



**AWARD**  
INDUSTRIES

SURGICAL INSTRUMENTS CATALOGUE



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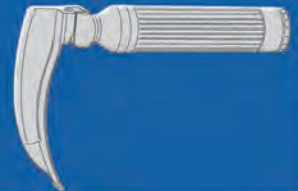
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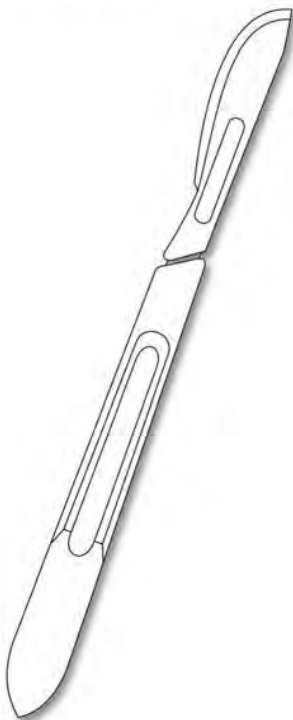
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## Scalpels

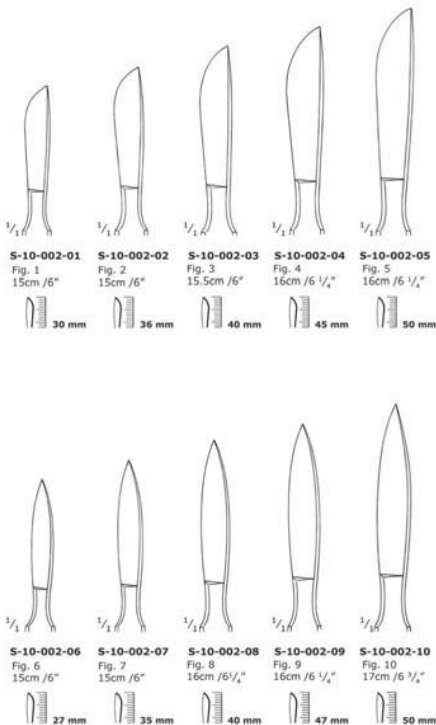




# Dissecting Knives



with metal handle





## Autopsy Knives, Cartilage Knives, Post Mortem Knives



100 mm



80 mm



$\frac{1}{2}$

**S-10-023-10**

25.5cm /10"

with wooden handle



$\frac{1}{2}$

**S-10-033-08**

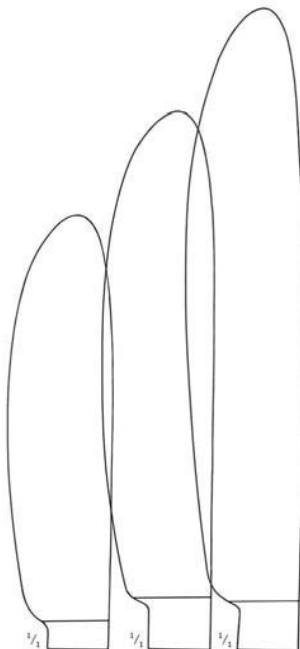
21cm /8  $\frac{1}{4}$ "

with wooden handle



**Walb**

with wooden handle



$\frac{1}{1}$

**S-10-036-11**

26cm /10  $\frac{1}{4}$ "



110 mm

$\frac{1}{1}$

**S-10-036-14**

29cm /11  $\frac{1}{2}$ "



140 mm

$\frac{1}{1}$

**S-10-036-17**

31cm /12  $\frac{1}{4}$ "



170 mm

# Scalpel Handles



Fig. 18-36

**S-10-100-04**  
13.5cm / 15 1/4"  
No. 4  
solid



Fig. 10-36

**S-10-100-34**  
16cm / 16 1/4"  
No. 3 & 4  
solid, double ended



Fig. 18-36

**S-10-104-41**  
21cm / 8 1/4"  
No. 4L  
solid, long



Fig. 18-36





## Scalpel Handles



Fig. 10-17

**S-10-130-03**  
No. 3L  
12 cm / 4 <sup>3</sup>/<sub>4</sub>"  
solid,



Fig. 10-17

**S-10-130-04**  
No. 3L  
12 cm / 4 <sup>3</sup>/<sub>4</sub>"  
solid,  
handle style as no. 4



Fig. 10-17

**S-10-130-05**  
No. 3L  
12 cm / 4 <sup>3</sup>/<sub>4</sub>"  
solid, cm-graduation



Fig. 10-17

**S-10-133-31**  
No. 3L  
21.5 cm / 8 <sup>1</sup>/<sub>2</sub>"  
solid, long



Fig. 10-17

**S-10-133-35**  
No. 3L  
21 cm / 8 <sup>1</sup>/<sub>4</sub>"  
solid, angled, long

# Amputation Knives,



**S-10-500-16**

29 cm / 11  $\frac{1}{2}$ "  
with hollow handle



**S-10-500-19**

32.5 cm / 12  $\frac{3}{4}$ "  
with hollow handle



**Caltin**

**S-10-500-16**

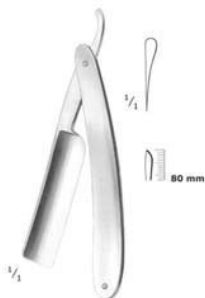
29 cm / 11  $\frac{1}{2}$ "  
with hollow handle



## Razor Knives



**S-10-800-00**  
hollow blades  
on both sides



**S-10-811-00**  
blade flat / hollow



**Record-Arkansas**  
**S-10-877-00**  
Sharpening stone  
150 x 50 mm  
in wooden case

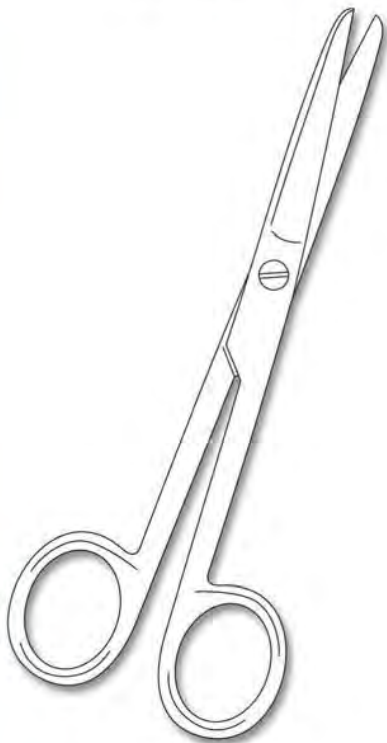


**Record-Arkansas**  
**S-10-877-00**  
Sharpening stone





## Scissors



# Operating Scissors



**S-11-100-11**  
12 cm / 5 <sup>1</sup>/<sub>4</sub>"



**S-11-100-13**  
13 cm / 5"



**S-11-100-14**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**S-11-100-16**  
16.5 cm / 6 <sup>1</sup>/<sub>2</sub>"



**S-11-100-18**  
18.5 cm / 7 <sup>1</sup>/<sub>4</sub>"



**S-11-100-20**  
20.5 cm / 8"





## Operating Scissors



**S-11-102-11**  
12 cm / 4  $\frac{3}{4}$ "



**S-11-102-13**  
13 cm / 5"



**S-11-102-14**  
14.5 cm / 5  $\frac{3}{4}$ "



**S-11-102-16**  
16.5 cm / 6  $\frac{1}{2}$ "



**S-11-102-18**  
18.5 cm / 7  $\frac{1}{4}$ "



**S-11-102-20**  
20.5 cm / 8"



**S-11-104-11**  
12 cm / 4 <sup>3</sup>/<sub>4</sub>"



**S-11-104-13**  
13 cm / 5"



**S-11-104-14**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**S-11-104-16**  
16.5 cm / 6 <sup>1</sup>/<sub>2</sub>"



## Operating Scissors



**S-11-105-11**  
12 cm / 4  $\frac{3}{4}$ "



**S-11-105-13**  
13 cm / 5"



**S-11-105-14**  
14.5 cm / 5  $\frac{3}{4}$ "



**S-11-105-16**  
16.5 cm / 6  $\frac{1}{2}$ "



**S-11-105-18**  
18.5 cm / 7  $\frac{1}{4}$ "



**S-11-105-20**  
20.5 cm / 8"

# Operating Scissors



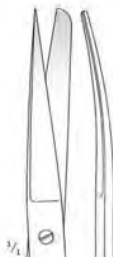
**S-11-107-11**  
12 cm / 4 <sup>3</sup>/<sub>4</sub>"



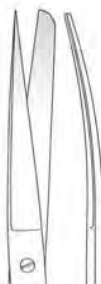
**S-11-107-13**  
13 cm / 5"



**S-11-107-14**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**S-11-107-16**  
16.5 cm / 6 <sup>1</sup>/<sub>2</sub>"



**S-11-107-18**  
18.5 cm / 7 <sup>1</sup>/<sub>4</sub>"



**S-11-107-20**  
20.5 cm / 8"



## Operating Scissors



**S-11-109-11**  
12 cm / 4  $\frac{3}{4}$ "



**S-11-109-13**  
13 cm / 5"



**S-11-109-14**  
14.5 cm / 5  $\frac{3}{4}$ "



**S-11-109-16**  
16.5 cm / 6  $\frac{1}{2}$ "

# Operating Scissors



**S-11-120-14**  
14,5 cm / 5 3/4"



**S-11-122-14**  
14,5 cm / 5 3/4"



**S-11-124-14**  
14,5 cm / 5 3/4"



**S-11-125-14**  
14,5 cm / 5 3/4"



**S-11-127-14**  
14,5 cm / 5 3/4"



**S-11-129-14**  
14,5 cm / 5 3/4"





## Operating Scissors



**S-11-136-14**  
14.5 cm / 5 3/4"

Incision scissors



Deaver

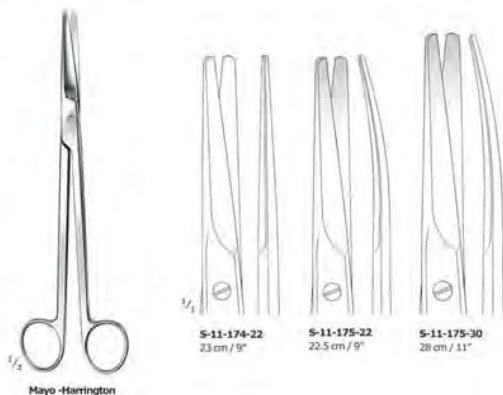
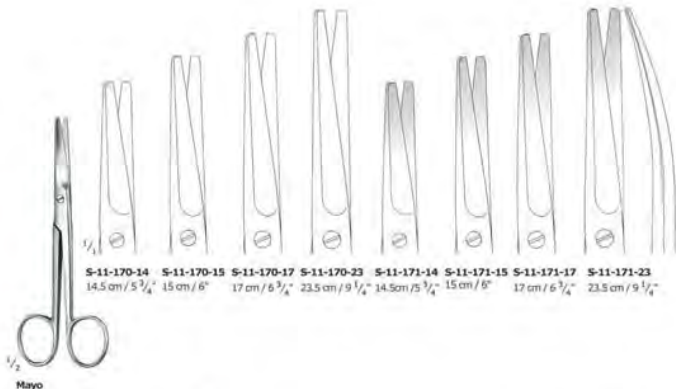


**S-11-140-14**  
14 cm / 5 1/2"



**S-11-141-14**  
14 cm / 5 1/2"

# Dissecting Scissors





## Dissecting Scissors



**S-11-180-15**  
15 cm / 6"



**S-11-180-17**  
17 cm / 6 3/4"



**Mayo-Stille**



**S-11-181-15**  
15 cm / 6"



**S-11-181-17**  
17 cm / 6 3/4"

# Dissecting Scissors



**S-11-184-16**  
16 cm / 6 1/4"



**S-11-184-19**  
19.5 cm / 7 3/4"



**S-11-184-21**  
21.5 cm / 8 1/2"



**Mayo-Stille**



**S-11-185-16**  
16 cm / 6 1/4"



**S-11-185-19**  
19.5 cm / 7 3/4"



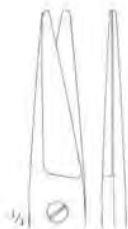
**S-11-185-21**  
21.5 cm / 8 1/2"



## Dissecting Scissors



**Mayo-Noble**  
16.5 cm / 6 1/2"



**S-11-190-17**



**S-11-191-17**

# Gynecological Scissors



1/2

**Sims**



**S-11-200-20**  
20 cm / 8"



**S-11-200-23**  
23 cm / 9"



**S-11-203-20**  
20 cm / 8"



**S-11-203-23**  
23 cm / 9"



1/2

**Doyen**

18,5 cm / 7 1/4"



**S-11-230-17**



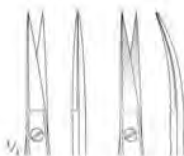
**S-11-231-17**



## Operating Scissors, Dissecting Scissors



**Kelly**  
19 cm / 6  $\frac{1}{4}$ "



S-11-226-16

S-11-227-16



**Metzenbaum**  
11.5 cm / 4  $\frac{1}{4}$ "

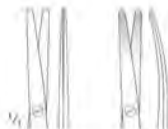


S-11-248-11

S-11-249-11



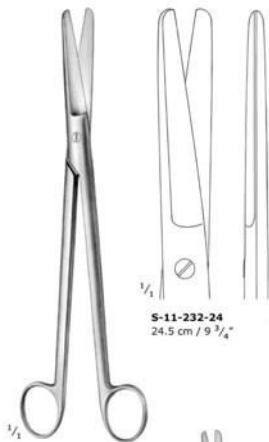
**Metzenbaum**  
15 cm / 6"



S-11-264-15

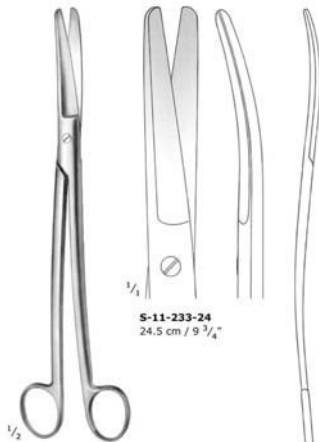
S-11-265-15

# Gynecological Scissors



**S-11-232-24**  
24.5 cm / 9 3/4"

**Sims-Siebold**



**S-11-233-24**  
24.5 cm / 9 3/4"

**Sims-Siebold**



**Wertheim**



**S-11-235-20**  
20 cm / 8"



**S-11-235-23**  
23 cm / 9"

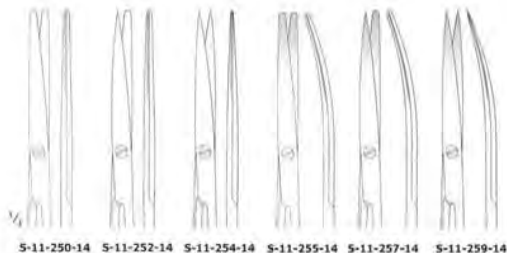




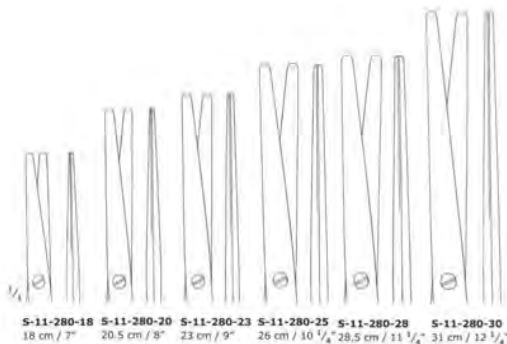
## Dissecting Scissors



**Metzenbaum**  
14,5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**Metzenbaum-Nelson**



## Dissecting Scissors



Metzenbaum-Nelson



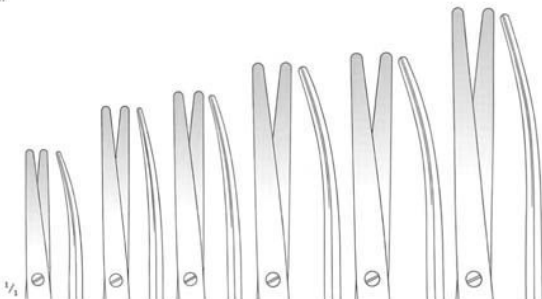
**S-11-284-18**  
18 cm / 7"



**S-11-284-20**  
20.5 cm / 8"



Metzenbaum-Nelson



**S-11-285-18**  
18 cm / 7"

**S-11-285-20**  
20.5 cm / 8"

**S-11-285-23**  
23 cm / 9"

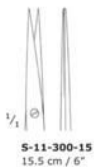
**S-11-285-25**  
26 cm / 10 1/4"

**S-11-285-28**  
28.5 cm / 11 1/4"

**S-11-285-30**  
31 cm / 12 1/4"



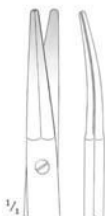
## Dissecting Scissors



# Face-lift Scissors



**Kaye**



**S-11-305-00**  
18.5 cm / 7 3/4"

**Toothed**



**Aston**



**S-11-308-17**  
17 cm / 6 3/4"

**Toothed**



**Gorney**



**S-11-306-12**  
12.5 cm / 5"

**Toothed**



**S-11-306-19**  
19.5 cm / 7 3/4"



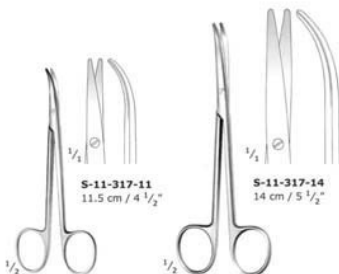
**S-11-307-19**  
19.5 cm / 7 3/4"



## Dissecting Scissors, Nasal Scissors



**Lexer**  
16 cm / 6  $\frac{3}{4}$ "



**Cinelli**

**Fomon**



**Thorek**

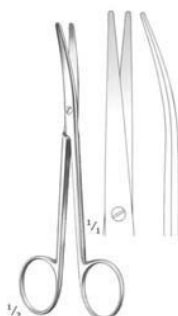


**Lexer-Baby**  
10 cm / 4"

# Delicate Dissecting Scissors



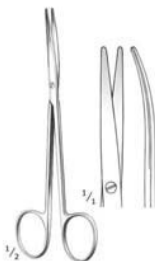
**Lexer-Fino**  
**S-11-324-16**  
 16.5 cm / 6 1/2"  
 Slender Pattern



**Lexer-Fino**  
**S-11-325-16**  
 16.5 cm / 6 1/2"  
 Slender Pattern



**Metzenbaum-Fino**  
**S-11-326-14**  
 14.5 cm / 5 3/4"  
 Slender Pattern



**Metzenbaum-Fino**  
**S-11-327-14**  
 14.5 cm / 5 3/4"  
 Slender Pattern



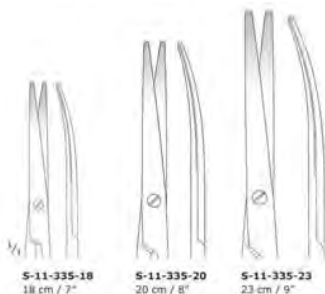
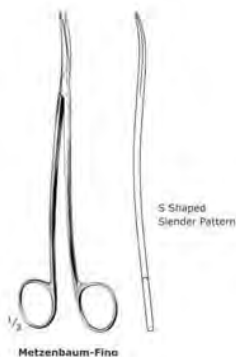
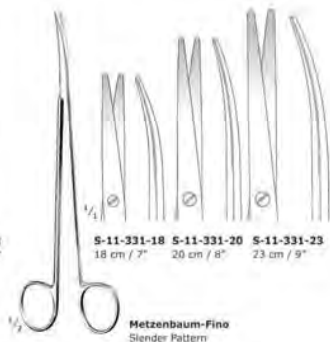
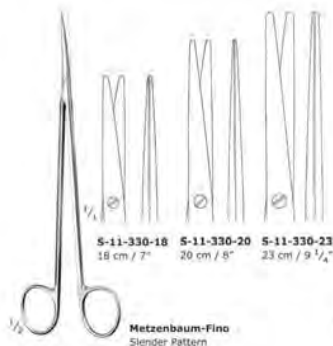
**Metzenbaum-Fino**  
**S-11-328-14**  
 14.5 cm / 5 3/4"  
 Slender Pattern



**Metzenbaum-Fino**  
**S-11-329-14**  
 14.5 cm / 5 3/4"  
 Slender Pattern



## Delicate Dissecting Scissors



# Dissecting Scissors, Operating Scissors



**Salyer  
for Cleft Palate**



**S-11-339-12**  
12.5 cm / 5"  
Fine Pattern



**S-11-339-18**  
18 cm / 7"  
Fine Pattern



**Sanvenero  
S-11-340-14**  
14 cm / 5 1/2"



**Sanvenero  
S-11-341-14**  
14 cm / 5 1/2"



**S-11-344-11**  
11.5 cm / 4 1/2"



**S-11-345-11**  
11.5 cm / 4 1/2"



**Joseph**



**S-11-350-14**  
14.5 cm / 5 3/4"



**S-11-351-14**  
14.5 cm / 5 3/4"

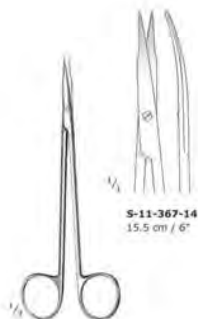




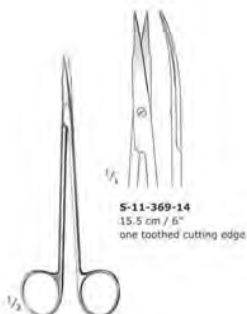
## Dissecting Scissor



Reynolds



Jameson



Jameson

# Nasal Scissors



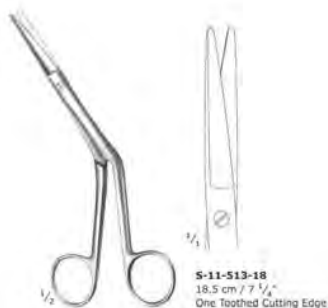
**S-11-509-16**  
16 cm / 6 1/4"

Cottle



**S-11-511-18**  
18.5 cm / 7 1/4"

Heymann



**S-11-513-18**  
18.5 cm / 7 1/4"  
One Toothed Cutting Edge

Heymann



## Nasal Scissors, Episiotomy Scissors



Converse



**S-11-517-11**  
10.5 cm / 4 1/8"  
Blunt



**S-11-519-11**  
10.5 cm / 4 1/8"  
Sharp



**S-11-531-18**  
18 cm / 7"  
One toothed  
Cutting edge  
Sharp



Waldmann



Braun-Stdaler



**S-11-535-14**  
14.5 cm / 5 3/4"



Braun-Stdaler



**S-11-537-22**  
22 cm / 8 3/4"

# Umbilical Scissors



**Modell USA**  
**S-11-545-10**  
 10.5 cm / 4 1/8"



**Schuhmacher**  
**S-11-547-16**  
 16 cm / 6 1/4"



**Busch**  
**S-11-551-16**  
 16 cm / 6 1/4"



**Busch**  
**S-11-553-16**  
 16 cm / 6 1/4"



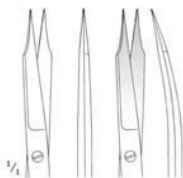
One Toothed  
 Cutting Edge



## Gum Scissors, Operating Scissors



**Goldmann-Fox**



**S-11-566-13**

13 cm / 5"

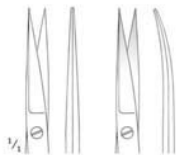
One toothed cutting edge

**S-11-567-13**

13 cm / 5"



**Wagner**



**S-11-570-12**

12 cm / 4 3/4"

**S-11-571-12**

12 cm / 4 3/4"



**S-11-582-12**

12 cm / 4 3/4"

Small Model



**S-11-584-12**

12 cm / 4 3/4"

Small Model



**S-11-587-12**

12 cm / 4 3/4"

Small Model



**S-11-589-12**

12 cm / 4 3/4"

Small Model

# Iris Scissors



**S-11-620-09**  
9 cm / 3 1/2"



**S-11-620-10**  
10 cm / 4"



**S-11-621-09**  
9 cm / 3 1/2"



**S-11-621-10**  
10 cm / 4"



**S-11-622-10**  
10 cm / 4"

Extra Flat Blades



**S-11-624-09**  
9 cm / 3 1/2"

Bonn



**S-11-625-09**  
9 cm / 3 1/2"

Bonn



## Iris Scissors, Tendon Scissors



11.5 cm / 4 1/4"



S-11-630-11



S-11-631-11



S-11-633-11



S-11-635-11



12.5 cm / 5"



S-11-640-12



S-11-641-12



**Stevens**  
11 cm / 4 1/4"



**S-11-680-11**  
Sharp



**S-11-681-11**  
Sharp



**S-11-682-11**  
Blunt



**S-11-683-11**  
Blunt

# Strabismus Scissors



11.5 cm / 4 1/2"



S-11-690-11



S-11-691-11



S-11-705-11  
11.5 cm / 4 1/2"  
Enucleation Scissors



Westcott  
11.5 cm / 4 1/2"



S-11-740-11



S-11-741-11





## Micro Scissors, Micro Dissecting Scissors



**S-11-755-11**  
12 cm / 4 3/4"



**S-11-756-12**  
12 cm / 4 3/4"

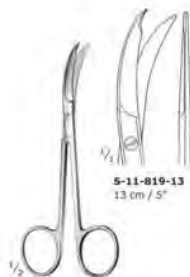


**S-11-760-09**  
10 cm / 4"



**S-11-761-09**  
10 cm / 4"

# Stitch Scissors



**S-11-819-13**  
13 cm / 5"

**Northbent**



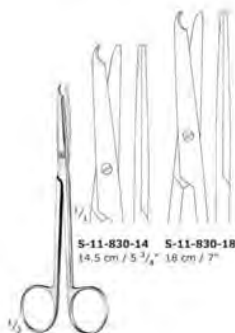
**S-11-824-09**  
9 cm / 3 1/2"

**Spencer**



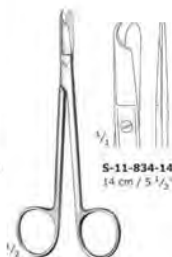
**S-11-826-13**  
13 cm / 5"

**Spencer**



**S-11-830-14** **S-11-830-18**  
14.5 cm / 5 3/4" 18 cm / 7"

**Buck**



**S-11-834-14**  
14 cm / 5 1/2"

**Littauer**



**S-11-840-12**  
12 cm / 4 3/4"

**Eiselsberg**



## Wire Cutting Scissors



**Universal**  
12 cm / 4 3/4"



**S-11-865-12**  
Toothed



**Beebee**  
10.5 cm / 4 1/4"



**S-11-874-10**



**S-11-875-10**



**S-11-878-12**  
one toothed  
cutting edge



**S-11-879-12**  
one toothed  
cutting edge

# Highmed Dissecting Scissors



**Metzenbaum**

$\frac{1}{1}$

**S-11-881-18**  
18 cm / 7"

**S-11-881-20**  
20 cm / 8"

**S-11-881-23**  
23 cm / 9"

with special cutting edge



**Metzenbaum**

$\frac{1}{1}$

**S-11-883-14**  
14.5 cm / 5  $\frac{3}{4}$ "

**S-11-883-18**  
18 cm / 7"

with special cutting edge



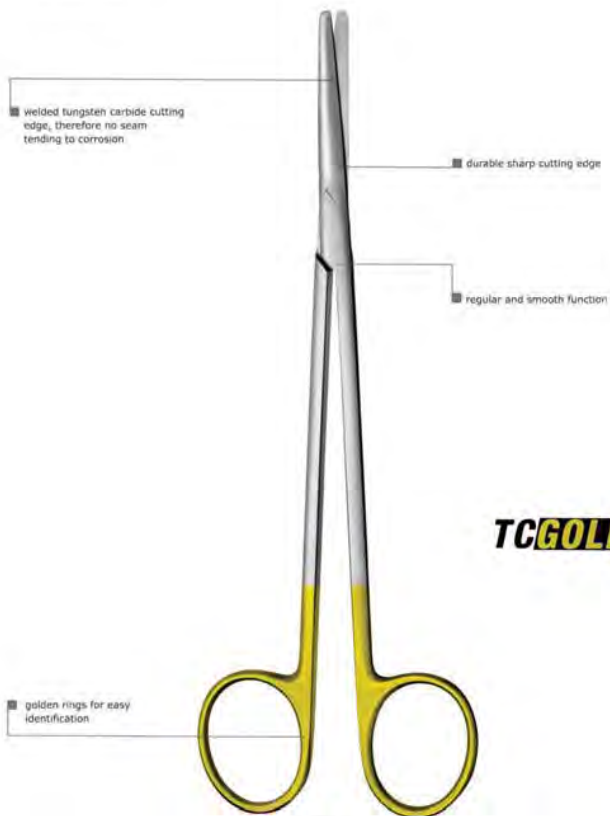
**Mayo-Lexer**  
16 cm / 6  $\frac{1}{4}$ "

$\frac{1}{1}$

**S-11-885-16**  
slender pattern  
with special  
cutting edge



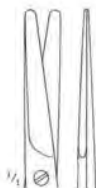
## TC-Gold Scissors with tungsten carbide inserts



# Operating Scissors



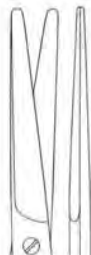
Mayo



**S-11-910-14**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**S-11-910-17**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



**S-11-910-23**  
23 cm / 9"



Mayo



**S-11-911-14**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**S-11-911-17**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



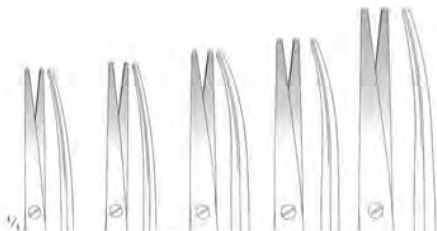
**S-11-911-23**  
23 cm / 9"



## Ligature Scissors



for synthetic suture material,  
one toothed cutting edge



**S-11-914-14**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"

**S-11-914-18**  
16 cm / 6"

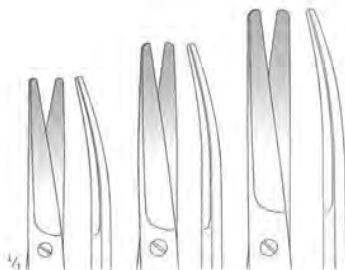
**S-11-914-20**  
20.5 cm / 8"

**S-11-914-23**  
23 cm / 9"

**S-11-914-25**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



for synthetic suture material, one toothed cutting edge



**S-11-915-14**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"

**S-11-915-17**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"

**S-11-915-23**  
23 cm / 9"

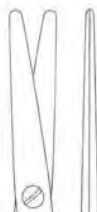
# Dissecting Scissors



Mayo-Stille



**S-11-930-15**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**S-11-930-17**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Mayo-Stille



**S-11-931-15**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**S-11-931-17**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"





