



**OR GRADE**  
Surgical Instruments

## **Instrument Warranty**

Our instruments are made from top quality 300 and 400 series German steel and are guaranteed to be free from material defects. Our guarantee also includes our commitment to quality craftsmanship. All of our instruments are manufactured in accordance with this commitment. If any of our instruments does not meet this standard, you may return it for replacement or credit at our discretion and at no charge. Details are below.

## **Warranty Stipulations**

Our Warranty is effective from the date-of-purchase from Cen-Med. It is only valid if the instrument is used for its intended surgical purpose and if proper maintenance of the instrument is performed. As set forth in these Terms, Conditions, Policy and Warranty, Cen-Med makes no other representations, either expressed or implied, than the above declarations. Cen-Med's responsibility extends only to the usability of the instrument and does not cover any circumstances beyond that.

## **Returns and Credit Policy**

We offer a full credit for all unused merchandise, in its original packaging, and returned within 60 days from date of invoice. Merchandise returned after 60 days, but before 120 days from date of invoice, will be charged a 15% restocking charge. No returns will be accepted after 120 days from date of invoice.

Sterile products, which have been opened, returned out of the original package or returned after the sterile expiration date, are not returnable. Special Order products are not returnable. Broken instruments, also known as Sharps, require special handling. Please call our customer service department toll-free at 1-800-470-3570 for information about how to handle this return.

A Return Authorization number (RA) must be obtained prior to returning product to Cen-Med. Instruments returned without an RA number will not be accepted. For an RA number, please call our customer service toll-free at 1-800-470-3570. Issue of an RMA number does not guarantee a credit will be issued. Cen-Med reserves the right to evaluate incoming returns prior to issuing any customer credit. Please be prepared to provide the following information when you call:

- ✓ Customer Account Number
- ✓ Customer Purchase Order Number
- ✓ Reason for the return



**TAYLOR PERCUSSION HAMMER**  
S1449-0750 7" (178mm) Small  
S1449-0750 8" (203mm) Large



**BUCK NEUROLOGICAL HAMMER**  
S1449-1205 7¾" (195mm)  
Chrome with brush and needle



**WARTENBERG  
NEUROLOGICAL PIN WHEEL**  
S1449-3025 7" (178mm)



**SCALPEL HANDLE #3L**  
S1019-2713 8½" (216mm) Extra long  
for blades 10 through 15  
also available in 12", 14", 16" & 18"



**SCALPEL HANDLE #3**  
S1019-2703  
for blades 10 through 15



**SCALPEL HANDLE #3**  
S1019-2703S  
mm and cm graduations  
for blades 10 through 15



**SCALPEL HANDLE #4**  
S1019-2804  
for blades 20 through 25



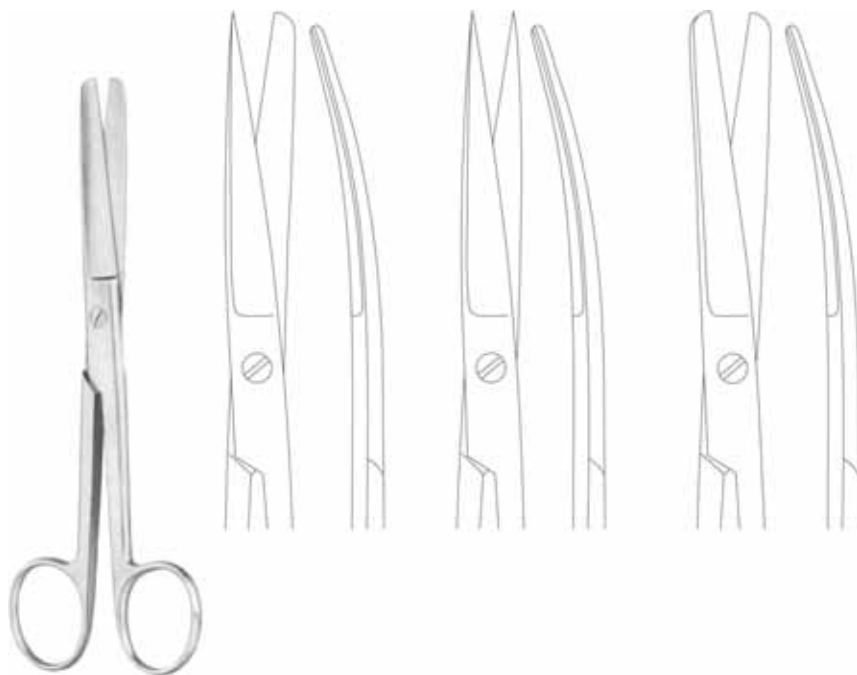
**SCALPEL HANDLE #7**  
S1019-2707  
for blades 10 through 15



**SCALPEL HANDLE #9**  
S1019-2709  
for blades 10 through 15  
extra fine



**MINI SCALPEL HANDLE #3K**  
S1019-2850  
for blades 61 through 67



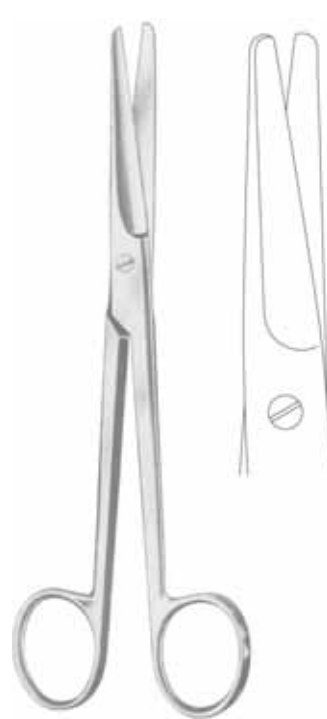
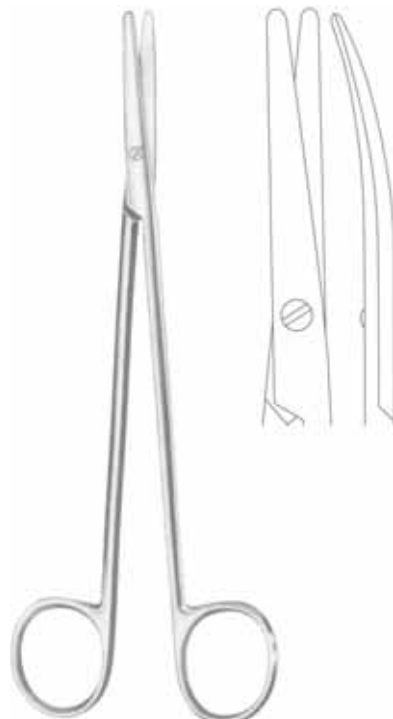
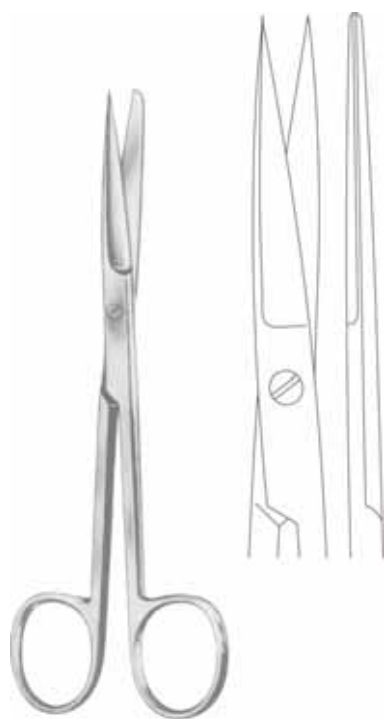
#### OPERATING SCISSOR *Straight*

S1039-0211	4½" (114mm)	blunt/blunt
S1039-0214	5¾" (145mm)	blunt/blunt
S1039-0215	6" (150mm)	blunt/blunt
S1039-0216	6½" (165mm)	blunt/blunt
S1039-0213	5⅛" (130mm)	blunt/blunt, slender pattern
S1039-0611	4½" (114mm)	sharp/blunt
S1039-0613	5⅛" (130mm)	sharp/blunt
S1039-0614	5¾" (145mm)	sharp/blunt
S1039-0615	6" (150mm)	sharp/blunt
S1039-0616	6½" (165mm)	sharp/blunt
S1039-0618	7¼" (185mm)	sharp/blunt
S1039-0411	4½" (114mm)	sharp/sharp
S1039-0413	5⅛" (130mm)	sharp/sharp
S1039-0414	5¾" (145mm)	sharp/sharp
S1039-0415	6" (150mm)	sharp/sharp

#### OPERATING SCISSOR *Curved*

S1039-0313	5⅛" (130mm)	blunt/blunt, slender pattern
S1039-0511	4½" (114mm)	sharp/sharp
S1039-0513	5⅛" (130mm)	sharp/sharp
S1039-0514	5¾" (145mm)	sharp/sharp
S1039-0515	6" (150mm)	sharp/sharp

#### OPERATING SCISSOR



#### DEAVER SCISSOR

<i>Straight</i>		
S1039-0814	5½" (140mm)	sharp/blunt
S1039-0864	5½" (140mm)	sharp/sharp
<i>Curved</i>		
S1039-0914	5½" (140mm)	sharp/blunt
S1039-0964	5½" (140mm)	sharp/sharp

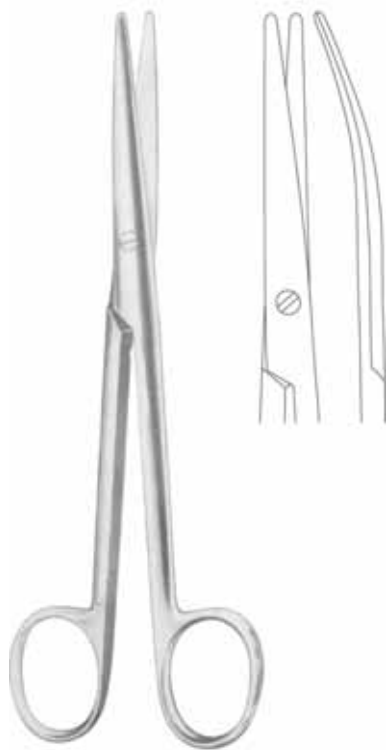
#### METZENBAUM SCISSOR *blunt points*

<i>Straight</i>		<i>Curved</i>	
S1049-3211	4½" (114mm)	S1049-3311	4½" (114mm)
S1049-3214	5¾" (146mm)	S1049-3314	5¾" (146mm)
S1049-3218	7" (178mm)	S1049-3318	7" (178mm)
S1049-3418	7" (178mm)	S1049-3518	7" (178mm)
S1049-3220	8" (203mm)	S1049-3320	8" (203mm)
S1049-3223	9" (229mm)	S1049-3323	9" (229mm)
S1049-3228	11" (279mm)	S1049-3328	11" (279mm)

#### MAYO SCISSOR *Beveled blades*

<i>Straight</i>		<i>Curved</i>	
S1039-5014	5½" (140mm)	S1039-5114	5½" (140mm)
S1039-5017	6¾" (171mm)	S1039-5117	6¾" (171mm)
S1039-5023	9" (229mm)	S1039-5123	9" (229mm)
S1039-5030	14" (355mm)	S1039-5130	14" (355mm)
S1039-5040	16" (405mm)	S1039-5140	16" (405mm)
S1039-5045	18" (455mm)	S1039-5145	18" (455mm)
<i>Serrated</i>		<i>Serrated</i>	
S1039-5017S	6¾" (171mm)	S1039-5117S	6¾" (171mm)



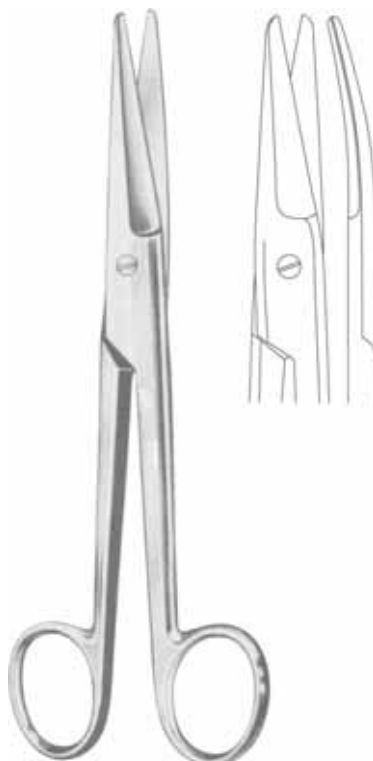


#### **MAYO-STILLE SCISSOR**

*Straight*

*Rounded Blades Curved*

S1039-5614 5½" S1039-5714 5½" (140mm)  
S1039-5617 6¾" S1039-5717 6¾" (171mm)

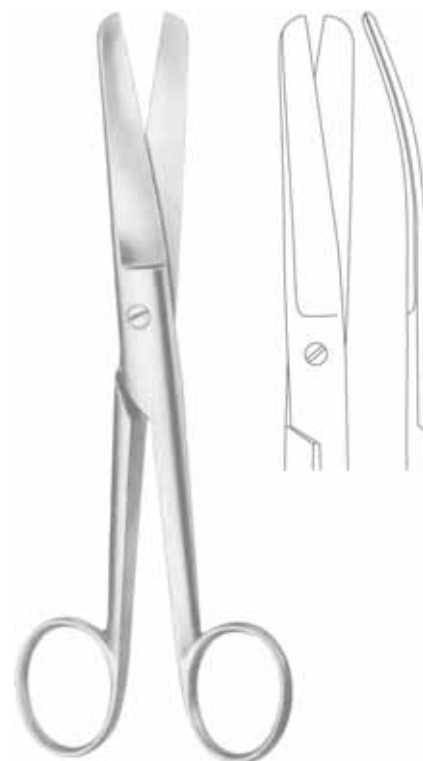


#### **MAYO-NOBLE SCISSOR**

*Straight*

*Beveled Blades*

S1039-5817 6½" (165mm)  
*Curved*  
S1039-5917 6½" (165mm)



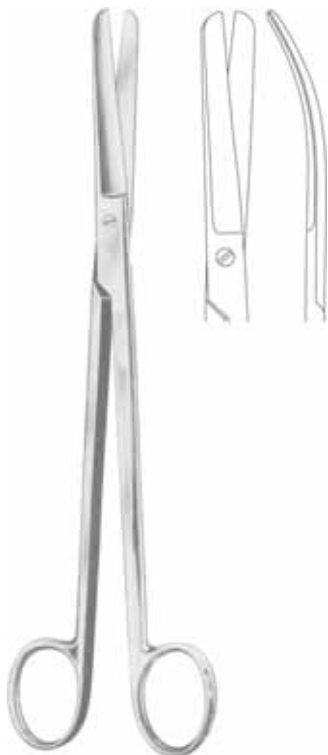
#### **DOYEN ABDOMINAL SCISSOR**

*Straight*

S1039-3818 7" (178mm)

*Curved*

S1039-3918 7" (178mm)

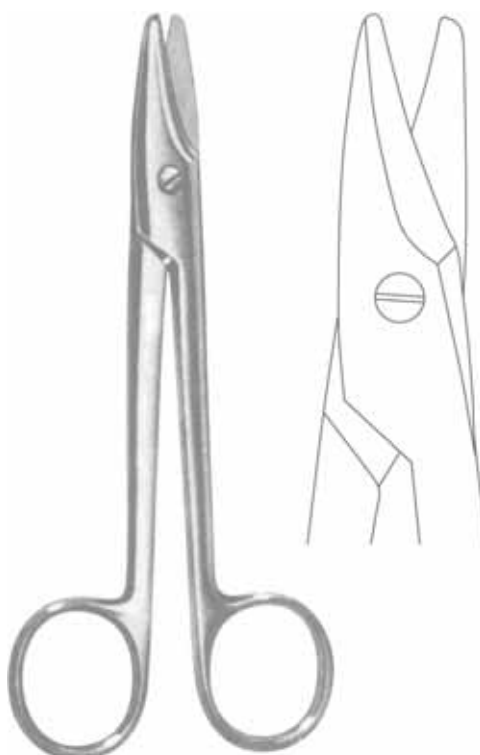


#### **SIMS SCISSOR 8" (203mm)**

*Straight*

*Curved*

S1039-3220 S1039-3320 sharp/sharp  
S1039-3420 S1039-3520 sharp/blunt  
S1039-3020 S1039-3120 blunt/blunt



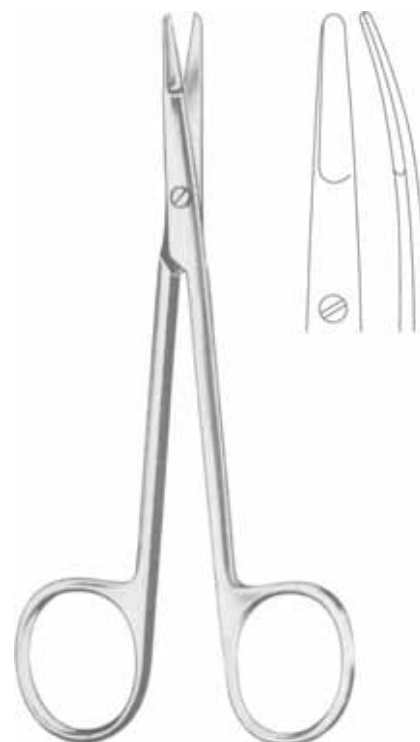
#### **SISTRUNK SCISSOR Heavy Pattern**

*Straight*

S1039-6614 5½" (140mm)

*Curved*

S1039-6714 5½" (140mm)