## Dissecting Scissors



Metzenbaum



**S-11-936-11**  
11.5 cm / 4 1/2"



**S-11-938-14**  
14.5 cm / 5 3/4"



Metzenbaum



**S-11-937-11**  
11.5 cm / 4 1/2"

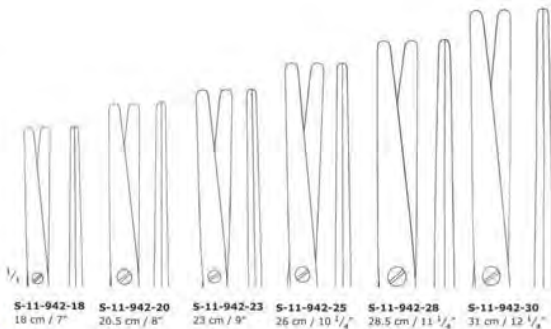


**S-11-939-14**  
14.5 cm / 5 3/4"

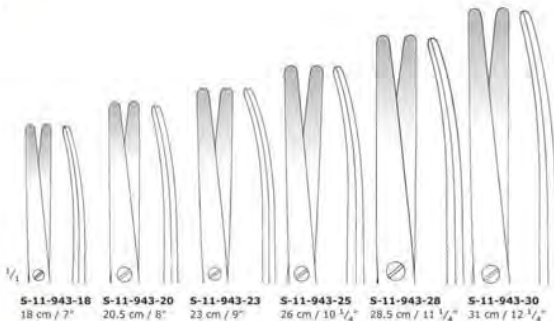
# Dissecting Scissors



Metzenbaum



Metzenbaum





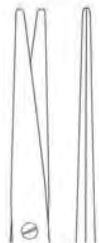
## Dissecting Scissors



**Lexer**



**S-11-950-16**  
16 cm / 6 1/4"



**S-11-950-21**  
21 cm / 8 1/4"



**Lexer**



**S-11-951-16**  
16 cm / 6 1/4"



**S-11-951-21**  
21 cm / 8 1/4"



**Mayo-Lexer**



**S-11-953-16**  
16 cm / 6 1/4"



**S-11-956-14**  
14.5 cm / 5 3/4"

**Metzenbaum-Fino**



**S-11-957-14**  
14.5 cm / 5 3/4"



**S-11-962-18**  
18 cm / 7"

**Metzenbaum-Fino**



**S-11-962-20**  
20 cm / 8"



**S-11-965-14**  
14.5 cm / 5 3/4"

**Metzenbaum-Lahey**  
Slender Pattern



**S-11-965-17**  
17.5 cm / 7"

**Toennis-Adson**  
Slender Pattern



**S-11-965-20**  
20.5 cm / 8"

**Metzenbaum-Lahey**  
Slender Pattern



**S-11-965-23**  
23 cm / 9"



## Dissecting Scissors, Face-lift Scissors



**Metzenbaum-Fino**



**S-11-967-18**  
18 cm / 7"



**S-11-967-20**  
20.5 cm / 8"



**S-11-967-23**  
23 cm / 9"

slender pattern



**Gorney**  
One Toothed Edge



**S-11-970-19**  
20 cm / 8"



**S-11-970-23**  
23 cm / 9"



**Rees**  
One Toothed Edge



**S-11-973-17**  
17 cm / 6 3/4"

# Uterine & Hysterectomy Scissors



**S-11-976-23**  
23 cm / 9"



**S-11-977-23**  
23 cm / 9"



**S-11-979-22**  
22.5 cm / 8 3/4"



**S-11-979-23**  
23 cm / 9"



## Gum Scissors, Iris Scissors



# Angled Scissors



DeBakey



**S-11-985-25**  
19 cm / 7 1/2"  
25°



**S-11-985-45**  
19.5 cm / 7 3/4"  
45°



**S-11-985-60**  
18 cm / 7"  
60°



**S-11-987-25**  
23 cm / 9"  
25°



**S-11-987-45**  
23 cm / 9"  
45°



**S-11-987-60**  
22 cm / 8 3/4"  
60°





## Tonsil Scissors, Gum Scissors



Universal



**S-11-995-12**  
12.5 cm / 5"  
Wire Cutting Scissors  
one toothed cutting edge



Dean



**S-11-994-17**  
17.5 cm / 7"  
one toothed cutting edge  
S-shaped



Locklin



**S-11-997-16**  
16 cm / 6 1/4"  
one toothed cutting edge



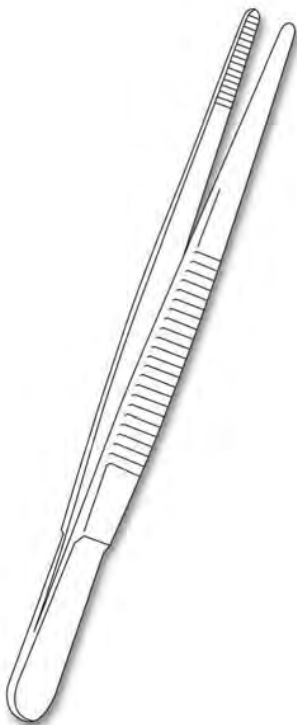
Locklin



**S-11-999-16**  
16 cm / 6 1/4"  
one toothed cutting edge

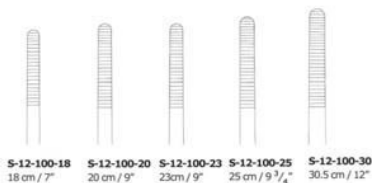
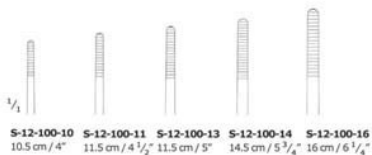


## Forceps

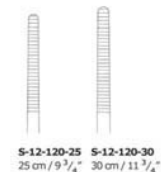
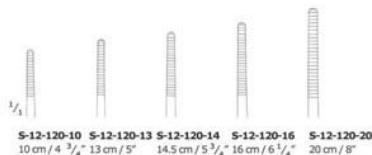




standard pattern

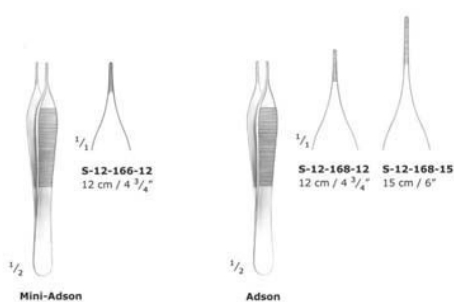
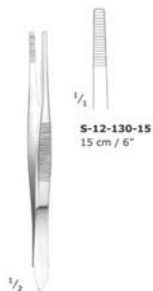
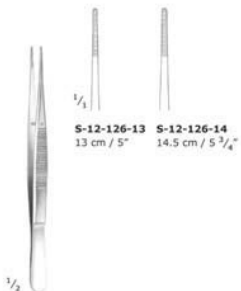


slender pattern





## Dressing Forceps



# Dressing Forceps



**Waugh**



**S-12-171-20**  
20 cm / 8"



**Semken**



**S-12-172-12**  
12.5 cm / 5"



**S-12-172-15**  
15 cm / 6"



**Taylor**



**S-12-174-17**  
17 cm / 6 3/4"



**Taylor**  
with Dissector end



**S-12-180-17**  
17 cm / 6 3/4"



**Taylor**  
with Dissector end



**S-12-183-17**  
18.5 cm / 7 1/4"



## Micro Dressing Forceps, Dressing Forceps



**S-12-184-06**  
15.5 cm / 6"  
Tips 0.6 mm



**S-12-184-08**  
15.5 cm / 6"  
Tips 0.8 mm



**S-12-184-10**  
15.5 cm / 6"  
Tips 1.0 mm



**S-12-186-18**  
17.5 cm / 7"



**S-12-187-18**  
17.5 cm / 7"

Gerald



**S-12-188-17**  
17.5 cm / 7"



**S-12-189-17**  
17.5 cm / 7"

Cushing



**S-12-192-18**  
18 cm / 7"



**S-12-192-21**  
21 cm / 8 1/4"



**S-12-192-25**  
24.5 cm / 9 3/4"

Potts Smith

# Dissecting Forceps, Dressing Forceps



**Bonney**



**S-12-230-17**  
17.5 cm / 7"



1:2

Normal Profile



**Gerald**



**S-12-234-17**  
17.5 cm / 7"



1:2

Normal Profile



**Gillies**



**S-12-236-15**  
15.5 cm / 6"



1:2

Mini Profile



**McIndoe**



**S-12-238-15**  
15 cm / 6"

Mini Profile



**Semken**



**S-12-240-16**  
15.5 cm / 6"



1:2

Normal Profile



**S-12-240-18**  
17.5 cm / 7"



1:2



**S-12-242-16**  
15.5 cm / 6"



1:2

Mini Profile



**S-12-242-18**  
17.5 cm / 7"

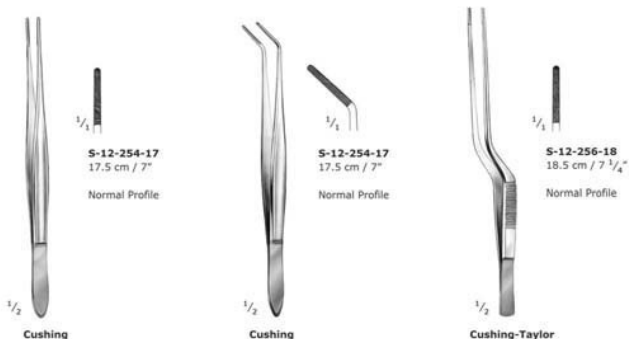
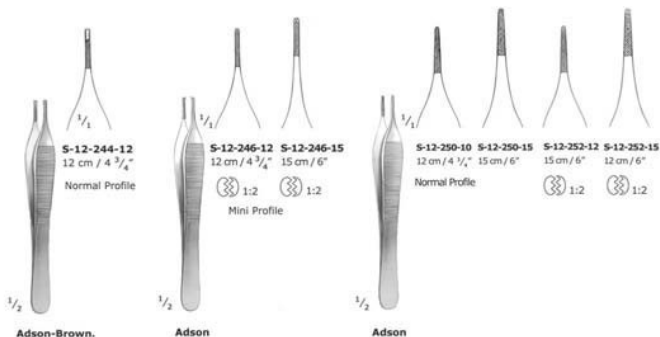


1:2





## Dissecting Forceps, Dressing Forceps



## Dressing Forceps, Dissecting Forceps



**Potts-Smith**



**S-12-258-15**  
16 cm / 6 1/4"



**S-12-258-18**  
18.5 cm / 7 1/4"



**S-12-258-20**  
20 cm / 8"



**S-12-258-23**  
23 cm / 9"



**S-12-258-25**  
25 cm / 9 3/4"

Normal Profile



**Oehler**



**S-12-260-14**  
14.5 cm / 5 3/4"



**S-12-260-16**  
16 cm / 6 1/4"



**S-12-260-18**  
18 cm / 7"



**S-12-260-20**  
20 cm / 8"



**S-12-260-25**  
25 cm / 9 3/4"



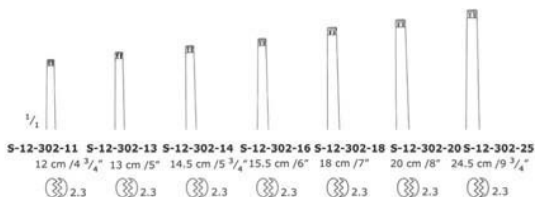
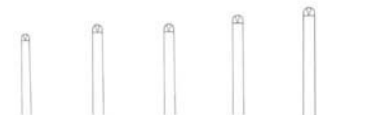
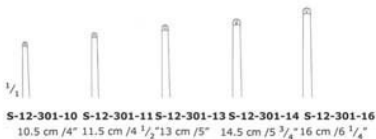
Normal Profile



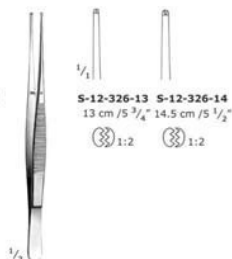
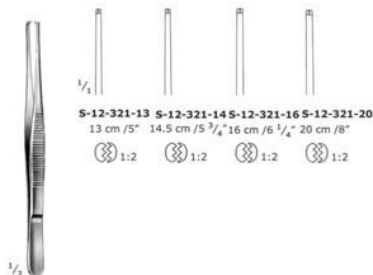
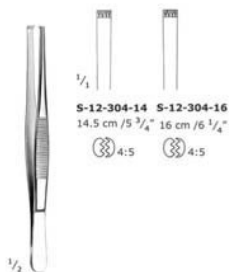
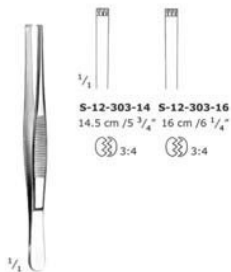
## Dissecting Forceps



Standard Pattern



# Dissecting Forceps



Slender Pattern



## Dissecting Forceps



Stille



**S-12-331-15**  
15 cm / 6"



Stille



**S-12-332-15**  
15 cm / 6"



Stone



**S-12-364-15**  
15 cm / 6"



Lerche



**S-12-365-15**  
15 cm / 6"



1/2

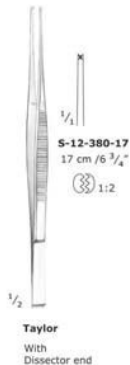
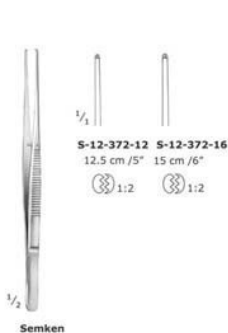
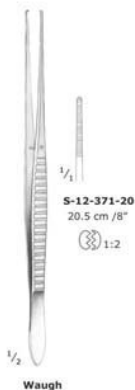
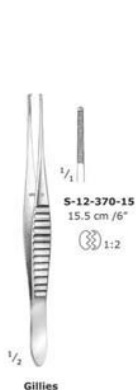
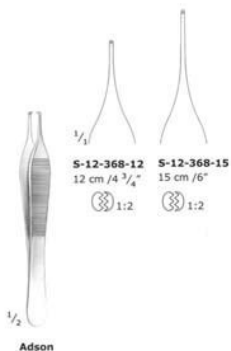


**S-12-366-15 S-12-366-20 S-12-367-15 S-12-367-20 S-12-367-25**

15.5 cm / 6" 20.5 cm / 8" 16 cm / 6 1/4" 20 cm / 8" 25 cm / 9 3/4"



# Dissecting Forceps

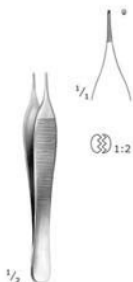




## Dissecting Forceps



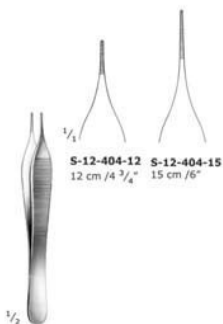
**Adson-Brown**  
**S-12-400-12**  
12 cm / 5"



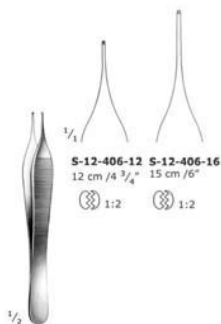
**Mini-Adson**  
**S-12-402-12**  
12 cm / 4 3/4"



**Mini-Adson**  
**S-12-403-12**  
12 cm / 4 3/4"

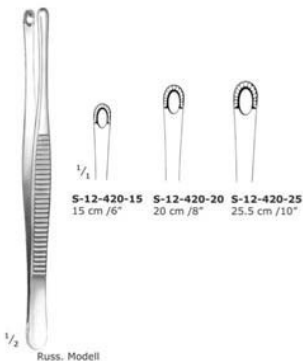
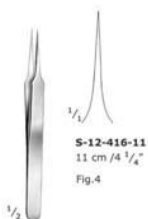
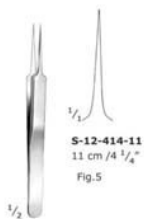
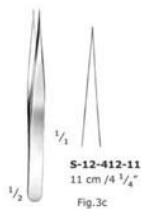
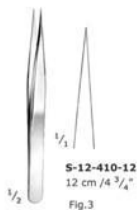
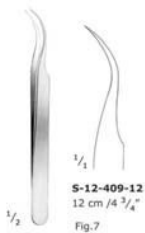


**Mikro-Adson**  
**Dressing Forceps**



**Mikro-Adson**

# Dissecting Forceps, Jeweller Type Forceps







## Splinter Forceps



**S-12-640-10** 10.5 cm / 4"  
**S-12-641-10** 10.5 cm / 4"

Hunter



**S-12-657-10**  
10 cm / 4"

Microscopics Forceps  
Super Light, Blunt



**S-12-659-10**  
10 cm / 4"

Microscopics Forceps  
Super Light, Blunt



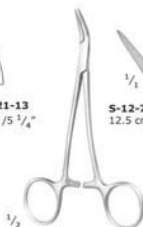
**S-12-720-13**  
14 cm / 5 1/2"

Stieglitz



**S-12-721-13**  
13.5 cm / 5 1/4"

Peet



**S-12-725-11**  
12.5 cm / 5"

Ralk



**S-12-740-15**  
15 cm / 6"



**S-12-741-15**  
15 cm / 6"



## Artery Forceps



# Clip Applying Forceps, Vessel Clips Bulldog Clamps



S-13-052-04 -  
S-13-060-04



S-13-052-04 -  
S-13-060-04

**S-13-050-14**  
14.5 cm / 5 3/4"

Without Lock

**S-13-051-14**  
14.5 cm / 5 3/4"

With Lock



**S-13-110-06**  
6 cm / 2 1/4"



**S-13-111-06**  
6 cm / 2 1/4"



**S-13-114-03**  
3.5 cm / 1 1/2"



**S-13-114-05**  
5 cm / 2"



**S-13-115-03**  
3.5 cm / 1 3/2"



**S-13-115-05**  
5 cm / 2"

Dieffenbach



Johns-Hopkins



**S-13-119-05**  
5 cm / 2"



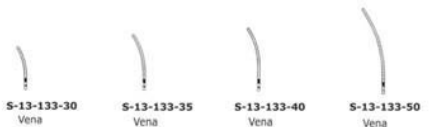
**S-13-119-06**  
6 cm / 2 3/4"



**S-13-119-07**  
7 cm / 2 3/4"



## Bulldog Clamps



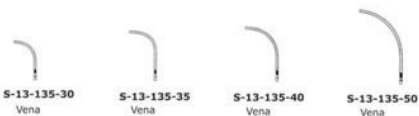
Closing Pressure	110 +/- 10 gr.	110 +/- 10 gr.	110 +/- 10 gr.	110 +/- 10 gr.
------------------	----------------	----------------	----------------	----------------



Closing Pressure	220 +/- 10 gr.	220 +/- 10 gr.	220 +/- 10 gr.	220 +/- 10 gr.
------------------	----------------	----------------	----------------	----------------

Jaw Length	30 mm	35 mm	40 mm	50 mm
	9 mm	13 mm	14 mm	22 mm

Weight	1 gr.	1 gr.	1 gr.	1,5 gr.
--------	-------	-------	-------	---------



Closing Pressure	110 +/- 10 gr.	110 +/- 10 gr.	110 +/- 10 gr.	110 +/- 10 gr.
------------------	----------------	----------------	----------------	----------------



Closing Pressure	220 +/- 10 gr.	220 +/- 10 gr.	220 +/- 10 gr.	220 +/- 10 gr.
------------------	----------------	----------------	----------------	----------------

Jaw Length	30 mm	35 mm	40 mm	50 mm
	10 mm	14 mm	15 mm	21 mm

Weight	1 gr.	1 gr.	1 gr.	1,5 gr.
--------	-------	-------	-------	---------



# Haemostatic Forceps



Pean



**S-13-176-14**  
14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"



**S-13-176-16**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



Spencer-Wells



**S-13-248-13**  
13 cm / 5"



**S-13-248-14**  
14 cm / 5 <sup>1</sup>/<sub>2</sub>"



**S-13-248-15**  
15.5 cm / 6"



**S-13-248-18**  
18.5 cm / 7 <sup>1</sup>/<sub>4</sub>"



**S-13-248-20**  
20 cm / 8"



**S-13-249-13**  
13 cm / 5"



**S-13-249-14**  
14 cm / 5 <sup>1</sup>/<sub>2</sub>"



**S-13-249-15**  
15 cm / 6"



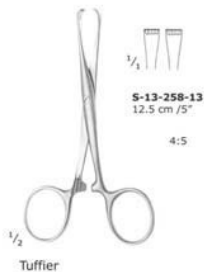
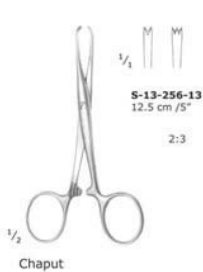
**S-13-249-18**  
18 cm / 7"



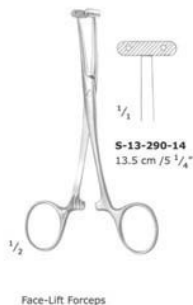
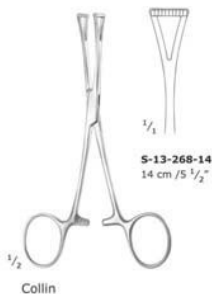
**S-13-249-20**  
20 cm / 8"



## Haemostatic Forceps, Organ Grasping Forceps



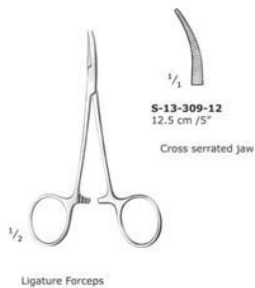
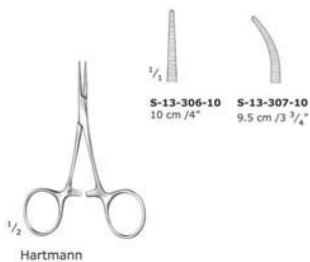
# Organ Grasping Forceps, aemostatic Forceps,







## Dissecting and Ligature Forceps



# Haemostatic Forceps



Halsted-Mosquito



**S-13-310-12**  
12.5 cm / 52"



**S-13-310-14**  
14.5 cm / 5 3/4"



**S-13-311-12**  
12 cm / 4 1/4"



**S-13-311-14**  
14 cm / 5 1/2"



**S-13-312-12**  
12.5 cm / 5"



**S-13-312-14**  
14.5 cm / 5 3/4"



**S-13-313-12**  
12 cm / 4 3/4"



**S-13-313-14**  
14 cm / 5 1/2"



1:2



1:2



1:2



1:2



Halsted-Mosquito



**S-13-310-62**  
12.5 cm / 5"



**S-13-311-62**  
12 cm / 4 3/4"



**S-13-312-62**  
12 cm / 4 3/4"



**S-13-313-62**  
12 cm / 4 3/4"



1:2



1:2



## Haemostatic Forceps



Halsted-Mosquito



**S-13-316-18**  
18.5 cm / 7 1/4"



**S-13-317-18**  
18 cm / 7"



**S-13-318-18**  
18.5 cm / 7 1/4"



1:2



**S-13-319-18**  
18 cm / 7"



1:2



**S-13-316-21**  
21 cm / 8 1/4"



**S-13-317-21**  
20.5 cm / 7"



**S-13-318-21**  
21 cm / 8 1/4"



1:2



**S-13-319-21**  
20.5 cm / 8"



1:2



Mikro-Mosquito



**S-13-320-10**  
10 cm / 4"



**S-13-320-12**  
12 cm / 4 3/4"



**S-13-321-10**  
9.5 cm / 3 3/4"



**S-13-321-12**  
11.5 cm / 4 1/2"



**S-13-322-10**  
10 cm / 4"



**S-13-322-12**  
12 cm / 4 3/4"



**S-13-323-10**  
10 cm / 4"



**S-13-323-12**  
12 cm / 4 3/4"



1:2



1:2



1:2



1:2

# Haemostatic Forceps



$\frac{1}{2}$

Providence-Hospital



$\frac{1}{4}$

**S-13-324-14**  
14 cm / 5  $\frac{1}{2}$ "



**S-13-325-14**  
14 cm / 5  $\frac{1}{2}$ "



$\frac{1}{2}$

Leriche



$\frac{1}{4}$

**S-13-326-15**  
15.5 cm / 6"



**S-13-327-15**  
15 cm / 6"



**S-13-328-15**  
15.5 cm / 6"



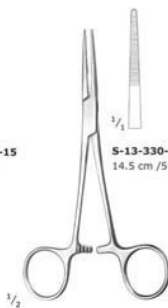
**S-13-329-15**  
15 cm / 6"



1:2



1:2



$\frac{1}{2}$

Kelly



$\frac{1}{4}$

**S-13-330-14**  
14.5 cm / 5  $\frac{3}{4}$ "



**S-13-331-14**  
14 cm / 5  $\frac{1}{2}$ "



## Haemostatic Forceps



$\frac{1}{2}$

Kelly



$\frac{1}{4}$

**S-13-330-64**  
14.5 cm / 5  $\frac{3}{4}$ "



**S-13-331-64**  
14 cm / 5  $\frac{1}{2}$ "



$\frac{1}{2}$

Crile



$\frac{1}{4}$

**S-13-340-64**  
14.5 cm / 5  $\frac{3}{4}$ "

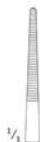


**S-13-341-64**  
14 cm / 5  $\frac{1}{2}$ "

# Haemostatic Forceps, Dissecting and Ligature Forceps



Kelly-Rankin



**S-13-334-16**  
16 cm / 6 1/4"



**S-13-335-16**  
15.5 cm / 6"



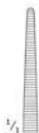
Overholt-Baby



**S-13-339-14**  
14 cm / 5 1/2"



Crile



**S-13-340-14**  
14.5 cm / 5 3/4"



**S-13-341-14**  
14 cm / 5 1/2"



**S-13-342-14**  
20.5 cm / 8"



**S-13-343-14**  
20.5 cm / 8"



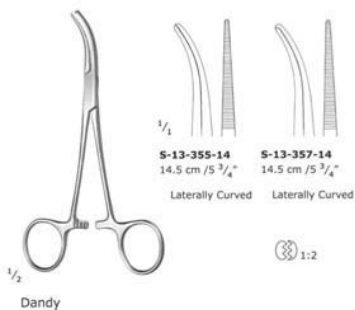
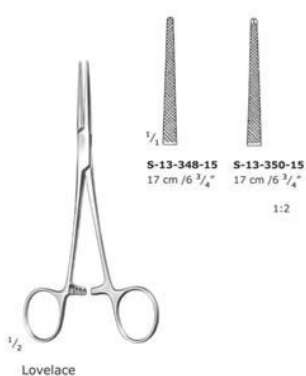
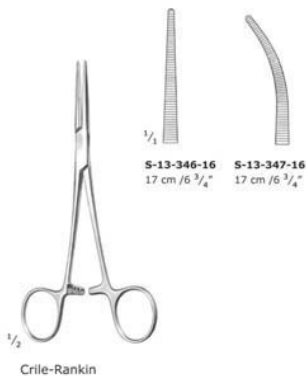
1:2



1:2



## Haemostatic Forceps

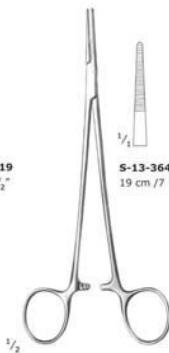


# Dissecting and Ligature Forceps, Haemostatic Forceps



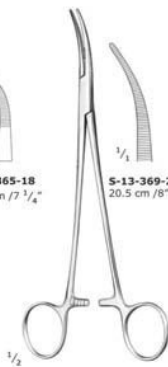
Schnidt

**S-13-363-18** **S-13-363-19**  
18.5 cm / 7 1/4" 19 cm / 7 1/2"



Adson

**S-13-364-18** **S-13-365-18**  
19 cm / 7 1/2" 18.5 cm / 7 1/4"



Martin-Fuchsig

**S-13-369-20**  
20.5 cm / 8"



Rochester-Carmalt



**S-13-370-16** **S-13-370-20** **S-13-371-16** **S-13-371-20**  
17 cm / 6 3/4" 20.5 cm / 8" 16.5 cm / 6 1/2" 20 cm / 8"

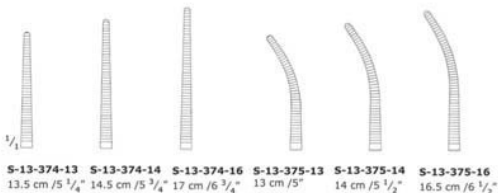




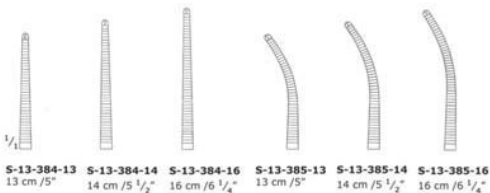
## Haemostatic Forceps



Pean



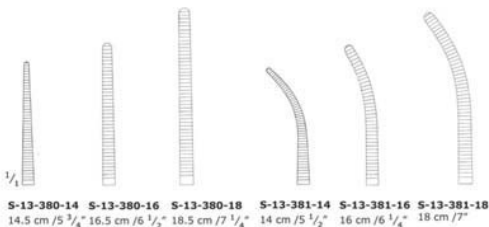
Kocher



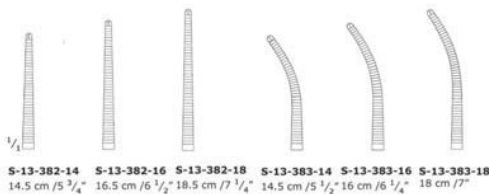
# Haemostatic Forceps



Pean-Nippon



Kocher-Nippon





## Haemostatic Forceps



Bengolea



**S-13-390-20**  
21.5 cm / 8 1/2"



**S-13-391-20**  
21 cm / 8 1/4"



**S-13-392-20**  
21.5 cm / 8 1/2"



1:2



**S-13-393-20**  
21 cm / 8 1/4"



1:2



**S-13-390-26**  
26 cm / 10 1/4"



**S-13-391-26**  
25.5 cm / 10"



**S-13-392-26**  
26 cm / 10 1/4"



1:2

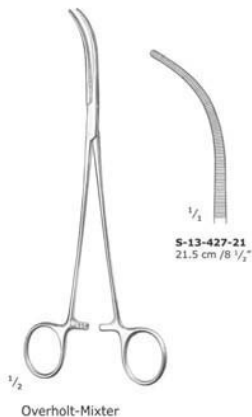
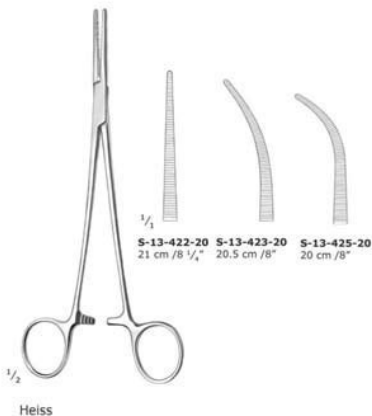


**S-13-393-26**  
25.5 cm / 10"



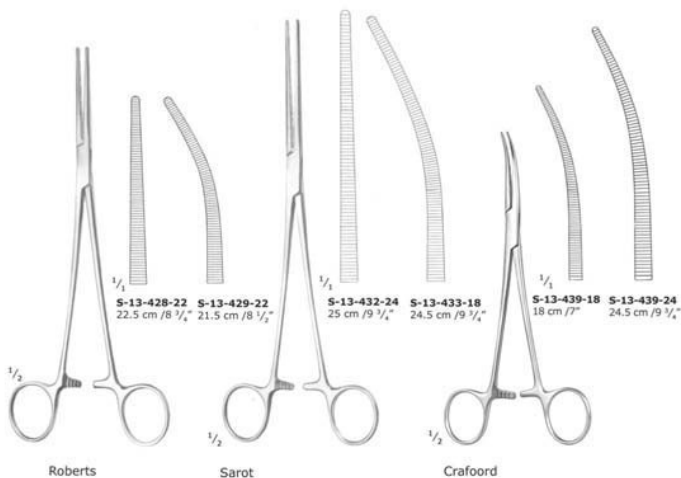
1:2

# Dissecting and Ligature Forceps





## Dissecting and Ligature Forceps



# Dissecting and Ligature Forceps



**S-13-461-01**  
24 cm / 9 1/2"



**S-13-461-02**  
23.5 cm / 9 1/4"



**S-13-461-03**  
23 cm / 9"



**S-13-461-04**  
24 cm / 9 1/2"



**S-13-461-05**  
23.5 cm / 9 1/4"



## Dissecting and Ligature Forceps



Zenker



**S-13-469-01**  
29.5 cm / 11 1/2"



**S-13-469-02**  
28.5 cm / 11 1/4"



Zenker

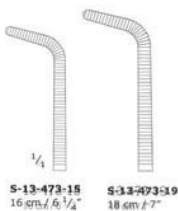


**S-13-471-14**  
13.5 cm / 5 1/4"

# Dissecting and Ligature Forceps



Mixer



Mixer-O'Shaughnessy



Mixer

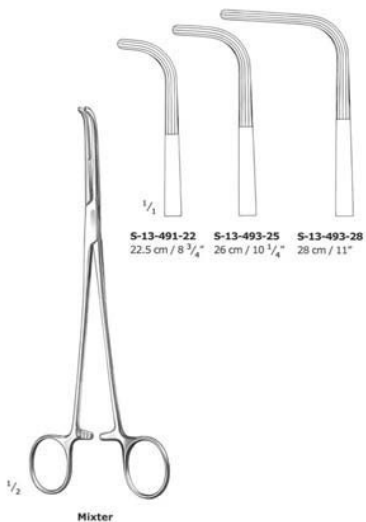
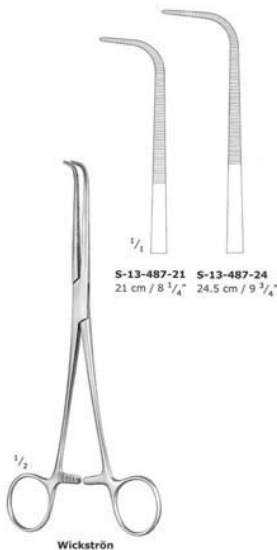


Mixer





## Dissecting and Ligature Forceps



# Dissecting and Ligature Forceps, Bile Duct Clamps



**S-13-497-22**  
23.5 cm / 9 1/4"

**Mc Quigg-Mixer**



**S-13-501-18**  
18.5 cm / 7 1/4"

**Lower**



**S-13-511-19**  
19.5 cm / 7 3/4"

**S-13-513-23**  
22.5 cm / 8 3/4"

**Lahey**



## Dissecting and Ligature Forceps, Tangential Forceps



## Kidney Pedicle Clamps



**S-13-529-23**  
23 cm / 9"

$\frac{1}{4}$



**S-13-529-24**  
24 cm / 9 1/2"

$\frac{1}{4}$



**S-13-533-23**  
24 cm / 9 1/2"

$\frac{1}{4}$

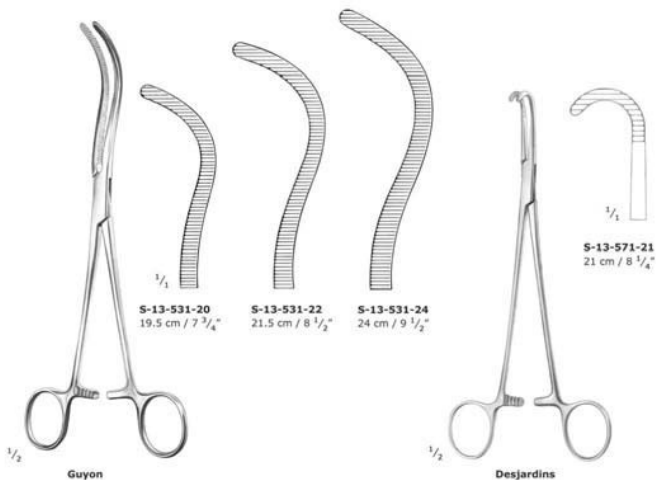


Guyon

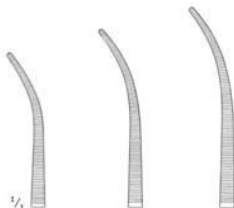
$\frac{1}{2}$



## Kidney Pedicle Clamps, Bile Duct Clamps



# Dissecting and Ligature Forceps



**S-13-577-19**

Fig. 1

19.5 cm / 7 <sup>3</sup>/<sub>4</sub>"

**S-13-577-22**

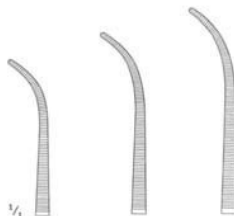
Fig. 1

22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"

**S-13-577-24**

Fig. 1

24.5 cm / 9 <sup>3</sup>/<sub>4</sub>"



**S-13-579-19**

Fig. 2

19.5 cm / 7 <sup>1</sup>/<sub>2</sub>"

**S-13-579-22**

Fig. 2

22 cm / 8 <sup>3</sup>/<sub>4</sub>"

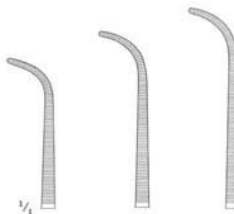
**S-13-579-24**

Fig. 2

24 cm / 9 <sup>1</sup>/<sub>2</sub>"



**Kelly**



**S-13-581-19**

Fig. 3

18.5 cm / 7 <sup>1</sup>/<sub>4</sub>"

**S-13-581-22**

Fig. 3

21.5 cm / 8 <sup>1</sup>/<sub>2</sub>"

**S-13-581-24**

Fig. 3

23.5 cm / 9 <sup>1</sup>/<sub>4</sub>"



## Dissecting and Ligature Forceps & Haemostatic Forceps



**S-13-583-28**  
28 cm / 11"

Lawrence



**S-13-585-28**  
28 cm / 11"

Meeker



**S-13-595-19**  
Fig. 1  
19.5 cm / 7 3/4"



**S-13-597-19**  
Fig. 2  
20 cm / 8"



Negus

# Hysterectomy Forceps & Vaginal Clamp



**S-13-613-19**  
Fig. 1  
19.5 cm / 7  $\frac{3}{4}$ "



**S-13-613-21**  
Fig. 1  
21.5 cm / 8  $\frac{1}{2}$ "



**S-13-613-23**  
Fig. 1  
24 cm / 9  $\frac{1}{2}$ "



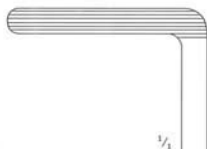
**S-13-615-19**  
Fig. 2  
19.5 cm / 7  $\frac{3}{4}$ "



**S-13-615-21**  
Fig. 2  
21.5 cm / 8  $\frac{1}{2}$ "



**S-13-615-23**  
Fig. 2  
24 cm / 9  $\frac{1}{2}$ "



**S-13-625-21**  
21 cm / 8  $\frac{1}{4}$ "





## Hysterecctomy Forceps



**S-13-635-10**  
Fig. 1  
21.5 cm / 8 1/2"



**S-13-635-20**  
Fig. 2  
21 cm / 8 1/4"



**S-13-635-30**  
Fig. 3  
20.5 cm / 8"



**S-13-635-40**  
Fig. 4  
20 cm / 8"



**S-13-637-10**  
Fig. 1  
25.5 cm / 10"

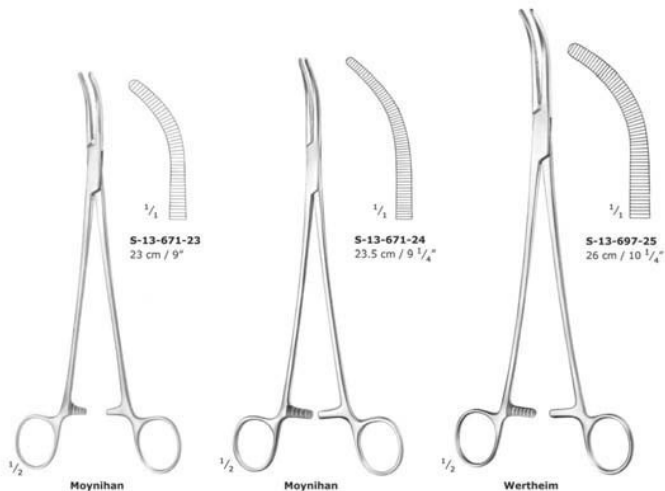


**S-13-637-20**  
Fig. 2  
25 cm / 9 3/4"



**S-13-637-30**  
Fig. 3  
24.5 cm / 9 3/4"

# Hysterectomy Forceps





## Hysterectomy Forceps, Peritoneum Forceps



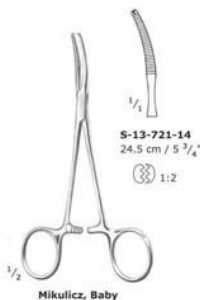
**S-13-717-22**  
22.5 cm / 8  $\frac{3}{4}$ "

 1:2  
Slightly Curved



**S-13-719-23**  
22.5 cm / 8  $\frac{3}{4}$ "

 1:2  
More Curved



**S-13-721-14**  
24.5 cm / 9  $\frac{3}{4}$ "

 1:2



**S-13-725-18**  
18.5 cm / 7  $\frac{1}{4}$ "

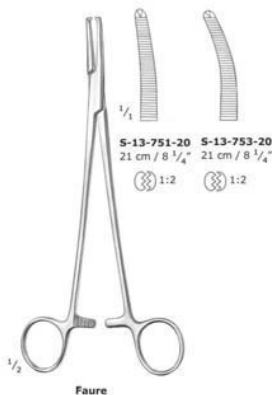
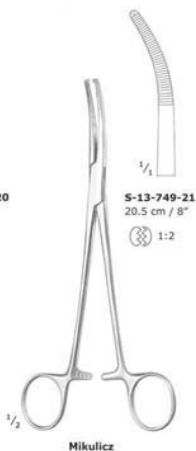
 1:2



**S-13-727-20**  
20 cm / 8"

 1:2

# Peritoneum Forceps





## Towel Clamps



**Schädel**  
**S-13-875-09**  
9 cm / 3 1/2"  
Sharp



**Jones**  
**Sharp**

**S-13-881-05**  
5.5 cm / 2 1/4"

**S-13-881-09**  
8.5 cm / 3 1/4"



**With Tube holder**

**Jones-Martin**  
**S-13-883-09**  
8.5 cm / 3 1/4"  
Sharp



**Backhaus**  
**Delicate Model**

**S-13-909-11**  
11.5 cm / 4 1/2"

**S-13-909-13**  
13 cm / 5"



**With Tube holder**

**Backhaus**  
**S-13-913-11**  
11.5 cm / 4 1/2"

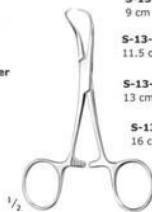


**S-13-915-08**  
9 cm / 3 1/2"

**S-13-915-11**  
11.5 cm / 4 1/2"

**S-13-915-13**  
13 cm / 5"

**S-13-915-15**  
16 cm / 6 1/4"



**Backhaus**

## Towel Clamps

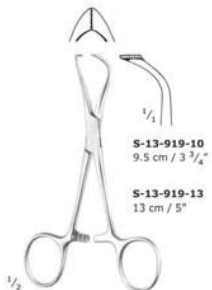


**S-13-916-15**  
15.5 cm / 6"

**Peers-Bertram modif**  
Wide Jaw for tube fixation



**Röder**  
**S-13-917-13**  
13.5 cm / 5 1/4"



**S-13-919-10**  
9.5 cm / 3 3/4"

**S-13-919-13**  
13 cm / 5"

**Lorna**  
Fine serrated, wide Jaw



**Bernhard**  
**S-13-921-16**  
16.5 cm / 6 1/2"



## Towel Clamps



**S-13-923-10**  
10.5 cm / 4"

**S-13-923-13**  
13.5 cm / 5 1/4"



**Tohoku**  
blunt



**S-13-923-14**  
14.5 cm / 5 3/4"



**Peers-Bertram**  
blunt



**S-13-924-11**  
11.5 cm / 4 1/2"

**S-13-924-14**  
14 cm / 5 1/2"



**For Paper Clothes**



**S-13-935-20**  
19.5 cm / 7 3/4"



**Lane**

## Tubing Clamps

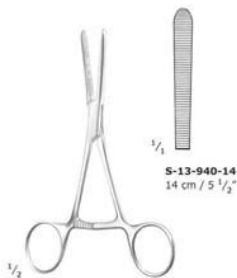


**Al** Aluminium



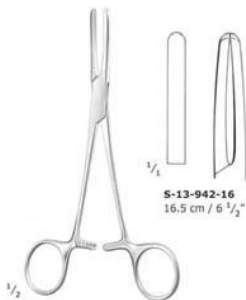
**S-13-939-06**

Tube Holder  
for fixation of six tubes



**S-13-940-14**  
14 cm / 5 1/2"

Extra long ratchet



**S-13-942-16**  
16.5 cm / 6 1/2"





## Tubing Clamps



**S-13-944-15**  
15.5 cm / 6"



**S-13-944-18**  
19 cm / 7  $\frac{1}{2}$ "



**S-13-944-20**  
20.5 cm / 8"



**S-13-946-15**  
15.5 cm / 6"



**S-13-946-18**  
19 cm / 7  $\frac{1}{2}$ "



**S-13-946-20**  
20.5 cm / 8"

with Safety Guard



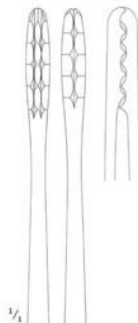
## Cotton Swap Forceps etc.



# Dressing Forceps



**S-14-100-22**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"



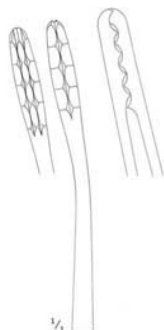
**S-14-100-27**  
26.5 cm / 10 <sup>1</sup>/<sub>2</sub>"



**Ulrich**



**S-14-101-22**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"



**S-14-101-27**  
26.5 cm / 10 <sup>1</sup>/<sub>2</sub>"



## Sinus Forceps, Dressing Forceps



**Lister**



**S-14-110-13**  
13 cm / 5"



**S-14-110-16**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



**S-14-110-18**  
18 cm / 7"



**Martin**



**S-14-120-17**  
17.5 cm / 7"



**S-14-121-17**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"

# Dressing Forceps



**S-14-222-20**  
20.5 cm / 8"

**S-14-222-22**  
26.5 cm / 8 3/4"

**S-14-222-27**  
26.5 cm / 10 1/2"

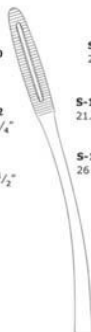
**S-14-223-20**  
20 cm / 8"

**S-14-223-22**  
21.5 cm / 8 1/2"

**S-14-223-27**  
26 cm / 10 1/4"



Gross-Maier



**S-14-231-40**  
39.5 cm / 15 1/2"





## Dressing Forceps, Sponge Forceps



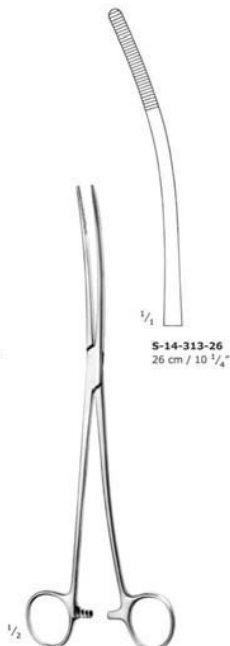
**S-14-286-25**  
25.5 cm / 10"

Collin



**S-14-290-25**  
23.5 cm / 9 1/4"

Cheron



**S-14-313-26**  
26 cm / 10 1/4"

Bozemann

# Sponge Forceps



Foerster



**S-14-350-25**  
25 cm / 9 3/4"  
smooth Jaw



**S-14-350-18**  
18 cm / 7"



**S-14-353-25**  
24.5 cm / 9 3/4"  
smooth Jaw



**S-14-355-18**  
17.5 cm / 7"

**S-14-352-20**  
20.5 cm / 8"

**S-14-355-20**  
20 cm / 8"

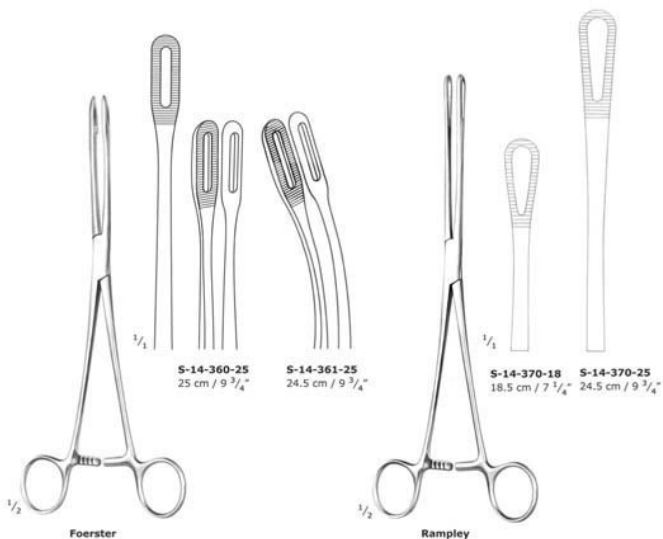
**S-14-352-25**  
25 cm / 9 3/4"

**S-14-355-25**  
24.5 cm / 9 3/4"



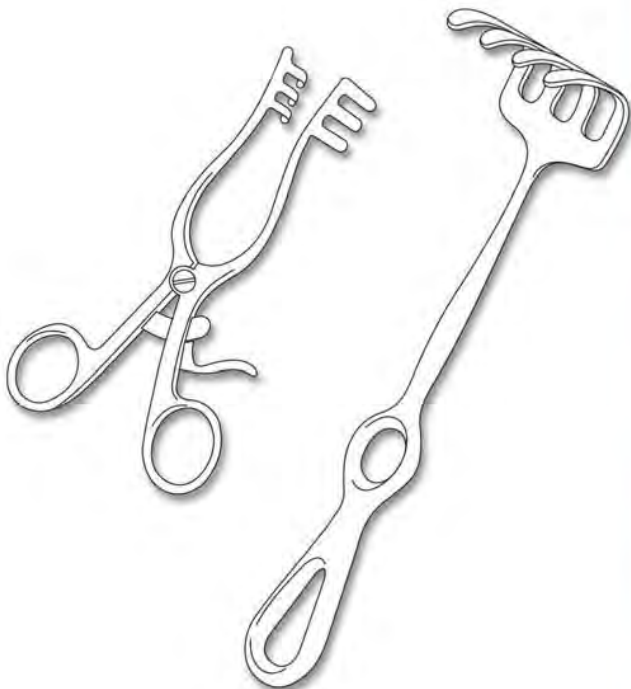


## Sponge Forceps





## Retractors



# Micro Hooklets, Skin Hooks



**Graefe**  
15 cm / 6"



**S-15-066-01**  
sharp



**S-15-066-02**  
blunt



**S-15-068-01**  
Fig. 1  
sharp



**S-15-068-02**  
Fig. 2



**S-15-068-03**  
Fig. 3



**S-15-068-04**  
Fig. 4

16 cm / 6 1/4"



**O'Connor**  
16 cm / 6 1/4"



**S-15-070-16**

Sharp



**Guthrie**  
15.5 cm / 6"



**S-15-072-01**

Sharp



**S-15-072-02**



## Hooklets



sharp

16.5 cm / 6 1/2"



S-15-074-01



S-15-074-02



S-15-074-03



S-15-074-04



blunt

16.5 cm / 6 1/2"



S-15-075-01



S-15-075-02



S-15-075-03



S-15-075-04



flexible

16.5 cm / 6 1/4"



S-15-078-02



S-15-079-02



S-15-078-03



S-15-079-03



S-15-078-03

sharp



S-15-079-03

blunt



16.5 cm / 6 1/2"



S-15-086-04

sharp



S-15-087-04

blunt

# Saddle Hooks, Hooklets



**S-15-088-12**  
12 cm / 4 3/4"

1/2

**Vessel Hook**



1/2

**Desmarres**  
16 cm / 6 1/4"



**S-15-091-08**  
16 cm / 6 3/4"  
8 mm



**S-15-091-10**  
16 cm / 6 1/4"  
10 mm



**S-15-091-12**  
16 cm / 6 1/4"  
12 mm



**S-15-091-14**  
16 cm / 6 1/4"  
14 mm



**S-15-091-16**  
16 cm / 6 1/4"  
16 mm



**S-15-091-18**  
16 cm / 6 1/4"  
18 mm



**S-15-093-12**  
16 cm / 6 1/4"  
12 mm



**S-15-093-14**  
14 cm / 6 1/4"  
14 mm



**S-15-093-16**  
16 cm / 6 1/4"  
16 mm



**S-15-093-18**  
16 cm / 6 1/4"  
18 mm

1/2

16 cm / 6 1/4"



**Langenbeck-Mini**  
16 cm / 6 1/4"

1/2



**S-15-095-10**  
10 x 6 mm

1/1



**S-15-095-17**  
17 x 5 mm



**S-15-095-20**  
20 x 6 mm

1/1

**S-15-095-22**  
22 x 8 mm



1/2

**S-15-099-16**  
16 cm / 6 1/4"



14 x 8 mm

1/1

blunt



## Hooklets



Sharp



**S-15-100-01**  
16.5 cm / 6 1/2"



**S-15-100-02**  
16.5 cm / 6 1/2"



**S-15-100-03**  
16.5 cm / 6 1/2"



**S-15-100-04**  
16.5 cm / 6 1/2"



Sharp



**S-15-101-01**  
16.5 cm / 6 1/2"



**S-15-101-02**  
16.5 cm / 6 1/2"



**S-15-101-03**  
16.5 cm / 6 1/2"



**S-15-101-04**  
16.5 cm / 6 1/2"



**Meyerdig**  
17.5 cm / 7"



**S-15-151-01**  
Fig 1  
18 x 7 mm

blunt



**S-15-151-02**  
Fig 2  
16 x 5 mm

toothed



**S-15-151-03**  
Fig 3  
7 x 4 mm

toothed



**S-15-151-04**  
Fig 4  
10 x 3 mm

blunt



**S-15-151-05**  
Fig 5  
7 x 4 mm

Saddle shaped



**S-15-151-06**  
Fig 6  
10 x 4 mm

Sharp

## Hooklets, Retractors



**Senn-Green**  
15 cm / 6"



**S-15-161-01**

Fig. 1  
20 x 6 mm



**S-15-161-02**

Fig. 2  
10 x 6 mm



**Ragnell-Davis**



8 x 4 mm

**S-15-164-14**

14 cm / 5 1/2"



15 x 5.5 mm



sharp prongs



blunt prongs

**S-15-166-16**

16 cm / 6 1/4"

**S-15-167-16**

16 cm / 6 1/4"



blade  
20 x 7 mm



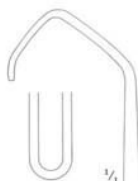
blade  
20 x 7 mm



**Senn-Miller**



**Cushing**



1/1

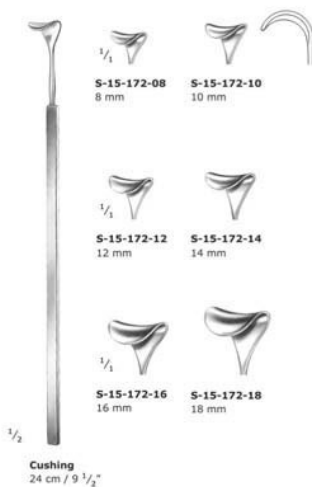
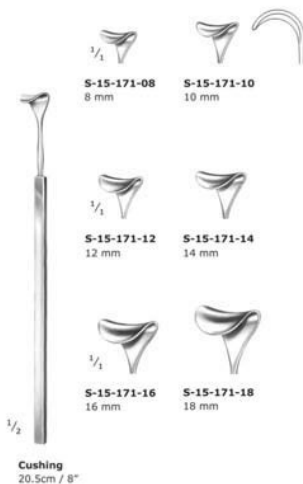
**S-15-170-20**

20.5 cm / 8"





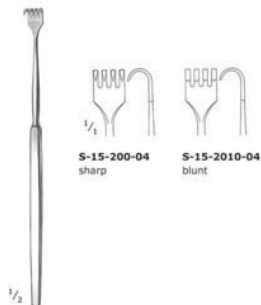
## Saddle Hooks



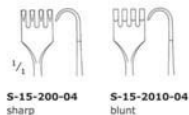
# Retractors, Hooklets



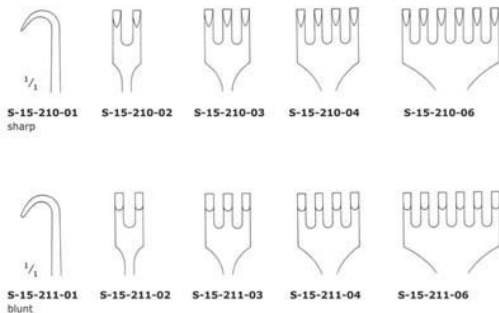
**Klapp**  
17 cm / 7"



16.5 cm / 6 1/2"

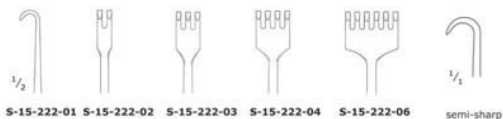
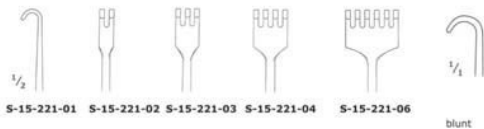
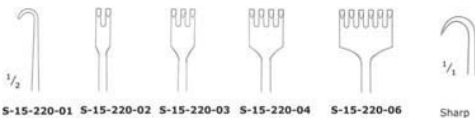


**Volkman**  
21.5 cm / 8 1/2"

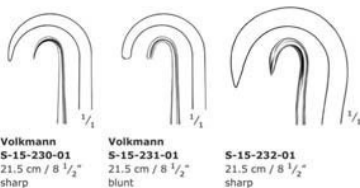




## Retractors



**Volkmann**  
22 cm / 8  $\frac{3}{4}$ "



# Retractors



S-15-240-01 S-15-240-02 S-15-240-03 S-15-240-04 S-15-240-06 S-15-240-08

Sharp



S-15-241-01 S-15-241-02 S-15-241-03 S-15-241-04 S-15-241-06 S-15-241-08

Blunt



S-15-242-01 S-15-242-02 S-15-242-03 S-15-242-04 S-15-242-06 S-15-242-08

Semi-sharp



**Kocher**  
22 cm / 8 3/4"



## Retractors



S-15-245-02



S-15-245-03



S-15-245-04



S-15-245-06



Sharp



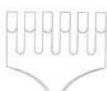
S-15-246-02



S-15-246-03



S-15-246-04



S-15-246-06



Blunt

**Martin**  
22.5 cm / 8 3/4"

# Retractors



1/1



1/1

**S-15-266-08**

24.5 cm / 9 3/4"

40 x 30 mm

Sharp

**S-15-267-08**

24.5 cm / 9 3/4"

40 x 30 mm

Blunt

1/1

1/1

**S-15-253-04**

23 cm / 9"

36 x 60 mm



1/1

**S-15-251-03**

23 cm / 9"

36 x 30 mm



1/2

Ollier



1/2

Wassmund



1/2

Körte



1/2

Körte



# Category Title



Israel



**S-15-281-04**  
25.5 cm / 10"  
40 x 40 mm



**S-15-283-05**  
25.5 cm / 10"  
40 x 50 mm



**S-15-287-06**  
25.5 cm / 10"  
50 x 60 mm



**S-15-289-07**  
25.5 cm / 10"  
70 x 70 mm

## Retractors



**S-15-291-01**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
30 x 11 mm



**S-15-291-02**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
30 x 14 mm



**S-15-291-03**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
30 x 16 mm



**S-15-291-04**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
40 x 11 mm



**S-15-291-05**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
50 x 11 mm



Langenbeck



**S-15-293-01**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
30 x 14 mm



**S-15-293-02**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
30 x 14 mm



**S-15-293-03**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
30 x 16 mm



**S-15-293-04**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
40 x 11 mm



**S-15-293-05**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
50 x 11 mm



Langenbeck





## Retractors



# Retractors



**S-15-313-20**  
20 cm / 8"  
31 x 15 mm





## Retractors



Kocher-Langenbeck

**S-15-317-01**  
21.5 cm / 8 1/2"  
25 x 6 mm

**S-15-317-02**  
21.5 cm / 8 1/2"  
35 x 8 mm

**S-15-317-03**  
21.5 cm / 8 1/2"  
35 x 11 mm

**S-15-317-04**  
21.5 cm / 8 1/2"  
35 x 15 mm

**S-15-317-05**  
21.5 cm / 8 1/2"  
40 x 11 mm

**S-15-317-06**  
21.5 cm / 8 1/2"  
55 x 11 mm

**S-15-317-07**  
21.5 cm / 8 1/2"  
70 x 14 mm

**S-15-317-08**  
21.5 cm / 8 1/2"  
80 x 12 mm

**S-15-317-09**  
21.5 cm / 8 1/2"  
80 x 16 mm

# Retractors



Kocher-Langenbeck



**S-15-319-01**  
21.5 cm / 8 1/2"  
25 x 10 mm



**S-15-319-02**  
21.5 cm / 8 1/2"  
40 x 13 mm



**S-15-319-03**  
21.5 cm / 8 1/2"  
60 x 13 mm



**S-15-319-04**  
21.5 cm / 8 1/2"  
40 x 18 mm



**S-15-319-05**  
21.5 cm / 8 1/2"  
60 x 18 mm



**S-15-319-06**  
21.5 cm / 8 1/2"  
85 x 18 mm



**S-15-319-07**  
21.5 cm / 8 1/2"  
60 x 25 mm



**S-15-319-08**  
21.5 cm / 8 1/2"  
85 x 25 mm



## Retractors



Zenker



**S-15-321-01**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"  
35 x 8 mm



**S-15-321-02**  
26.5 cm / 10 <sup>1</sup>/<sub>2</sub>"  
60 x 12 mm



**S-15-321-03**  
27.5 cm / 10 <sup>3</sup>/<sub>4</sub>"  
75 x 12 mm



**S-15-321-04**  
28.5 cm / 11 <sup>1</sup>/<sub>4</sub>"  
85 x 20 mm



**S-15-321-05**  
30.5 cm / 12"  
100 x 25 mm

# Retractors



$\frac{3}{4}$



$\frac{3}{4}$



$\frac{1}{4}$



**S-15-361-01**  
21.5 cm / 8  $\frac{1}{2}$ "  
18 x 17 mm



$\frac{1}{2}$



**S-15-325-01**  
21.5 cm / 8  $\frac{1}{2}$ "  
22 x 12 mm



$\frac{1}{4}$

**S-15-325-02**  
21.5 cm / 8  $\frac{1}{2}$ "  
24 x 14 mm

Kocher



$\frac{1}{2}$



**S-15-351-01**  
22 cm / 8  $\frac{3}{4}$ "  
42 x 10 mm



$\frac{1}{4}$

**S-15-351-02**  
23 cm / 9"  
42 x 15 mm



$\frac{1}{4}$

**S-15-351-03**  
23 cm / 9"  
43 x 20 mm

Kocher



$\frac{1}{2}$

$\frac{1}{4}$



**S-15-361-02**  
23 cm / 9"  
25 x 22 mm



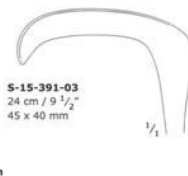
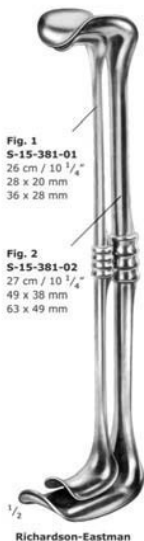
$\frac{1}{4}$

**S-15-361-03**  
24.5 cm / 9  $\frac{3}{4}$ "  
30 x 31 mm

Middeldorpf



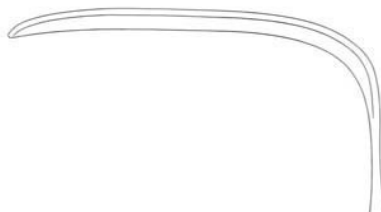
## Retractors



# Retractors



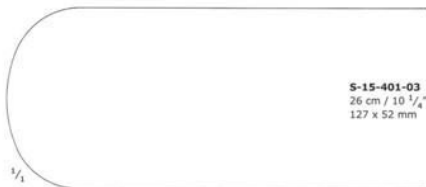
Doyen-Stille



**S-15-401-01**  
26 cm / 10 <sup>1</sup>/<sub>4</sub>"  
97 x 29 mm



**S-15-401-02**  
26 cm / 10 <sup>1</sup>/<sub>4</sub>"  
101 x 31 mm



**S-15-401-03**  
26 cm / 10 <sup>1</sup>/<sub>4</sub>"  
127 x 52 mm





## Retractors



$\frac{1}{2}$

Hosel

**S-15-405-01**  
26 cm / 10  $\frac{1}{4}$ "  
63 x 21 mm

**S-15-405-02**  
26 cm / 10  $\frac{1}{4}$ "  
83 x 30 mm

**S-15-405-03**  
26 cm / 10  $\frac{1}{4}$ "  
103 x 30 mm

**S-15-405-04**  
26 cm / 10  $\frac{1}{4}$ "  
120 x 30 mm

**S-15-405-05**  
26 cm / 10  $\frac{1}{4}$ "  
140 x 30 mm

**S-15-405-06**  
26 cm / 10  $\frac{1}{4}$ "  
140 x 40 mm

# Retractors



$\frac{1}{2}$

Middeldorpf



**S-15-441-01**  
27 cm / 10  $\frac{3}{4}$ "  
48 x 45 mm



**S-15-441-02**  
27 cm / 10  $\frac{3}{4}$ "  
52 x 50 mm



**S-15-441-03**  
28 cm / 11"  
60 x 70 mm

$\frac{1}{2}$



$\frac{1}{1}$



## Retractors



Fritsch



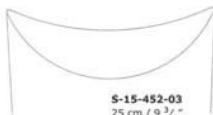
**S-15-452-00**  
23.5 cm / 9 <sup>3</sup>/<sub>4</sub>"  
37 x 31 mm



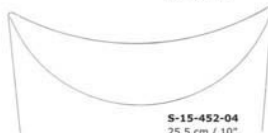
**S-15-452-01**  
24 cm / 9 <sup>1</sup>/<sub>2</sub>"  
38 x 40 mm



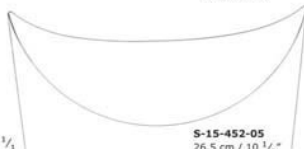
**S-15-452-02**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"  
43 x 51 mm



**S-15-452-03**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"  
49 x 61 mm



**S-15-452-04**  
25.5 cm / 10"  
48 x 75 mm



**S-15-452-05**  
26.5 cm / 10 <sup>1</sup>/<sub>2</sub>"  
65 x 85 mm

## Retractors



**Doyen**  
**S-15-461-25**  
 24 cm / 9 1/2"  
 48 x 68 mm



**Kocher**  
**S-15-469-22**  
 24 cm / 9 1/2"  
 73 x 25 mm



**S-15-471-01**  
 25 cm / 9 3/4"  
 80 x 45 mm

**S-15-471-02**  
 25 cm / 9 3/4"  
 80 x 55 mm

**S-15-471-03**  
 25 cm / 9 3/4"  
 80 x 65 mm

**Kocher**



## Retractors



## Scapula Retractors



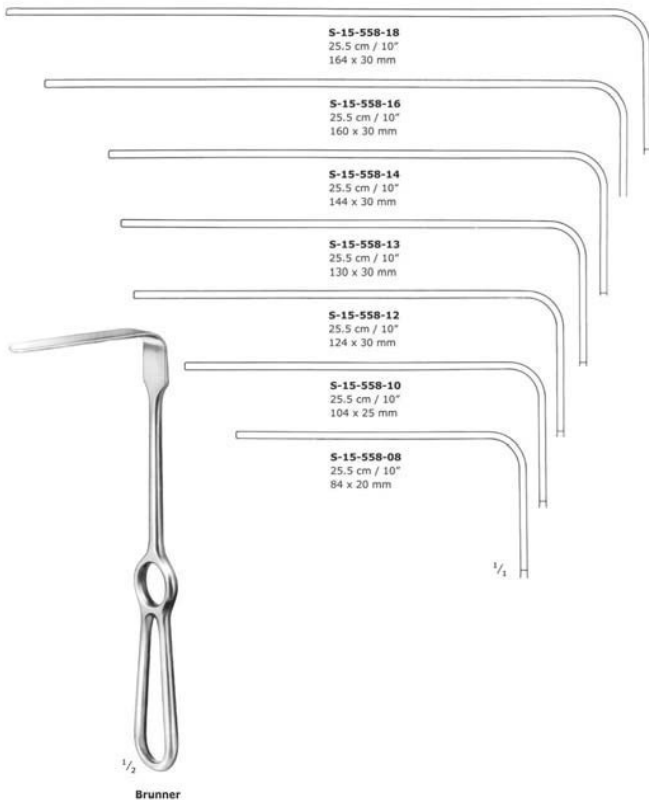
**Davidson**  
**S-15-545-01**  
19 cm / 7 1/2"  
80 x 54 mm