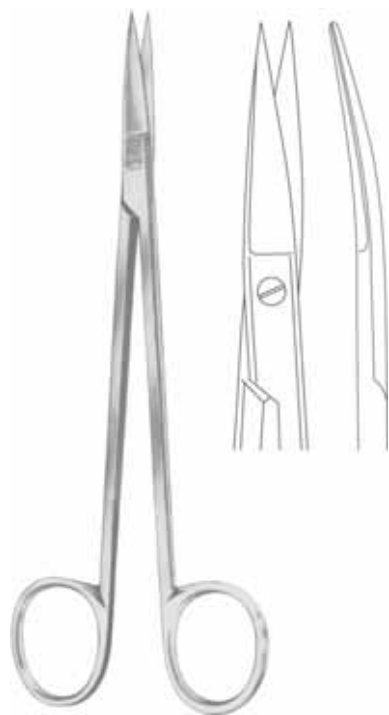


#### **RAGNELL SCISSOR**

*Curved*

S1049-1313 5" (127mm) flat blunt tips

S1049-1318 7" (178mm) flat blunt tips



#### KELLY FISTULA SCISSOR

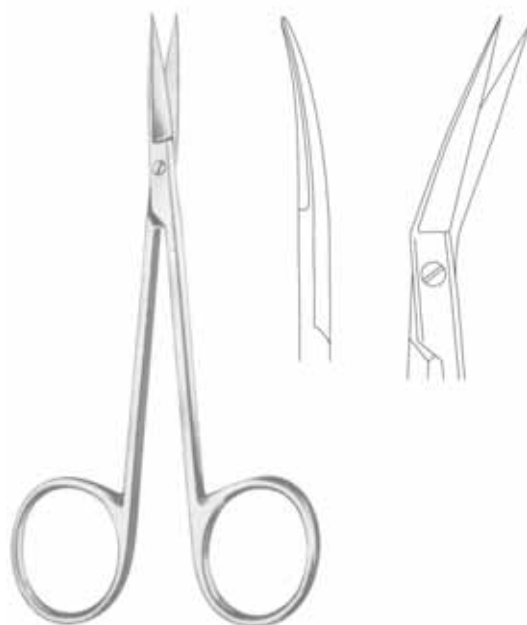
6¼" (159mm)

Smooth sharp/sharp

S1049-5416 straight

S1049-5516 curved

S1049-5417 angular



#### IRIS SCISSOR sharp points

*Straight*

S1029-2011 3½"

S1029-2009 4½"

S1029-2010(del.) 4⅞"

*Curved*

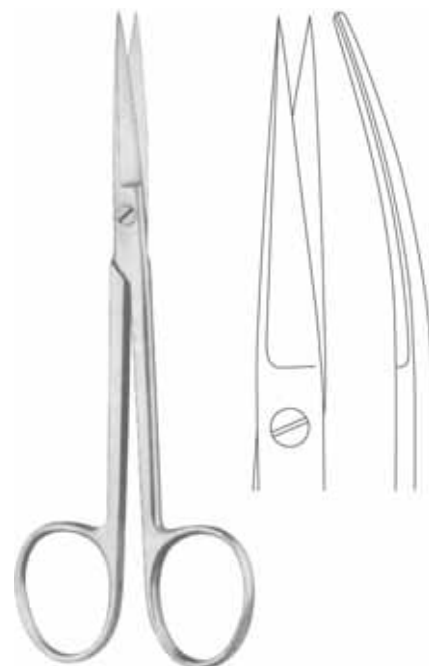
S1029-2109 3½" (89mm)

S1029-2111 4½" (114mm)

S1029-2110(del.) 4⅞" (105mm)

S1029-2191 4½" (114mm)

angled on side



#### PLASTIC SURGERY SCISSOR 4¾" (121mm)

*Straight*

S1029-0612

S1029-0632

S1029-0602

S1679-5618

*Curved*

S1029-0712

S1029-0732

S1029-0702

S1679-5718

sharp/sharp

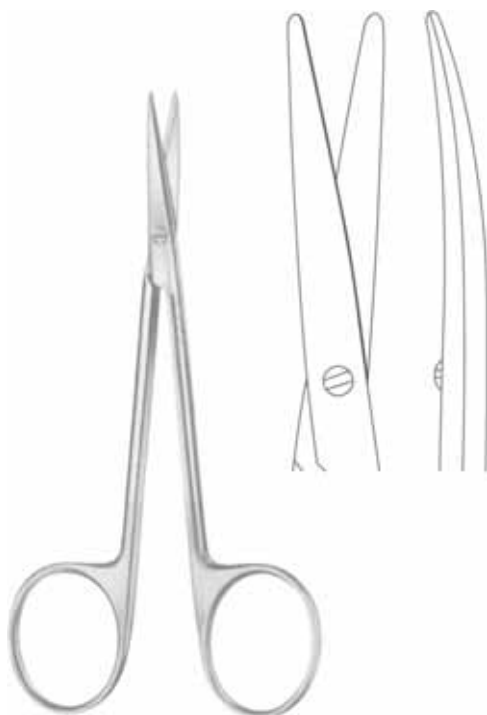
sharp/blunt

blunt/blunt

7½" (190mm)

S1029-0712 sharp/sharp

angled on side



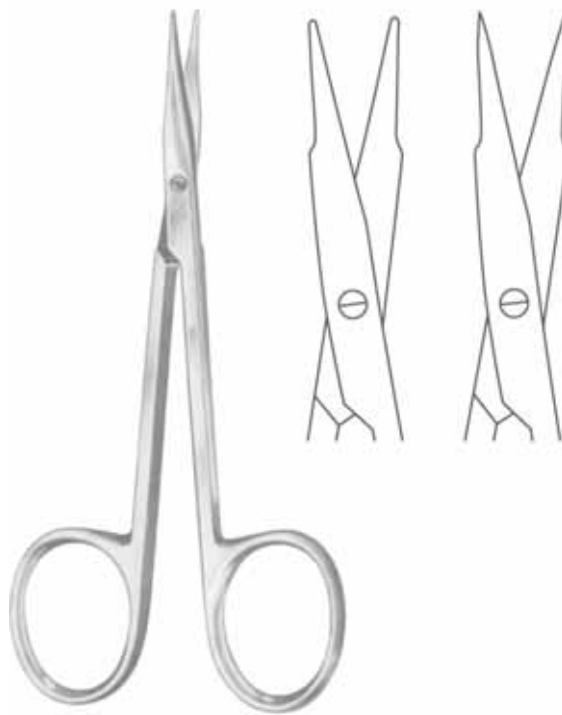
#### STRABISMUS SCISSOR

*Straight*

S1029-4011 4" (102mm) blunt points

*Curved*

S1029-4111 4" (102mm) blunt points



#### STEVENS TENOTOMY SCISSOR

*Straight*

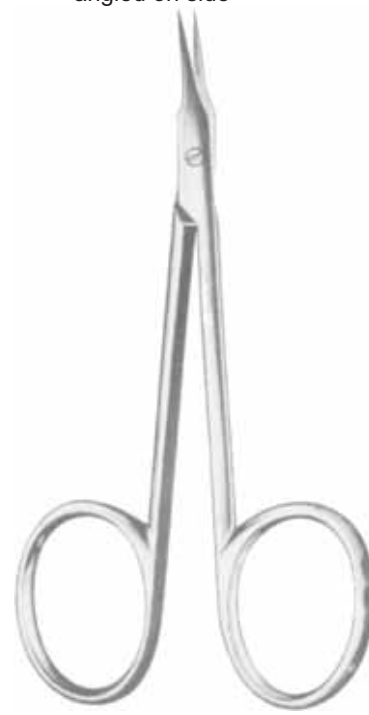
S1029-5002 4¼" (108mm) blunt/blunt

S1029-5012 4¼" (108mm) sharp/sharp

*Curved*

S1029-5003 4¼" (108mm) blunt/blunt

S1029-5013 4¼" (108mm) sharp/sharp



#### GRADLE SCISSOR

*slightly curved*

S1029-2053 3¾" (95mm) sharp/sharp



**RIBBON STITCH SCISSOR**  
S1609-1813 4"(102mm)  
slightly curved ribbon type  
sharp/sharp



**SHORTBENT STITCH SCISSOR**  
S1149-0710 3½"(89mm)  
curved on side  
Delicate



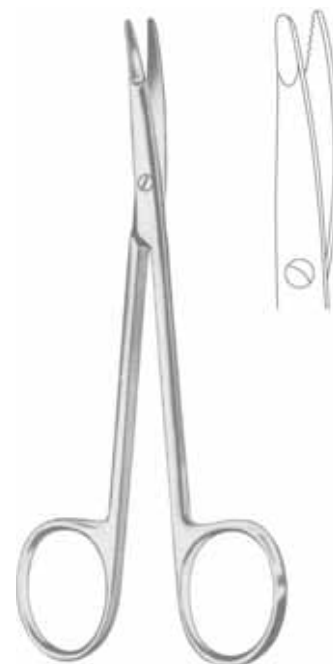
**SPENCER STITCH SCISSOR**  
S1149-0609 3½"(90mm) delicate  
S1149-0610 4⅛"(105mm) regular  
S1149-0612 4⅜"(120mm) slender



**NORTBENT STITCH SCISSOR**  
S1149-0712 4¾"(121mm)  
curved on side

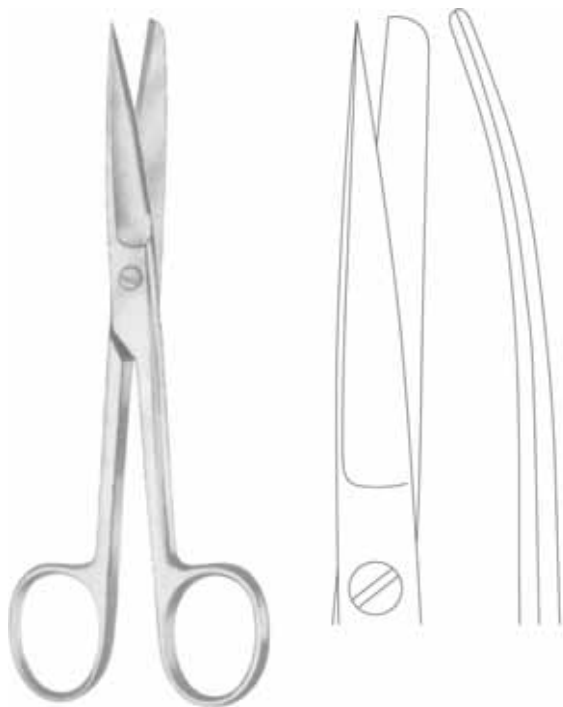


**TC IRIS SCISSOR**  
*Straight*  
S1329-706 4½"(114mm) Sharp points  
*Curved*  
S1329-705 4½"(114mm) Sharp points



**BLEPHAROPLASTY SCISSOR**  
S1329-2153 4½"(114mm)  
Curved flat tips, one serrated  
and one carbide blade





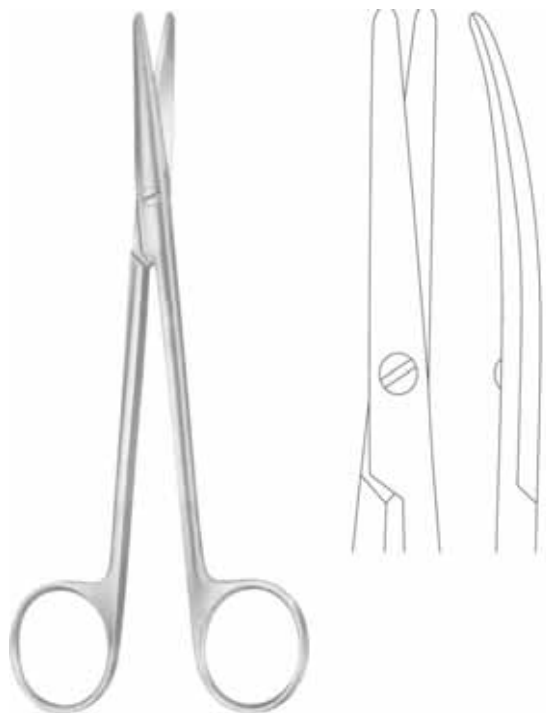
#### TC OPERATING SCISSOR

*Straight*

S1329-600 5½"(140mm) sharp/blunt

*Curved*

S1329-610 5½"(140mm) sharp/blunt



#### TC METZENBAUM SCISSOR *blunt points*

*Straight*

S1329-720 6"

S1329-760 7"

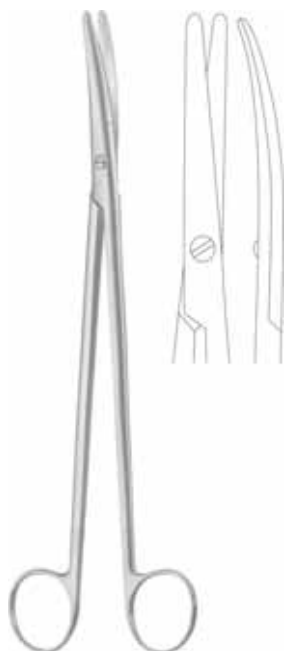
S1329-795 9"

*Curved*

S1329-710 6"(152mm)

S1329-750 7"(178mm)

S1392-790 9"(229mm)



#### TC NELSON METZENBAUM SCISSOR

*Curved*

S1329-880 11" (280mm)

S1329-882 12" (305mm)

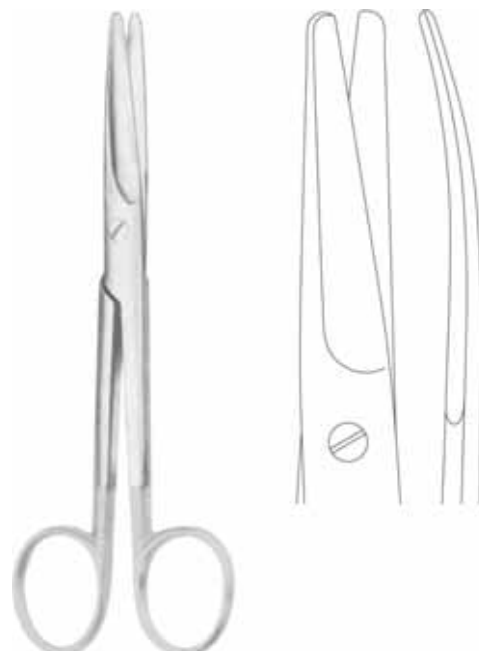
S1329-799 14" (350mm)

S1329-881 11" (280mm)

S1329-899 16" (405mm)

S1329-999 18" (455mm)

*Delicate*



#### TTC MAYO SCISSOR *beveled blades*

*Straight*

S1329-810 5½"

S1329-830 6¾"

S1329-870 9"

*Curved*

S1329-800 5½" (140mm)

S1329-820 6¾" (171mm)

S1329-860 9" (229mm)



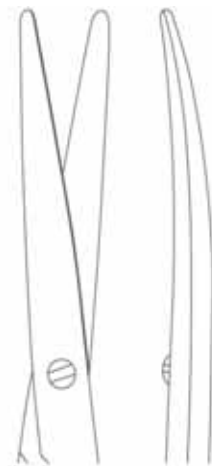
#### **TC STRABISMUS SCISSOR**

*Straight*

132-701 4½"(114mm) blunt points

*Curved*

132-700 4½"(114mm) blunt points



#### **TC MAYO SCISSOR** *rounded blades*

*Straight*

132-811 5½"

*Curved*

132-801 5½"

(140mm)

132-831 6¾"

132-821 6¾"

(170mm)



#### **CWI SUPER-CUT SCISSORS**

Super-cut Scissors represent a truly remarkable advance in scissors technology. Using the best surgical steels, the latest heat treating methods and master craftsmanship, the upper blade of the scissors is ground to a razor-sharp edge. This process creates scissors with an unprecedented smooth and effective cutting action.

##### **Some of the benefits of CWI Super-Cut Scissors:**

- ☐ Cut through soft and fibrous tissue without effort.
- ☐ Superb control permits precision.
- ☐ Less hand fatigue for the surgeon and less trauma for the patient .
- ☐ Retain sharpness longer than ordinary scissors.
- ☐ Ring handles are black-coated for easy identification.
- ☐ Fully autoclavable.
- ☐ Backed by lifetime guarantee.
- ☐ Not recommended for Fiberglass or plaster splints.