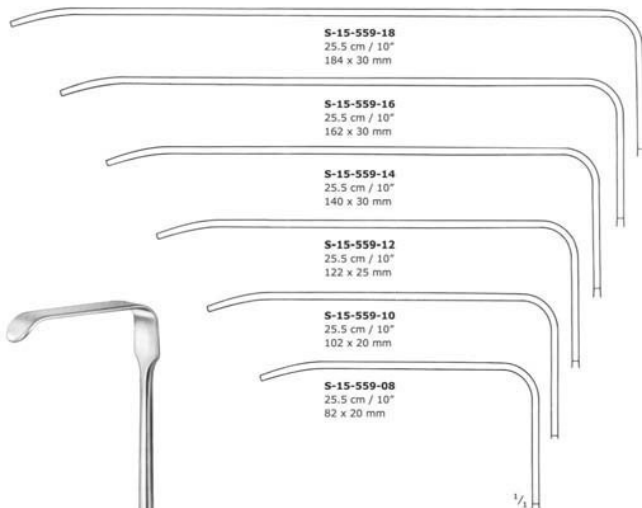
**Davidson**  
**S-15-545-02**  
18.5 cm / 7 1/4"  
80 x 95 mm



## Retractors



# Retractors



$\frac{1}{2}$

Brunner





## Retractors



Sauerbruch

**S-15-561-03**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
80 x 20 mm

**S-15-561-02**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
63 x 23 mm

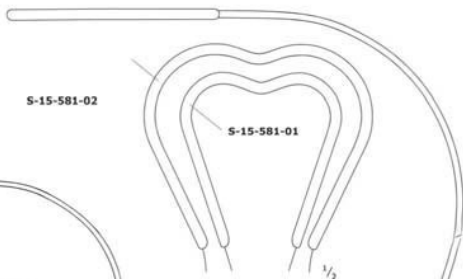
**S-15-561-01**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"  
50 x 15 mm

# Retractors





## Retractors



**S-15-581-02**

**S-15-581-01**

$\frac{1}{2}$



**S-15-579-27**  
25.5 cm / 10"

$\frac{1}{1}$



**S-15-581-01**  
31.5 cm / 12  $\frac{1}{2}$ "  
137 x 44 mm

**S-15-581-02**  
33 cm / 13"  
137 x 65 mm

$\frac{1}{1}$

$\frac{1}{2}$

**Polloson**

**Harrington**

## Retractors



$\frac{1}{2}$

**Deaver**  
**S-15-591-01**  
18 cm / 7"  
19 mm

**Deaver**  
**S-15-591-02**  
21.5 cm / 8  $\frac{1}{2}$ "  
22 mm

**Deaver**  
**S-15-591-03**  
25 cm / 9  $\frac{3}{4}$ "  
25 mm

**Deaver**  
**S-15-591-04**  
31 cm / 12  $\frac{1}{4}$ "  
25 mm

**Deaver**  
**S-15-591-05**  
33 cm / 12"  
25 mm

**Deaver**  
**S-15-591-06**  
36 cm / 14  $\frac{1}{4}$ "  
25 mm



## Retractors



**Deaver**  
**S-15-591-07**  
30 cm / 11 <sup>3</sup>/<sub>4</sub>"  
38 mm



**Deaver**  
**S-15-591-08**  
31 cm / 12 <sup>3</sup>/<sub>4</sub>"  
50 mm



**Deaver**  
**S-15-591-09**  
31.5 cm / 12 <sup>1</sup>/<sub>2</sub>"  
75 mm

# Retractors



Deaver



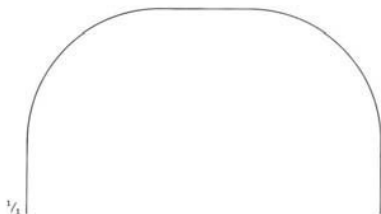
**S-15-592-04**  
31.5 cm / 12 1/2"  
25 mm



**S-15-592-07**  
31.5 cm / 12 1/2"  
38 mm



**S-15-592-08**  
31.5 cm / 12 1/2"  
50 mm



**S-15-592-10**  
31.5 cm / 12 1/2"  
100 mm



## Retractors



**Cooley**  
**S-15-593-01**  
25 cm / 9 1/2"  
48 x 48 mm  
right

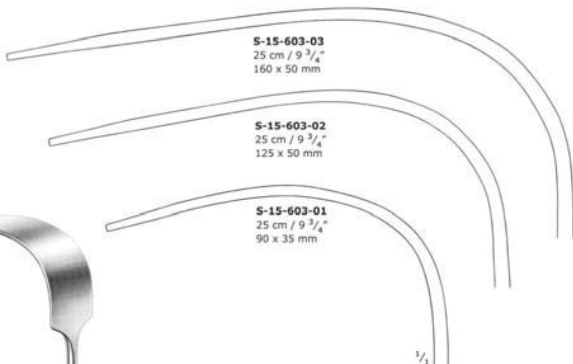


**Cooley**  
**S-15-593-02**  
25 cm / 9 3/4"  
48 x 48 mm  
right, serrated



**Cooley**  
**S-15-593-03**  
27 cm / 10 1/2"  
30 x 48 mm  
left

## Retractors

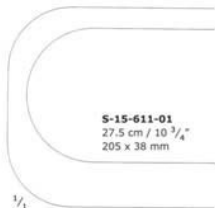


**Mikulicz**  
Liver Retractor





## Retractors



**S-15-611-01**  
27.5 cm / 10  $\frac{3}{4}$ "  
205 x 38 mm

$\frac{1}{1}$



**S-15-607-26**  
26 cm / 10  $\frac{1}{4}$ "  
90 x 55 mm

$\frac{1}{1}$



**S-15-611-02**  
27.5 cm / 10  $\frac{3}{4}$ "  
205 x 57 mm

$\frac{1}{2}$

$\frac{1}{2}$

Mikulicz

Kelly

# Retractors & Pelvis Retractors



**Roux**

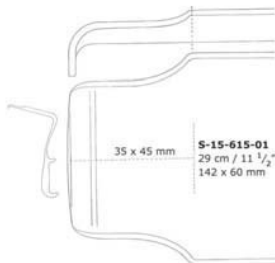


**S-15-655-00**  
17 cm / 6 3/4"  
Fig. 1-3

**Fig. 1**  
**S-15-655-01**  
14 cm / 5 1/2"

**Fig. 2**  
**S-15-655-02**  
15 cm / 6"

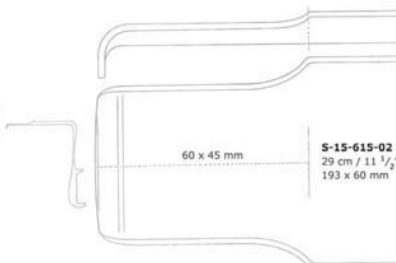
**Fig. 3**  
**S-15-655-03**  
17 cm / 6 3/4"



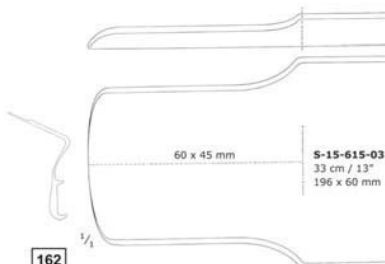
**S-15-615-01**  
29 cm / 11 1/2"  
142 x 60 mm



**St. Marks**



**S-15-615-02**  
29 cm / 11 1/2"  
193 x 60 mm



**S-15-615-03**  
33 cm / 13"  
196 x 60 mm



## Retractors



**Farabeuf**  
**S-15-665-00**  
11.5 cm / 4 1/2"  
Fig. 1-2

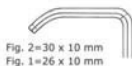


Fig. 2=30 x 10 mm  
Fig. 1=26 x 10 mm

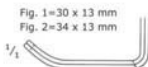


Fig. 1=30 x 13 mm  
Fig. 2=34 x 13 mm



**Farabeuf**  
**S-15-665-00**  
15 cm / 6"  
Fig. 1-2



Fig. 2=27 x 16 mm  
Fig. 1=23 x 16 mm



Fig. 1=26 x 16 mm  
Fig. 2=30 x 16 mm



**Roux-Mini**



**S-15-667-06**  
15.5 cm / 5 3/4"  
8 x 6 mm



**Roux-Baby**

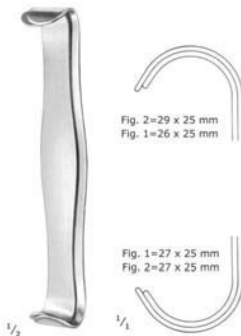


**S-15-669-13**  
12.5 cm / 5"

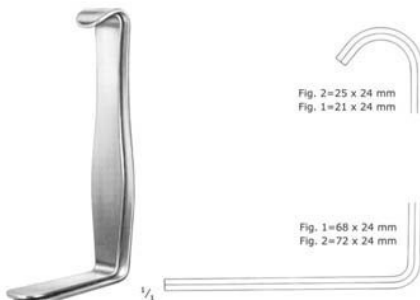
## Retractors



**Parker**  
**S-15-673-01**  
13.5 cm / 5  $\frac{1}{4}$ "  
Fig. 1-2



**Parker**  
**S-15-673-02**  
17.5 cm / 7"  
Fig. 1-2



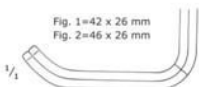
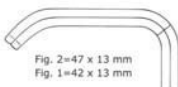
**Parker-Mott**  
**S-15-675-00**  
16 cm / 6  $\frac{1}{4}$ "  
Fig. 1-2



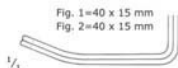
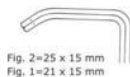
## Retractors



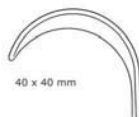
**Mathieu**  
**S-15-683-00**  
20 cm / 8"  
Fig. 1-2



**Parker-Langenbeck**  
**S-15-687-00**  
21.5 cm / 7 1/2"  
Fig. 1-2



**Goelet**  
**S-15-695-00**  
19 cm / 7 1/2"



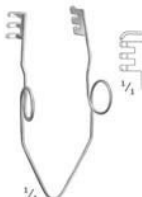
## Wound Spreaders, self-retaining



**S-15-709-30**  
3 cm / 1 1/4"  
Fat Spreaders  
for coronary surgeries



**S-15-709-40**  
4 cm / 1 1/4"  
Fat Spreaders  
for coronary surgeries



**S-15-709-55**  
5.5 cm / 2 1/4"  
Fat Spreaders  
for coronary surgeries



**Suckley**

**S-15-710-06**  
6 cm / 2 1/4"  
sharp



**Aim**  
with adjusting screw



**S-15-714-07**  
7 cm / 2 3/4"  
sharp



**S-15-714-10**  
10 cm / 4"  
sharp



**S-15-715-07**  
7 cm / 2 3/4"  
blunt



**S-15-715-10**  
10 cm / 4"  
blunt



4 x 4



4 x 4



4 x 4



4 x 4



**S-15-717-10**  
10 cm / 4"  
blunt



## Wound Spreaders, self-retaining



**Jansen**  
with adjusting screw



**S-15-723-10**  
10 cm / 4"  
blunt



**Scalp-Contour**  
with ratchet



**S-15-725-14**  
13.5 cm / 5 1/4"  
3:4  
sharp



**S-15-727-14**  
13.5 cm / 5 1/4"  
3:4  
blunt



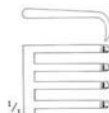
**Anderson-Adson**  
**S-15-732-20**  
20 cm / 8"



4:4  
sharp



**Weitlaner**  
20 cm / 8"



**S-15-734-20**  
3:4  
sharp

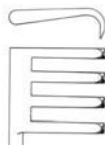


**S-15-735-20**  
3:4  
blunt

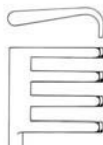
# Wound Spreaders, self-retaining



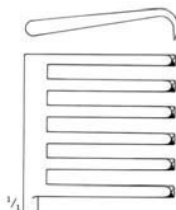
Adson



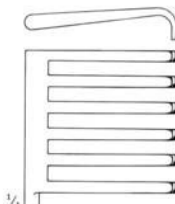
**S-15-736-26**  
26 cm / 10 1/4"  
3:4  
sharp



**S-15-737-26**  
26 cm / 10 1/4"  
3:4  
blunt



**S-15-738-26**  
29 cm / 11 1/2"  
6:6  
sharp



**S-15-739-26**  
29 cm / 11 1/2"  
6:6  
blunt





## Wound Spreaders, self-retaining



Weitlaner



**S-15-748-10**  
11 cm / 4 1/4"

2:3  
sharp



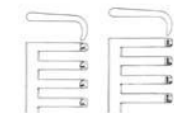
**S-15-749-10**  
11 cm / 4 1/4"

2:3  
blunt



Weitlaner

3:4



**S-15-750-13** **S-15-750-16**  
13.5 cm / 5 1/4" 16 cm / 6 1/4"  
sharp sharp



**S-15-751-13**  
13.5 cm / 5 1/4"  
blunt



**S-15-751-16**  
16 cm / 6 1/4"  
blunt



Weitlaner-Wullstein



**S-15-752-13**  
13 cm / 5"

3:3  
sharp



**S-15-753-13**  
13 cm / 5"

3:3  
blunt



Mollison



**S-15-754-15**  
15.5 cm / 6"

4:4  
sharp

# Wound Spreaders, self-retaining



**S-15-755-13**

13 cm / 5"



2:2

blunt



**S-15-757-11**

10.5 cm / 4"

blunt



**S-15-759-11**

10.5 cm / 4"

blunt



Plester



**S-15-756-13**

13 cm / 5"



2:2

sharp



Plester



Plester



Milligan



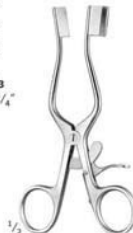
**S-15-764-13**

13.5 cm / 5 1/4"



3:3

blunt



Weitlaner-Baby



**S-15-767-13**

13.5 cm / 5 1/4"



## Wound Spreaders, self-retaining



**S-15-768-00**

16 cm / 6 1/4"



blunt



**S-15-769-00**

16 cm / 6 1/4"



sharp

complete with 3 central blades  
ref. S-15-768-19, -25 and -32



**Henley**

16 cm / 6 1/4"

### Central Blades



**S-15-768-19**



**S-15-768-00 +  
S-15-769-00**



**S-15-768-25**



**S-15-768-00 +  
S-15-769-00**



**S-15-768-32**



**S-15-768-00 +  
S-15-769-00**

# Wound Spreaders, self-retaining



**S-15-770-13**  
13.5 cm / 5 1/4"



**S-15-771-13**  
13.5 cm / 5 1/4"



**S-15-770-16**  
16.5 cm / 6 1/2"



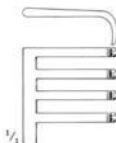
**S-15-771-16**  
16.5 cm / 6 1/2"



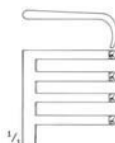
**S-15-770-20**  
21 cm / 8 1/4"



**S-15-771-20**  
21 cm / 8 1/4"



**S-15-770-26**  
24.5 cm / 9 3/4"  
sharp



**S-15-771-26**  
24.5 cm / 9 3/4"  
blunt



**Adson**



3:4



## Wound Spreaders, self-retaining



**S-15-774-40**  
40 cm



**S-15-774-45**  
45 cm



**S-15-774-50**  
50 cm



**S-15-774-55**  
55 cm



**S-15-774-60**  
60 cm

**S-15-774-25**  
25 cm / 9 3/4"  
Spreader only

**S-15-774-00**  
25 cm / 9 3/4"  
complete

with 2 each plug-in blades ref.

**S-15-774-40 - S-15-774-60**



**S-15-775-40**  
40 cm"



**S-15-775-45**  
45 cm"



**S-15-775-50**  
50 cm"



**S-15-775-55**  
55 cm"



**S-15-775-60**  
60 cm"

**S-15-775-15**  
15 cm / 6"  
Spreader only

**S-15-775-00**  
15 cm / 6"  
complete

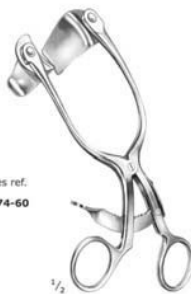
with 2 each plug-in blades ref.

**S-15-775-40 - S-15-775-60**



1/2

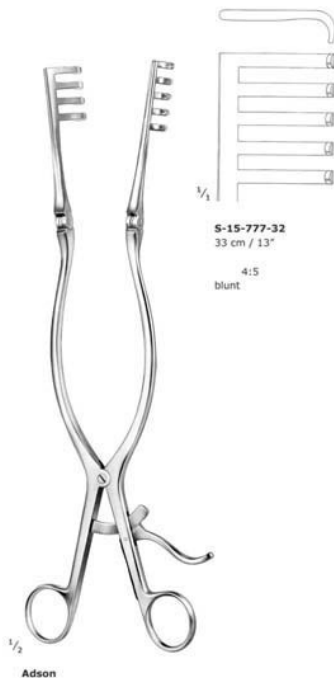
**Cloward**



1/2

**Cloward**

# Wound Spreaders, self-retaining





## Wound Spreaders, self-retaining



$\frac{1}{2}$

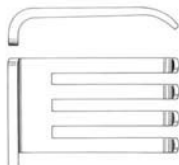
Beckman-Adson



**S-15-778-00**  
30.5 cm / 12"



blunt



**S-15-778-02**  
30.5 cm / 12"



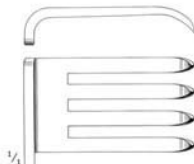
blunt



**S-15-778-01**  
30.5 cm / 12"



sharp



**S-15-778-03**  
30.5 cm / 12"

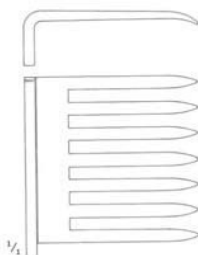


sharp

# Wound Spreaders, self-retaining



Beckman-Eaton



**S-15-778-32**

32 cm / 12 1/2"

7:7

sharp

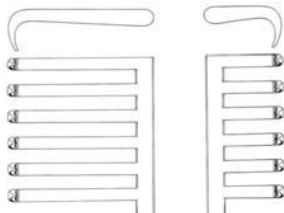




## Wound Spreaders, self-retaining



Martin



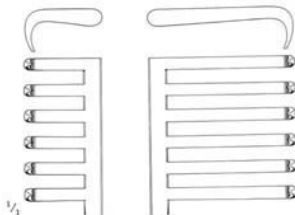
**S-15-790-01**

28.5 cm / 11 1/4"



6:6

sharp, long teeth on left side



**S-15-790-02**

28.5 cm / 11 1/4"

6:6

sharp, long teeth on right side

# Wound Spreaders, self-retaining

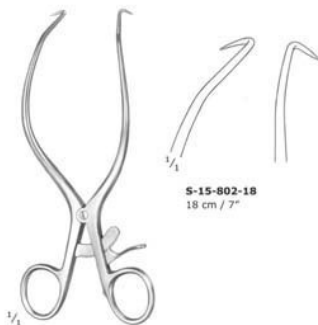


**Joll**  
**S-15-801-00**  
 15.5 cm / 6"  
 Thyroid and Vaginal retractor



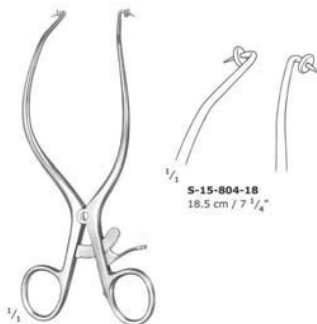
**Gelpi**

**S-15-802-13**  
 13 cm / 5"



**Gelpi**

**S-15-802-18**  
 18 cm / 7"



**Gelpi**

**S-15-804-18**  
 18.5 cm / 7 1/4"



## Abdominal Retractors



**Collin, Baby**  
**S-15-820-00**  
 20 cm / 8"  
 complete, with 2 pairs of lateral  
 blades ref. S-15-839-18  
 (18 x 40 mm) and S-15-839-27  
 (27 x 40 mm)



**Collin**  
**S-15-822-22**  
 24 cm / 9 1/4"  
 complete, with 1 pair of  
 lateral blades  
 ref. S-15-839-38 (38 x 60 mm)

## Abdominal Retractors



**Collin**  
**S-15-823-00**  
 22.5 cm / 9"  
 complete, with 1 pair of lateral  
 blades ref **S-15-839-38**  
 (38 x 60 mm) and  
 central blade 38 x 55 mm

**Collin**  
**S-15-824-00**  
 22.5 cm / 9"  
 complete, with 1 pair of lateral  
 blades ref **S-15-839-45**  
 (45 x 80 mm) and  
 central blade 50 x 75 mm



**Collin**  
**S-15-826-00**  
 31 cm / 12 1/4"  
 complete, with 1 pair of  
 lateral blades ref **S-15-839-60**  
 (60 x 80 mm) and  
 central blade 60 x 75 mm



## Abdominal Retractors



Spreading  
100 mm

Lateral Blades  
40 x 30 mm

**Gosset-Baby**  
**S-15-840-00**  
12.5 cm / 5"

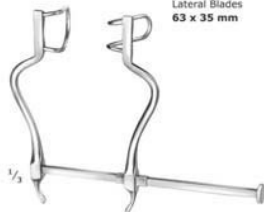


Spreading  
160 mm

Lateral Blades  
63 x 35 mm

1 Central Blade  
60 x 56 mm

**Gosset**  
**S-15-844-00**  
16.5 cm / 6 1/2"



Spreading  
140 mm

Lateral Blades  
63 x 35 mm

**Gosset**  
**S-15-846-00**  
18.5 cm / 7 1/4"

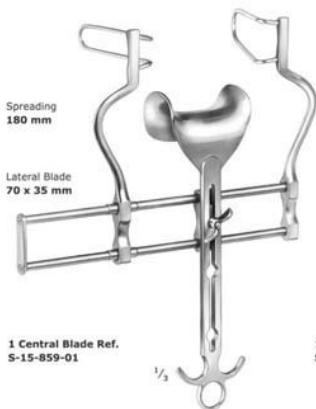
## Abdominal Retractors



Spreading  
90 mm

1 Central Blade  
24 x 20 mm

**Balfour-Baby**  
**S-15-850-00**  
12.5 cm / 5"

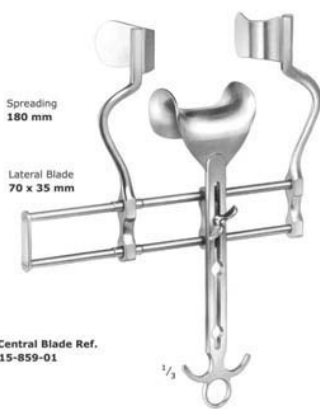


Spreading  
180 mm

Lateral Blade  
70 x 35 mm

1 Central Blade Ref.  
S-15-859-01

**Balfour**  
**S-15-852-00**  
20 cm / 8"



Spreading  
180 mm

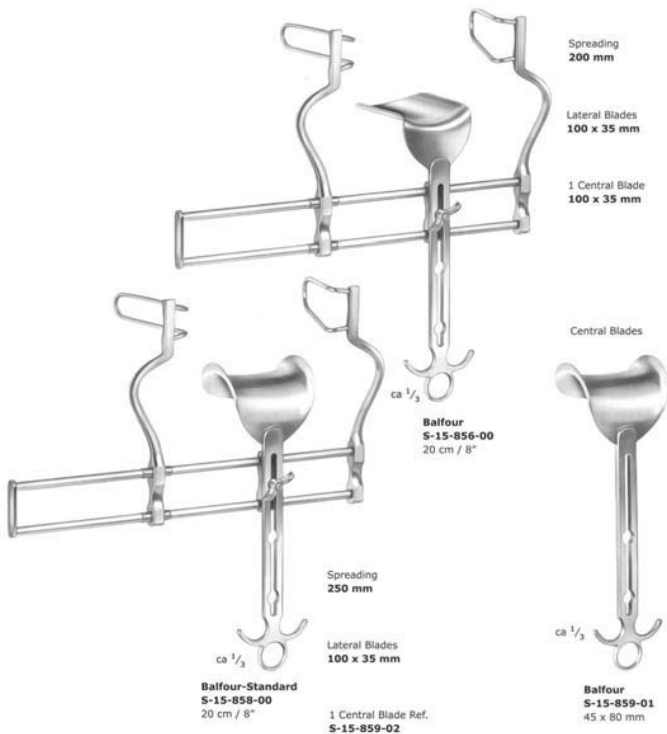
Lateral Blade  
70 x 35 mm

1 Central Blade Ref.  
S-15-859-01

**Balfour**  
**S-15-854-00**  
20 cm / 8"



## Abdominal Retractors



Spreading  
200 mm

Lateral Blades  
100 x 35 mm

1 Central Blade  
100 x 35 mm

Central Blades

ca  $\frac{1}{3}$

**Balfour**  
**S-15-856-00**  
20 cm / 8"

Spreading  
250 mm

Lateral Blades  
100 x 35 mm

ca  $\frac{1}{3}$

**Balfour-Standard**  
**S-15-858-00**  
20 cm / 8"

1 Central Blade Ref.  
**S-15-859-02**

ca  $\frac{1}{3}$

**Balfour**  
**S-15-859-01**  
45 x 80 mm

**Balfour**  
**S-15-859-02**  
68 x 85 mm

## Abdominal Retractors



Central Blades



**Balfour**  
**S-15-860-00**  
68 x 85 mm

**Balfour**  
**S-15-859-06**  
40 x 68 mm



ca 1/3

**Balfour**  
**Modell USA**  
**S-15-860-00**

with 2 pairs lateral blades  
ref **S-15-860-06** and  
**S-15-860-08**  
and 1 central blade  
ref **S-15-859-05**



**S-15-860-06**  
Fenestrated Blades  
60 mm deep (pair)



**S-15-860-08**  
Fenestrated Blades  
80 mm deep (pair)





## Laminectomy Retractors



**Scoville**  
**S-15-906-00**  
Spreading  
150 mm



**Scoville - Haverfield**  
**S-15-906-50**

frame only, with Joint

spreading  
150 mm



## Probes, Applicators, Spatulas



## Probes



2mm Ø

<b>S-16-100-11</b>	= 11.5 cm / 4 1/2"
<b>S-16-100-13</b>	= 13 cm / 5"
<b>S-16-100-14</b>	= 14.5 cm / 5 3/4"
<b>S-16-100-16</b>	= 16 cm / 6 1/4"
<b>S-16-100-18</b>	= 18 cm / 7"
<b>S-16-100-20</b>	= 20 cm / 8"
<b>S-16-100-25</b>	= 25 cm / 9 3/4"
<b>S-16-100-30</b>	= 30 cm / 11 3/4"



1 mm Ø

<b>S-16-102-11</b>	= 11.5 cm / 4 1/2"
<b>S-16-102-13</b>	= 13 cm / 5"
<b>S-16-102-14</b>	= 14.5 cm / 5 3/4"
<b>S-16-102-16</b>	= 16 cm / 6 1/4"
<b>S-16-102-18</b>	= 18 cm / 7"
<b>S-16-102-20</b>	= 20 cm / 8"



1.5 mm Ø

<b>S-16-103-13</b>	= 13 cm / 5"
<b>S-16-103-14</b>	= 14.5 cm / 5 3/4"
<b>S-16-103-16</b>	= 16 cm / 6 1/4"
<b>S-16-103-18</b>	= 18 cm / 7"
<b>S-16-102-20</b>	= 20 cm / 8"
<b>S-16-103-25</b>	= 25 cm / 9 3/4"



1.5 mm Ø

<b>S-16-108-13</b>	= 13 cm / 5"
<b>S-16-108-14</b>	= 14.5 cm / 5 3/4"
<b>S-16-108-16</b>	= 16 cm / 6 1/4"



With eye



Silver  
with Angled  
handle loop

**S-16-130-10**  
10 cm / 4"

1 mm Ø  
Ear probe



1.5 mm Ø

<b>S-16-150-13</b>	= 13 cm / 5"
<b>S-16-150-14</b>	= 14.5 cm / 5 3/4"
<b>S-16-150-16</b>	= 16 cm / 6 1/4"
<b>S-16-150-18</b>	= 18 cm / 7"
<b>S-16-150-20</b>	= 20 cm / 8"

Myrtle Leaf Probe



## Grooved Directors, Fistula Probes

**S-16-160-13** = 13 cm / 5"

**S-16-160-14** = 14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"

**S-16-160-16** = 16 cm / 6 <sup>1</sup>/<sub>4</sub>"

**S-16-170-13** = 13 cm / 5"

**S-16-170-14** = 14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"

**S-16-170-16** = 16 cm / 6 <sup>1</sup>/<sub>4</sub>"

<sup>1</sup>/<sub>2</sub>

<sup>1</sup>/<sub>2</sub>

**Doyen**

**S-16-175-14**

14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"

**Nelaton**

**S-16-185-16**

16 cm / 6 <sup>1</sup>/<sub>4</sub>"

<sup>1</sup>/<sub>4</sub>

<sup>1</sup>/<sub>4</sub>

<sup>1</sup>/<sub>4</sub>

<sup>1</sup>/<sub>4</sub>

<sup>1</sup>/<sub>2</sub>

<sup>1</sup>/<sub>3</sub>

<sup>1</sup>/<sub>4</sub>

<sup>1</sup>/<sub>1</sub>

**Lockhart-Mummery**

**S-16-186-16**

16.5 cm / 6 <sup>1</sup>/<sub>2</sub>"

Fistula Probes

**Lockhart-Mummery**

**S-16-187-16**

16.5 cm / 6 <sup>1</sup>/<sub>2</sub>"

Fistula Probes

**Lockhart-Mummery**

**S-16-189-16**

16.5 cm / 6 <sup>1</sup>/<sub>2</sub>"

Fistula Probes

**Lockhart-Mummery**

**S-16-191-16**

16.5 cm / 6 <sup>1</sup>/<sub>2</sub>"