**SUPER-CUT IRIS SCISSORS** *sharp points*

*Straight*

S12029-2009 3½" (89mm) del

S12029-2010 4½" (114mm)

*Curved*

S12029-2109 3½" (89mm) delicate

S12029-2011 4½" (114mm)



**SUPER-CUT STEVENS SCISSORS** *blunt points*

*Straight*

S12029-5012 4½" (114mm)

*Curved*

S12029-5013 4½" (114mm)

S12029-5111 5¼" (133mm)



**SUPER CUT BABY**

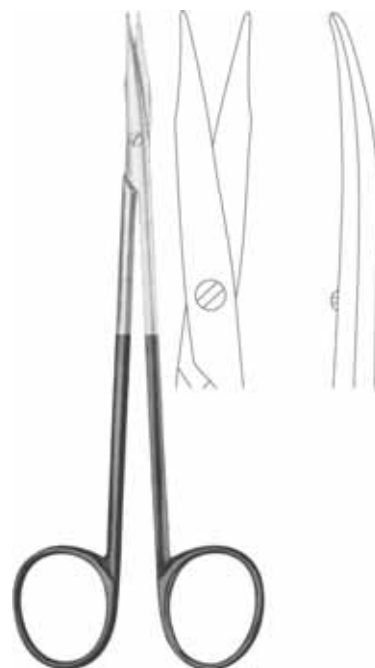
**METZENBAUM SCISSOR** *blunt point*

*Straight*

S12049-3211 4½" (114mm)

*Curved*

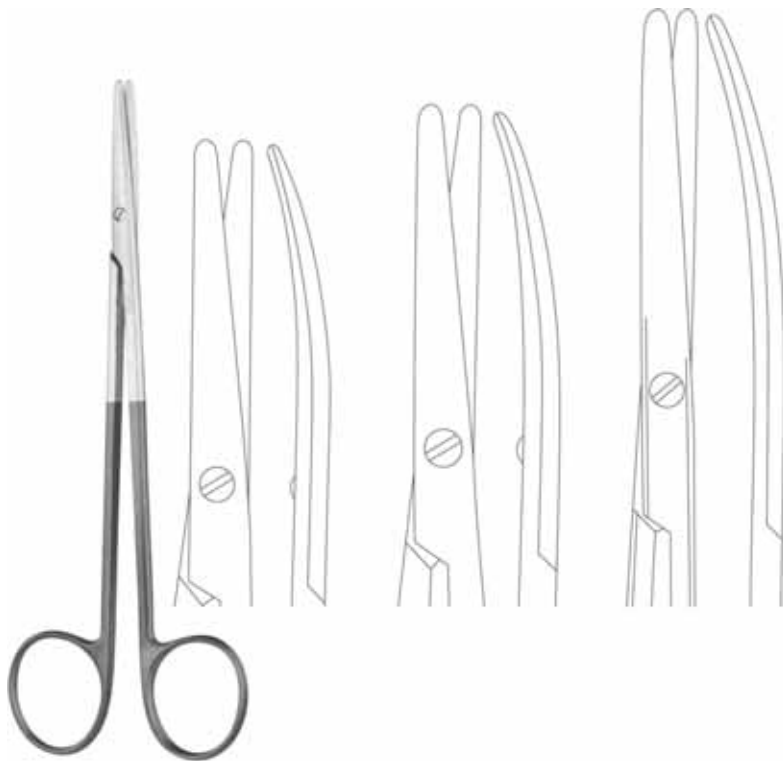
S12049-3311 4½" (114mm)



**SUPER CUT JAMESON SCISSOR**

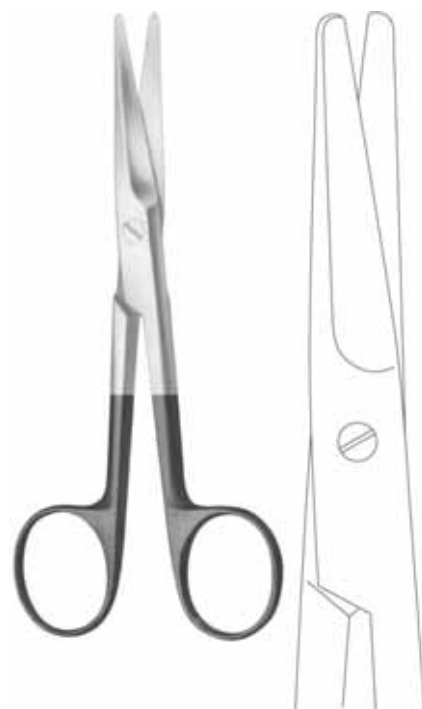
S12049-6716 6¼" (159mm)

Curved blunt points, very delicate



**SUPER CUT METZENBAUM SCISSOR** *blunt points*

<i>Straight</i>		<i>Curved</i>	
S12049-3214	5.75"	S12049-3314	6" (152mm)
S12049-3218	7" (178mm)	S12049-3318	7" (178mm)
		S12049-3518	7" (178mm) delicate
		S12049-3320	8" (203mm)
		S12049-3323	9" (229mm)
		S12049-3330	11" (279mm)



**SUPER CUT MAYO SCISSOR**

*beveled blades, blunt points*

<i>Straight</i>	
S12039-5014	5½" (140mm)
S12039-5023	6¾" (171mm)
S12039-5017	9" (229mm)
<i>Curved</i>	
S12039-5114	5½" (140mm)
S12039-5123	6¾" (171mm)
S12039-5117	9" (229mm)
S12039-5128	11" (279mm)



**SUPER CUT HI-LEVEL KNOWLES BANDAGE SCISSOR**

*Shanks angled on side*  
S12409-2084 5½" (140mm)

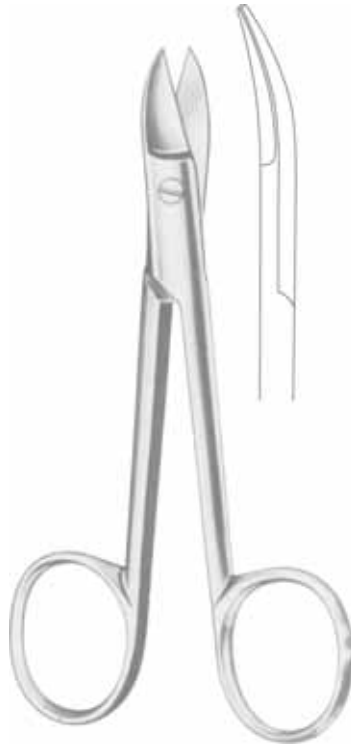


**SUPER CUT OPERATING SCISSOR**

<i>Straight</i>	
S12039-0614	5½" (140mm) Sharp/blunt
<i>Curved</i>	
S12039-0714	5½" (140mm) Sharp/blunt



**LITTAUER STITCH SCISSOR**  
S1149-0613 5½" (140mm)



**WIRE CUTTING SCISSOR 4" (102mm)**  
*Straight Curved*  
S1149-2610 4-2710 smooth  
S1149-2410 4-2510 one serrated blade



**WIRE CUTTING SCISSOR 4¾" (121mm)**  
S1149-2312 one serrated blade  
S1329-900 one serrated blade  
Angular Angular carbide



**UTILITY SCISSOR** one serrated blade  
S1409-4718 black 7⅛" (180mm)  
S1409-4719 red 7⅛" (180mm)  
S1409-4720 blue 7⅛" (180mm)  
S1409-4721 green 7⅛" (180mm)  
S1409-4722 orange 7½" (140mm)  
S1409-4723 yellow 7⅛" (180mm)  
S1409-4724 burgundy 7⅛" (180mm)  
S1409-4725 pink 7⅛" (180mm)  
S1409-4726 purple 7⅛" (180mm)  
S1409-4727 neon-green 7⅛" (180mm)  
S1409-4728 white 7⅛" (180mm)  
S1409-4729 white 5½" (140mm)  
S1409-4714 black 5½" (140mm)



**KNOWLES BANDAGE SCISSOR**  
*Angled*  
S1409-2084 smooth blades str 5 1/2"



**KNOWLES BANDAGE SCISSOR**  
*Straight*  
S1409-2014 smooth blades str 5 1/2"





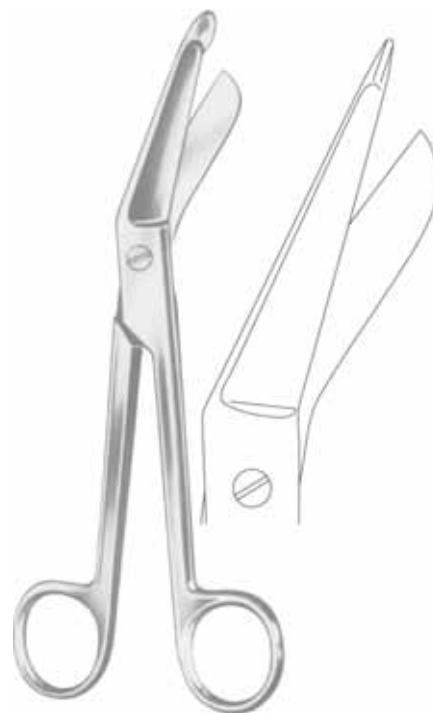
#### **LISTER BANDAGE SCISSOR**

*With large finger ring*  
S1409-2620 8" (200mm)



#### **HERCULES SCISSOR** *Heavy duty*

S1409-3119 7½" (191mm)  
one serrated blade



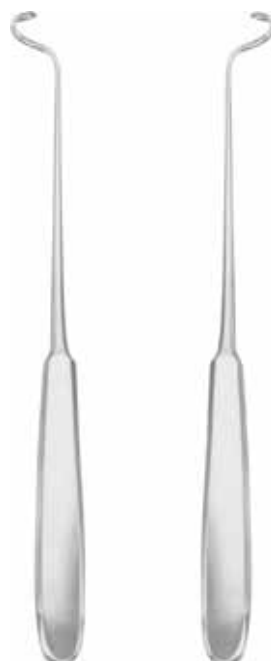
#### **LISTER BANDAGE SCISSOR**

S1409-2509 3½" (89mm)  
S1409-2514 4½" (114mm)  
S1409-2514 5½" (140mm)  
S1409-2518 7⅞" (180mm)  
S1409-2520 8" (200mm)



#### **CASTROVIEJO MICRO TYING FORCEPS**

4" (102mm)  
*Straight*  
*With tying platform, 1x2 teeth*  
S1609-1638 0.12mm  
S1609-1635 0.5mm



#### **DESCHAMPS LIGATURE CARRIER** 8" (203mm)

S1139-1252 sharp right  
S1139-1253 sharp left  
S1139-1254 blunt right  
S1139-1255 blunt left



#### PROBE WITH EYE

*Malleable stainless*

S1099-1113	5" (127mm)
S1099-1114	5½" (140mm)
S1099-1115	6" (152mm)
S1099-1120	8" (203mm)



#### GROOVED DIRECTORS

*Stainless Steel*

*With tongue tie*

S1099-1512	4½" (114mm)
S1099-1513	5" (127mm)
S1099-1514	5½" (140mm)
S1099-1516	6" (152mm)

*with probe and tongue tie*

S1099-1613	5" (127mm)
S1099-1614	5½" (140mm)
S1099-1613	6" (152mm)



#### BARON SUCTION TUBE 5½" (140mm)

*Stainless Steel*

S1629-2220	3 french
S1629-2215	5 french
S1629-2210	7 french

1 french = .33mm



#### FRAZIER SUCTION TUBE 7" (178mm)

*Stainless Steel*

S1099-8304	4 french
S1099-8305	5 french
S1099-8306	6 french
S1099-8307	7 french
S1099-8308	8 french
S1099-8309	9 french
S1099-8310	10 french
S1099-8311	11 french
S1099-8312	12 french

1 french = .33mm

#### YANKAUER SUCTION TUBE

*Stainless Steel*

S1099-8500	10¼" (260mm)
S1099-8599	12" (310mm)
S1099-8600	14" (340mm)
S1099-8640	16" (405mm)
S1099-8645	18" (455mm)
S1099-8512	Tip only





#### POOLE SUCTION TUBE

*Stainless steel*

*Curved*

S1099-8823 23 french, 8<sup>3</sup>/<sub>4</sub>" (220mm)

*Straight*

S1099-8730 30 french, 8<sup>3</sup>/<sub>4</sub>" (220mm)

S1099-8730 30 french, 12" (305mm)

S1099-8735 30 french, 14" (330mm)

1 french = .33mm



#### YANKAUER SUCTION TUBE

*Stainless steel*

*small pattern, narrow handle*

S1099-8504 8<sup>3</sup>/<sub>4</sub>" (210mm)



#### ANDREWS-PYNCHON

**SUCTION TUBE 9" (230mm)**

*Stainless steel*

S1099-8508 with removable tip

S1099-8509 with removable shaft



#### ADSON SUCTION TUBE

*Stainless steel*

*Curved*

*With finger cut-off*

S1099-8110 10 french

S1099-8112 12 french

S1099-8114 14 french

1 french = .33mm



#### HARTMANN MOSQUITO FORCEPS

*Straight*

S1159-3209 3<sup>1</sup>/<sub>2</sub>" (89mm)

*Curved*

S1159-3309 3<sup>1</sup>/<sub>2</sub>" (89mm)



#### **HALSTED MOSQUITO FORCEPS 5"(127mm)**

*Straight*

S1159-4412

S1159-4612 1x2 teeth

*Curved*

S1159-4512

S1159-4712 1x2 teeth



#### **MICRO MOSQUITO FORCEPS**

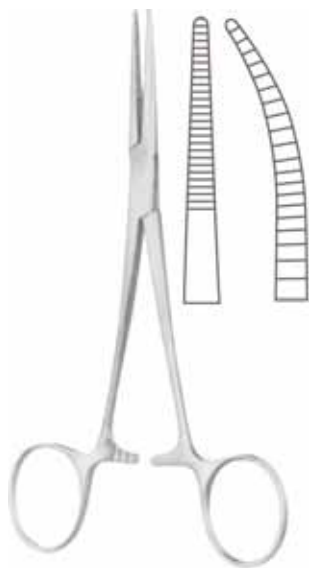
*Extremely fine tip*

*Straight*

S115-4082 5" (127mm)

*Curved*

S1159-4182 5" (127mm)



#### **KELLY ARTERY FORCEPS**

*Straight*

S1159-7014 5½" (140mm)

S1159-7016 6¼" (160mm)

*Curved*

S1159-7114 5½" (140mm)

S1159-7116 6¼" (160mm)



#### **CRILE FORCEPS**

*Straight*

S1159-7214 5½"

S1159-7216 6¼"

*extra delicate*

S1159-2414 5½"

S1159-7286 6¼"

*Curved*

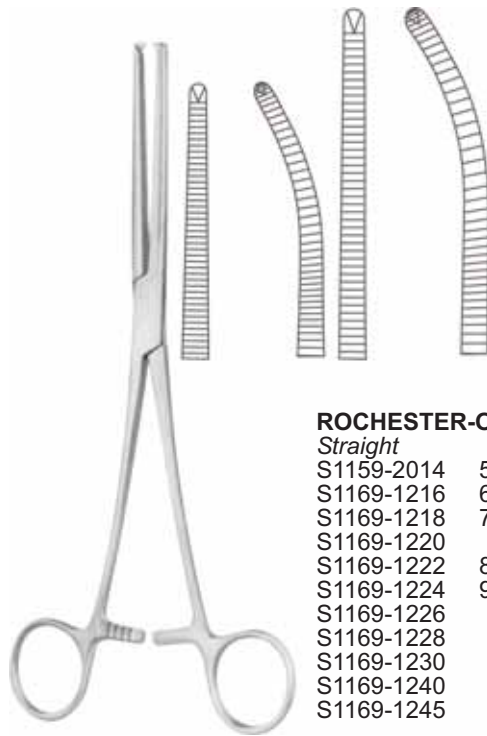
S1159-7314 5½"(140mm)

S1159-7316 6¼"(159mm)

*extra delicate*

S1159-2514 5½"(140mm)

S1159-7386 6¼"(159mm)



#### ROCHESTER-OGHSNER FORCEPS 1x2 teeth

##### *Straight*

S1159-2014	5½" Del.
S1169-1216	6¼"
S1169-1218	7¼"
S1169-1220	8"
S1169-1222	8¾"
S1169-1224	9½"
S1169-1226	10"
S1169-1228	12" (300mm)
S1169-1230	14" (355mm)
S1169-1240	16"
S1169-1245	18"

##### *Curved*

S1169-1314	5½" (140mm) Del.
S1169-1316	6¼" (160mm)
S1169-1318	7¼" (185mm)
S1169-1320	8" (200mm)
S1169-1322	8¾" (220mm)
S1169-1324	9½" (240mm)
S1169-1326	10" (250mm)
S1169-1340	16" (405mm)
S1169-1345	18" (455mm)



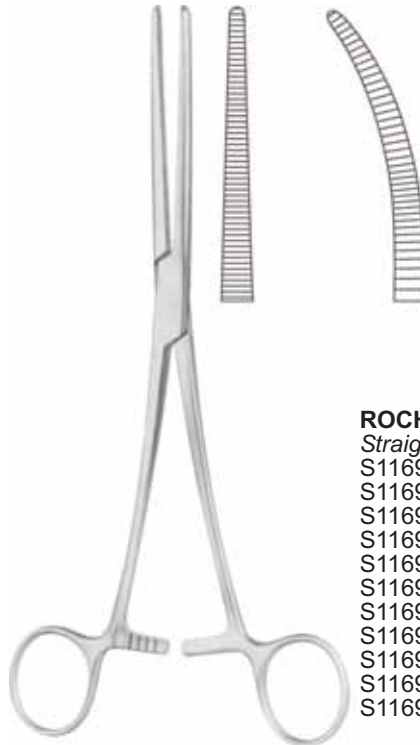
#### PROVIDENCE HOSPITAL FORCEPS

##### *Straight*

S1159-5014 5½" (140mm)

##### *Curved*

S1159-5715 5½" (140mm)



#### ROCHESTER PEAN FORCEPS

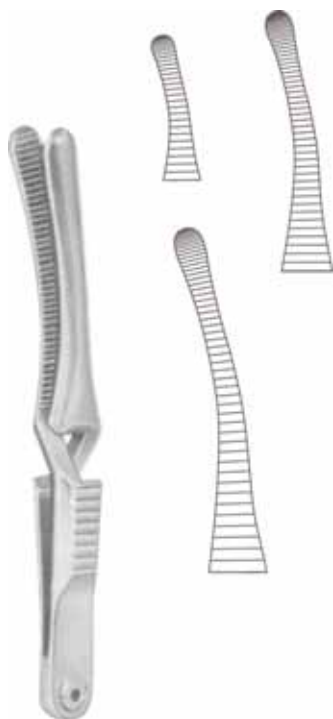
##### *Straight*

S1169-1014	5½"
S1169-1016	6¼"
S1169-1018	7¼"
S1169-1020	8"
S1169-1022	8¾"
S1169-1024	9½"
S1169-1026	10¼"
S1169-1030	12"
S1169-1030	14"
S1169-1040	16"
S1169-1045	18"

##### *Curved*

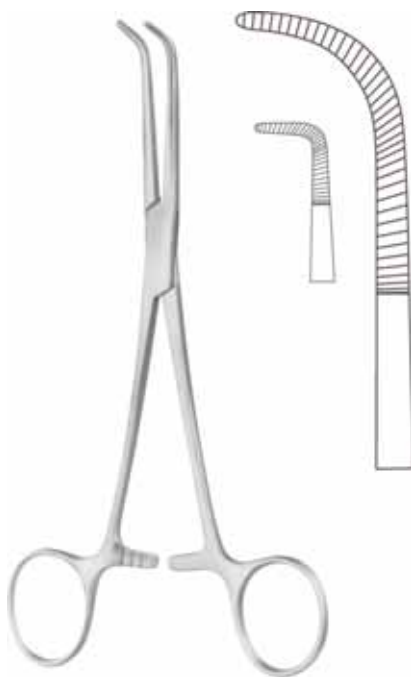
S1169-1114	5½" (140mm)
S1169-1116	6¼" (160mm)
S1169-1118	7¼" (185mm)
S1169-1120	8" (200mm)
S1169-1122	8¾" (220mm)
S1169-1124	9½" (240mm)
S1196-1126	10¼" (260mm)
S1169-1128	12" (305mm)
S116-1130	14" (355mm)
S1169-1140	16" (405mm)
S1169-1145	18" (455mm)