Fistula Probes



## Diagnostics



## Percussion Hammers



With Needle & Brush

$\frac{1}{2}$

**Buck**  
**S-17-155-18**  
18.5 cm / 7  $\frac{1}{4}$ "



Telescope Handle

With Needle & Brush

$\frac{1}{2}$

**Buck**  
**S-17-156-18**  
20 cm / 8"



$\frac{1}{2}$

**Dejerine**  
**S-17-184-20**  
20 cm / 8"



With Needle

$\frac{1}{2}$

**Dejerine**  
**S-17-185-21**  
21 cm / 8  $\frac{1}{4}$ "



$\frac{1}{2}$

**Taylor Mod. USA**  
**S-17-190-20**  
20 cm / 8"





## Blood Pressure Manometers



**S-17-862-00**  
calibrated  
with velcro cuff  
mercury tube 300 mm

**S-17-866-00**  
non-calibrated  
with velcro cuff  
mercury tube 300 mm

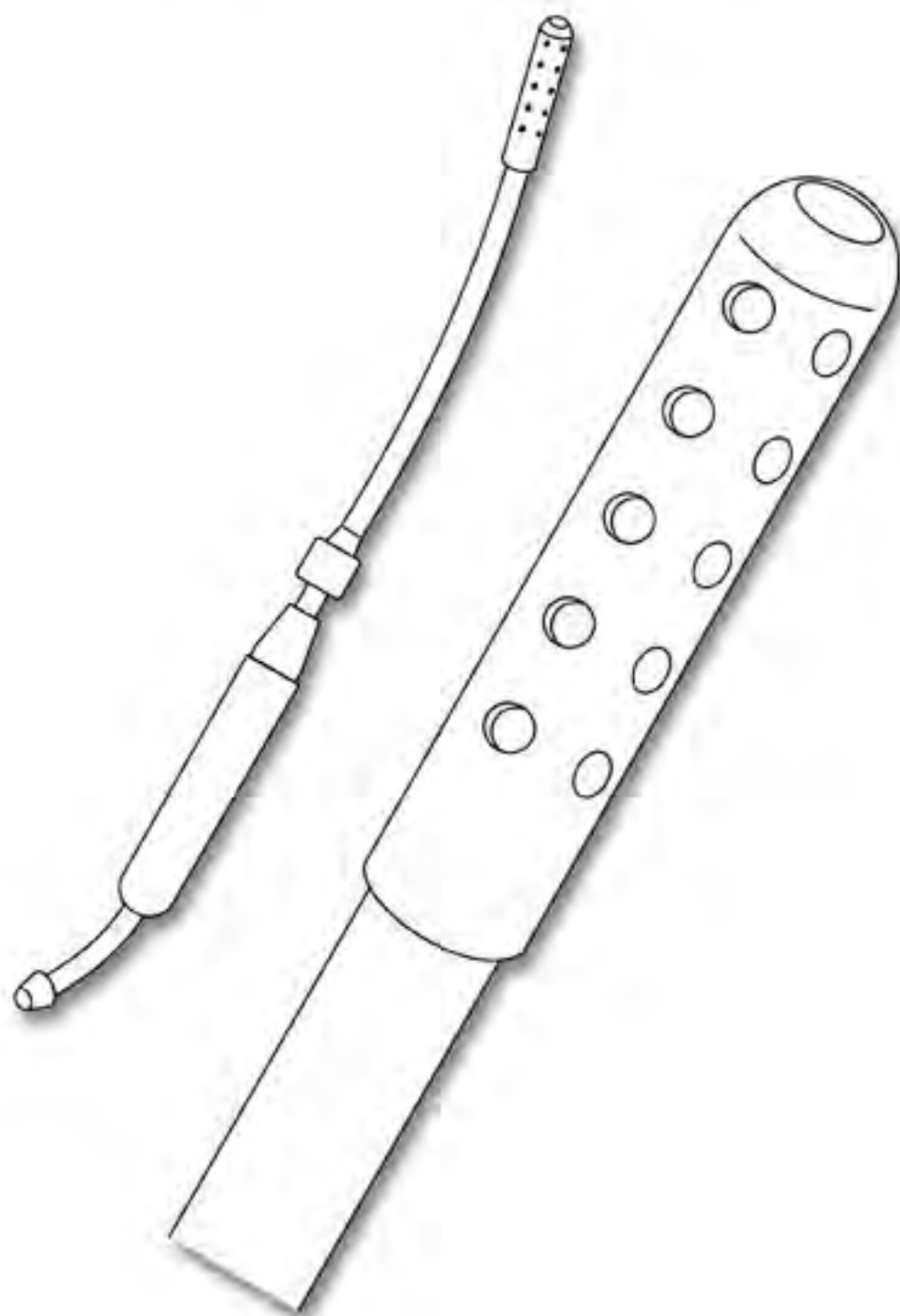


**S-17-972-00**  
calibrated  
with velcro cuff, in bag  
with manometer

**S-17-976-00**  
non-calibrated  
with velcro cuff,  
with manometer



## Trocars, Suction Tubes, Cannulas



## Suction Cannula



Adson

**S-18-521-21**  
20 cm / 8"  
4 mm ø



Frazier

**S-18-522-10**  
24 cm / 9 1/2"  
3,3 mm ø  
Charr, 10



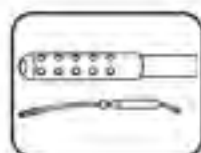
Frazier

**S-18-523-06** 19,5 cm / 7 3/4" 2,0 mm ø Charr, 6  
**S-18-523-07** 19,5 cm / 7 3/4" 2,3 mm ø Charr, 7  
**S-18-523-07** 19,5 cm / 7 3/4" 2,6 mm ø Charr, 8  
**S-18-523-09** 19,5 cm / 7 3/4" 3,0 mm ø Charr, 9  
**S-18-523-10** 19,5 cm / 7 3/4" 3,3 mm ø Charr, 10  
**S-18-523-10** 19,5 cm / 7 3/4" 3,6 mm ø Charr, 11  
**S-18-523-10** 19,5 cm / 7 3/4" 4,0 mm ø Charr, 12



Poppen

**S-18-525-16** 18 cm / 7" 2,0 mm ø Charr, 6  
**S-18-525-10** 18 cm / 7" 3,3 mm ø Charr, 10  
**S-18-525-12** 18 cm / 7" 4,3 mm ø Charr, 12



## Suction Tubes

**S-18-545-15**  
Suction Tip

  
**S-18-545-13**



**Yankauer**  
**S-18-543-27**  
31 cm / 12 1/4"  
complete with suction tip and connector



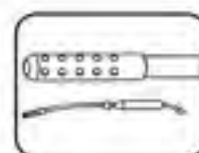
<b>S-18-545-10</b>	<b>S-18-545-11</b>	<b>S-18-545-12</b>	<b>S-18-545-13</b>
Fig. 0	Fig. 1	Fig. 2	Fig. 3
10 cm / 4"	10 cm / 4"	10 cm / 4"	13.9 cm / 5 1/2"

**Yankauer**  
**S-18-545-00**  
31 cm / 12 1/2"  
complete with handle, 4 tubes, suction  
tip and tube connector



<b>S-18-545-01</b>	<b>S-18-545-02</b>
15 cm / 6"	2.5 cm / 1"
Handle	Olive

## Suction Tubes



$\frac{1}{2}$

**Poole**  
**S-18-550-22**  
22, cm /  $8\frac{3}{4}$ "  
10 mm  $\varnothing$   
(Charr, 30)



$\frac{1}{2}$

**Poole**  
**S-18-551-22**  
22, 5 cm /  $8\frac{3}{4}$ "  
8 mm  $\varnothing$   
(Charr, 23)



$\frac{1}{2}$

**Cooley**  
**S-18-561-35**  
26 cm /  $14\frac{1}{4}$ "  
8 mm  $\varnothing$



$\frac{1}{2}$

**Cooley**  
**S-18-563-31**  
31 cm /  $12\frac{1}{4}$ "  
10 mm  $\varnothing$   
with perforated  
screw tip



$\frac{1}{2}$

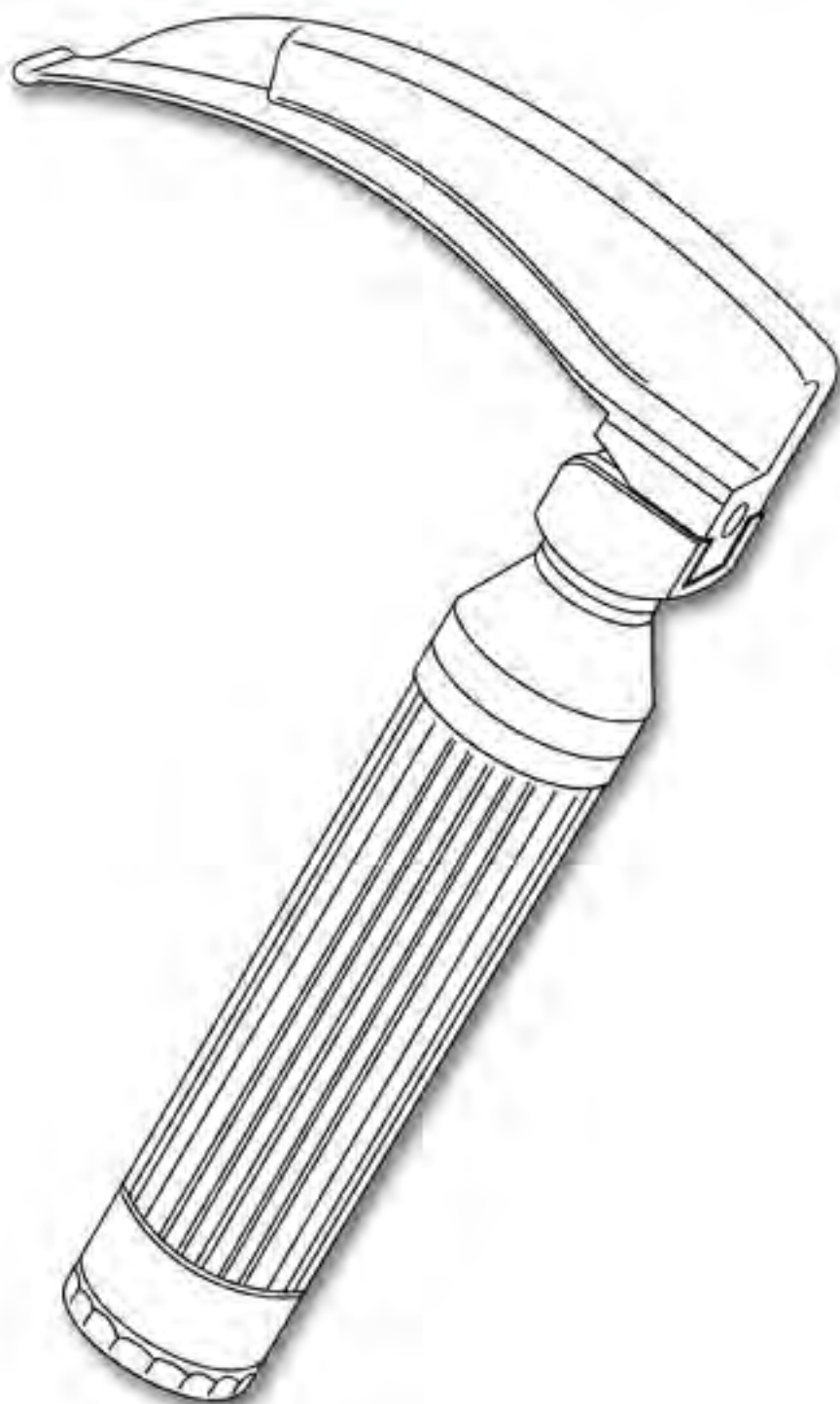
**Cooley**  
**S-18-565-30**  
31 cm /  $12\frac{1}{4}$ "  
7 mm  $\varnothing$   
with perforated  
screw tip



$\frac{1}{2}$

**Cooley**  
**S-18-567-33**  
36 cm /  $14\frac{1}{4}$ "  
8 mm  $\varnothing$   
with perforated  
screw tip

## Anesthesia





# Catheter Introducing Forceps



**S-19-301-15**  
14,5 cm / 5 <sup>3</sup>/<sub>4</sub>"  
for babies



**S-19-301-25**  
20 cm / 8"  
for children



**S-19-303-25**  
25 cm / 10"  
for adults



<sup>1</sup>/<sub>2</sub>

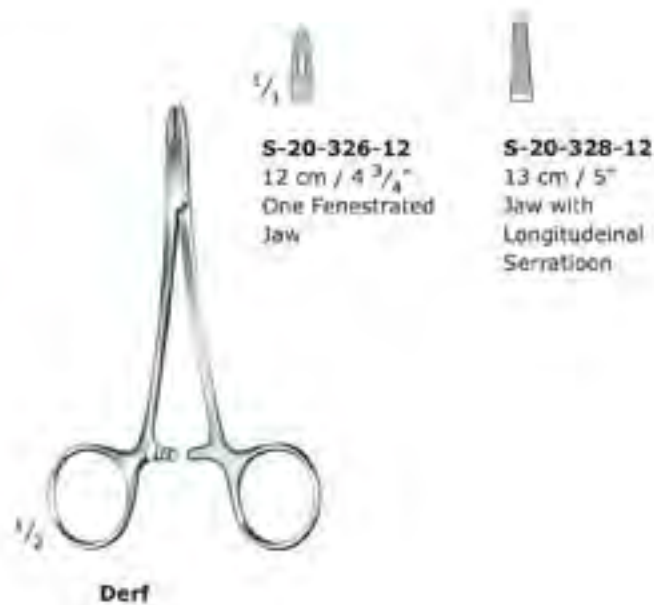
Magill

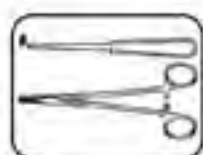


## Suture



## Laryngoscopes and Accessories





## Needle Holders



Collier

**S-20-332-14**  
12.5 cm / 5"  
Grooved jaw



Webster

**S-20-334-13**  
13 cm / 5"  
Smooth jaw



Halsey

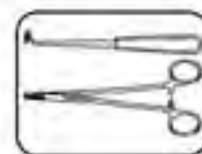
**S-20-336-13**  
12.5 cm / 5"  
smooth jaw



Neivert

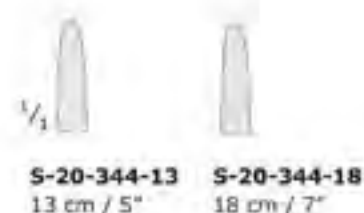
**S-20-338-13**  
12.5 cm / 5"  
smooth jaw, special groove

## Needle Holders



**S-20-340-14**  
14.5 cm / 5 3/4"

**Hegar-Baumgartner**



heavy pattern  
diagonally  
serrated jaw

**Brown**



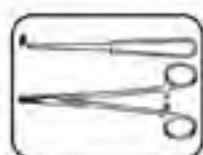
**S-20-348-15**  
15 cm / 6"  
Slender Pattern

**Crile-Murry**



**S-20-350-15**  
15 cm / 6"

**Crile-Wood**



## Needle Holders



**S-20-360-18**  
18 cm / 7"  
one fenestrated jaw

**Adson**



**S-20-364-18**  
18.5 cm / 7 1/4"  
One Grooved &  
one fenestrated jaw

**Metzenbaum**

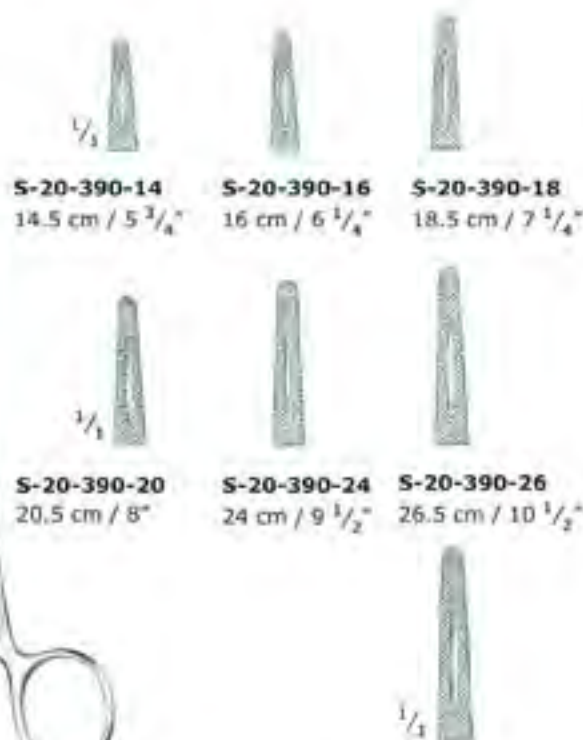


**S-20-384-17**  
17.5 cm / 6 3/4"  
Heavy Pattern

**M. G. Hospital**



**Mayo-Hegar**



**S-20-390-14**  
14.5 cm / 5 3/4"

**S-20-390-16**  
16 cm / 6 1/4"

**S-20-390-18**  
18.5 cm / 7 1/4"

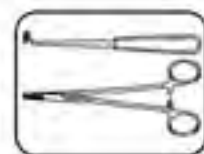
**S-20-390-20**  
20.5 cm / 8"

**S-20-390-24**  
24 cm / 9 1/2"

**S-20-390-26**  
26.5 cm / 10 1/2"

**S-20-390-30**  
30.5 cm / 12"

## Needle Holders



**S-20-396-16**  
16 cm / 6  $\frac{1}{4}$ "

**S-20-396-18**  
18.5 cm / 7  $\frac{1}{4}$ "

**S-20-396-20**  
20.5 cm / 8"

Slender Pattern



**S-20-403-21**  
20.5 cm / 8"

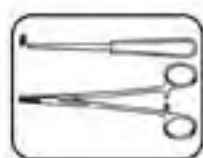


**S-20-404-23**  
23.5 cm / 9  $\frac{1}{4}$ "



**S-20-408-27**  
26.5 cm / 10  $\frac{1}{2}$ "

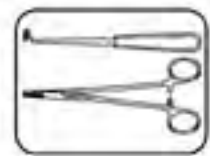




## Needle Holders

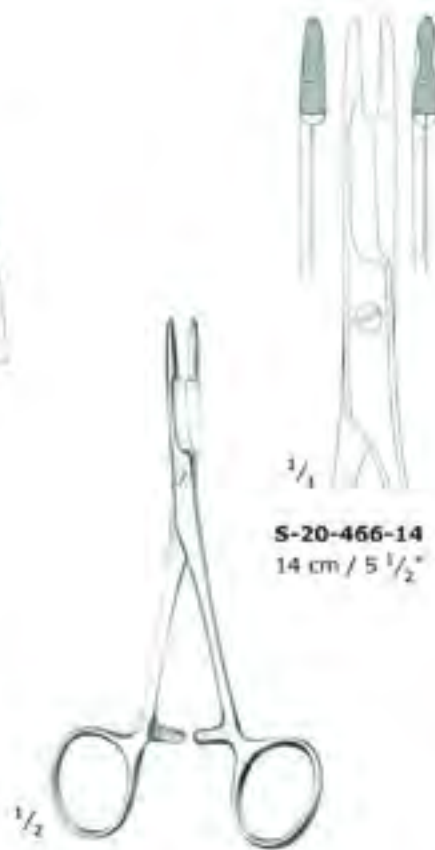


## Needle Holders



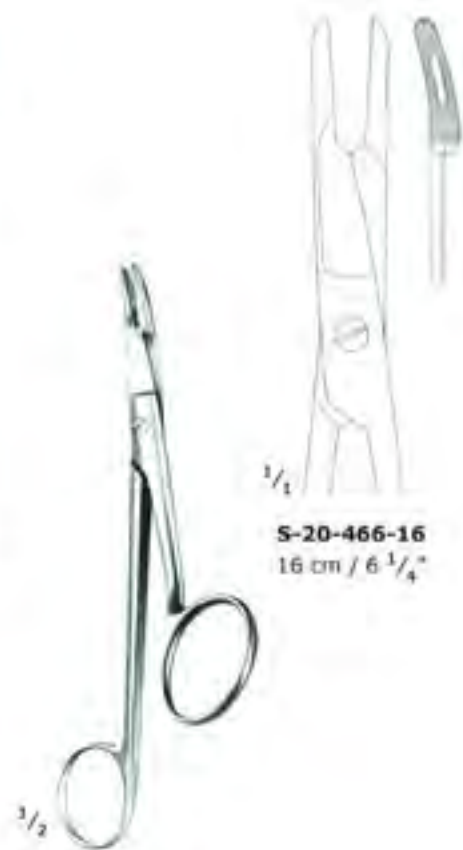
**S-20-451-23**  
23 cm / 9"

**Stratte**



**S-20-466-14**  
14 cm / 5  $\frac{1}{2}$ "

**Olsen-Heagar**



**S-20-466-16**  
16 cm / 6  $\frac{1}{4}$ "

**Gillies**





## Needle Holders



Crile



**S-20-500-15**  
15 cm / 6"



Mathieu



**S-20-516-14** **S-20-516-17** **S-20-516-20**  
14 cm / 5 1/2" 17 cm / 6 3/4" 20 cm / 8"



Mathieu



**S-20-526-14** **S-20-526-17**  
14 cm / 5 1/2" 16.5 cm / 6 1/2"



Toennis



**S-20-574-18**  
18.5 cm / 7 3/4"

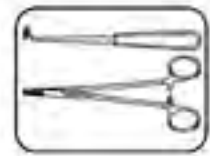


Lichtenberg



**S-20-576-20**  
20 cm / 8"

## MARTIN TC-Gold Needle Holders with tungsten carbide inserts



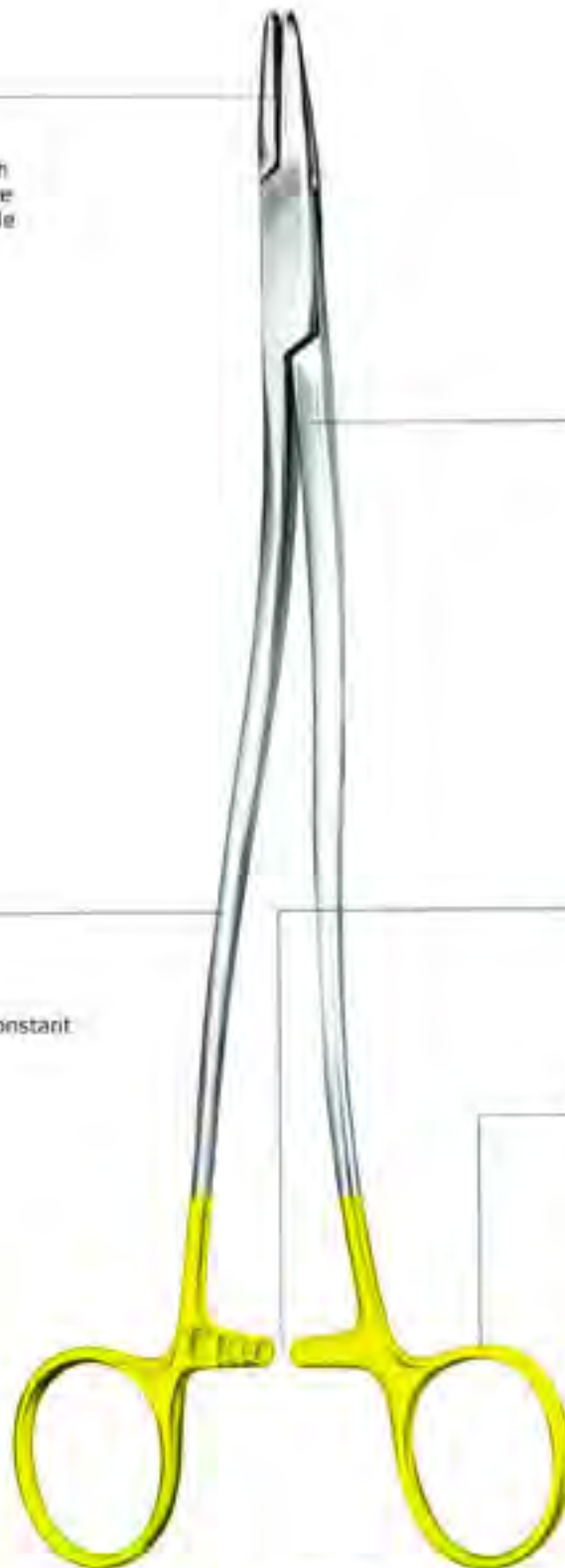
■ Tungsten carbide inserts with precisely performed structure grants a secure grip of needle

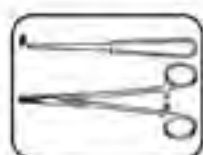
■ bevelled edges prevent catching of suture material

■ thoroughly tempered for constant elasticity and stability

■ smoothly working ratchet provides a safe handling

■ golden rings for easy identification

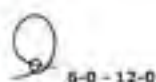




## Micro Needle Holders,



**S-20-620-18**  
18 cm / 7"  
smooth jaw



**Hepp-Scheidel**

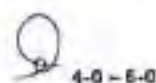


**Webster**  
**S-20-604-13**  
13 cm / 5"



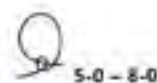
**Crile-Wood**  
**S-20-604-15**  
15 cm / 6"

Mini Profile  
with automatic  
release ratchet  
also for lefthanders



**S-20-610-18**  
18 cm / 7"  
With Lock,

Micro Profile

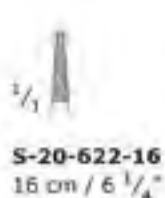


**JABOMA**

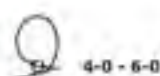
## Needle Holders, Micro Needle Holders



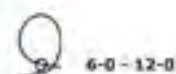
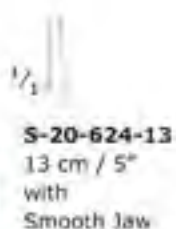
Arruga



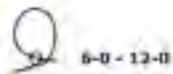
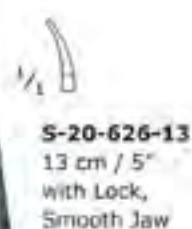
Mini Profile



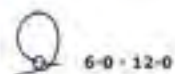
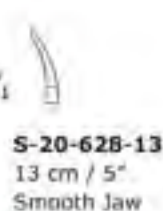
Castroviejo



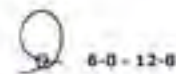
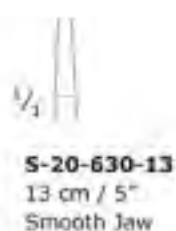
Baraquer



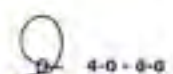
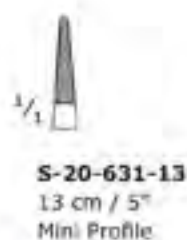
Baraquer

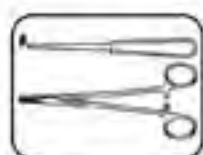


Webster

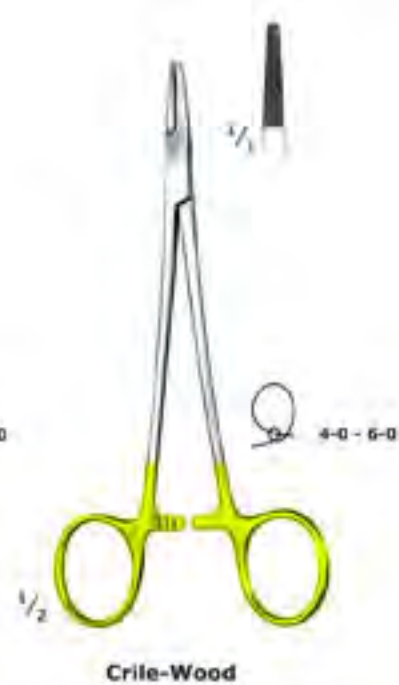
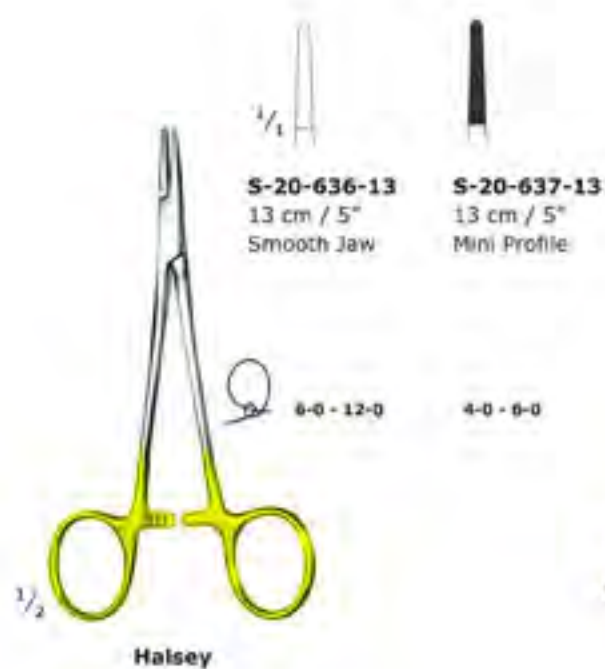


Kilner



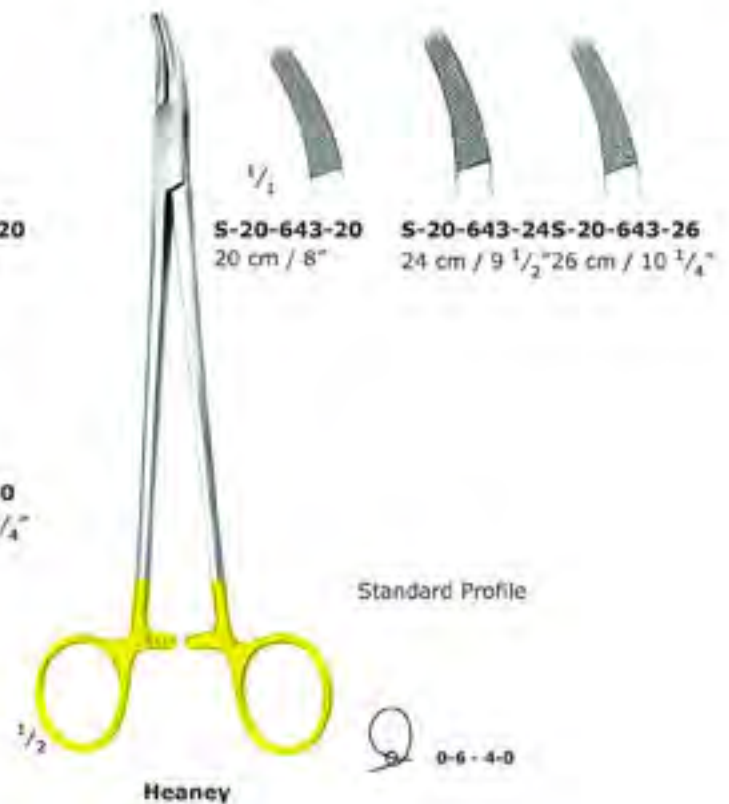
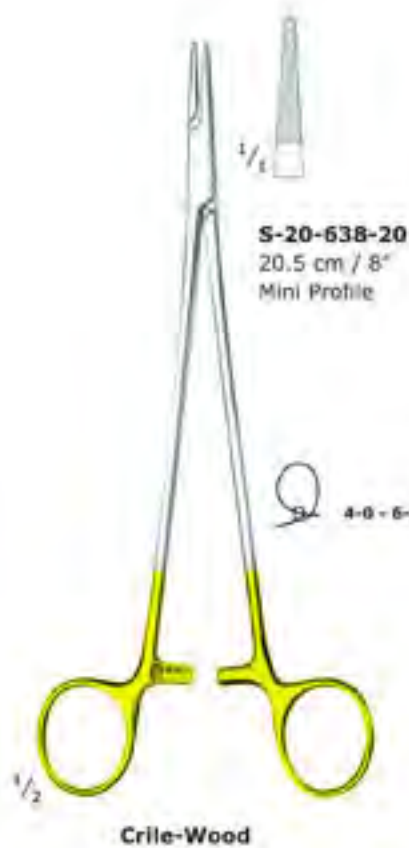
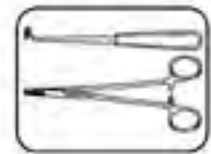


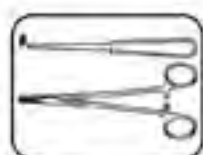
## Needle Holders



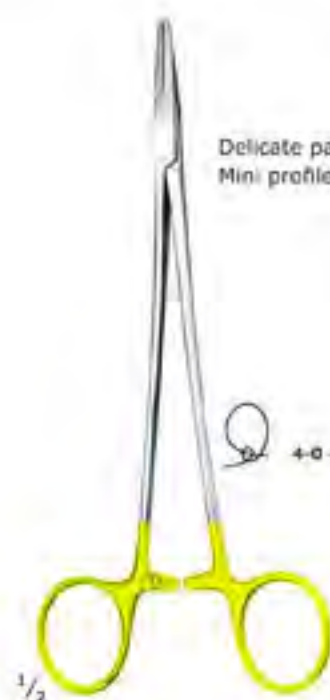


## Needle Holders





## Needle Holders



**DeBakey**

Delicate pattern  
Mini profile

$\frac{1}{4}$

**S-20-646-18**  
18 cm / 7"

**S-20-646-20**  
20 cm / 8"

**S-20-646-23**  
23 cm / 9"



4-0-5-0

$\frac{1}{4}$

**S-20-646-26**  
26 cm / 10  $\frac{1}{4}$ "

**S-20-646-31**  
31 cm / 12  $\frac{1}{4}$ "

$\frac{1}{4}$

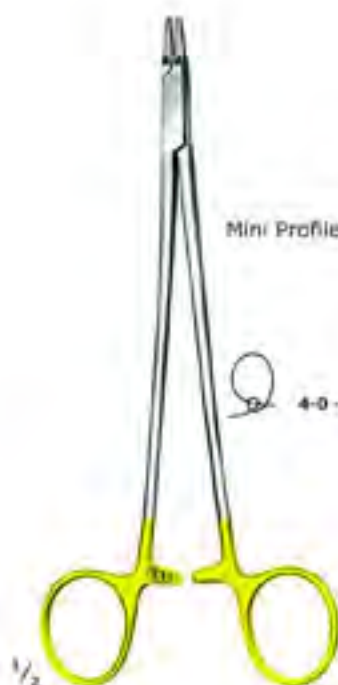
**S-20-648-27**  
26.5 cm / 10  $\frac{1}{2}$ "  
Standard  
Profile



0-0-4-0



**Masson**



**Ryder (Martin)**

Mini Profile

$\frac{1}{4}$

**S-20-650-13**  
12.5 cm / 5"

**S-20-650-15**  
15 cm / 6"

**S-20-650-18**  
18 cm / 7"



4-0-6-0

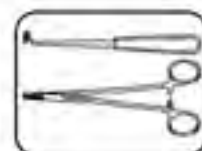
$\frac{1}{4}$

**S-20-650-20**  
20 cm / 8"

**S-20-650-23**  
23 cm / 9"

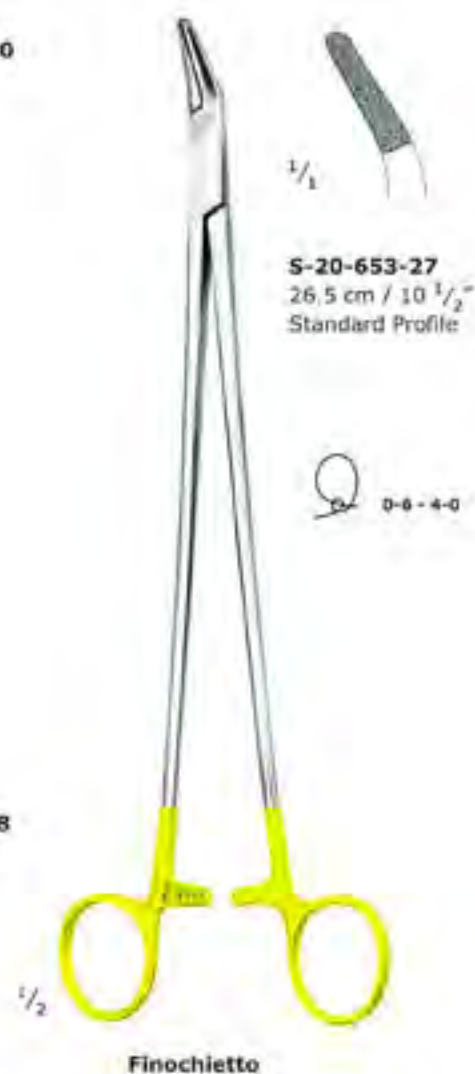
**S-20-650-26**  
26 cm / 10  $\frac{1}{4}$ "

## Needle Holders



Micro profile  
standard type

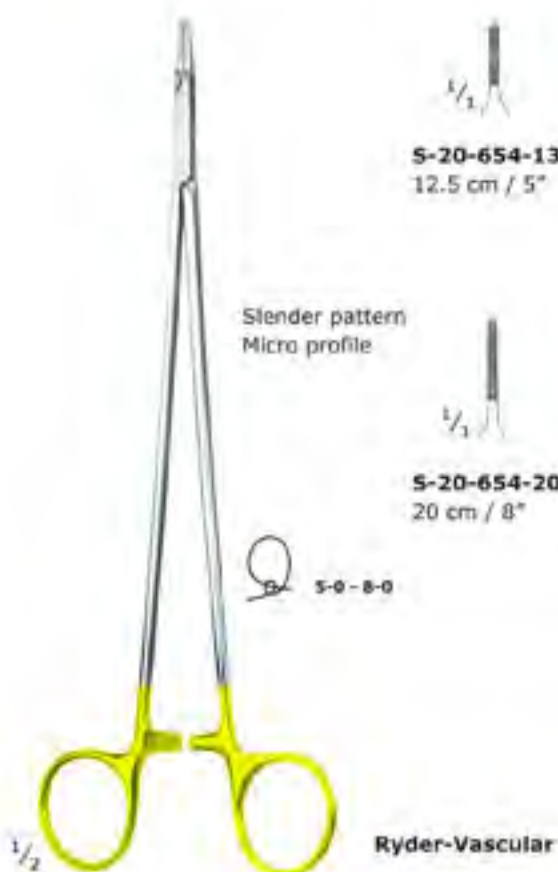
		
<b>S-20-652-15</b> 15 cm / 6"	<b>S-20-652-17</b> 17 cm / 6 <sup>3</sup> / <sub>4</sub> "	<b>S-20-652-20</b> 20 cm / 8"






<sup>1</sup>/<sub>1</sub>

**S-20-653-27**  
26,5 cm / 10 <sup>1</sup>/<sub>2</sub>"  
Standard Profile




0-6-4-0



Slender pattern  
Micro profile

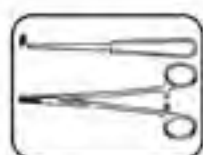
		
<b>S-20-654-13</b> 12,5 cm / 5"	<b>S-20-654-15</b> 15 cm / 6"	<b>S-20-654-18</b> 17,5 cm / 7"

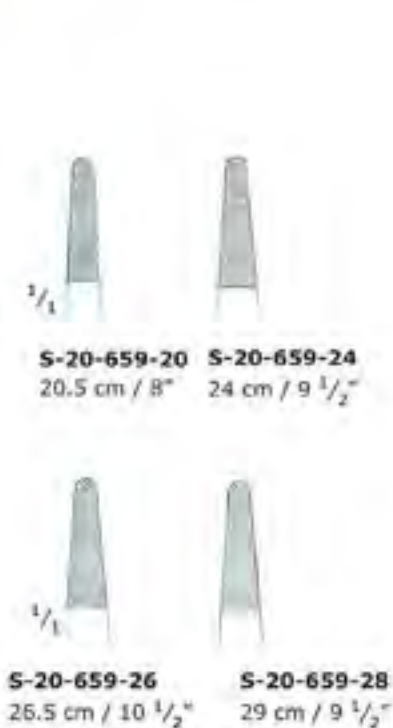
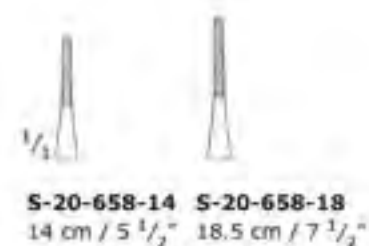
		
<b>S-20-654-20</b> 20 cm / 8"	<b>S-20-654-23</b> 22,5 cm / 8 <sup>3</sup> / <sub>4</sub> "	<b>S-20-654-26</b> 26 cm / 10 <sup>1</sup> / <sub>4</sub> "

5-0-8-0

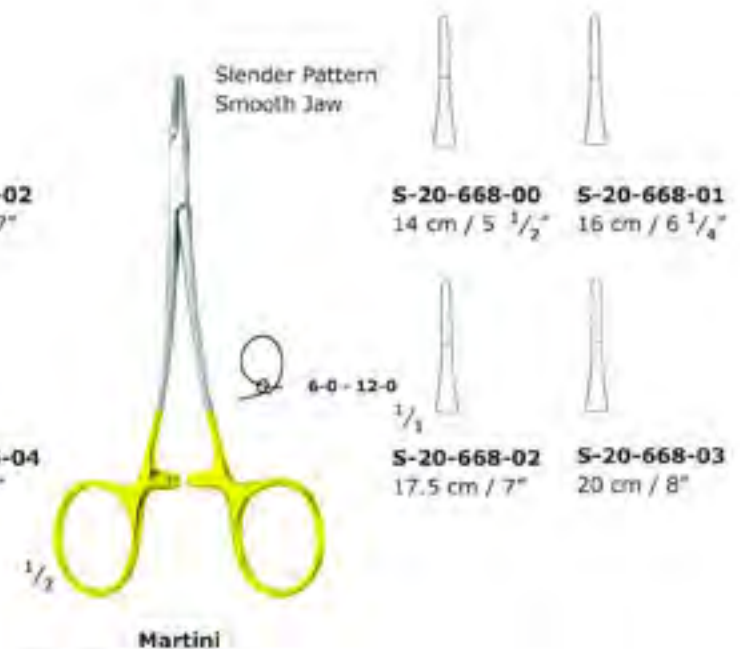
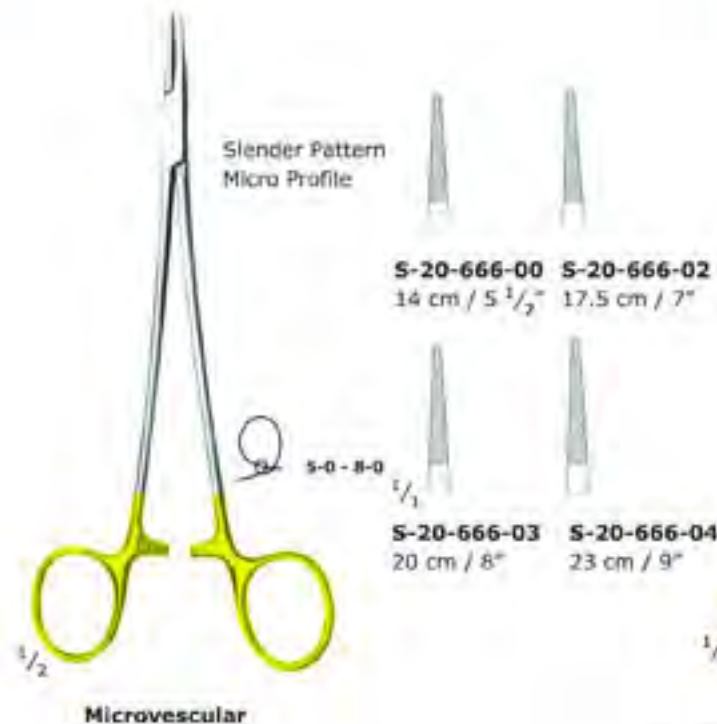
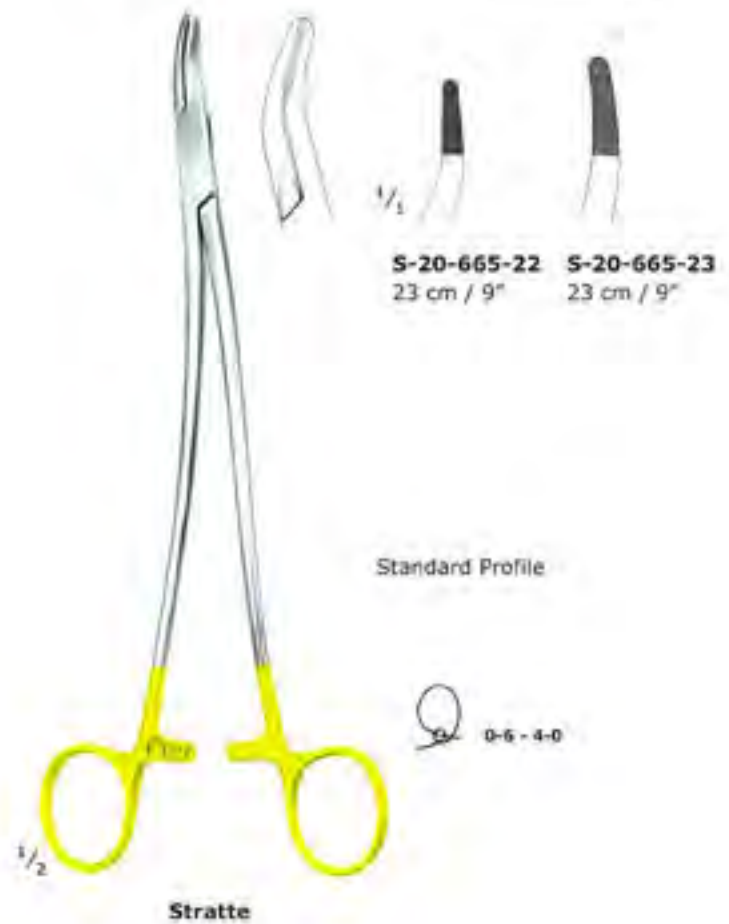
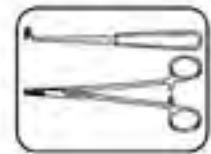


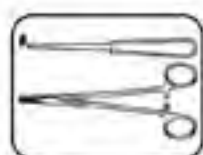


## Laryngoscopes and Accessories

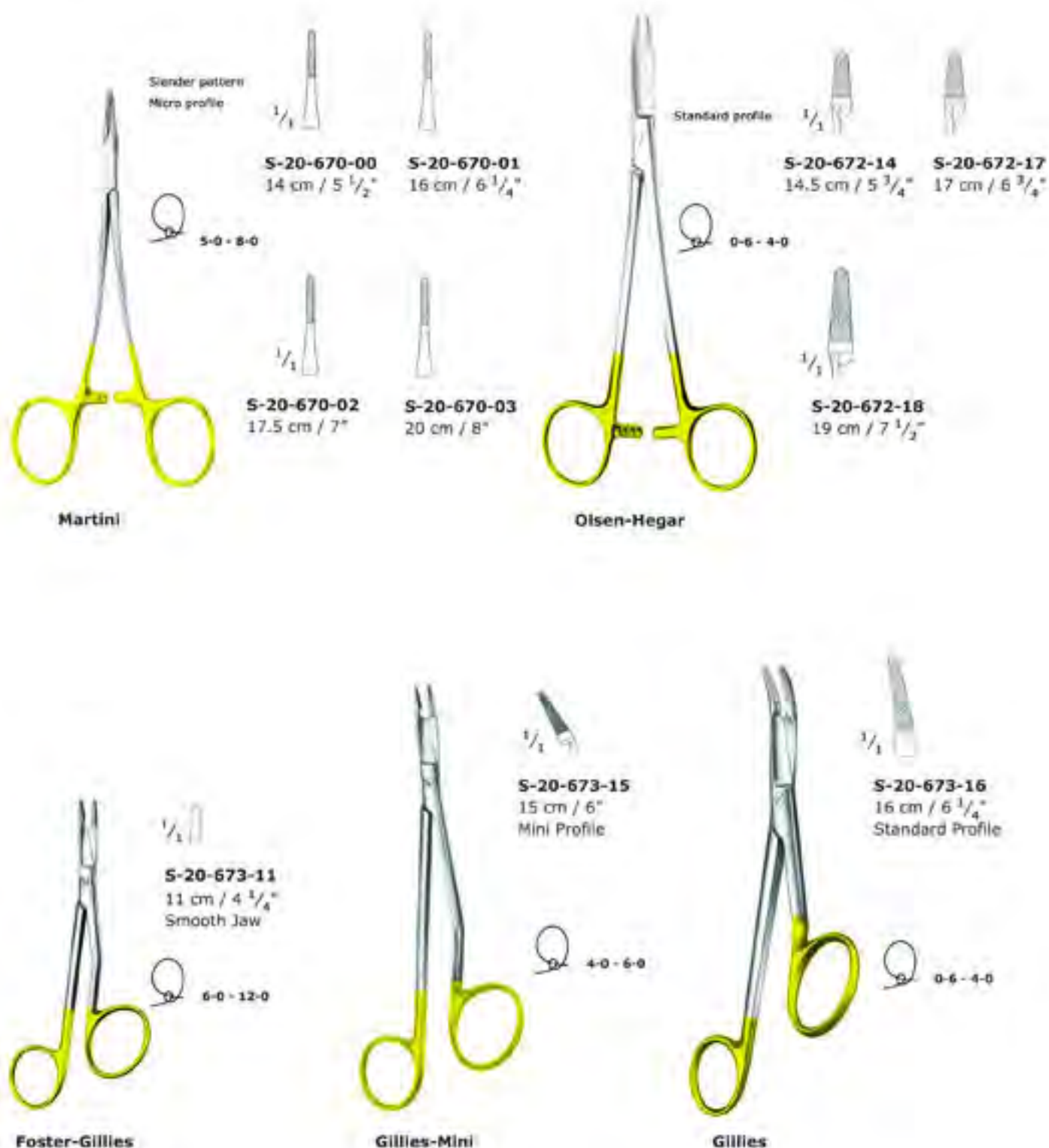


## Needle Holders

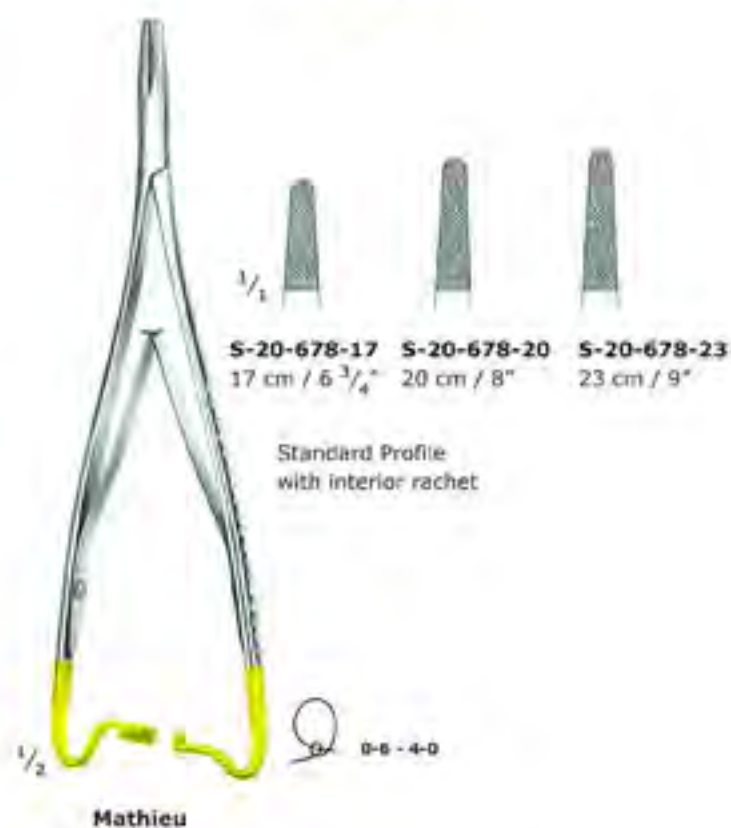
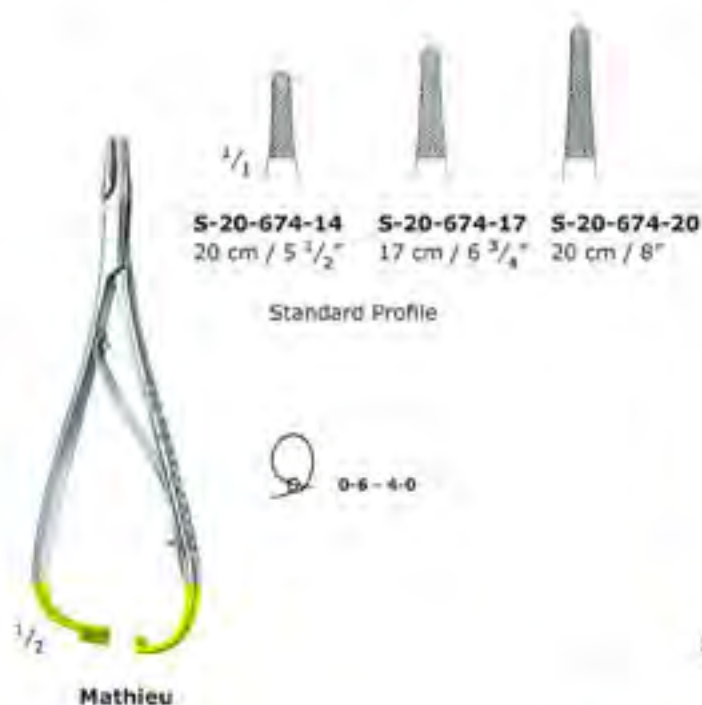
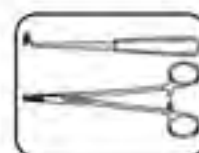


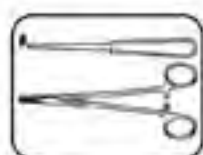


## Needle Holders



## Needle Holders





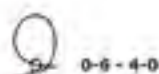
## Needle Holders



Toennis



**S-20-684-18**  
18.5 cm / 7 1/4"  
Standard Profile



Lichtenberg



**S-20-686-20**  
20 cm / 8"  
Lightweight model  
standard profile



Langenbeck



**S-20-692-18**  
18 cm / 7"

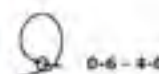


**S-20-692-20**  
20.5 cm / 8"



**S-20-692-23**  
23 cm / 9"

Standard Profile



Zweifel



**S-20-692-20**  
20.5 cm / 8"



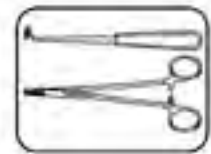
**S-20-696-23**  
23 cm / 9"

with hinged ratchet  
standard profile





## Reverdin Needles



short

1/2

**Fig. 1**  
**S-20-701-15**  
14.5 cm / 5 3/4"



**Fig. 2**  
**S-20-701-15**  
14.5 cm / 5 3/4"



**Fig. 3**  
**S-20-703-15**  
14.5 cm / 5 3/4"



**Fig. 4**  
**S-20-704-15**  
14.5 cm / 5 3/4"

Reverdin



medium

1/2

**Fig. 1**  
**S-20-721-19**  
19.5 cm / 7 3/4"  
**S-20-741-23**  
23 cm / 9"



**Fig. 2**  
**S-20-722-19**  
19.5 cm / 7 3/4"  
**S-20-742-23**  
23 cm / 9"



**Fig. 3**  
**S-20-723-19**  
19.5 cm / 7 3/4"  
**Fig. 3**  
**S-20-743-23**  
23 cm / 9"



**Fig. 4**  
**S-20-724-19**  
19.5 cm / 7 3/4"  
**S-20-744-23**  
19.5 cm / 9"

long

1/2

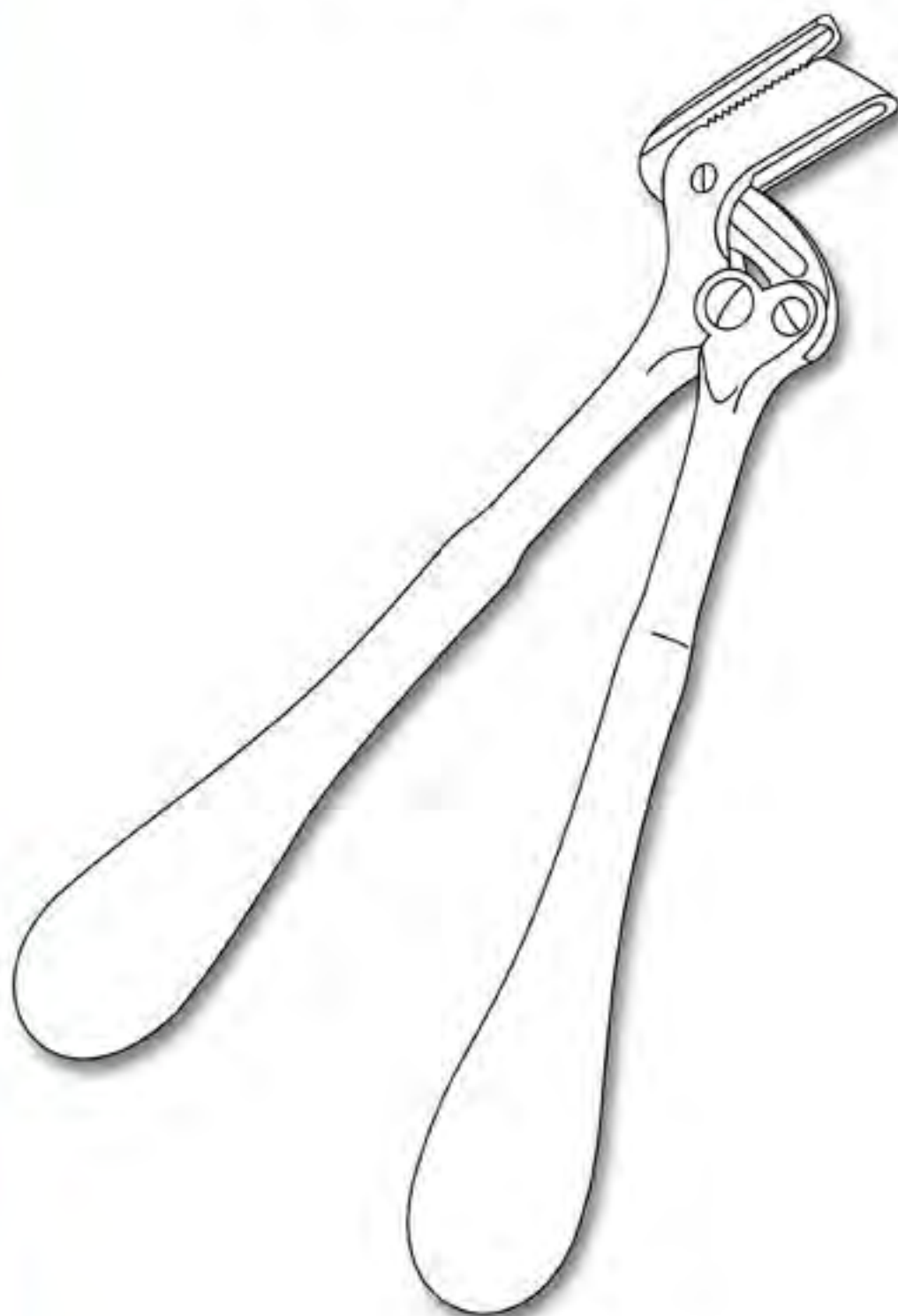
Reverdin

**S-20-721-19- S-20-724-19**

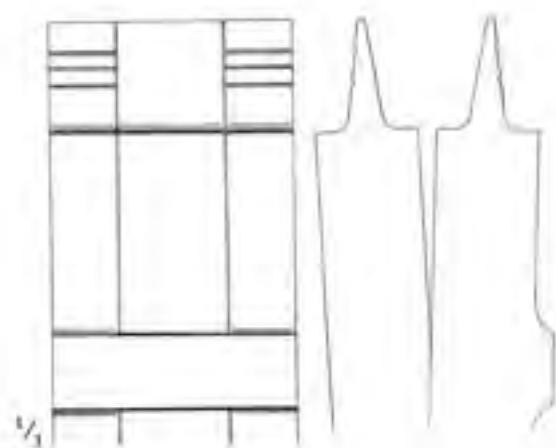
Reverdin

**S-20-741-23- S-20-744-23**

## Dressings



## Plaster Spreaders

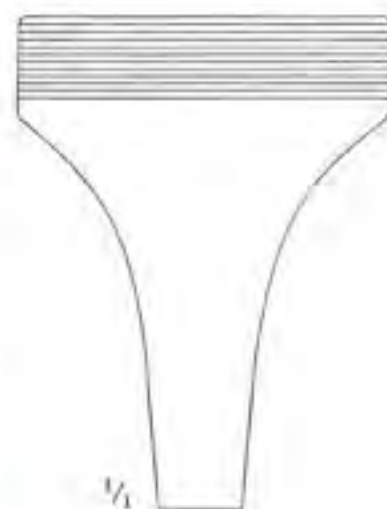


**Hermann**  
**S-21-518-48**  
48 cm / 19"

heavy pattern



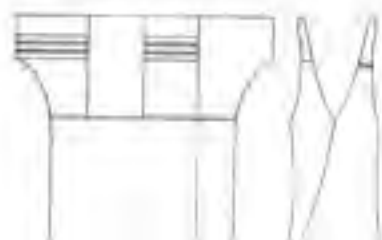
**Hennig**  
**S-21-520-28**  
28 cm / 11"







## Plaster Spreaders, Plaster Breakers



**Quattro**  
**S-21-522-23**  
23 cm / 9"



**Wolff**



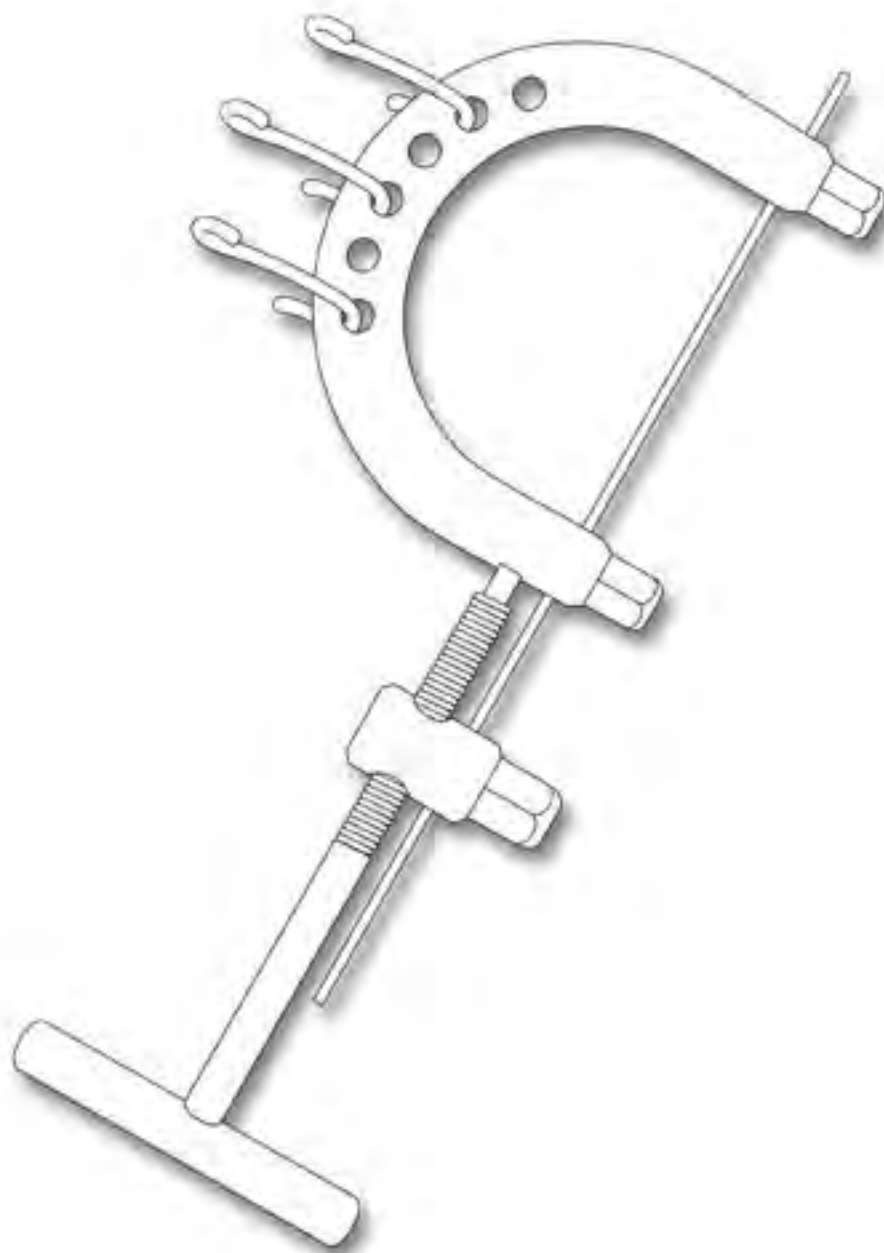
**S-21-541-18**  
18 cm / 7"



**S-21-545-24**  
26.5 cm / 10 1/2"



## Bone Surgery



## Amputation Saws



Spare Saw Blades  
wide

**Charrière**

**S-22-101-92** = 12 mm

**S-22-101-95** = 15 mm

**S-22-101-98** = 18 mm

**Charrière**  
**S-22-101-35**  
35 cm / 13  $\frac{3}{4}$ "



Spare Saw Blades  
wide

**Bier**

**S-22-103-83** = 4 mm

**S-22-103-85** = 6 mm

**S-22-103-87** = 8 mm

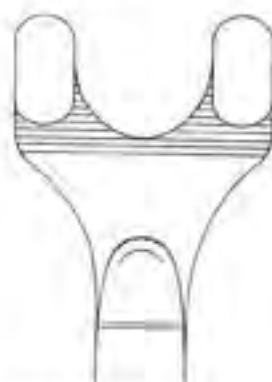
**Bier**  
**S-22-103-39**  
40.5 cm / 16"



## Bone Holding Clamps, Traction Bar



**S-22-387-18**  
18 cm / 7"



**S-22-387-20**  
20 cm / 8"



**S-22-387-22**  
22 cm / 8 3/4"



Gerster-Lowman

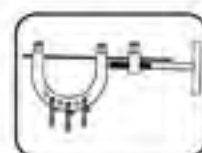


Gerster  
S-22-389-15



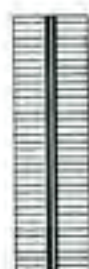
S-22-387-18 ... S-22-387-22

## Wire Twisting Forceps





# Flat Nose Pliers, Vise Grip, Combi-Flat Nose Plier



**S-22-505-17**  
18.5 cm / 7 1/4"  
parallel grip  
stainless steel



**S-22-507-18**  
20.5 cm / 18"  
stainless steel



**S-22-510-15**  
15 cm / 6"  
for bending and cutting

## Flat Nose Pliers



Flat Nose Plier, pointed





## Wire Cutting Pliers



**S-22-523-16**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



### TC GOLD



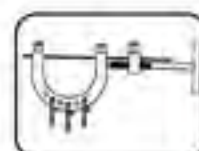
**S-22-524-15**  
15 cm / 7"



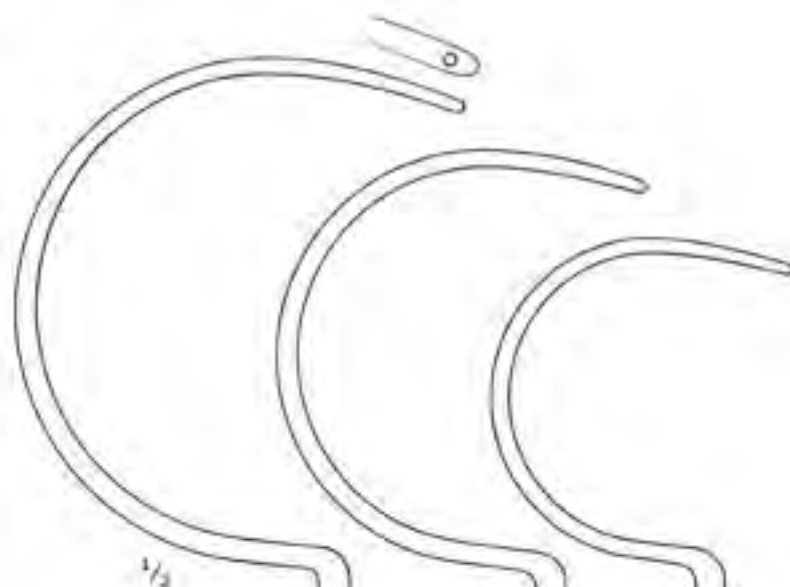
**S-22-526-18**  
17,5 cm / 7"