#### JOHNS HOPKINS BULLDOG CLAMP

<i>Straight</i>		<i>Curved</i>	
S1559-4024	1½"	S1559-4031	1½" (38mm)
S1559-4025	2"	S1559-4032	2" (51mm)
S1559-4027	2½"	S1559-4034	2½" (64mm)
S1559-4029	3"	S1559-4036	3" (76mm)
S1559-4030	3½"	S1559-4037	3½" (89mm)



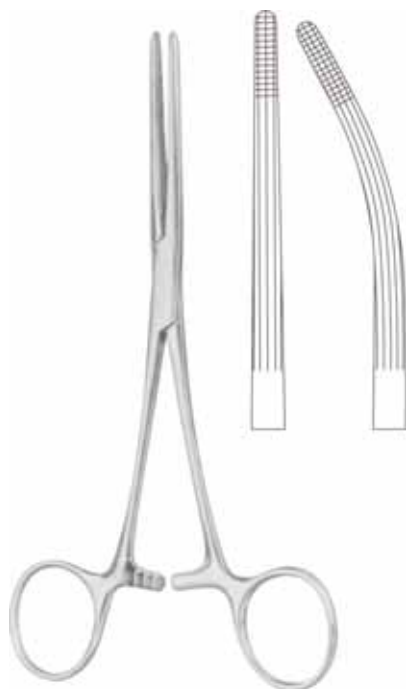
#### MIXTER FORCEPS *fully curved*

S1549-7275	5¼" (133mm)	Delicate
S1549-5000	6¼" (159mm)	
S1549-7277	7¼" (184mm)	
S1179-0723	9" (229mm)	
S1549-7259	11" (320mm)	
S1179-0830	14" (350mm)	
S1179-0840	16" (405mm)	
S1179-0845	18" (455mm)	



#### ADSON HEMOSTATIC FORCEPS

<i>Straight</i>	
S1169-4019	7¼" (184mm)
S1169-4018	7⅞" (180mm) Delicate pattern
<i>Curved</i>	
S1169-4119	7¼" (184mm)
S1169-4118	7⅞" (180mm) Delicate pattern



#### ROCHESTER-CARMALT FORCEPS

<i>Straight</i>		<i>Curved</i>	
S1169-3616	6¼"	S1169-3720	6¼" (159mm)
S1169-3620	8"	S1169-3716	8" (203mm)



#### FERGUSON ANGIOTRIBE FORCEPS

<i>Straight</i>		<i>Curved</i>	
S1169-3816	6½"	S1169-3916	6½" (165mm)
S1169-3819	7½"	S1169-3919	7½" (191mm)



#### SCHNIDT FORCEPS

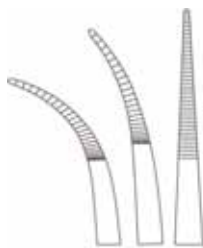
<i>Half curved</i>	
S1179-2150	7½"
<i>Full curved</i>	
S1179-2155	7½" (191mm)



#### **BUIE PILE CLAMP**

*Curved*

S1169-3921 8¼" (210mm)



#### **JACOBSON MICRO FORCEPS**

S1169-4088 7⅞" (180mm) straight

S1169-4188 7⅞" (180mm) slightly curved

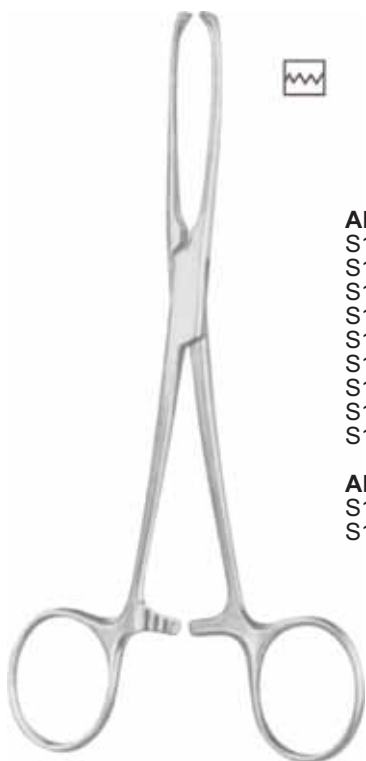
S1169-4189 7⅞" (180mm) fully curved



#### **ALLIS-JUDD TISSUE FORCEPS**

S1599-0665 6" (152mm) 3x4 teeth

S1599-0670 8" (200mm) 3x4 teeth



#### **ALLIS TISSUE FORCEPS**

S1509-0215 6" (150mm) 4x5 teeth

S1509-0216 6" (150mm) 5x6 teeth

S1509-0219 7½" (190mm) 5x6 teeth

S1509-0223 9" (230mm) 5x6 teeth

S1509-0224 10" (250mm) 5x6 teeth

S1509-0226 12" (305mm) 5x6 teeth

S1509-0228 14" (355mm) 5x6 teeth

S1509-0240 16" (405mm) 5x6 teeth

S1509-0245 18" (455mm) 5x6 teeth

#### **ALLIS-BABY TISSUE FORCEPS**

S1509-0213 5" (130mm) 4x5 teeth

S1509-0214 5½" (140mm) 5x6 teeth



#### **THOMS-ALLIS**

S1509-0520 8" (200mm) 6x7 teeth



### **BABCOCK TISSUE FORCEPS**

*Standard pattern*

S1509-1016	6¼" (160mm)
S1509-1020	8" (200mm)
S1509-1023	9" (230mm)
S1509-1024	12" (305mm)
S1509-1026	14" (355mm)
S1509-1040	16" (405mm)
S1509-1045	18" (455mm)

### **BABCOCK BABY TISSUE FORCEPS**

*Extra delicate jaws*

S1509-1015	6¼" (160mm)
S1509-1014	5¼" (130mm)
<i>with tungsten carbide jaws</i>	
S1329-580	6" (150mm)
S1329-585	8" (200mm)



### **LAHEY VULSELLUM FORCEPS**

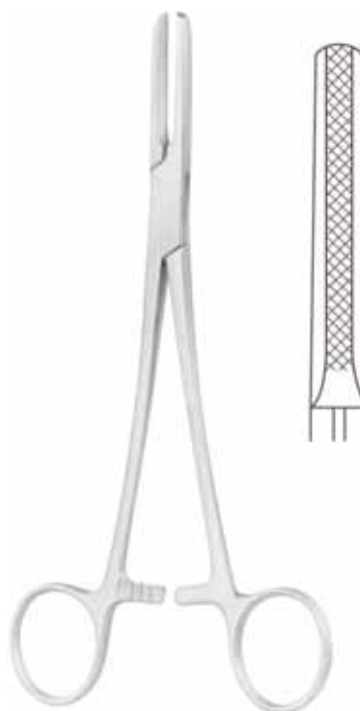
S1739-7233 6¼" (159mm) 3x3 prongs



### **PRESBYTERIAN TUBE OCCLUDING FORCEPS**

*Smooth jaws*

S1179-7216	6¼" (160mm)
S1179-7218	7" (180mm)
S1179-7220	8" (200mm)



### **VORSE TUBE OCCLUDING FORCEPS**

*Serrated*

S1179-7283	5½" (140mm)
S1179-7284	7¼" (184mm)
S1179-7285	8" (203mm)



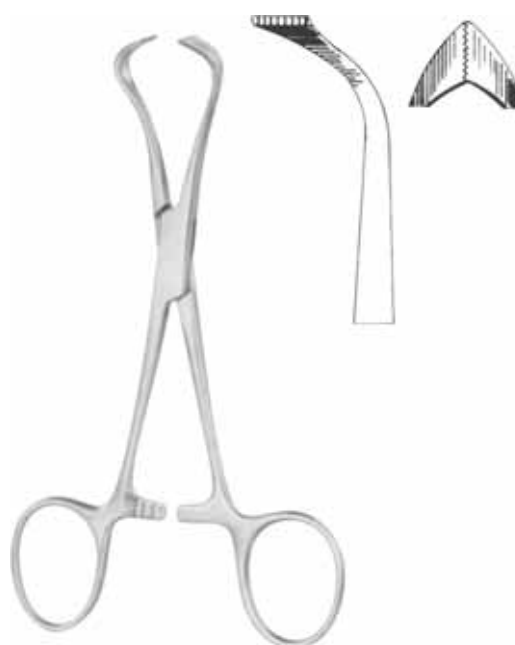
**JONES TOWEL FORCEPS**  
S1179-5008 3¼" (83mm)



**BACKHAUS TOWEL FORCEPS**  
S1179-5508 3½" (89mm)  
S1179-5510 4½" (115mm)  
S1179-5513 5¼" (133mm)



**BACKHAUS-ROEDER TOWEL CLAMP**  
S1179-5513 5¼" (133mm) with ball stops



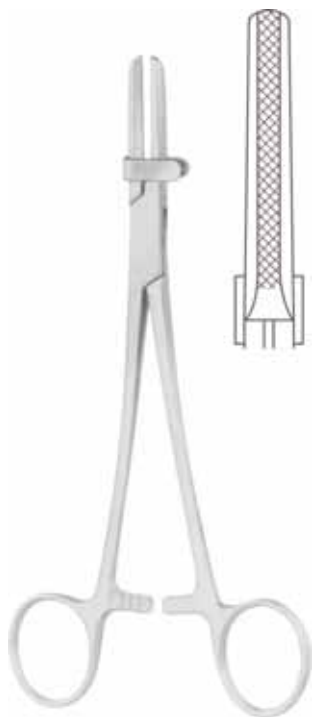
**LORNA (EDNA) TOWEL CLAMP**  
*Non-perforating*  
S1179-5709 4" (102mm)  
S1179-5714 5¼" (133mm)



**PEERS TOWEL CLAMP**  
*Non-perforating*  
S1179-5800 5¾" (146mm)



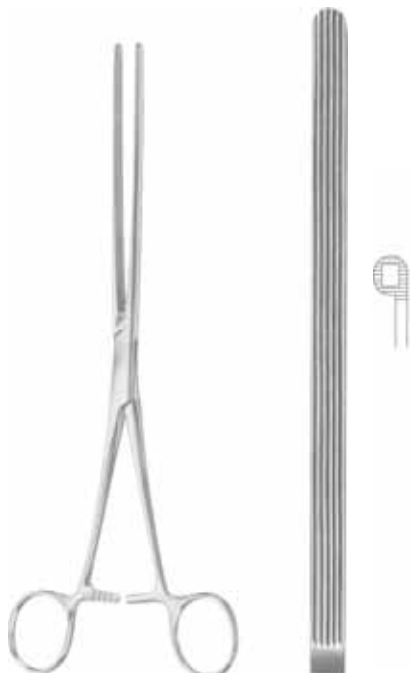
**FOERSTER SPONGE FORCEPS**  
*Straight*  
*Serrated Jaws*  
S1199-5018 7" (175mm)  
S1199-5024 9½" (240mm)  
S1199-5030 12" (300mm)  
S1199-5030 14" (350mm)  
S1199-5040 16" (405mm)  
S1199-5045 18" (455mm)  
*Smooth Jaws*  
S1199-5224 9½" (240mm)  
*Curved*  
*Serrated Jaws*  
S1199-5118 7" (175mm)  
S1199-5124 9½" (240mm)  
*Smooth jaws*  
S1199-5324 9½" (240mm)



#### **VORSE TUBE OCCLUDING FORCEPS**

*Serrated with guard*

S1179-7280 5½" (140mm)  
S1179-7281 7¼" (184mm)  
S1179-7282 8" (203mm)



#### **DOYEN CLAMP** *longitudinal serrations*

S1509-1623 9" (229mm) Straight  
S1509-1723 9" (229mm) Curved



#### **MAGILL ENDOTRACHEAL CATHETER INTRODUCING FORCEPS**

S1459-7502 7" (178mm) child  
S1459-7503 9" (229mm) adult



#### **HALSEY NEEDLE HOLDER**

S110-1013 5" (127mm) smooth  
S1329-415 5" (127mm) smooth carbide  
S1109-1114 5¼" (133mm) serrated  
S1329-410 5" (127mm) serrated carbide



#### **HEGAR BAUMGARTNER**

S1109-1414 5" (127mm) serrated  
S1109-1414 5¾" (146mm) serrated  
S1329-110 5" (127mm) serrated carbide



#### **DERF NEEDLE HOLDER**

S1109-1212 5" (125mm) horizontal serrations  
S1329-400 4¾" (120mm) carbide cross serrations  
S1329-400L left handed





#### WEBSTER NEEDLE HOLDER

*smooth*

S1109-1014 5" (127mm)  
S1109-1012 4¾" (120mm)  
S1329-405 5" (127mm) carbide



#### COLLIER NEEDLE HOLDER

*Serrated*

S1109-0413 5" (127mm) fenestrated jaws



#### NIEVERT NEEDLE HOLDER

*Smooth, one offset finger ring*

S1109-0812 5" (127mm)  
S1329-420 5" (127mm) carbide



#### MAYO HEGAR

*serrated*

S1109-1814	5¼" (133mm)	S1329-1113	5" (127mm)
S1109-1827	10½" (267mm)	S1329-120	6" (150mm)
S1109-1815	6" (150mm)	S1329-130	7" (175mm)
S1109-1818	7" (175mm)	S1329-140	8" (200mm)
S1109-1820	8" (200mm)	S1329-145	9" (230mm)
S1109-1823	9" (230mm)	S1329-240	10¾" (270mm)
S1109-1835	14" (350mm)	S1329-300	12" (310mm)
S1109-1840	16" (405mm)	S1329-301	14" (350mm)
S1109-1845	18" (455mm)		

*Jaws have Tungsten carbide inserts*

S1329-1113 5" (127mm)  
S1329-120 6" (150mm)  
S1329-130 7" (175mm)  
S1329-140 8" (200mm)  
S1329-145 9" (230mm)  
S1329-240 10¾" (270mm)  
S1329-300 12" (310mm)  
S1329-301 14" (350mm)

*Left handed*

S1329-120L 6" (150mm)  
S1329-130L 7" (175mm)  
S1329-140L 8" (200mm)



#### CRILE-WOOD DEBAKEY

*serrated*

S1109-2015 6" (152mm)  
S1109-2018 7" (178mm)  
S1109-2020 8" (203mm)  
S1109-2023 9" (229mm)

*Jaws with Tungsten carbide inserts*

*Serrated jaws, Straight*

S1329-430 6" (152mm)  
S1329-320 7" (178mm)  
S1329-325 8" (200mm)  
S1329-350 9" (230mm)  
S1329-365 10" (250mm)  
S1329-310 12" (300mm)  
S1329-311 14" (350mm)



#### BROWN

*fine serrations*

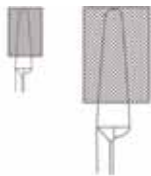
S1109-1513 5¼" (133mm) convex jaws  
S1109-1518 7¼" (184mm) convex jaws

*Smooth jaws, Straight*

S1329-435 6" (152mm)

*Serrated jaws, Curved*

S1329-330 7" (178mm)  
S1329-360 9" (230mm)



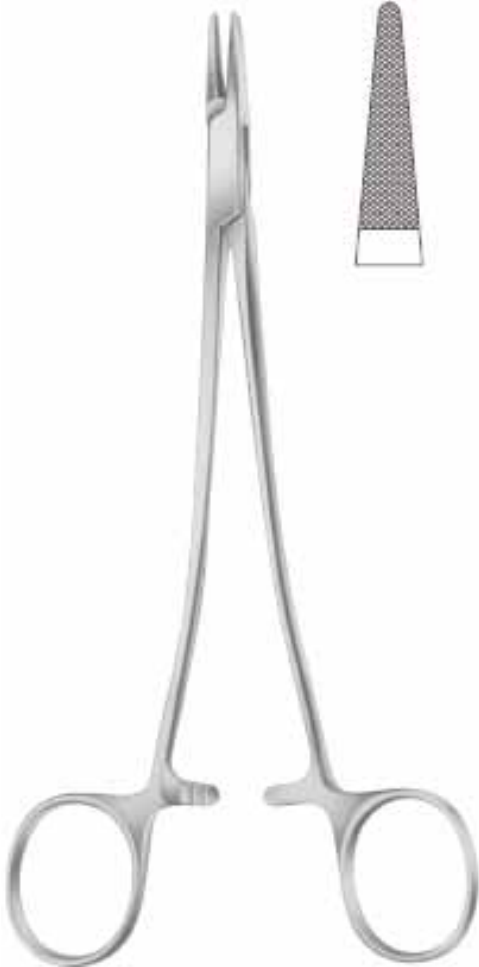
#### OLSEN-HEGAR

S1109-6012	4 <sup>3</sup> / <sub>4</sub> " (121mm)	delicate serrated
S1109-6013	4 <sup>3</sup> / <sub>4</sub> " (121mm)	delicate smooth
S1109-6014	5 <sup>1</sup> / <sub>2</sub> " (140mm)	serrated
S1109-6017	6 <sup>1</sup> / <sub>2</sub> " (165mm)	serrated
S1109-6019	7 <sup>1</sup> / <sub>2</sub> " (191mm)	serrated
<i>With Tungsten carbide inserts</i>		
S1329-159S	4 <sup>3</sup> / <sub>4</sub> " (121mm)	delicate smooth
S1329-159	4 <sup>1</sup> / <sub>2</sub> " (110mm)	
S1329-160	5 <sup>1</sup> / <sub>2</sub> " (140mm)	
S1329-170	6 <sup>1</sup> / <sub>2</sub> " (165mm)	
S1329-180	7 <sup>1</sup> / <sub>2</sub> " (190mm)	



#### GILLIES TC

S1329-425	6 <sup>1</sup> / <sub>2</sub> " (165mm)	curved
<i>one fenestrated jaw</i>		
<i>one angled finger ring</i>		

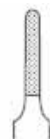


#### SAROT

*serrated*

*With tungsten carbide inserts*

S1329-340	7" (175mm)
S1329-342	8" (200mm)
S1329-344	9" (230mm)
S1329-370	10" (250mm)



#### FRENCH EYE

*serrated*

*With tungsten carbide inserts*

S1329-200	6" (150mm)
S1329-210	7" (175mm)
S1329-220	8" (200mm)



#### RYDER MICRO

*serrated*

*With tungsten carbide inserts*

S1329-465	5" (120mm)
S1329-466	6" (150mm)
S1329-467	7" (175mm)
S1329-468	8" (200mm)
S1329-469	9" (230mm)



#### MATHIEU

*serrated*

S1119-2014 5½" (140mm)  
S1329-2270 8" (203mm)  
S1329-2264 5½" (140mm) carbide



#### CASTROVIEJO MICRO

5½" (140mm) *smooth, with lock*

S1609-1924 straight  
S1609-1925 curved  
S1329-445 straight, carbide  
S1329-446 curved, carbide



#### CASTROVIEJO MICRO

5½" (140mm) *extra delicate smooth, with lock*

S1609-1917 straight  
S1609-1909 curved



#### BLAIR(ROLLET) 5½"(140mm)

S1639-4010 4 sharp prongs, rigid  
S1209-5517 4 blunt prongs, rigid  
S1209-5516 4 sharp prongs, exible



#### FLEXIBLE RAKE 6¼"(159mm)

S1209-6450 1 sharp prong  
S1209-6452 2 sharp prongs  
S1209-6453 3 sharp prongs  
S1209-6550 1 blunt prong  
S1209-6552 2 blunt prongs  
S1209-6553 3 blunt prongs



#### RAGNELL

S1209-0525 5¾" (146mm) double ended  
4mm width x 8mm depth blade  
and 6mm width x 15mm depth blade



**RIGID RAKE** 6½" (165mm)  
 S1209-6601 1 sharp prong  
 S1209-6602 2 sharp prongs  
 S1209-6603 3 sharp prongs  
 S1209-6701 1 blunt prong  
 S1209-6702 2 blunt prongs  
 S1209-6703 3 blunt prongs



**STRAIGHT SKIN HOOK**  
 S1209-118 4¾" (121mm)  
 one sharp prong  
 2mm diameter



**WIENER SKIN HOOK**  
 5" (127mm)  
 S1609-2225 one sharp prong  
 3.5mm diameter  
 S1609-2226 one blunt prong  
 3.5mm diameter



**COTTLE HOOK**  
 S1209-4016 5½" (140mm)  
 one sharp prong  
 large deep curve  
 4mm diameter



**FRAZIER HOOK** 5" (127mm)  
 S1209-3012 one sharp prong  
 2.5mm diameter  
 S1209-3013 one blunt prong  
 2.5mm diameter



**TYRELL HOOK** 5" (127mm)  
 S1609-2202 one sharp prong  
 1.5 diameter  
 S1609-2203 one blunt prong  
 1.5 diameter



**GUTHRIE HOOK**  
 S1209-5211 5" (127mm)  
 2 sharp prongs  
 2.5mm wide



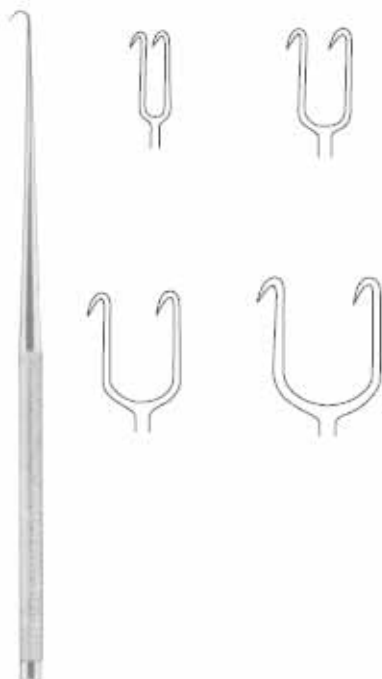
**GILLIES HOOK** 7"(178mm)  
S1209-3019 2mm diameter  
S1209-3020 3mm diameter



**FREER SKIN HOOK** 6"(152mm)  
S1609-1298 2 sharp prongs  
2mm wide  
S1609-1299 2 blunt prongs  
2mm wide



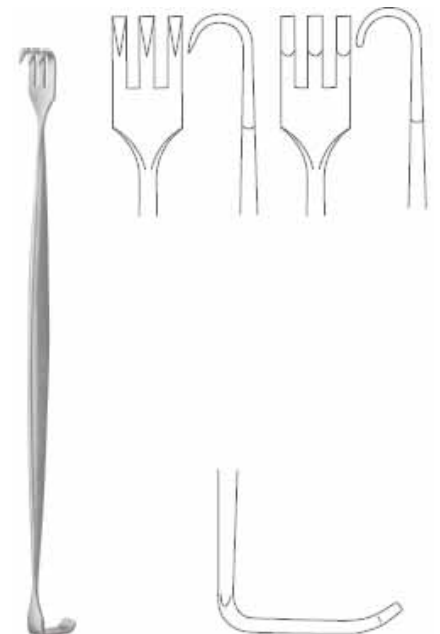
**KLEINERT-KUTZ HOOK** 6"(152mm)  
S1209-4803 3mm diameter  
S1209-4805 5mm diameter  
S1209-4807 7mm diameter



**JOSEPH HOOK** 6¼"(159mm) sharp  
S1209-5001 1 prong 4mm wide  
S1209-5002 2 prong 2mm wide  
S1209-5005 2 prong 5mm wide  
S1209-5007 2 prong 7mm wide  
S1209-5010 2 prong 10mm wide



**LAHEY RETRACTOR** 4¾"(121mm)  
S1209-3031 1 sharp prong  
S1209-3032 2 sharp prong  
S1209-3033 3 sharp prong



**SENN RETRACTOR** 3 prongs  
S1209-0508 6¼" (159mm) sharp  
S1209-0509 6¼" (159mm) blunt





# **VOLKMANN 4½"(114mm)**

*Sharp*

S1229-2602	2 prongs
S1229-2603	3 prongs
S1229-2604	4 prongs
S1229-2606	6 prongs

*Blunt*

S1229-2702	2 prongs
S1229-2703	3 prongs
S1229-2704	4 prongs
S1229-2706	6 prongs



# **VOLKMANN 8½"(216mm)**

*Sharp*

S1229-3401	1 prong
S1229-3402	2 prongs
S1229-3403	3 prongs
S1229-3404	4 prongs
S1229-3406	6 prongs

*Blunt*

S1229-3501	2 prongs
S1229-3502	2 prongs
S1229-3503	3 prongs
S1229-3504	4 prongs
S1229-3506	6 prongs



# **MATHIEU 6¼"(159mm)**

S1209-0513	3 sharp prongs
S1209-0512	3 blunt prongs



# **JACKSON TRACHEAL HOOK**

S1209-4014	5¾" (146mm)	sharp
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# **MURPHY 7¾"(195mm)**

*Sharp*

S1229-5002	2 prongs
S1229-5003	3 prongs
S1229-5004	4 prongs
S1229-5006	6 prongs

# **MURPHY 7¾"(195mm)**

*Blunt*

S1229-5102	2 prongs
S1229-5103	3 prongs
S1229-5104	4 prongs
S1229-5106	6 prongs



**CRILE**  
S1209-0930 4 <sup>3</sup>/<sub>8</sub>" (111mm)  
Double ended



**MEYERDING FINGER RETRACTOR 7" (180mm)**  
S1209-1001 #1  
S1209-1002 #2  
S1209-1003 #3  
S1209-1004 #4  
S1209-1005 #5  
S1209-1006 #6



**LAHEY**  
S1239-0306 7 <sup>3</sup>/<sub>4</sub>" (195mm)



**LITTLE 7 1/2" (191mm)**  
S1209-1780 12.0mm wide, 9.0mm deep  
S1209-1781 12.0mm wide, 16.0mm deep



**LOVE NERVE RETRACTOR 7 1/2" (191mm)**  
S1209-1701 blade straight  
S1209-1702 blade angled 45 degrees  
S1209-1703 blade angled 90 degrees



**GREEN**  
S1239-3512 8½" (216mm)  
fenestrated handle



**GOELET**  
S1239-3752 7½" (191mm)  
double ended



**CUSHING VEIN**  
S1209-1750 9" (229mm)  
S1209-1751 12" (302mm)  
S1209-1752 14" (355mm)  
fenestrated handle



**LANGENBECK with hollow handle**

S1239-0710 53/8" wide x 1½" deep  
S1239-0713 ½" wide x 111/16" deep  
S1239-0716 55/8" wide x 111/16" deep



**RICHARDSON RETRACTOR 9½"(241mm)**  
Loop handle  
S1239-4501 ¾" wide x 1" long blade  
(19mm wide x 25mm long blade)  
S1239-4502 1" wide x 1¼" long blade  
(25mm wide x 32mm long blade)  
S1239-4503 1½" wide x 1½" long blade  
(38mm wide x 38mm long blade)  
S1239-4504 ¾" wide x 2" long blade  
(19mm wide x 51mm long blade)



**RICHARDSON RETRACTOR 9½"(240mm)**  
Grip handle  
S1239-4515 ¾" wide x 1" deep  
S1239-4516 1" wide x 1¼" deep  
S1239-4517 1½" wide x 1½" deep  
S1239-4518 ¾" wide x 2" deep



**RICHARDSON-EASTMANN  
RETRACTOR**

S1239-4551 9½" (241mm) small  
S1239-4552 10¼" (260mm) large  
S1239-4550 set of two



**KELLY RETRACTOR** 9¾" (248mm) with loop handle

S1239-4701 1½" x 2" blade (38mm x 51mm)  
S1239-4702 2" x 2½" blade (51mm x 64mm)  
S1239-4703 2½" x 3" blade (64mm x 76mm)  
S1239-4704 3" x 3½" blade (76mm x 89mm)



**DEAVER RETRACTOR** hollow grip handle

S1239-7211 Deaver Retractor Grip Handle 1" wide x 12" long  
S1239-7212 Deaver Retractor Grip Handle 1" wide x 13" long  
S1239-7213 Deaver-baby Retractor Grip Handle 1 1/2" wide x 12" long  
S1239-7214 Deaver-baby Retractor Grip Handle 2" wide x 12" long  
S1239-7215 2½" wide x 12" long blade (64mm x 512mm)  
S1239-7215A 3" wide x 12" long blade (76mm x 305mm)  
S1239-7216 3½" wide x 12" long blade (89mm x 305mm)  
Also available in standard exible pattern.



#### PARKER

*Double ended, set of two*  
 S1229-1413 5" (127mm) set  
 S1129-1418 7 1/4" (184mm) set



#### ROUX

S1229-1614 5 1/4" (133mm) small  
 3/4" x 1" (19mm x 25mm)  
 S1229-1615 5 3/4" (146mm) medium  
 5" x 1" (22 3/8 mm x 35mm)  
 S1229-1616 6 5/8" (173mm) large  
 1" x 1" (25 5/8 mm x 41mm)



#### MAYO-COLLINS

*Double ended, set of two*  
 S1229-1255 6" (152mm)



#### U.S. ARMY

*Double ended, set of two*  
 S1229-1821 8 1/4" (210mm)



#### RIBBON

*Malleable, stainless steel*

S1229-0006 1/4" x 8"  
 S1229-0012 1/2" x 8"  
 S1229-0017 5/8" x 8"  
 S1229-0025 1" x 8"  
 S1229-0027 1" x 10"  
 S1229-0035 1 3/4" x 10"  
 S1229-0252 1" x 13"  
 S1229-0253 1 1/8" x 13"  
 S1229-0254 1 1/2" x 13"  
 S1229-0255 2" x 13"  
 S1229-0256 2 1/2" x 13"  
 S1229-0257 3" x 13"  
 S1229-0258 4" x 13"  
 S1229-0259 5" x 13"



#### ALM 4x4 prongs

S1249-1007 2 3/4" (70mm) sharp  
 S1249-1008 2 3/4" (70mm) blunt  
 S1249-1010 4" (100mm) sharp  
 S1249-1011 4" (100mm) blunt



### HEISS AUTOMATIC RETRACTOR

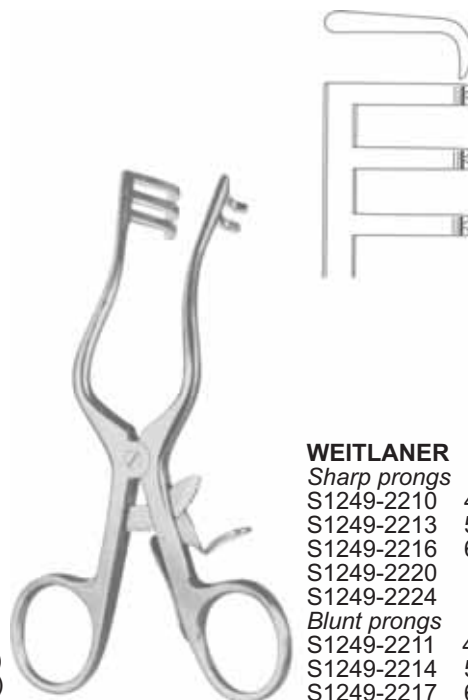
*Cross-action, 4x4 prongs*

S1249-0909 4" (100mm) sharp  
S1249-0910 4" (100mm) blunt



### GELPI sharp points

S1249-4013 3½" (80mm)  
S1249-4015 4½" (115mm)  
S1249-4014 5½" (140mm)  
S1249-4018 7½" (190mm)  
*With ball stops*  
S1249-4057 6¾" (170mm)



### WEITLANER

*Sharp prongs*

S1249-2210 4¼" (100mm) 2x3  
S1249-2213 5½" (140mm) 3x4  
S1249-2216 6½" (165mm) 3x4  
S1249-2220 8" (200mm) 3x4  
S1249-2224 9" (230mm) 3x4

*Blunt prongs*

S1249-2211 4¼" (100mm) 2x3  
S1249-2214 5½" (140mm) 3x4  
S1249-2217 6½" (165mm) 3x4  
S1249-2221 8" (200mm) 3x4  
S1249-2225 9" (230mm) 3x4



### BECKMAN-WEITLANER hinged arms

*3x4 Sharp prongs*

S1249-3013 5½" (140mm)  
S1249-3016 6½" (165mm)  
S1249-3020 8½" (200mm)  
S1249-3023 9½" (240mm)

*3x4 Blunt prongs*

S1249-3014 5½" (140mm)  
S1249-3017 6½" (165mm)  
S1249-3021 8½" (200mm)  
S1249-3024 9½" (240mm)



### BECKMAN-EATON RETRACTOR

S1249-3450 12½" (317mm)  
hinged blades  
7x7 sharp prongs  
45mm depth x 45mm height



**BECKMAN** *hinged arms*  
 12<sup>1/8</sup>" (310mm), 4x4 prongs  
 S1249-3204 17.0mm deep, sharp  
 S1249-3425 1" 25.0mm deep, sharp  
 S1249-3426 1" 25.0mm deep, blunt  
 S1249-3445 1<sup>3/4</sup>" 44.0mm deep, sharp  
 S1249-3446 1<sup>3/4</sup>" 44.0mm deep, blunt



**ADSON** *hinged blades*  
 4x5 blunt prongs  
 S1249-3206 12<sup>1/8</sup>" (310mm)



**BALFOUR** *pediatric*  
 S1249-7001 3<sup>1/2</sup>" (89mm)  
 spread, fenestrated



**BALFOUR** *adult*  
 spread, fenestrated  
 S1249-7010 7" (178mm)  
 S1249-7020 10" (250mm)



**TROUSSEAU DILATOR**  
 S1739-6601 4<sup>3/4</sup>" (120mm) child  
 S1739-6602 5<sup>1/2</sup>" (140mm) adult

**WARTENBERG**  
**NEUROLOGICAL PIN WHEEL**  
 S1449-3025 7" (178mm)





### LA BORDE TRACHEAL DILATOR

*Three bladed two flat, one cupped*

S1739-6603 6" (150mm) adult

S1739-6604 5<sup>1/8</sup>" (130mm) child



### FREER 7<sup>1/2</sup>" (191mm)

*one sharp and one blunt blade*

S1269-3502 4.5mm

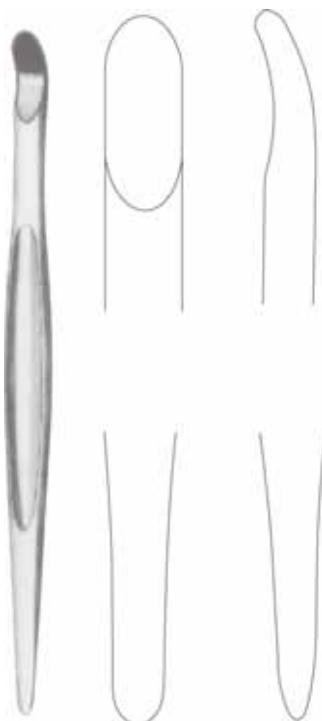
S1269-3503 6.5mm



### MCKENTY 5<sup>1/2</sup>" (140mm)

S1269-4224 4mm wide

S1269-4225 5mm wide



### KEY PERIOSTEAL

S1269-5606 7" (178mm) 1/4" 6mm wide

S1269-5612 7<sup>1/2</sup>" (191mm) 1/2" 13mm wide

S1269-5620 8" (203mm) 3/4" 19mm wide

S1269-5625 8<sup>1/4</sup>" (210mm) 1" 25mm wide

### SAYRE PERIOSTEAL 6<sup>1/2</sup>" (165mm)

*Double ended*

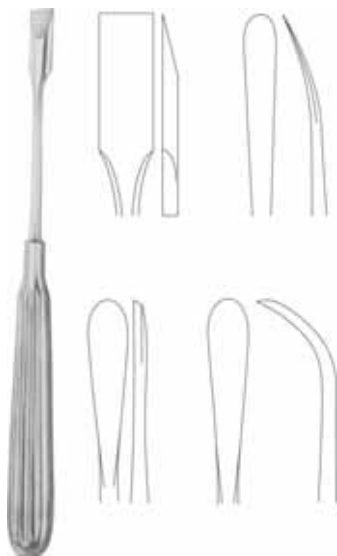
S1269-3750 sharp

S1269-3751 blunt

### LANGENBECK PERIOSTEAL 7" (178mm)

S1549-4009 7mm wide, blunt edge

S1549-4010 18mm wide, sharp edge



#### **ADSON PERIOSTEAL 6¾" (171mm)**

S1269-4801	straight sharp
S1269-4802	curved blunt
S1269-4804	straight semi-sharp
S1269-4803	curved semi-sharp