Wire Cutting Plier

# Bone Wire, Wire Guides, Wire Tightener Extension Pins, Extension Bows



Demel



S-22-535-01

Fig. 1

31 cm / 12 1/4"

S-22-535-02

Fig. 2

29 cm / 11 1/2"

S-22-535-03

Fig. 3

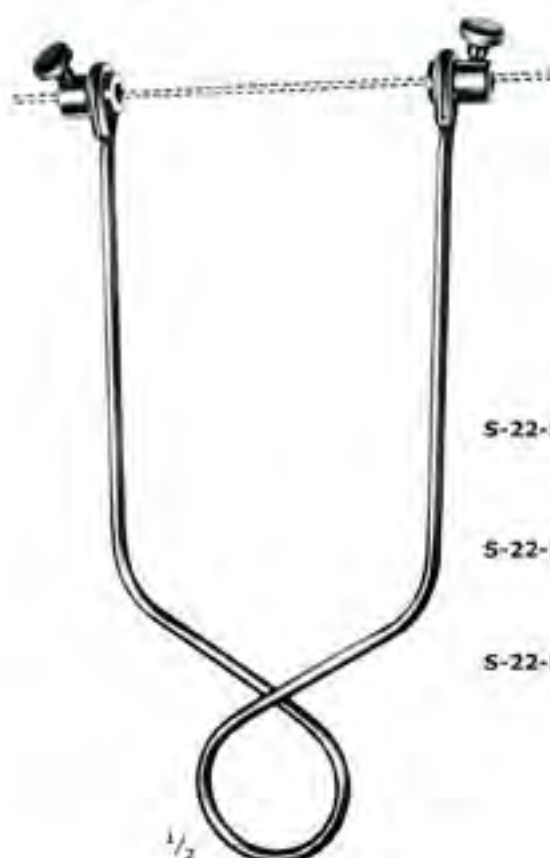
28 cm / 11"



Loute

S-22-542-21

21 cm / 8 1/4"



S-22-565-15

210 x 150 mm  
8" x 6"

for femur and knee

S-22-565-16

160 x 90 mm  
6 1/8" x 3 1/2"

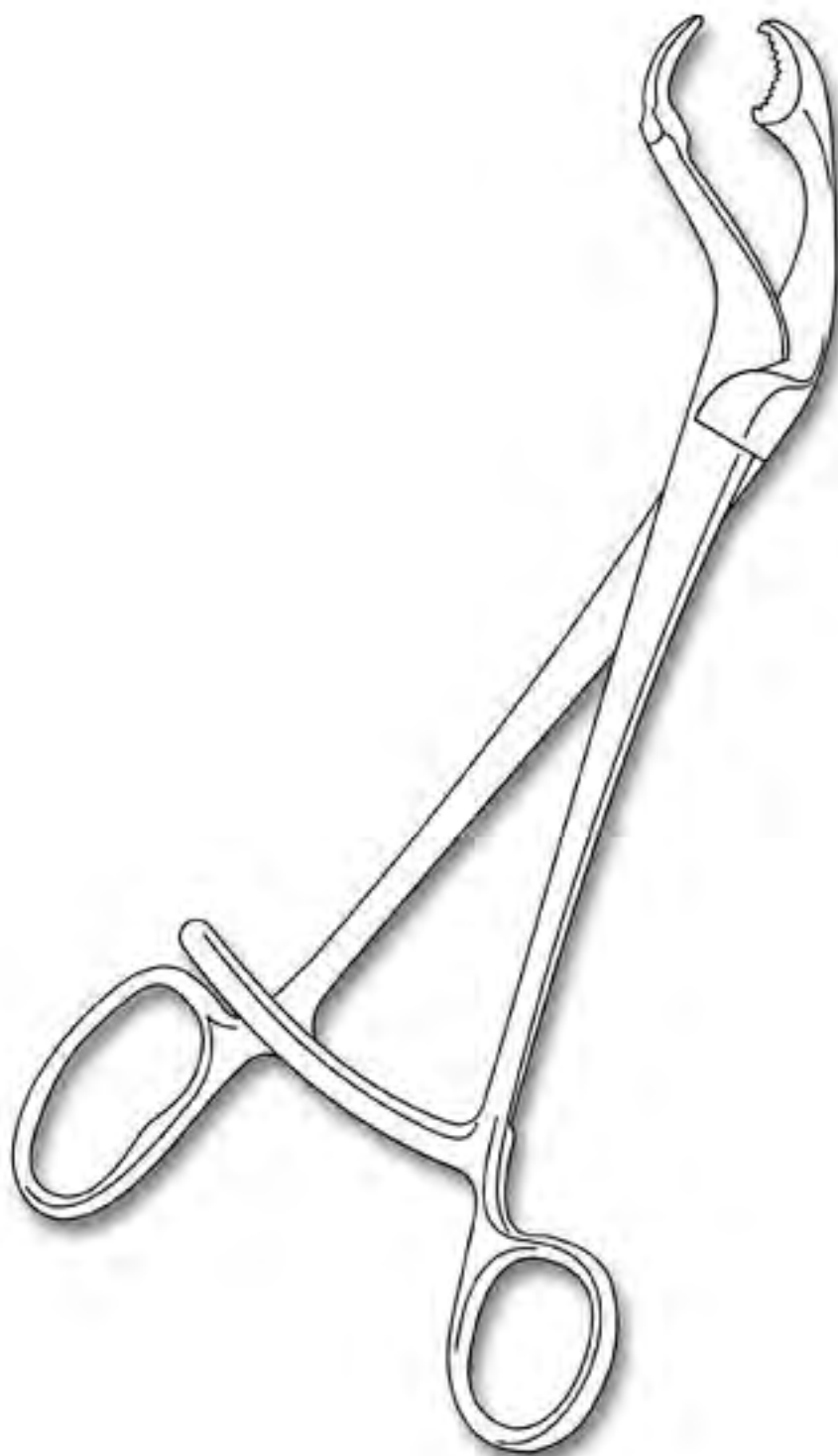
for arm

S-22-565-21

210 x 110 mm  
8 1/4" x 4 1/2"

for femore & knee

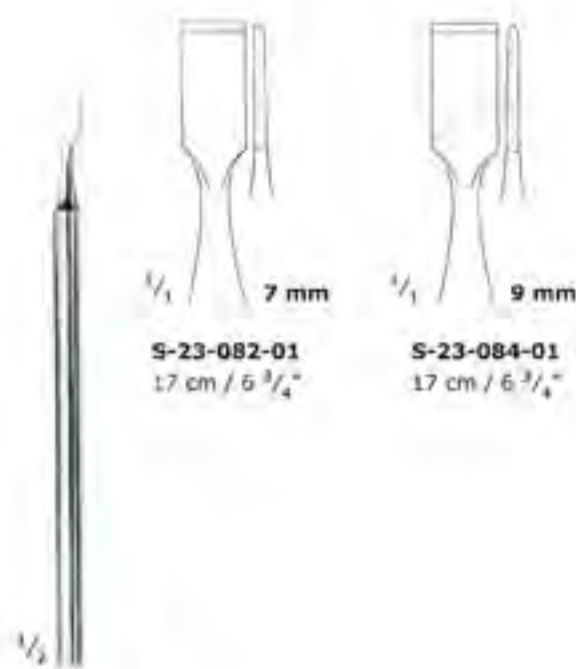
## Bone Surgery



# Gouges, Bone Chisels, Osteotomes



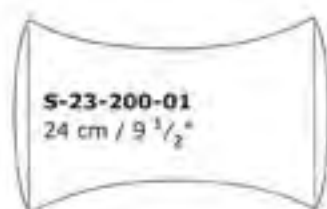
Snyder-O.S.U.



O.S.U.



## Bone Biopsy Instruments

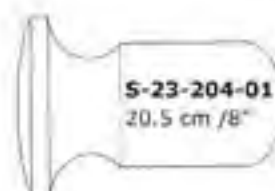


**S-23-200-01**

24 cm / 9 1/2"

Head Weight

26 mm Ø 300 gr.

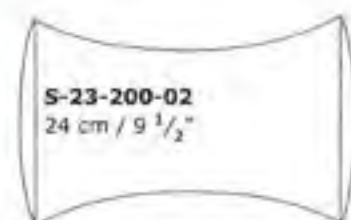


**S-23-204-01**

20.5 cm / 8"

Head Weight

25 mm Ø 120 gr.

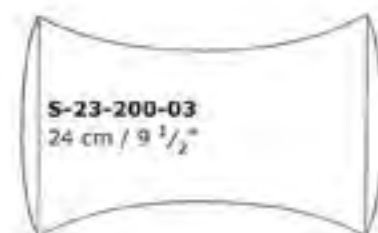


**S-23-200-02**

24 cm / 9 1/2"

Head Weight

28 mm Ø 340 gr.

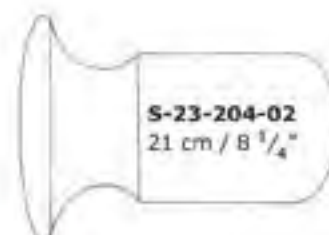


**S-23-200-03**

24 cm / 9 1/2"

Head Weight

30 mm Ø 400 gr.

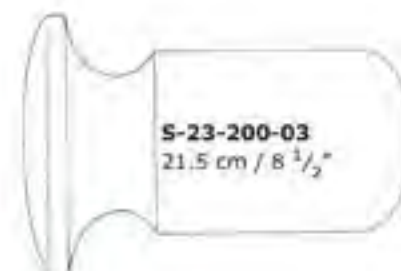


**S-23-204-02**

21 cm / 8 1/4"

Head Weight

30 mm Ø 180 gr.



**S-23-200-03**

21.5 cm / 8 1/2"

Head Weight

35 mm Ø 260 gr.



1/2  
Williger  
Lead Filled

1/2  
Doyen

## Mallets



Head

30 mm Ø

Weight

220 gr.

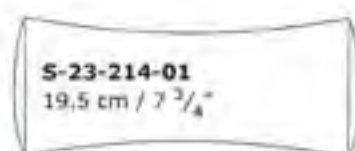
$\frac{1}{2}$

Collin  
S-23-208-20  
20 cm / 8"



$\frac{1}{2}$

Lucae

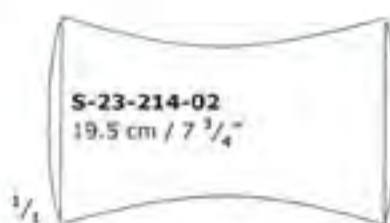


S-23-214-01  
19,5 cm / 7  $\frac{3}{4}$ "

Head

Weight

19 mm Ø 230 gr.



S-23-214-02  
19,5 cm / 7  $\frac{3}{4}$ "

Head

Weight

25 mm Ø 260 gr.



Head

30 mm Ø

Weight

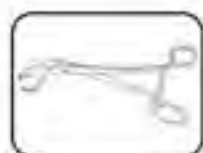
300 gr.

$\frac{1}{2}$

Cottle  
S-23-215-19  
19 cm / 7  $\frac{1}{2}$ "

Plane / Convex





## Mallets



**S-23-221-00**

Spare Facings (pair)

Plastic



Head  
20 mm Ø  
Weight  
140 gr.

$\frac{1}{2}$   
Williger  
**S-23-216-01**  
16.5 cm / 6  $\frac{1}{2}$ "



Head  
30 mm Ø  
Weight  
510 gr.

$\frac{1}{2}$   
**S-23-218-22**  
26 cm / 10  $\frac{1}{4}$ "  
Plastic Handle



Head  
27 mm Ø  
Weight  
320 gr.

Mead  
**S-23-220-17**  
19 cm / 7  $\frac{1}{2}$ "  
Kunststoffbacken



Head  
22 mm Ø  
Weight  
200 gr.

$\frac{1}{2}$   
Partsch  
**S-23-224-18**  
19 cm / 7  $\frac{1}{2}$ "  
With Hollow Handle

## Mallets



Head

42 mm Ø

Weight

400 gr.



Head

42 mm Ø

Weight

250 gr.



Head

42 mm Ø

Weight

400 gr.



Head

30 mm Ø

Weight

675 gr.

**S-23-236-01**  
26 cm / 10 <sup>1</sup>/<sub>4</sub>"

Made of plastic  
with lead filling

**S-23-236-02**  
26 cm / 10 <sup>1</sup>/<sub>4</sub>"

Made of plastic  
without lead.

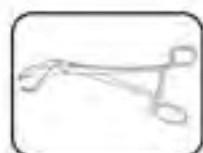
**S-23-238-26**  
26 cm / 10 <sup>1</sup>/<sub>4</sub>"

Made of plastic  
with lead filling

**S-23-240-29**  
26.5 cm / 10 <sup>1</sup>/<sub>2</sub>"

Plane (nylon) / convex (steel)  
plastic handle





## Mallets



**S-23-255-00**

Spare Facings (pair)

plastic



Head

42/30 mm Ø

Weight

530 gr.

$\frac{1}{2}$

**S-23-242-24**  
26 cm / 10  $\frac{1}{4}$ "

Plastic handle



Head

30 mm Ø

Weight

480 gr.

$\frac{1}{2}$

**S-23-244-24**  
24 cm / 9  $\frac{1}{2}$ "

Plastic handle



Head

37 mm Ø

Weight

370 gr.

$\frac{1}{2}$

**S-23-254-22**  
24 cm / 9  $\frac{1}{2}$ "

disks and handle of plastic



Head

30 mm Ø

Weight

125 gr.

$\frac{1}{2}$

**S-23-256-18**  
22 cm / 8  $\frac{3}{4}$ "

made of plastic

## Mallets



$\frac{1}{2}$

Vickers  
S-23-262-90

Spare Facings (pair)

plastic (Nylon)



Head

30 mm Ø

Weight

450 gr.

$\frac{1}{2}$

S-23-260-01  
26.5 cm / 10  $\frac{1}{2}$ "

Plastic handle



Head

50 mm Ø

Weight

900 gr.

$\frac{1}{2}$

S-23-260-02  
26.5 cm / 10  $\frac{1}{2}$ "

Plastic handle



Head

25 mm Ø

Weight

300 gr.

$\frac{1}{2}$

Vickers  
S-23-262-19  
19 cm / 7  $\frac{1}{2}$ "

nylon disks  
Plastic handle



Head

25 mm Ø

Weight

300 gr.

$\frac{1}{2}$

Herbert  
S-23-264-19  
19 cm / 7  $\frac{1}{2}$ "

for ulnar head prosthesis  
Plastic handle



## Bone Curettes



## Bone Curettes

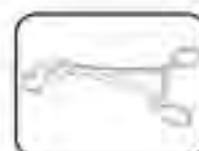


Fig. 0000

**S-23-304-40**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 000

**S-23-304-30**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 0000

**S-23-308-40**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 000

**S-23-308-30**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 000

**S-23-300-30**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 000

**S-23-300-20**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 00

**S-23-304-20**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 0

**S-23-304-10**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 00

**S-23-308-20**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 0

**S-23-308-10**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 0

**S-23-300-10**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 1

**S-23-301-01**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 1

**S-23-305-01**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 2

**S-23-305-02**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 1

**S-23-309-01**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 2

**S-23-309-02**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 2

**S-23-301-02**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 3

**S-23-301-03**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 3

**S-23-305-03**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 4

**S-23-305-04**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 3

**S-23-309-03**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 4

**S-23-309-04**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 4

**S-23-305-04**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 5

**S-23-305-05**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 6

**S-23-305-06**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 5

**S-23-309-05**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 6

**S-23-309-06**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



**Schede**

Oval,  
With Hollow Handle.



**Volkmann**

Oval,  
With Hollow Handle.



**Bruns**

Round,  
With Hollow Handle.



## Bone Curettes



Fig. 0000

**S-23-312-40**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 0000

**S-23-312-30**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 0000

**S-23-334-30**  
23 cm / 9"



Fig. 00

**S-23-334-20**  
23 cm / 9"



Fig. 00

**S-23-312-20**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 0

**S-23-312-10**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 0

**S-23-334-10**  
23 cm / 9"



Fig. 1

**S-23-335-01**  
23 cm / 9"



Fig. 1

**S-23-313-01**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 2

**S-23-313-02**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 2

**S-23-335-02**  
23 cm / 9"



Fig. 3

**S-23-335-03**  
23 cm / 9"



Fig. 3

**S-23-313-03**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 4

**S-23-313-04**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 4

**S-23-335-04**  
23 cm / 9"



Fig. 5

**S-23-335-05**  
23 cm / 9"



Fig. 5

**S-23-313-05**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"



Fig. 6

**S-23-335-06**  
23 cm / 9"



Fig. 6

**S-23-335-06**  
23 cm / 9"



Fig. 6

**S-23-335-06**  
23 cm / 9"



Fig. 1

**S-23-336-25**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



Fig. 1

**S-23-337-25**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



Fig. 1

**S-23-339-25**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"

<sup>1</sup>/<sub>2</sub>



**Spratt**

Oval, with hollow handle

<sup>1</sup>/<sub>2</sub>



**Bruns**

Oval, solid

<sup>1</sup>/<sub>2</sub>



**Scoville**

Oval, with hollow handle



## Bone Curettes



Fig. 1  
**S-23-340-01**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



Fig. 2  
**S-23-340-02**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



Fig. 3  
**S-23-340-03**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



Fig. 4  
**S-23-340-04**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



Fig. 5  
**S-23-340-05**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



Fig. 6  
**S-23-340-06**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"



Simon

Oval, with hollow handle



Modell USA

Oval, with hollow handle



Fig. 1  
**S-23-344-01**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



Fig. 2  
**S-23-344-02**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



Fig. 3  
**S-23-344-03**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



Fig. 4  
**S-23-344-04**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



Fig. 5  
**S-23-344-05**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



Fig. 6  
**S-23-344-06**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



Fig. 1  
**S-23-345-01**  
15.5 cm / 6"



Fig. 2  
**S-23-345-02**  
15.5 cm / 6"



Fig. 3  
**S-23-345-03**  
15.5 cm / 6"



Fig. 4  
**S-23-345-04**  
15.5 cm / 6"



Fig. 5  
**S-23-345-05**  
15.5 cm / 6"



Fig. 6  
**S-23-345-06**  
15.5 cm / 6"



Fig. 1  
**S-23-347-01**  
15.5 cm / 6"



Fig. 2  
**S-23-347-02**  
15.5 cm / 6"



Fig. 3  
**S-23-344-03**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



Fig. 4  
**S-23-347-04**  
15.5 cm / 6"



Fig. 5  
**S-23-347-05**  
15.5 cm / 6"



Fig. 6  
**S-23-347-06**  
15.5 cm / 6"

Fig. 1  
**S-23-350-01**  
21 cm / 8 <sup>1</sup>/<sub>4</sub>"



Fig. 2  
**S-23-350-02**  
21 cm / 8 <sup>1</sup>/<sub>4</sub>"



Fig. 3  
**S-23-350-03**  
21 cm / 8 <sup>1</sup>/<sub>4</sub>"



Halle

Oval, malleable shaft, with hollow handle



## Bone Curettes, double-ended



Volkmann



**S-23-352-13**  
12.5 cm / 5"



**S-23-352-14**  
14.5 cm / 5 3/4"



**S-23-352-17**  
17 cm / 6 3/4"



Volkmann



**S-23-354-13**  
13 cm / 5"



**S-23-354-16**  
16 cm / 6 1/4"



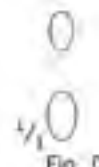
**S-23-354-20**  
20 cm / 8"



**S-23-356-21**  
21 cm / 8 1/4"



Williger



**S-23-358-00**  
13.5 cm / 5 1/4"

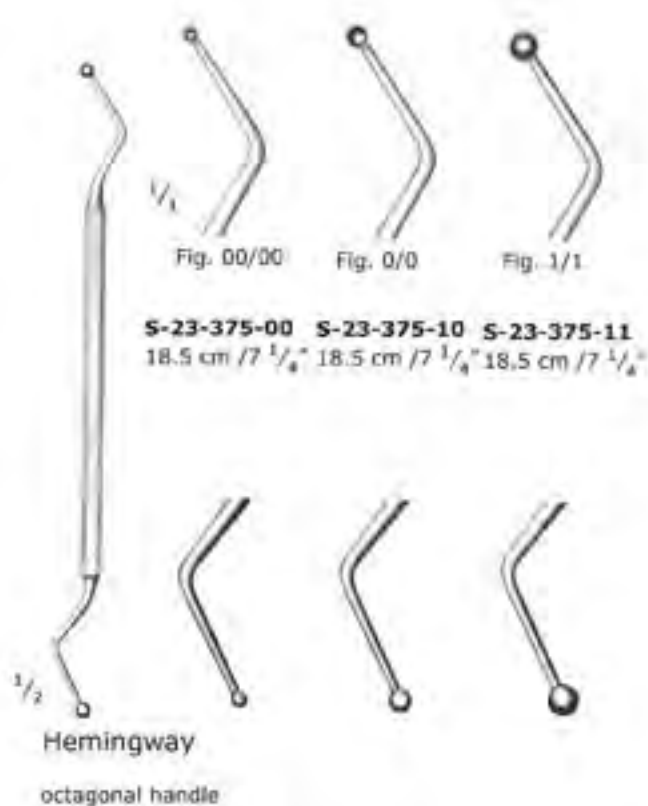
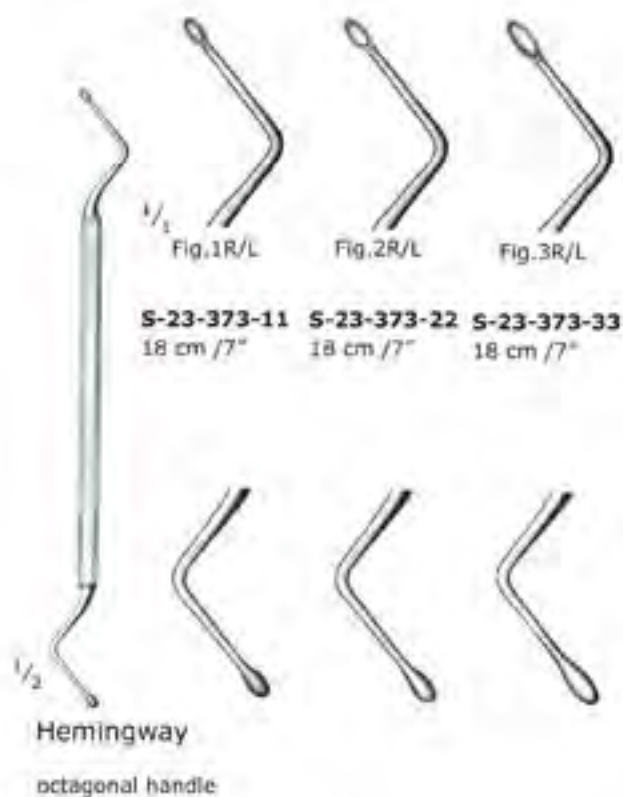
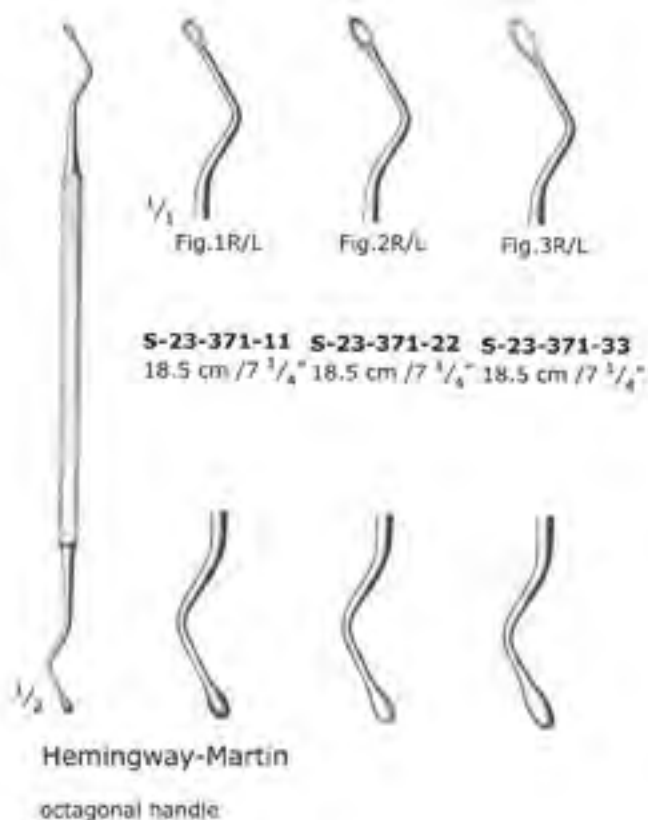
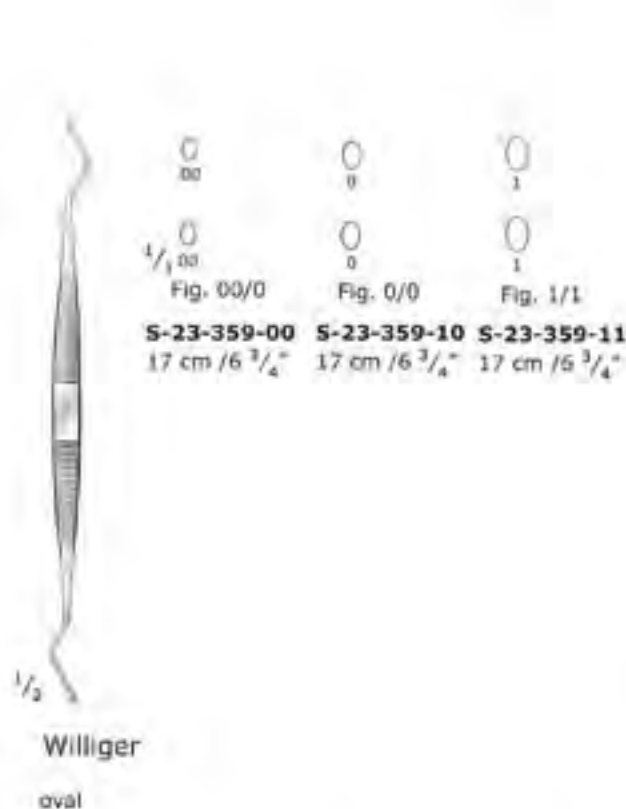