#### **MARTINI BONE CURETTE**

<i>Double ended, round, 5½" (140mm)</i>		
S1299-8010	#00/0	2.5mm+3.0mm
S1299-8011	#0/1	3.0mm+4.0mm
S1299-8012	#1/2	4.0mm+5.0mm



#### **WILLIGER BONE CURETTE**

S1299-8312	5½" (140mm)	double ended
3mm and 4mm oval cups		



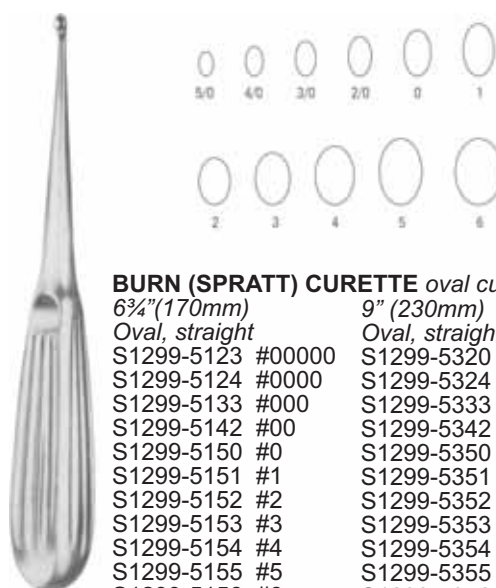
#### **VOLKMANN CURETTES**

<i>Double ended, oval cups</i>	
S1299-8513	5" (125mm)
S1299-8514	5½" (140mm)
S1299-8517	6¾" (170mm)
S1299-8520	8" (200mm)



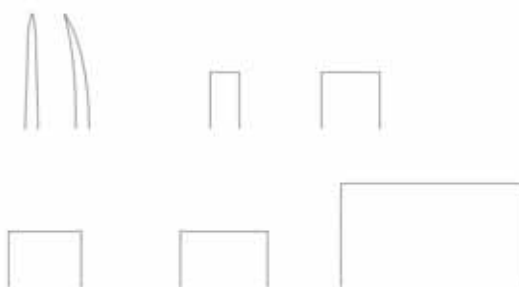
#### **VOLKMANN CURETTES**

<i>Double ended, one round and one oval cup</i>	
S1299-8501	5" (125mm)
S1299-8502	6½" (165mm)
S1299-8503	8" (200mm)



#### **BURN (SPRATT) CURETTE oval cup**

6¾" (170mm)	9" (230mm)
<i>Oval, straight</i>	<i>Oval, straight</i>
S1299-5123 #00000	S1299-5320 #00000
S1299-5124 #0000	S1299-5324 #0000
S1299-5133 #000	S1299-5333 #000
S1299-5142 #00	S1299-5342 #00
S1299-5150 #0	S1299-5350 #0
S1299-5151 #1	S1299-5351 #1
S1299-5152 #2	S1299-5352 #2
S1299-5153 #3	S1299-5353 #3
S1299-5154 #4	S1299-5354 #4
S1299-5155 #5	S1299-5355 #5
S1299-5156 #6	S1299-5356 #6



## LAMBOTTE OSTEOTOME

*Straight*

5<sup>1/8</sup>" (130mm)

S1279-5702	2.0mm
S1279-5704	4.0mm
S1279-5706	6.0mm
S1279-5708	8.0mm
S1279-5710	10.0mm
S1279-5712	12.0mm
S1279-5715	15.0mm
S1279-5718	18.0mm
S1279-5719	19.0mm
S1279-5720	20.0mm

With calibration lines, 7<sup>1/4</sup>" (185mm)

*Straight*

S1279-5504	4.0mm
S1279-5505	5.0mm
S1279-5506	6.0mm
S1279-5508	8.0mm
S1279-5510	10.0mm
S1279-5512	12.0mm
S1279-5516	16.0mm
S1279-5519	19.0mm
S1279-5522	22.0mm
S1279-5525	25.0mm

*Curved*

S1279-5524	4.0mm
S1279-5526	6.0mm

Without calibration lines, 9" (230mm)

*Straight*

S1289-9406	1/4"	(6.0mm)
S1289-9412	1/2"	(12.0mm)
S1289-9420	3/4"	(20.0mm)
S1289-9425	1"	(25.0mm)
S1289-9430	1 1/4"	(30.0mm)
S1289-9440	1 1/2"	(40.0mm)

*Curved*

S1289-9456	1/4"	(6.0mm)
S1289-9462	1/2"	(12.0mm)
S1289-9470	3/4"	(20.0mm)
S1289-9475	1"	(25.0mm)
S1289-9480	1 1/4"	(30.0mm)
S1289-9490	1 1/2"	(40.0mm)



## U.S. ARMY PATTERN OSTEOTOME

6<sup>1/4</sup>" (160mm)

S1289-2106	6.0mm
S1289-2112	12.0mm
S1289-2118	18.0mm



## HOKE OSTEOTOME 5<sup>1/4</sup>" (133mm)

*Straight*

S1289-4903	"	(3.0mm)
S1289-4904	"	(4.5mm)
S1289-4906	1/4"	(6.0mm)
S1289-4908	"	(8.0mm)
S1289-4910	"	(10.0mm)
S1289-4962	2 1/2"	(12.0mm)

*Curved*

S1289-4953	"	(3.0mm)
S1289-4954	"	(4.5mm)
S1289-4956	1/4"	(6.0mm)
S1289-4958	"	(8.0mm)
S1289-4960	"	(10.0mm)
S1289-4962	1/2"	(12.0mm)



## SHEEHAN OSTEOTOME

*Straight*

6<sup>1/4</sup>" (160mm)

S1279-6202	2.0mm
S1279-6204	4.0mm
S1279-6206	6.0mm
S1279-6208	8.0mm
S1279-6210	10.0mm
S1279-6212	12.0mm
S1279-6215	15.0mm
S1279-6218	18.0mm



### SMITH-PETERSEN OSTEOTOME

*Straight*

8"(200mm)

S1289-7106	1/4"	(6.0mm)
S1289-7109	3/8"	(10.0mm)
S1289-7112	1/2"	(12.0mm)
S1289-7115	5/8"	(16.0mm)
S1289-7120	3/4"	(20.0mm)
S1289-7125	1"	(25.0mm)
S1289-7130	1 1/4"	(32.0mm)

*Curved*

S1289-7156	1/4"	(6.0mm)
S1289-7159	3/8"	(10.0mm)
S1289-7162	1/2"	(12.0mm)
S1289-7165	5/8"	(16.0mm)
S1289-7170	3/4"	(20.0mm)
S1289-7175	1"	(25.0mm)
S1289-7180	1 1/4"	(32.0mm)



### HIBBS OSTEOTOME

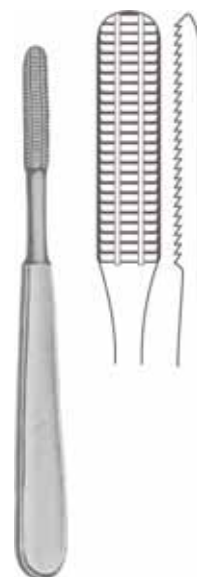
*Straight*

9 1/2"(240mm)

S1289-5106	1/4"	(6.0mm)
S1289-5110	3/8"	(10.0mm)
S1289-5112	1/2"	(12.0mm)
S1289-5116	5/8"	(16.0mm)
S1289-5120	3/4"	(20.0mm)
S1289-5122	7/8"	(22.0mm)
S1289-5125	1"	(25.0mm)
S1289-5130	1 1/8"	(32.0mm)
S1289-5132	1 1/4"	(32.0mm)
S1289-5140	1 1/2"	(38.0mm)

*Curved*

S1289-5156	1/4"	(6.0mm)
S1289-5160	3/8"	(10.0mm)
S1289-5162	1/2"	(12.0mm)
S1289-5166	5/8"	(16.0mm)
S1289-5170	3/4"	(20.0mm)
S1289-5172	7/8"	(22.0mm)
S1289-5175	1"	(25.0mm)
S1289-5180	1 1/8"	(29.0mm)
S1289-5182	1 1/4"	(32.0mm)
S1289-5190	1 1/2"	(38.0mm)



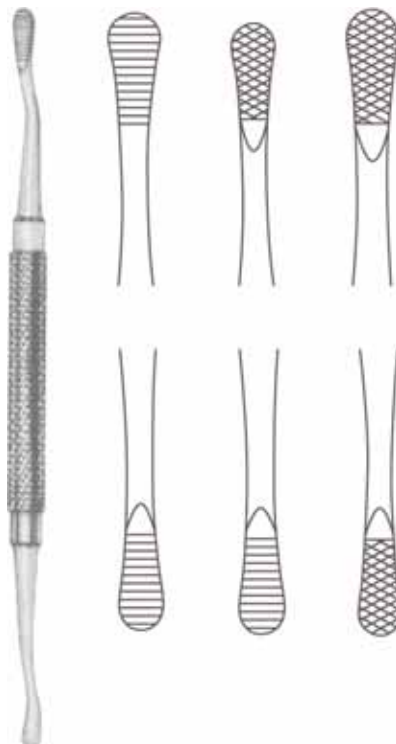
### MALTZ RASP

S1679-5925 7 1/4" (184mm)  
backward cutting



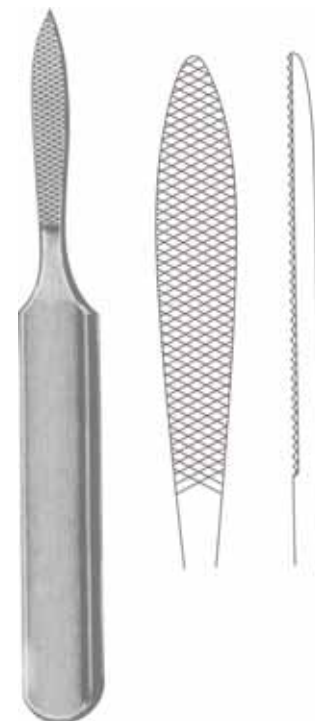
### MALTZ RASP IMPROVED

S1679-5924 8 1/4" (210mm)  
double ended  
forward and backward cutting



### BONE FILES 7"(178mm) double ended

S1779-2008 #12 plain serrations  
S1779-2009 #12A plain and cross serrations  
S1779-2010 #12CA cross serrations

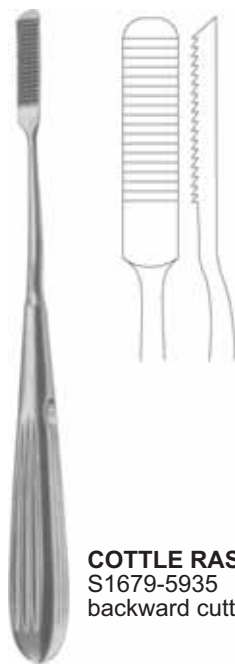


### JOSEPH RASP

S1639-0503 6 1/4" (159mm) fine  
Cross serrations  
S1639-0504 7" (175mm) Coarse



**LEWIS RASP** *backward cutting*  
 S1679-5930 7½" (191mm) Coarse teeth  
 S1679-5930 7½" (191mm) fine teeth



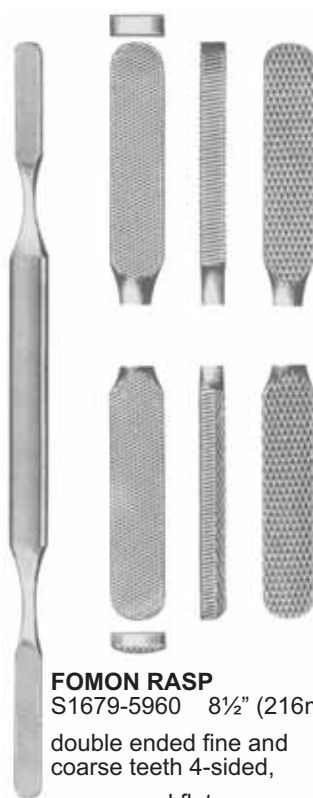
**COTTLE RASP**  
 S1679-5935 8" (203mm)  
 backward cutting



**AUFRICHT RASP** 8¼" (210mm)  
 S1679-5942 forward cutting  
 S1679-5941 backward cutting



**BONE FILE**  
 S1269-1450 9½" (241mm)  
 bayonet shank half round  
 blade fine teeth



**FOMON RASP**  
 S1679-5960 8½" (216mm)  
 double ended fine and  
 coarse teeth 4-sided,  
 convex and flat



**PUTTI BONE RASP**  
 S1269-1501 11" (279mm) flat ends  
 one end curved up  
 one end curved sideways



**PUTTI BONE RASP**  
S1269-1502 12" (305mm)  
one round end  
and one half round end



**JOSEPH BONE SAW 7½"(191mm)**  
S1679-6010 straight  
S1679-6011 bayonet left  
S1679-6012 bayonet right



**SCHAMBERG COMEDONE EXTRACTOR**  
S1439-3811 3 3/4" crimped loop  
S1439-3812 3 3/4" extra finecrimped loop



**SCHAMBERG COMEDONE EXTRACTOR**  
S1439-3810 3 3/4" square loop



**UNNA COMEDONE EXTRACTOR**  
S1439-3514 5¾" (146mm)  
fenestrated spoon ends



**KMEDIC COMEDONE EXTRACTOR**  
S1439-3515 6 1/4"  
one fenestrated cup & cvd lancet



**GREG COMEDONE EXTRACTOR**  
S1439-3815a 5" (127mm)  
one fenestrated cup  
and lancet blade with cap



**SAALFELD COMEDONE EXTRACTOR**  
S1439-3111 4 1/2"  
w/ lancet & fenestrated cup



**KEYES PUNCH 4" (102mm)**  
S1439-0302 2mm  
S1439-0303 3mm  
S1439-0304 4mm  
S1439-0305 5mm  
S1439-0306 6mm  
S1439-0308 8mm



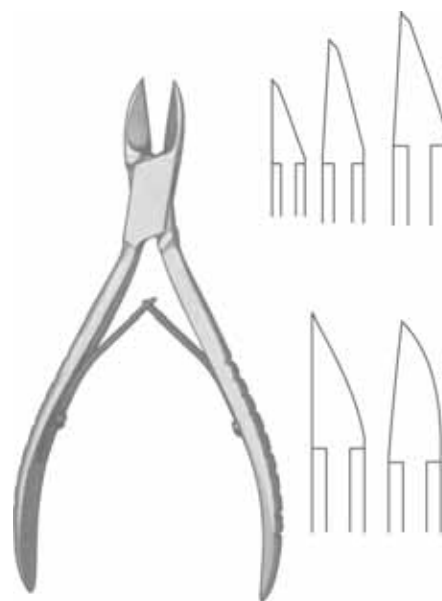
**FOX CURETTE 5 1/2" (140mm)**  
*Round*  
S1439-1301 1mm  
S1439-1302 2mm  
S1439-1303 3mm  
S1439-1304 4mm  
S1439-1305 5mm  
S1439-1306 6mm



**PIFFARD CURETTE 5 1/2" (140mm) oval**  
S1439-1099 #1 small  
S1439-1100 #2 medium  
S1439-1101 #3 large

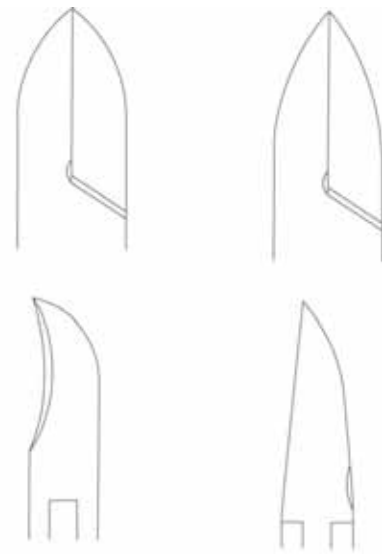
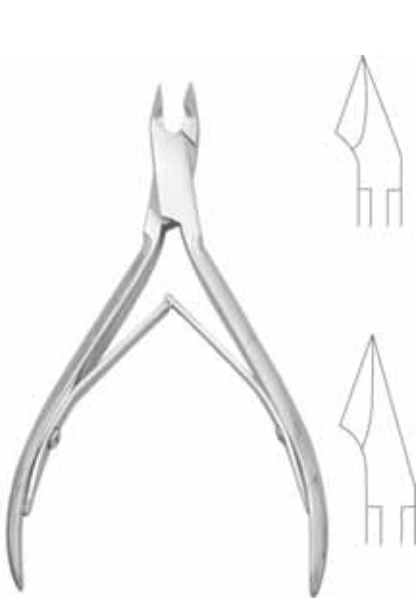


**BIRO DERMAL NAEVUS SCISSOR**  
S1439-3324 4" (102mm) angled on flat  
sharp outside edges



**NAIL SPLITTER**  
S1439-7810 4" (102mm)  
S1439-7811 4 1/2" (114mm)  
S1439-7813 5" (127mm)  
S1439-7812 5" (127mm)  
S1439-7815 6" (152mm)  
heavy duty  
narrow jaw





#### TISSUE NIPPER

S1439-7711 4½" (114mm) 11mm cutting edge  
S1439-7712 5" (127mm) 14mm cutting edge

#### NAIL NIPPER *heavy*

S1439-7514 5½" (140mm) concave  
S1439-7614 5½" (140mm) straight



#### NAIL NIPPER

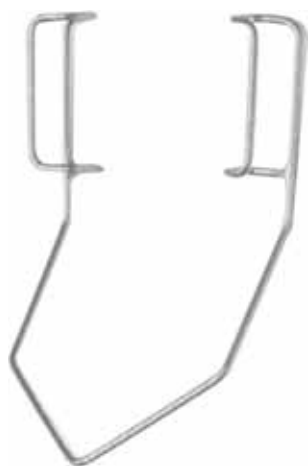
S1439-7081 4 1/2" concave, barrel spring  
S1439-7083 5 1/2" concave, barrel spring

#### INGROWN NAIL FORCEPS

S1439-7914 5" (127mm) anvil pattern  
narrow blade

#### FINGER RING CUTTER

S1439-4500 6½" (165mm) chrome  
with saw blade  
S1439-4501 saw blade only



### **BARRAQUER EYE SPECULUM**

1¾"(44mm)

S1609-1967 small blades, 10mm wide

S1609-1963 large blades, 15mm wide



### **GRAEFE EYE SPECULUM**

S1609-0121 3½" (89mm)



### **GRAEFE STRABISMUS HOOK**

5½"(140mm)

S1609-1344 small

S1609-1345 medium

S1609-1346 large



### **MEYHOEFFER CURETTE**

5"(127mm)

S1609-3009 #2/ 1.0mm

S1609-3010 #0 1.5mm

S1609-3011 #1 1.7mm

S1609-3012 #2 2.0mm

S1609-3013 #3 2.5mm

S1609-3015 #4 3.5mm



### **BOWMAN LACRIMAL**

5"(127mm) Sterling

S1609-3400 0000-000

S1609-3401 00-0

S1609-3402 1-2

S1609-3404 3-4

S1909-3406 5-6

S1609-3408 7-8

### **WILLIAMS LACRIMAL**

Ball tip, Sterling

S1609-1982 00-0

S1609-1983 1-2

S1609-1984 3-4

S1609-1985 5-6

S1609-1986 7-8



### **DESMARRES LID RETRACTOR**

5½"(140mm)

S1609-0510 #1 11mm

S1609-0512 #2 13mm

S1609-0513 #3 15mm

S1609-0514 #4 17mm



**SCHIOTZ TONOMETER**  
 S1609-0000 straight scale  
 S1609-6031 straight scale  
 with Allen Plunger



**CASTROVIEJO CALIPER**  
 S1609-0040 3 1/4" (83mm)  
 graduated 0-20mm



**BISHOP HARMON FORCEPS** 3 3/8" (86mm)  
 S1609-1524 dressing fcp no teeth, cross serr tips 3 3/8"  
 S1609-1523 tissue fcp str delicate serr 1.0mm teeth 3 3/8"  
 S1609-1522 tissue fcp str 1x2 teeth 1.0mm 3 3/8"



**TROUTMAN-BARRAQUER FORCEPS**  
 S1609-1462 3" (76mm) 1x2teeth  
 0.12mm with tying platform  
 S1609-1463 3" (76mm) 0.12mm  
 without tying platform



**DOUGLAS CILIA FORCEPS**  
 S1609-5705 3 1/2" (89mm) fine serrations



**LITTAUER CILIA FORCEPS**  
 S1609-5715 3 1/2" (89mm) fine serrations



#### **BERGH CILIA FORCEPS**

S1609-5725 3½" (89mm) fine serrations



#### **BARRAQUER CILIA & SUTURE FORCEPS**

S1609-1699 4½" (114mm) smooth platform



1

2

3

4

#### **HARTMAN EAR SPECULA** *round chrome*

S1619-0962 # 1, 2.5mm, round

S1619-0953 # 2, 4 mm, round

S1619-0954 # 3, 5 mm, round

S1619-0955 # 4, 6 mm, round

S1619-0956 # 5, 7 mm, round

Also available in Oval

S1619-0951 hartmann spec set/4 round



1

2

3

4



#### **WILDE EAR FORCEPS**

S1619-0108 4½" (114mm) delicate

serrated, angular

S1619-0109 5" (127mm) serrated, angular



#### **LUCAE EAR FORCEPS**

S1079-3074 5½" (140mm) serrated, bayonet

#### **HARTMAN EAR SPECULA** *oval adult chrome*

S1619-0958 #1 4.5 x5.0mm oval

S1619-0959 #2 5.5x6.0mm oval

S1619-0960 #3 6.5x7.0mm oval

S1619-0961 #4 7.5x8.0mm oval

S1619-0957 hartmann ear spec set ovl



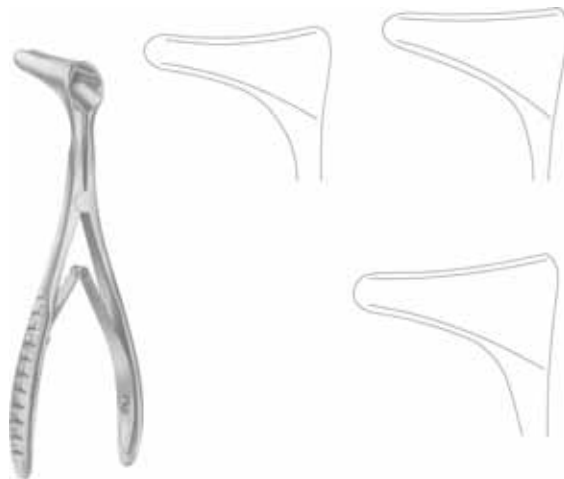
#### **JANSEN(GRUENWALD)**

S1079-3016 6¼" (159mm)  
 S1079-3019 8" (203mm)  
 serrated, bayonet  
 S1079-3116 6¼" (159mm) 1 x 2 teeth, bayonet  
 S1079-3119 8" (203mm) 1 x 2 teeth



#### **VIENNA SPECULUM LIGHT**

S1639-6244 5¾" (146mm) adult



#### **VIENNA SPECULUM 5¾" (146mm)**

S1639-6241 #1 24mm  
 S1639-6242 #2 30mm  
 S1639-6243 #3 32mm  
 S1639-6244 #4 34mm large



#### **HALLE-TIECK SPECULUM**

S1639-6250 5½" (140mm) infant  
 S1639-6235 5½" (140mm) adult



#### **KILLIAN NASAL SPECULUM 6" (152mm)**

S1669-0805 51mm blade  
 S1669-0806 64mm blade  
 S1669-0807 76mm blade  
 S1669-0809 90mm blade



#### **AUFRICHT NASAL RETRACTOR**

S1679-2135 6½" (165mm) solid blade



**HARTMAN ALLIGATOR FORCEPS**

S1619-0146 3½" (89mm) serrated  
S1629-3163 3½" (89mm) 1x2 teeth serrated



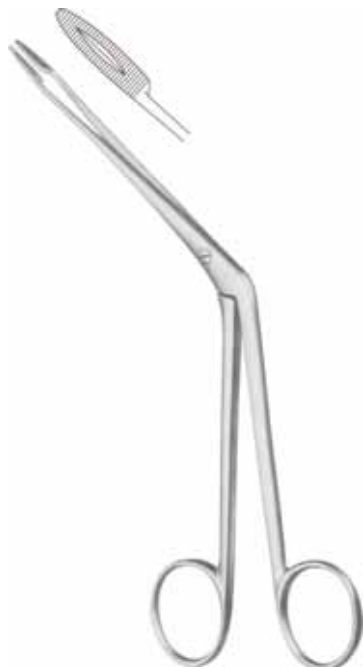
**HARTMAN EAR DRESSING FORCEPS**

S1619-0111 5" (127mm) delicate, serrated



**NOYES ALLIGATOR FORCEPS**

S1629-3114 5½" (140mm) serrated  
S1619-0117 5½" (140mm) 1x2 teeth serrated



**HARTMAN NASAL FORCEPS**

S1619-0111 8" (203mm) standard serrated



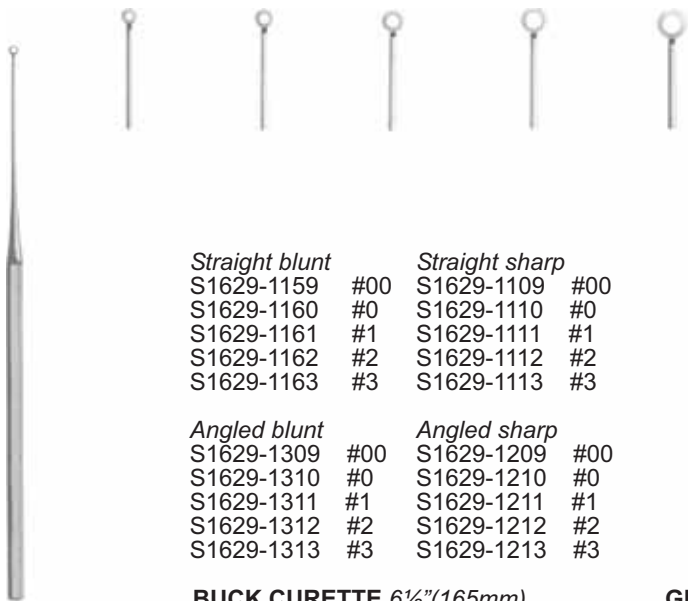
**KNIGHT SEPTUM FORCEPS**

S1669-2510 7" (178mm) cup jaws



**LUC SEPTUM FORCEPS 8" (203mm)**

S1669-2401 small cup  
S1669-2402 large cup



*Straight blunt*

S1629-1159 #00  
S1629-1160 #0  
S1629-1161 #1  
S1629-1162 #2  
S1629-1163 #3

*Straight sharp*

S1629-1109 #00  
S1629-1110 #0  
S1629-1111 #1  
S1629-1112 #2  
S1629-1113 #3

*Angled blunt*

S1629-1309 #00  
S1629-1310 #0  
S1629-1311 #1  
S1629-1312 #2  
S1629-1313 #3

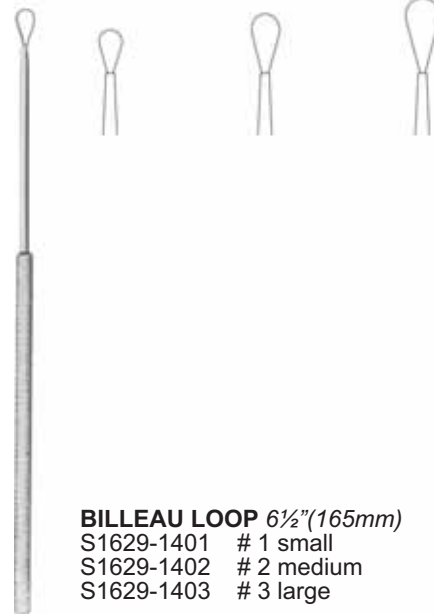
*Angled sharp*

S1629-1209 #00  
S1629-1210 #0  
S1629-1211 #1  
S1629-1212 #2  
S1629-1213 #3

**BUCK CURETTE** 6½"(165mm)



**GROSS SPOON AND HOOK**  
S1629-1470 4¾" (121mm)



**BILLEAU LOOP** 6½"(165mm)

S1629-1401 # 1 small  
S1629-1402 # 2 medium  
S1629-1403 # 3 large



**TUNING FORK** aluminum alloy

S1629-0710 C-128  
S1629-0711 C-256  
S1629-0712 C-512  
S1629-0713 C-1024  
S1629-0714 C-2048  
S1629-0705 set of ve in a case



**MALLET #49**

S1279-0213 7¾"(195mm)  
lead filled and faced  
weight: 7 oz. (200 grams)  
head weight: 5 oz.(150 grams)  
head diameter: 22mm



**MEAD MALLET**

S1279-0630 7½"(191mm)  
with replaceable nylon caps  
weight: 11 oz. (315 grams)  
head weight: 6 oz.(170 grams)  
head diameter: 20mm



**GERZOG BONE MALLET**

S1279-0840 7½"(191mm)  
lead filled and faced  
weight: 10 oz. (285 grams)  
head weight: 7 oz.(200 grams)  
head diameter: 25mm







**LUCAS BONE Mallet**  
 S1279-0422 8"(203mm)  
 stainless steel  
 weight: 9 oz. (260 grams)  
 head weight: 5 oz. (150 grams)  
 head diameter: 25mm



**Mallet** *lightweight*  
 S1279-0620 7½"(191mm)  
 with two replaceable nylon caps  
 weight: 7 oz. (200 grams)  
 head weight: 4 oz. (120 grams)  
 head diameter: 25mm



**HEATH** *heavy weight*  
 S1279-0880 7½"(191mm)  
 solid stainless steel  
 weight: 2 lbs. (900 grams)  
 head weight: 1 lbs. (570 grams)  
 head diameter: 40mm



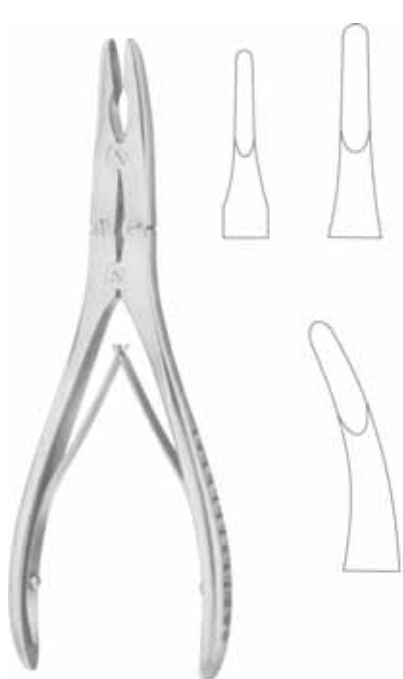
**LISTON**  
*Straight*  
 S1339-2014 5½" S1339-2114 5½" (140mm)  
 S1339-2017 6¼" S1339-2117 6¼" (171mm)  
 S1339-2019 7½" S1339-2119 7½" (191mm)  
 S1339-2022 8½" S1339-2122 8½" (220mm)



**RUSKIN-LISTON** 6"(152mm)  
*Double Action*  
 S1339-5015 straight  
 S1339-5115 curved



**RUSKIN-LISTON** 7½"(191mm)  
*Double Action*  
 S1339-5618 straight  
 S1339-5718 angled on flat



**RUSKIN RONGEUR 6"(152mm)**  
*Double Action, Straight*  
 S1319-0402 2x14mm bite Del.  
 S1319-0403 3x15mm bite  
*Curved*  
 S1319-0503 3x15mm bite  
 S1319-0502 2x14mm bite



**RUSKIN RONGEUR 7 1/4"(184mm)**  
*Double Action, Straight*  
 S1319-0605 7 1/4" 5mm bite  
 S1319-0606 6x16mm bite  
*Curved*  
 S1319-0705 7 1/4" 5mm bite  
 S1319-0706 6x16mm bite



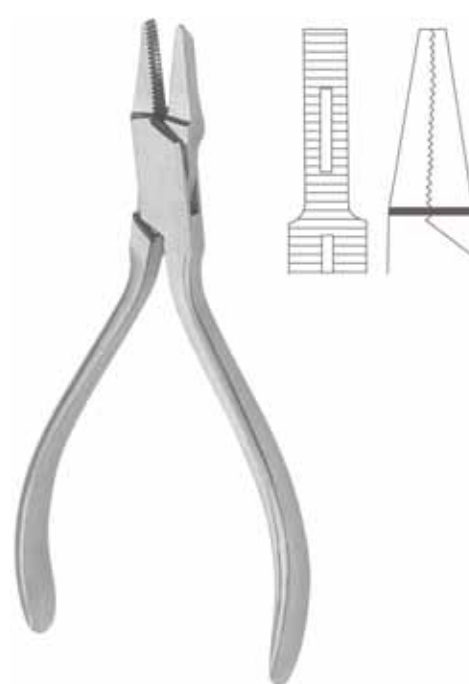
**BEYER RONGEUR 7"(178mm)**  
*Double Action, Curved*  
 S1319-1103 3x14mm bite  
 S1319-1104 4x15mm bite



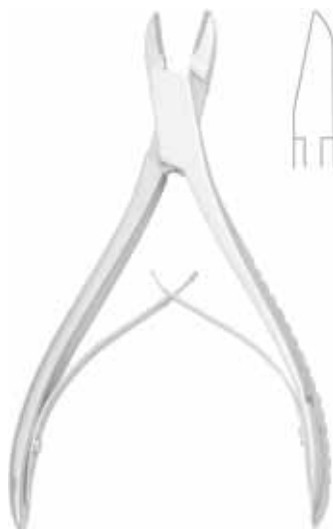
**KERN BONE FORCEPS**  
 S1359-3514 5 3/4" (146mm) with ratchet  
 S1359-3523 8 1/2" (216mm) with ratchet



**NEEDLE NOSE PLIER**  
 S1409-1775 5 1/2" (140mm)  
 for wire manipulation

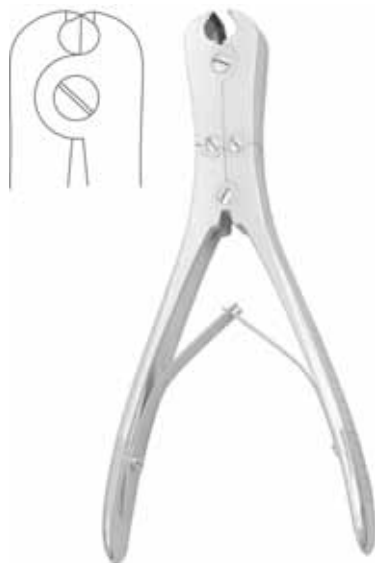


**FLAT NOSE PLIER**  
 S1149-4614 5 1/2" (140mm)  
 for wire manipulation



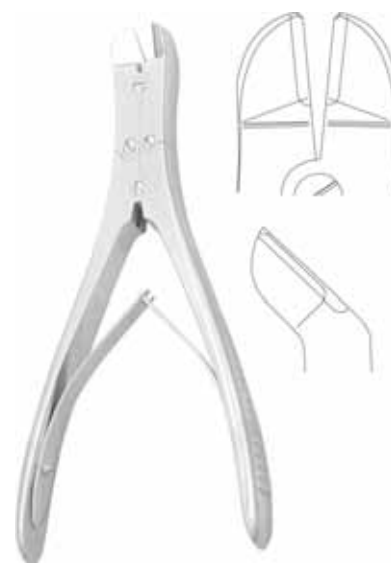
#### **PEDIATRIC WIRE CUTTER**

S1329-126 4 $\frac{3}{4}$ "(121mm) carbide inserts  
cuts up to .028"(0.7mm)



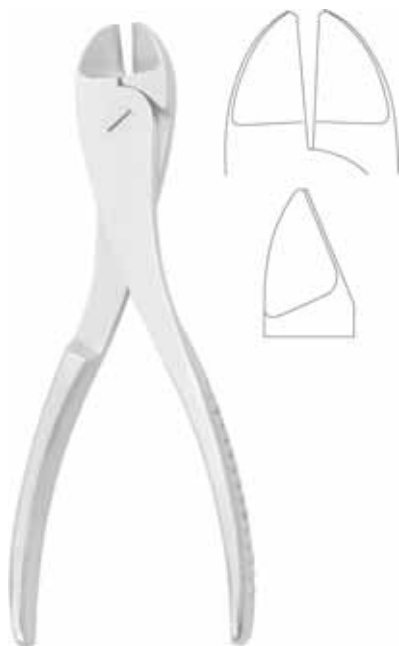
#### **WIRE CUTTER**

S1329-102 7"(178mm)  
front and side cutting  
with carbide inserts, double action  
maximum capacity: .062"(1.6mm)



#### **DOUBLE ACTION CUTTER**

S1329-128 8 $\frac{1}{2}$ "(216mm) angled, carbide inserts  
cuts up to .5 $\frac{3}{32}$ "(2.4mm)



#### **SIDE BITE WIRE CUTTER**

S1329-119 7"(178mm) welded carbide jaws  
cuts up to .062"(1.6mm)



#### **CANNULATED PIN CUTTER**

S1149-3030 7 $\frac{1}{2}$ "(191mm)  
cuts up to .062"(1.6mm)

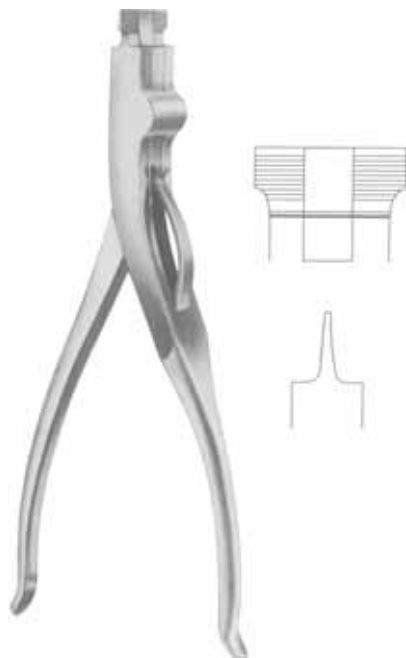


#### **PIN CUTTER LARGE**

S1769-4550 22"(559mm) side cutting  
cuts up to  $\frac{1}{4}$ "(6.3mm)



**ESMARCH SHEARS**  
S1409-3120 8"(203mm)



**WALTON CAST SPREADER**  
S1409-7523 9"(229mm) serrated  
3 prongs



**BRUNS SHEARS**  
S1409-4123 9 1/4"(235mm)  
one serrated blade



**HENNIG PLASTER SPREADER**  
S1409-7027 11"(279mm)



**PEDERSON SPECULUM**  
S1529-0507 small 1/2" x 3" blades  
S1529-0510 medium 7/8" x 4" blades  
S1529-0512 large 1" x 4 3/4" blades  
S1529-0515 extra large 1" x 6" blades



**SLENDER PEDERSON SPECULUM**  
S1529-0511 narrow blades



**GRAVE SPECULUM**  
S1529-0607 small 3/4" x 3" blades  
S1529-0610 medium 1 1/4" x 4" blades  
S1529-0612 large 1 3/4" x 4 1/2" blades  
S1529-0615 extra large 1 1/2" x 6 1/2" blades



#### **GRAVE OPEN SIDE SPECULUM**

S1529-0760 medium size, wide angle blades  
S1529-0755 45°



#### **AUVARD VAGINAL SPECULA 9"(229mm)**

S1529-2786 1½" x 3¼", 2 lbs  
(38 x 83mm, 900 grams)  
S1529-2787 1½" x 3¼", 2½ lbs  
(38 x 83mm, 1134 grams)  
S1529-2788 1½" x 3¼", 3 lbs  
(38 x 83mm, 1361 grams)  
S1529-2793 1.6" x 4", acute angle, 2½ lbs  
(35<sup>3</sup>/<sub>8</sub> x 102mm, 1134 grams)



#### **EASTMAN VAGINAL RETRACTOR**

7"(178mm)  
S1529-2331 #1 small  
S1529-2332 #2 medium  
S1529-2333 #3 large



#### **JACKSON VAGINAL RETRACTOR**

7"(178mm)  
S1529-2301 #1 small  
S1529-2302 #2 medium  
S1529-2303 #3 large



#### **SIMS VAGINAL RETRACTOR**

*double ended*  
S1529-2001 #1 small  
S1529-2002 #2 medium  
S1529-2003 #3 large



#### **HANK UTERINE DILATORS**

11"(279mm) *double ended*  
S1529-3709 size 9 & 10  
S1529-3711 size 11 & 12  
S1529-3713 size 13 & 14  
S1529-3715 size 15 & 16  
S1529-3717 size 17 & 18  
S1529-3719 size 19 & 20  
S1529-3742 set of six in a case  
*Large size*  
S1529-3721 size 21 & 22  
S1529-3723 size 23 & 24  
S1529-3725 size 25 & 26  
S1529-3727 size 27 & 28  
S1529-3729 size 29 & 30



#### **HEGAR UTERINE DILATORS**

8"(203mm) *double ended*  
S1529-3501 size 1mm & 2mm  
S1529-3503 size 3mm & 4mm  
S1529-3505 size 5mm & 6mm  
S1529-3507 size 7mm & 8mm  
S1529-3509 size 9mm & 10mm  
S1529-3511 size 11mm & 12mm  
S1529-3513 size 13mm & 14mm  
S1529-3515 size 15mm & 16mm  
S1529-3517 size 17mm & 18mm  
S1529-3542 set of eight in a case

*Also available in single ended*



#### PRATT UTERINE DILATOR

11½" (292mm)

S1529-3613 size 13 & 15 french  
S1529-3617 size 17 & 19 french  
S1529-3621 size 21 & 23 french  
S1529-3625 size 25 & 27 french  
S1529-3629 size 29 & 31 french  
S1529-3633 size 33 & 35 french  
S1529-3637 size 37 & 39 french  
S1529-3641 size 41 & 43 french  
S1529-3642 set of eight in a case

1 french = .33mm



#### SIMS UTERINE SOUND

S1529-4001 13"(330mm) cm scale  
malleable, silver plated,  
without graduations  
S1529-4002 13"(330mm)  
Graduated in centimeters  
malleable, silver plated



#### SIMPSON UTERINE SOUND

S1529-4033 13"(330mm) inch scale  
malleable, silver plated  
Graduated in inches



#### EMMETT UTERINE TENACULUM HOOK

9"(229mm)

S1209-4201 #1 narrow curved  
S1209-4202 #2 acute angle  
S1209-4203 #3 right angle  
S1209-4204 #4 wide curved  
S1209-4205 #5 double angle



#### SCHROEDER TENACULUM FORCEPS

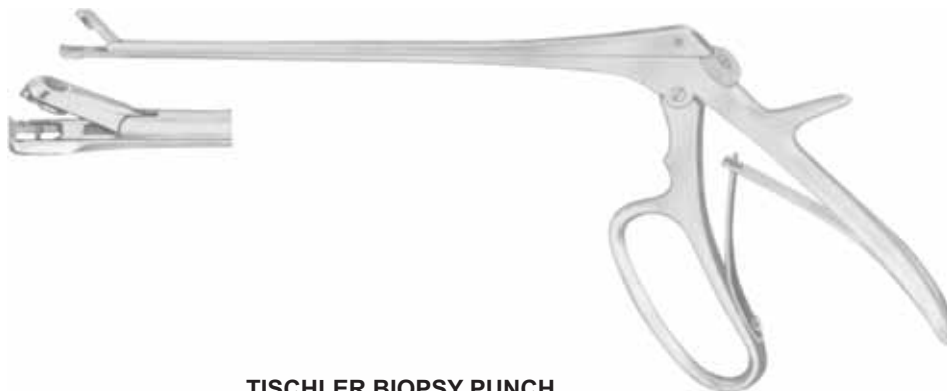
9½"(241mm)

S1529-4425  
S1529-4525 str 10" s-shape



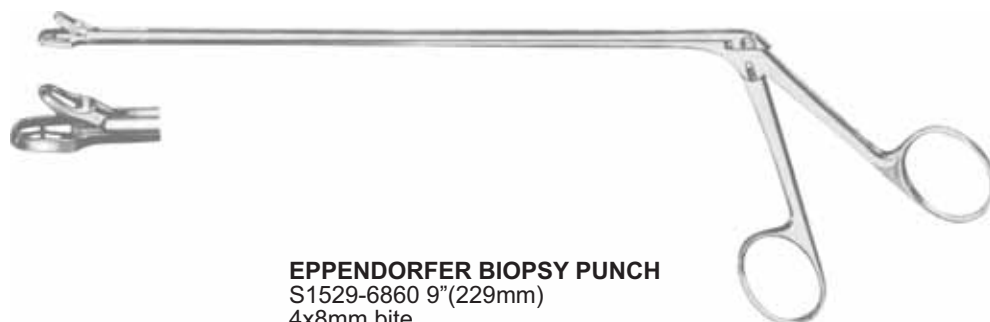
#### BOZEMAN UTERINE DRESSING FORCEPS

S1199-8026 10¼"(260mm) straight  
S1199-8126 10¼"(260mm) curved



**TISCHLER BIOPSY PUNCH**  
S1529-6555 9" (229mm) 3x7mm bite

**BABY TISCHLER BIOPSY PUNCH**  
S1529-6415 8" (203mm) delicate  
3x5mm bite



**EPPENDORFER BIOPSY PUNCH**  
S1529-6860 9" (229mm)  
4x8mm bite



**WITTNER BIOPSY PUNCH**  
S1529-6870 9" (229mm) straight  
3x8mm bite  
S1529-6871 9" (229mm) angular  
3x8mm bite



**KEVORKIAN-YOUNGE BIOPSY PUNCH**  
S1529-6880 10" (254mm) straight  
3x10mm bite





**SCHUBERT BIOPSY PUNCH**  
S1529-6502 8½"(216mm) straight  
4x8mm bite  
S1529-6503 8½"(216mm) angular  
4x8mm bite



**THOMS-GAYLOR BIOPSY PUNCH**  
S1529-6610 9½"(241mm) interfitted jaw  
5mm cup



**KEVORKIAN-YOUNGE  
ENDOCERVICAL BIOPSY  
CURETTE 12"(305mm)**  
S1529-7010 without basket  
3x12mm sharp tip  
S1529-7015 with basket  
3x12mm sharp tip



**HEANEY UTERINE BIOPSY CURETTE**  
S1529-7080 9"(229mm) serrated



**NOVAK SUCTION BIOPSY CURETTE**  
S1529-7048 9½"(241mm) 2mm diameter  
S1529-7050 9½"(241mm) 4mm diameter



**RANDALL SUCTION BIOPSY CURETTE**  
S1529-7030 9¾"(248mm) 4mm diameter



**SIMS UTERINE CURETTE** 11"(279mm)  
Malleable sharp  
S1529-8149 #00  
S1529-8150 #0  
S1529-8151 #1  
S1529-8152 #2  
S1529-8153 #3  
S1529-8154 #4  
S1529-8155 #5  
S1529-8156 #6



**KOGAN ENDOCERVICAL SPECULUM**  
S1529-3955 9"(241mm) with gauge and  
set screw 7 x 25mm jaws



**BRAUN EPISIOTOMY SCISSOR**  
S1539-3015 5"(140mm) angled sideways  
S1539-3021 8"(216mm) angled sideways



**UMBILICAL SCISSOR**  
S1539-6211 4"(108mm)



**BUSCH UMBILICAL SCISSOR**  
S1539-6216 6"(165mm) curved sideways



#### DE LEE OBSTETRICAL FORCEPS

S1539-5041 12" (305mm) short model  
S1539-5041 14" (356mm) long model



#### SIMPSON OBSTETRICAL FORCEPS

S1539-5050 12" (305mm) short model  
S1539-5051 14" (356mm) long model



#### ELLIOT OBSTETRICAL FORCEPS

*Fenestrated*  
S1539-5035 12½" (317mm) short model  
S1539-5036 1 5" (356mm) long model



#### MCLEAN OBSTETRICAL FORCEPS

*Solid blades, short shanks*  
S1539-5056 14¼" (360mm)  
S1539-5057 15" (380mm)



#### SIMPSON LUIKART OBSTETRICAL FORCEPS

*Solid blades*  
S1539-5052 14" (356mm)



#### KIELLAND LUIKART OBSTETRICAL FORCEPS

*Solid blades*  
S1539-5060 15½" (394mm)



**BODENHAMMER RECTAL SPECULUM**

S1509-7300 6" (152mm) long with set screw  
3½ x ¾" (89 x 19mm) solid blades



**SIMS RECTAL SPECULUM**

S1509-7305 6" (152mm) long with set screw  
3½" x ⅝" (89 x 16mm) fenestrated blades



**PRATT RECTAL SPECULUM**

S1509-7320 8½" (216mm) long with set screw  
3½ x 1" (89 x 25mm) solid blades



**FANSLER IVES RECTAL SPECULUM**

S1509-7771 chrome with obturator  
3¼" long 1⅛"  
(82 x 29mm)  
outside diameter



**HIRSCHMAN RECTAL ANOSCOPE**

S1509-7716 small, 2¼" (57mm) long x  
9/16" (14mm) inside diameter  
S1509-7719 medium, 2 5/8" (67mm) long x  
1" (25mm) inside diameter  
S1509-7722 large, 3½" (89mm) long x  
7/8" (22mm) inside diameter

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SUPER CUT MAYO SCISSOR	10	WARTENBERG NEUROLOGICAL PIN WHEEL	1
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TAYLOR PERCUSSION HAMMER	1	WILDE EAR FORCEPS	44
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TC NELSON METZENBAUM SCISSOR	7	WIRE CUTTING SCISSOR	11
TC OPERATING SCISSOR	7	WITTNER BIOPSY PUNCH	54
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## Measurement Conversions and Equivalents

commonly used to measure diameters of Catheters, Sounds, Bougies, Suction Tubes and Uterine Dilators.

DIAMETER MM	FRENCH (CHARRIERE) SCALE	AMERICAN SCALE	DIAMETER INCHES	DIAMETER MM	FRENCH (CHARRIERE) SCALE	AMERICAN SCALE	DIAMETER INCHES
0.33	1	---	.013	6	18	12	.236
0.5	---	1	.020	6.33	19	---	.249
0.67	2	---	.026	6.5	---	13	.256
1	3	2	.039	6.67	20	---	.263
1.33	4	---	.052	7	21	14	.275
1.5	---	3	.059	7.33	22	---	.288
1.67	5	---	.066	7.5	---	15	.295
2	6	4	.079	7.67	23	---	.302
2.33	7	---	.092	8	24	16	.315
2.5	---	5	.098	8.33	25	---	.328
2.67	8	---	.105	8.5	---	17	.335
3	9	6	.118	8.67	26	---	.341
3.33	10	---	.131	9	27	18	.354
3.5	---	7	.138	9.33	28	---	.367
3.67	11	---	.144	9.5	---	19	.374
4	12	8	.157	9.67	29	---	.380
4.33	13	---	.170	10	30	20	.394
4.5	---	9	.177	10.33	31	---	.407
4.67	14	---	.184	10.67	32	---	.420
5	15	10	.197	11	33	---	.433
5.33	16	---	.210	11.33	34	---	.446
5.5	---	11	.216	11.67	35	---	.459
5.67	17	---	.223	12	36	---	.472

Inches to Millimeters				Inches to Centimeters		Fluid Ounces to Cubic Centimeters	
INCHES	MM	INCHES	MM	INCHES	MM	FLUID OUNCES	CC
1/32	0.79	17/32	13.49	1	2.54	1	29.57
1/16	1.59	9/16	14.29	2	5.08	2	59.15
3/32	2.38	19/32	15.08	3	7.62	3	88.72
1/8	3.18	5/8	15.88	4	10.16	4	118.29
5/32	3.97	21/32	16.67	5	12.7	5	147.86
3/16	4.76	11/16	17.46	6	15.24	6	177.44
7/32	5.56	23/32	18.26	7	17.78		
1/4	6.35	3/4	19.05	8	20.32		
9/32	7.14	25/32	19.84	9	22.86		
5/16	7.94	13/16	20.64	10	25.40		
11/32	8.73	27/32	21.43	11	27.94		
3/8	9.53	7/8	22.22	12	30.48		
13/32	10.32	29/32	23.02	13	33.02		
7/16	11.11	15/16	23.81	14	35.56		
15/32	11.91	31/32	24.61	15	38.10		
1/2	12.7	1"	25.4				

1 CM = 3937 INCHES  
1 INCH = 2.54 CM  
1 FOOT = 30.48 CM





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