**S-23-358-01**  
13.5 cm / 5 3/4"



**S-23-358-12**  
13.5 cm / 5 1/4"

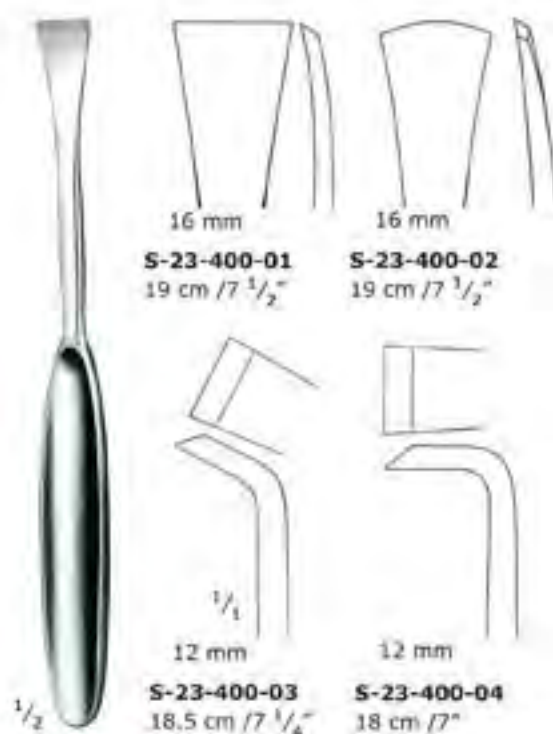
# Bone Curettes, double-ended





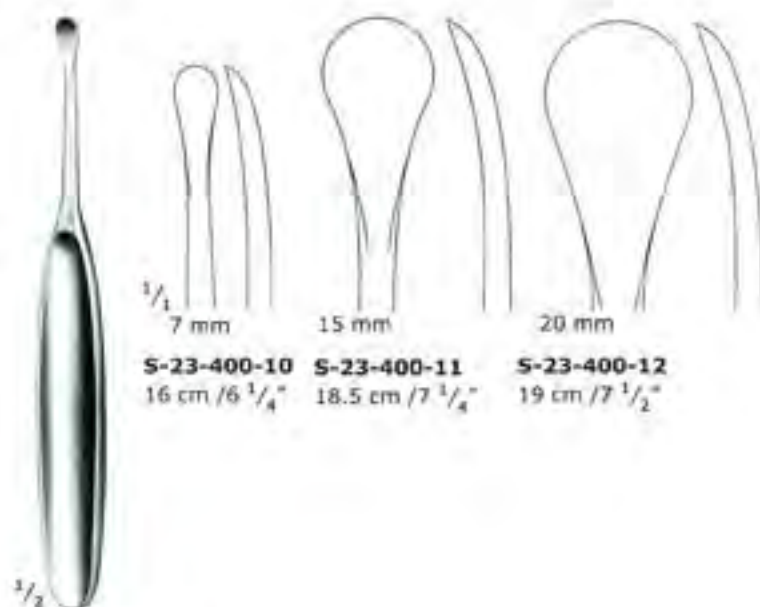


## Periosteal Elevators



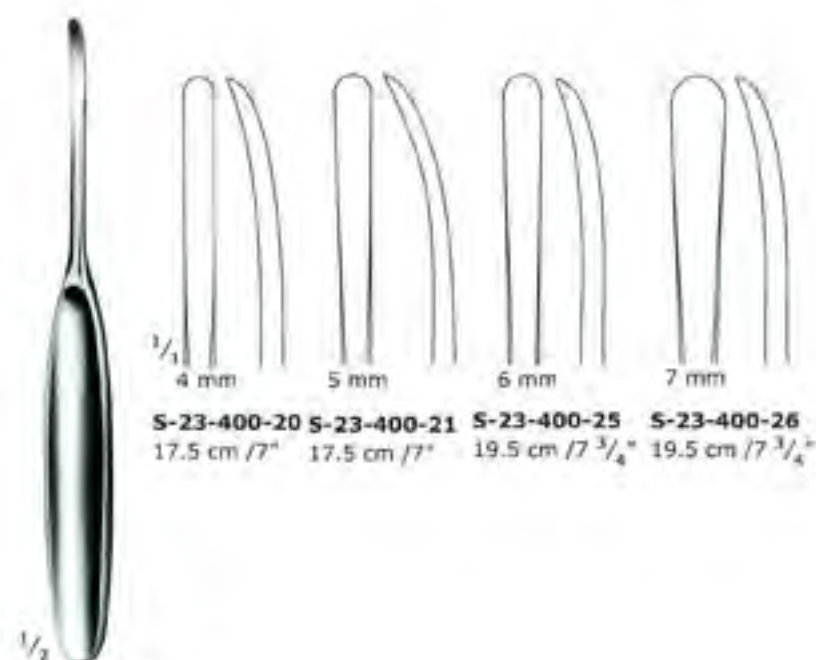
Martin-Langenbeck

solid



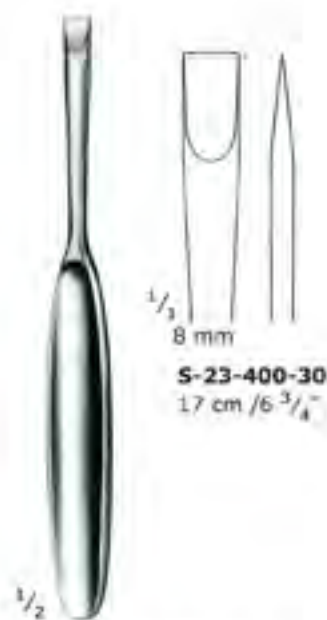
Martin-Hoen

solid



Martin-Cushing

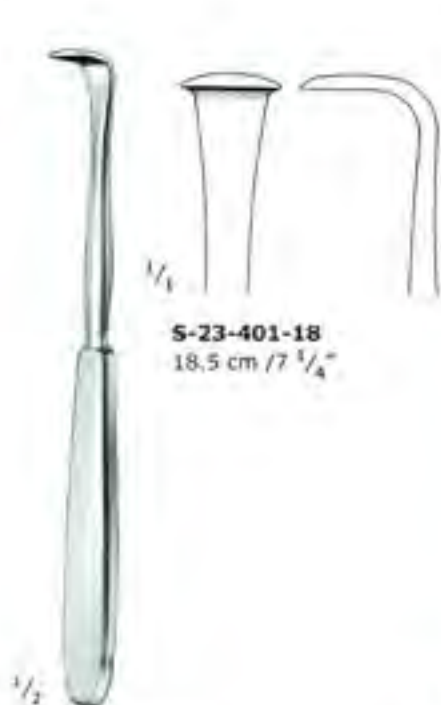
solid



Martin-Cushing

solid

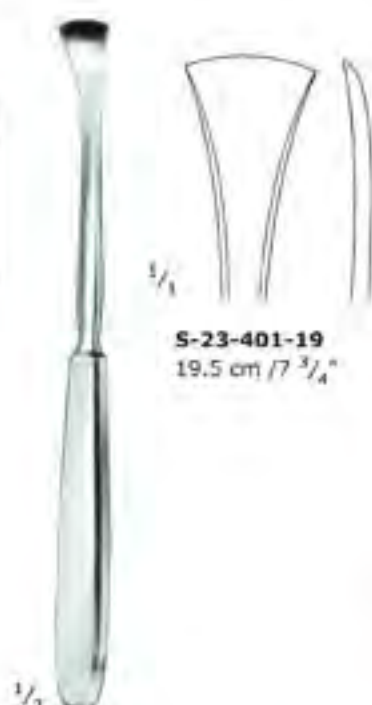
## Periosteal Elevators



**S-23-401-18**  
18.5 cm / 7 3/4"

Langenbeck

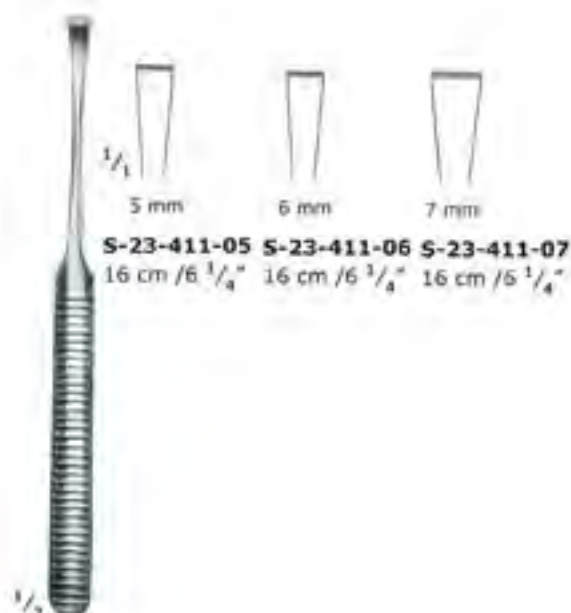
with hollow handle



**S-23-401-19**  
19.5 cm / 7 3/4"

Langenbeck

with hollow handle



**S-23-411-05** **S-23-411-06** **S-23-411-07**  
16 cm / 6 1/4" 16 cm / 6 1/4" 16 cm / 6 1/4"

delicate, solid



**S-23-418-15**  
15 cm / 6"

Farabeuf

with hollow handle



**S-23-419-15**  
15 cm / 6"

Farabeuf

with hollow handle



**S-23-427-21**  
22 cm / 8 3/4"

Sedillot



## Periosteal Elevators



with plastic handle



with plastic handle



with plastic handle



narrow, con plastic handle

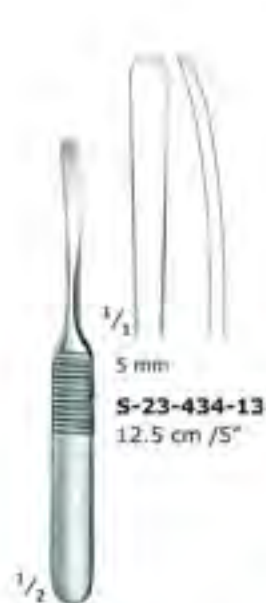


narrow, con plastic handle



extra narrow, con plastic handle

## Bone Cutting Forceps



Williger  
solid



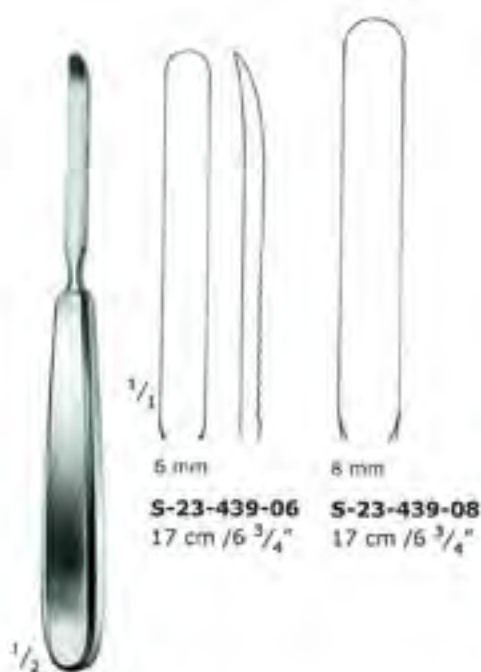
Kahre-Williger



Williger



Williger  
solid



with hollow handle



Doyen

Rib Raspatories

with hollow handle



## Periosteal Elevators, double-ended, Periosteal Elevators



**S-23-446-19**  
18.5 cm / 7 1/4"

West  
octagonal handle



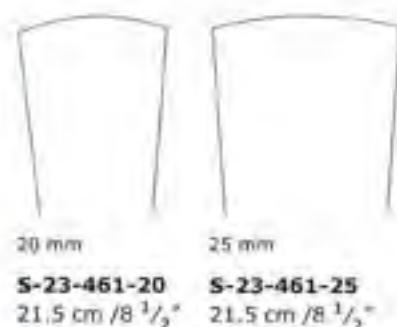
**S-23-449-17**  
17.5 cm / 7"

Ohl



**S-23-461-10**  
10 mm  
21.5 cm / 8 1/2"

**S-23-461-15**  
15 mm  
21.5 cm / 8 1/2"



**S-23-461-20**  
20 mm  
21.5 cm / 8 1/2"

**S-23-461-25**  
25 mm  
21.5 cm / 8 1/2"

Lambotte



Semb



Fig. 1  
12 mm

**S-23-450-01**  
18.5 cm / 7 1/4"

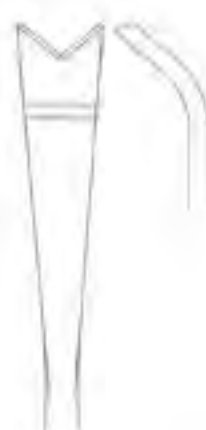


Fig. 2  
12 mm

**S-23-450-02**  
21.5 cm / 8 1/2"



Fig. 3  
13 mm

**S-23-450-03**  
18.5 cm / 7 1/4"



Fig. 4  
13 mm

**S-23-450-04**  
21.5 cm / 8 1/2"



Fig. 5  
15 mm

**S-23-450-05**  
21 cm / 8 1/4"



## Elevatoren, Bone Files



Adson



**S-23-484-17**  
17 cm / 6 3/4"



**S-23-485-17**  
17 cm / 6 3/4"



**S-23-486-17**  
17.5 cm / 7"



**S-23-487-17**  
17 cm / 6 3/4"



Miller-Colburn

downwards cutting



Fig. 1  
**S-23-490-01**  
18 cm / 7"



Fig. 2  
**S-23-490-02**  
18 cm / 7"



Fig. 3  
**S-23-490-03**  
18 cm / 7"

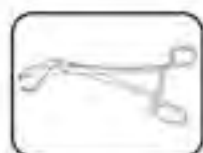


Fig. 4  
**S-23-490-04**  
18 cm / 7"

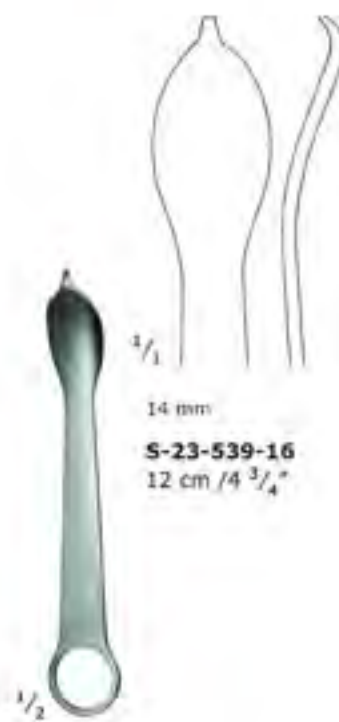
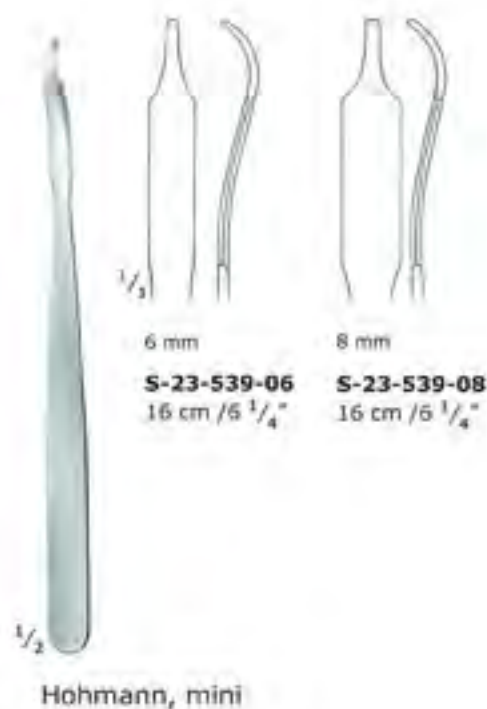
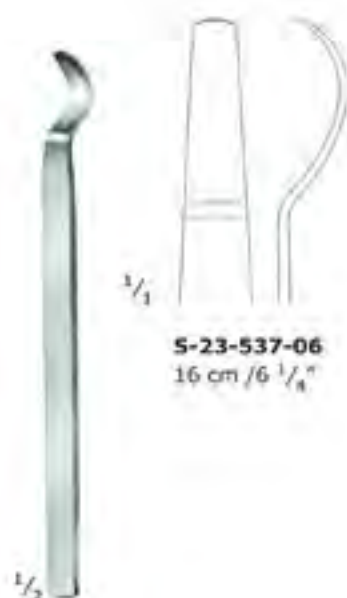


Fig. 5  
**S-23-490-05**  
18 cm / 7"





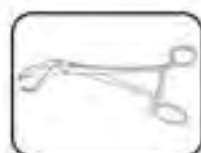
## Bone Levers



## Bone Cutting Forceps







## Bone Levers



**Hohmann**  
**S-23-543-43**  
23.5 cm / 9 <sup>1</sup>/<sub>4</sub>"  
Narrow Tip

**Hohmann**  
**S-23-545-22**  
25.5 cm / 10"  
Wide Tip

**Hohmann**  
**S-23-545-35**  
29 cm / 11 <sup>1</sup>/<sub>2</sub>"  
Wide Tip

**Hohmann**  
**S-23-547-24**  
27.5 cm / 10 <sup>3</sup>/<sub>4</sub>"  
Wide, Round Tip

**Lange-Hohmann**  
**S-23-549-22**  
25 cm / 9 <sup>3</sup>/<sub>4</sub>"  
Wide Tip with Groove

## Bone Levers



$\frac{1}{2}$

**Bennett**



43 mm

$\frac{1}{2}$

**S-23-559-24**  
24 cm / 9  $\frac{1}{2}$ "

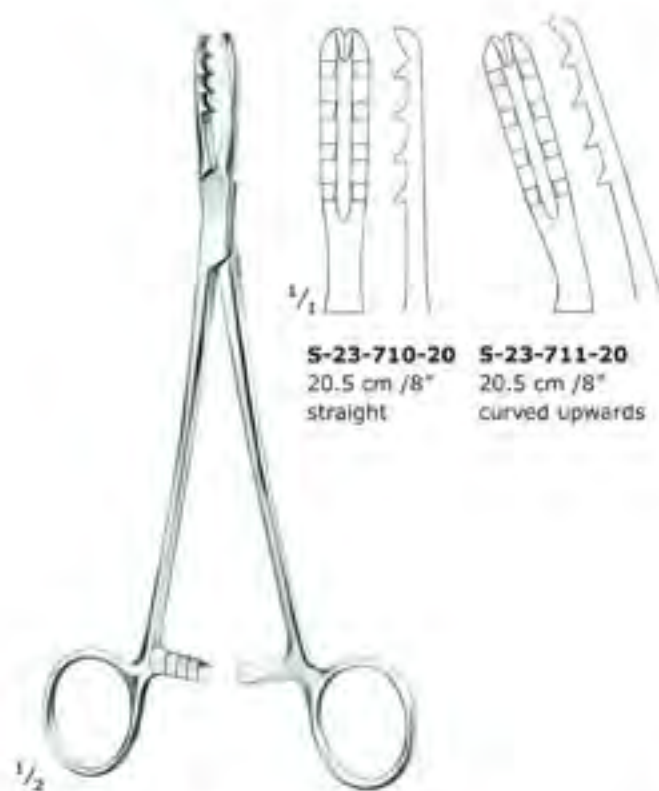


60 mm

**S-23-561-24**  
23.5 cm / 9  $\frac{1}{4}$ "



## Cartilage Seizing Forceps



**S-23-710-20**  
20.5 cm / 8"  
straight

**S-23-711-20**  
20.5 cm / 8"  
curved upwards

**Bircher-Ganske**



**S-23-713-20**  
20 cm / 8"  
curved sideways

**Bircher-Ganske**



**S-23-715-19**  
18.5 cm / 7 1/4"

**Dingmann**



**S-23-716-19**  
18.5 cm / 7 1/4"

**Martin**

# Reposition Forceps, Bone Holding Forceps



**S-23-717-12**  
13.5 cm / 5 1/4"  
long ratchet

pointed



**S-23-718-17**  
18.5 cm / 7 1/4"

**Lewin**



**S-23-720-14**  
14 cm / 5 1/2"  
delicate



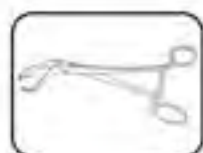
**S-23-721-14**  
15 cm / 6"  
long ratchet

pointed



**S-23-722-21**  
21 cm / 8 1/4"

**Langenbeck**



## Bone Holding Forceps, Reposition Forceps



**S-23-724-21**  
21 cm / 8 1/4"  
heavy pattern

1/2

**Fergusson**



**S-23-726-18**  
18 cm / 7"

1/2

**Frosch**



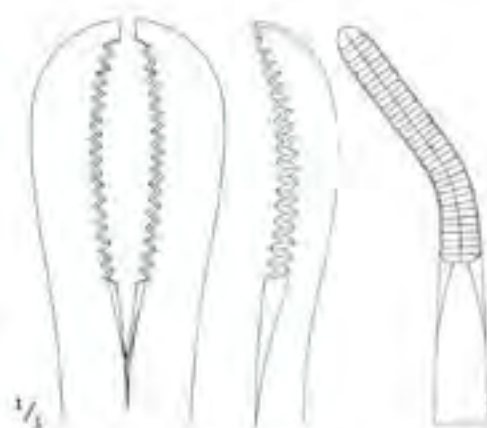
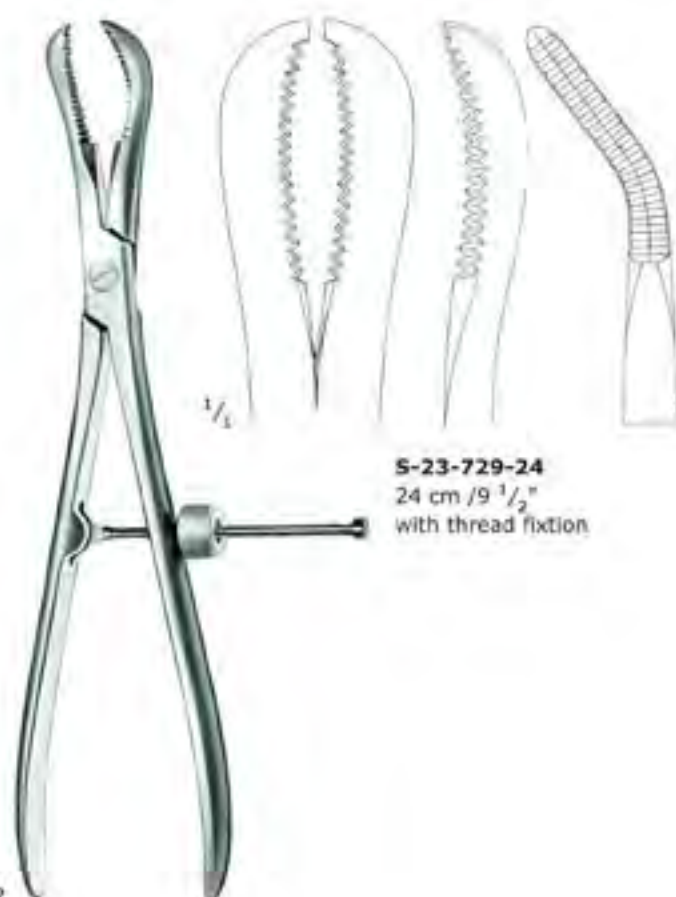
**S-23-727-20**  
20 cm / 8"

1/2



**S-23-729-16**  
17 cm / 6 3/4"  
with thread fixation

1/2

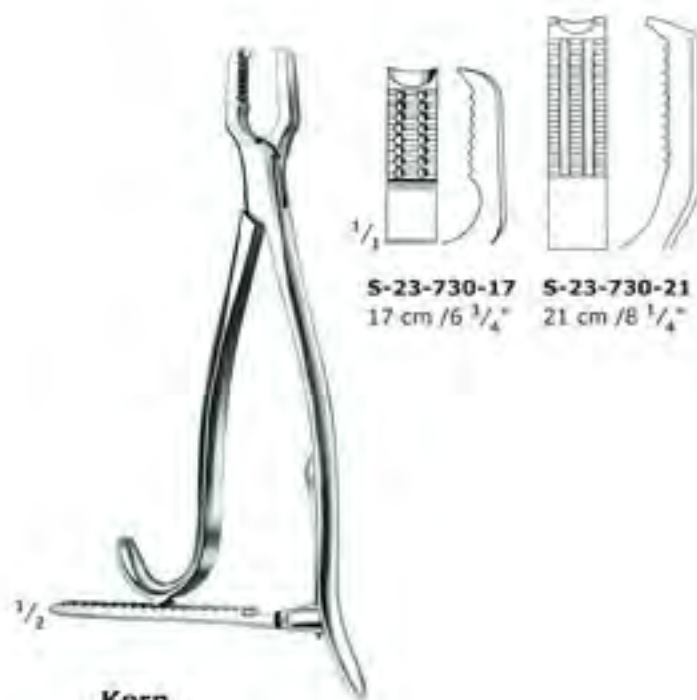


**S-23-729-24**  
24 cm / 9 1/2"  
with thread fixation

1/2



## Bone Holding Forceps



Kern



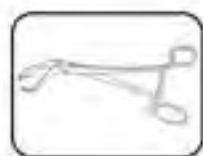
Semb



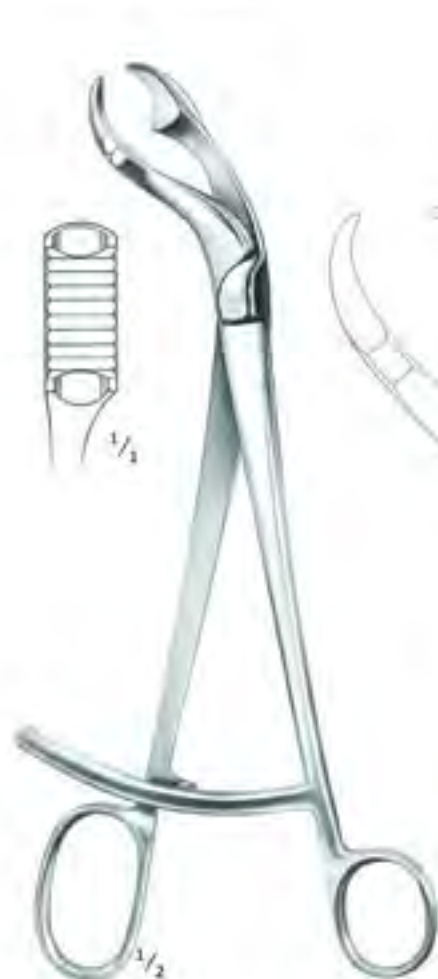
Farabeuf



Farabeuf



## Bone Holding Forceps, Amputation Retractor



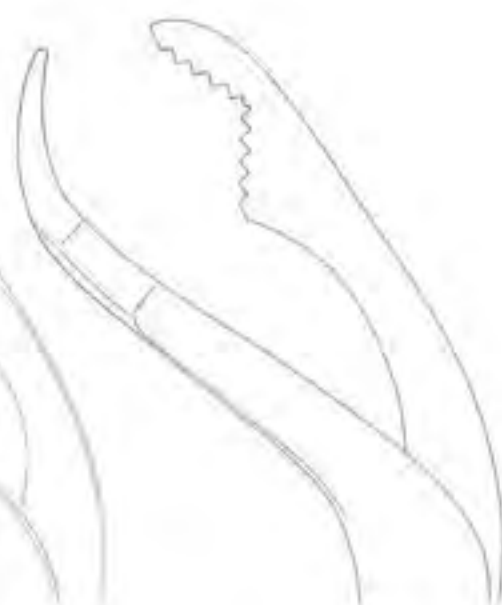
**Verbrugge**



**S-23-755-01**  
25 cm / 9 3/4"



**S-23-755-02**  
26 cm / 10 1/4"



**S-23-755-03**  
27 cm / 10 3/4"



**Verbrugge**



**S-23-757-01**  
17.5 cm / 7"

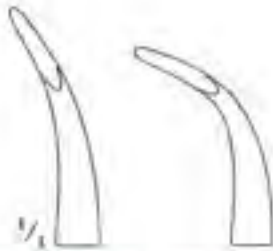


**Percy**  
**S-23-762-30**  
detachable

# Bone Rongeurs



Stellbrink



**S-23-777-01 S-23-777-02**  
17.5 cm / 7" 16.5 cm / 6 1/2"



Friedmann



**S-23-799-12**  
12.5 cm / 5"



Friedmann



**S-23-801-14**  
13.5 cm / 5 1/4"



Friedmann



**S-23-803-14**  
13.5 cm / 5 1/4"



Cleveland



**S-23-805-14**  
13.5 cm / 5 1/4"



Cleveland



**S-23-807-17**  
16.5 cm / 6 1/2"



Mead



**S-23-815-16**  
16.5 cm / 6 1/2"





## Bone Rongeurs



**Hartmann**



**S-23-819-18**  
17.5 cm / 7"



**Jansen**



**S-23-826-18**  
18 cm / 7"



**S-23-829-18**  
18 cm / 7"



**Lempert**



**S-23-832-19**  
19 cm / 7 1/2"



**Blumenthal**



**S-23-835-15**  
15 cm / 6"



**S-23-837-15**  
15 cm / 6"



**S-23-839-15**  
14 cm / 5 1/2"

# Bone Rongeurs



**Luer**



**S-23-846-17**  
18,5 cm / 7 1/4"



**S-23-847-17**  
18 cm / 7"



**Luer**



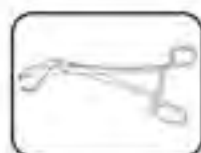
**S-23-853-15** 14,5 cm / 5 3/4"



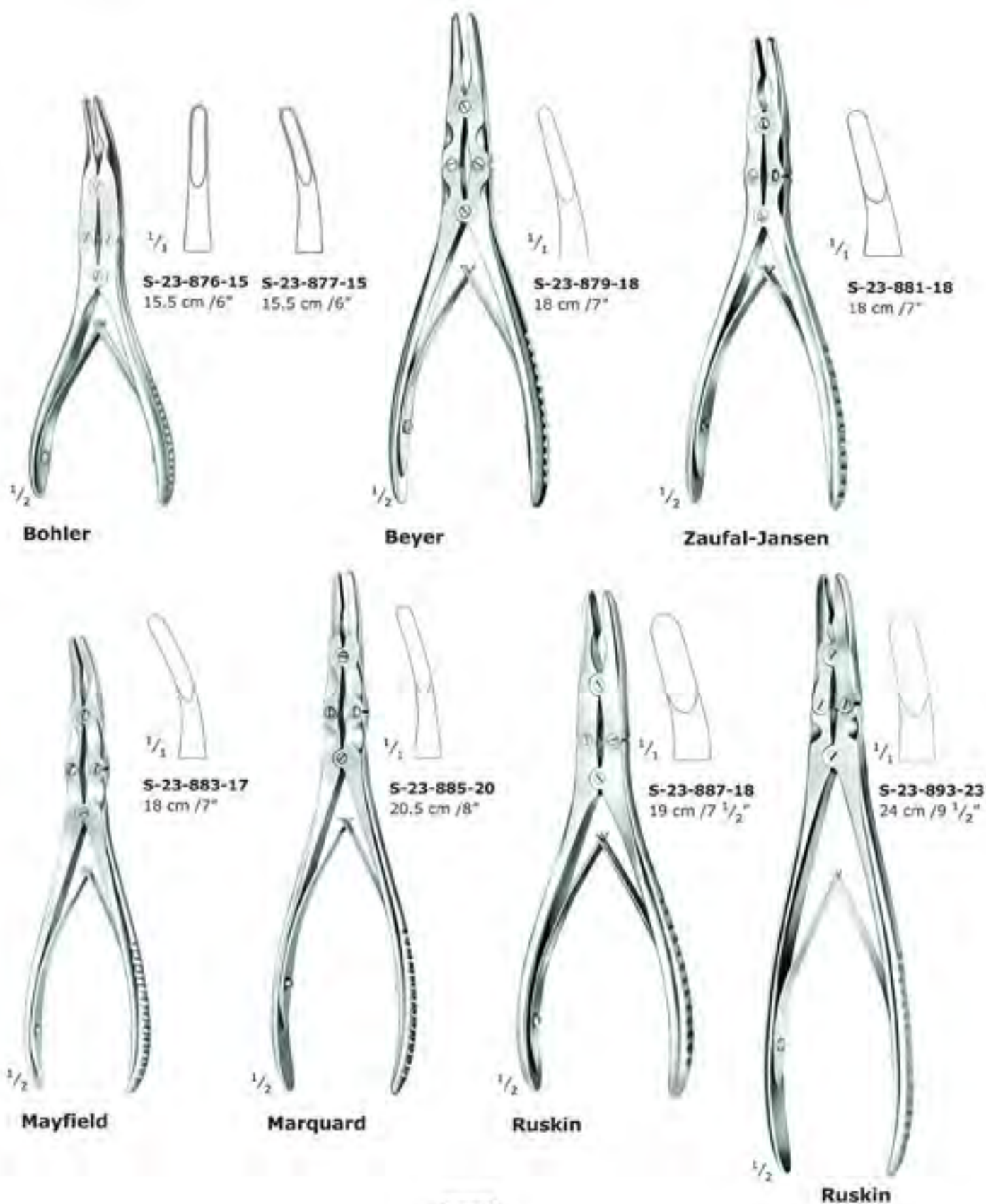
**S-23-864-15** 14,5 cm / 5 3/4"



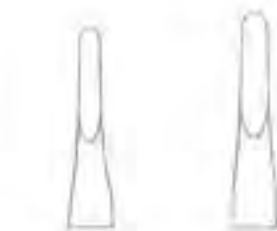
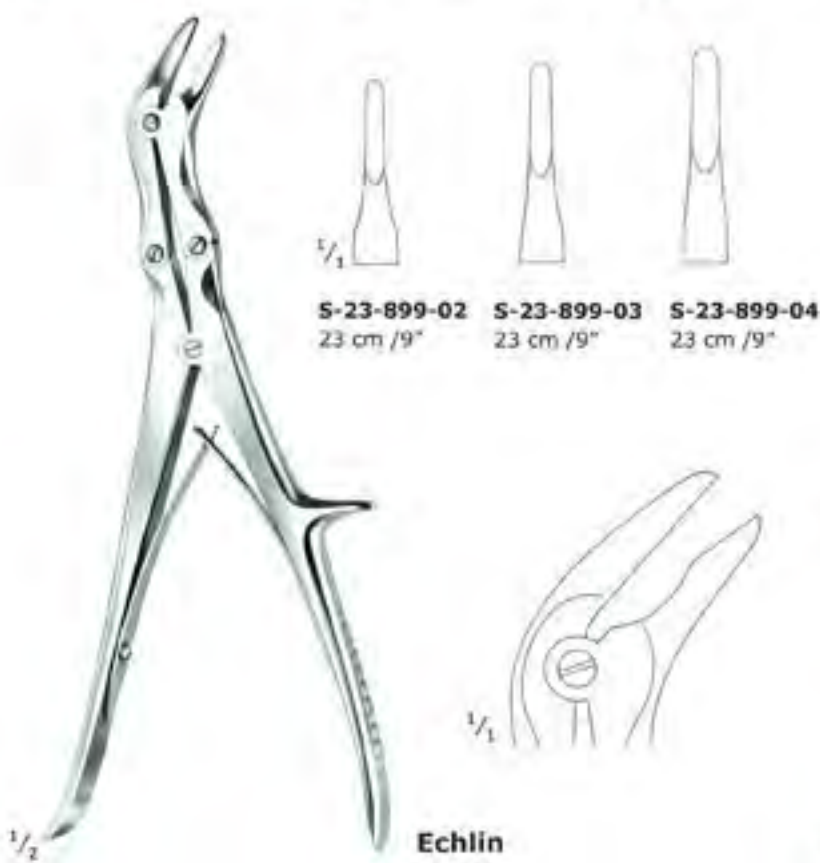
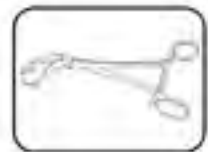
**S-23-866-15** 14,5 cm / 5 3/4"



## Bone Rongeurs



# Bone Rongeurs



**S-23-899-03** 23 cm / 9"  
**S-23-899-04** 23 cm / 9"





## Bone Rongeurs



**S-23-905-24**  
24.5 cm / 9 <sup>3</sup>/<sub>4</sub>"



**S-23-907-24**  
24.5 cm / 9 <sup>3</sup>/<sub>4</sub>"



**S-23-909-24**  
24.5 cm / 9 <sup>3</sup>/<sub>4</sub>"



**S-23-910-22**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"



**S-23-911-22**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"



**Leksell-Stille**



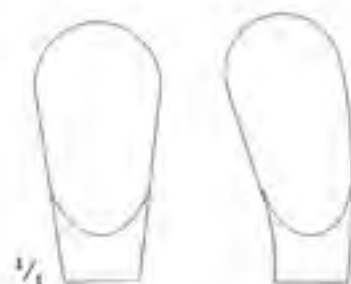
**Frykholm**



**Stille-Luer**



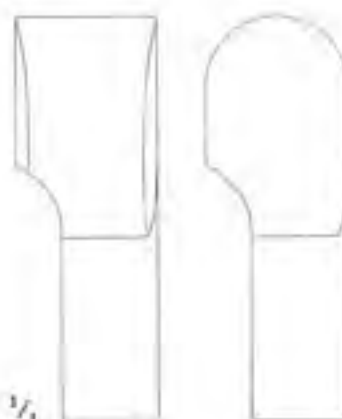
## Bone Rongeurs



**S-23-912-23**  
23 cm / 9"

**S-23-913-23**  
23 cm / 9"

**S-23-912-27** **S-23-913-27**  
26.5 cm / 10 1/2" 26.5 cm / 10 1/2"



**S-23-916-30**  
31 cm / 12 1/4"

**S-23-918-30**  
31 cm / 12 1/4"



**Stille-Luer**



**Sauerbruch**



## Bone Cutting Forceps



**S-23-928-20**  
18.5 cm / 7 3/4"

**Markwalder**  
Bone Nipper



**S-23-930-19**  
18.5 cm / 7 3/4"

**Cottle-Kazanjan**



**S-23-934-14**  
14 cm / 5 1/2"



**S-23-934-17**  
17 cm / 6 3/4"



**S-23-934-19**  
20 cm / 8"



**S-23-934-22**  
22 cm / 8 3/4"

**Liston**



**S-23-935-14**  
14 cm / 5 1/2"



**S-23-935-17**  
17 cm / 6 3/4"



**S-23-935-19**  
20 cm / 8"



**S-23-935-22**  
22 cm / 8 3/4"

**Liston**

# Bone Cutting Forceps



$\frac{1}{4}$

**S-23-939-17**  
17 cm / 6  $\frac{3}{4}$ "

$\frac{1}{2}$

**Cleveland**



$\frac{1}{4}$

**S-23-941-15**  
14.5 cm / 5  $\frac{3}{4}$ "

$\frac{1}{2}$

**Cleveland**

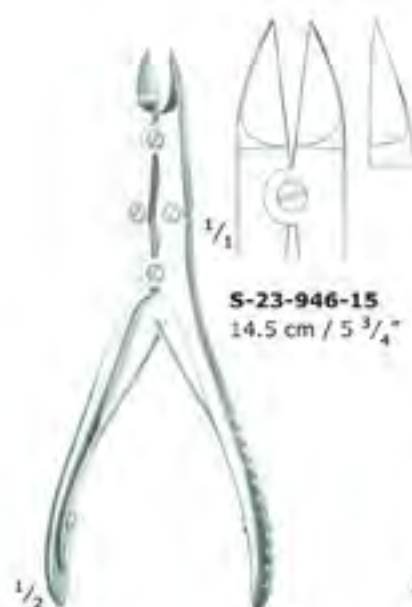


$\frac{1}{4}$

**S-23-944-15**  
14.5 cm / 5  $\frac{3}{4}$ "

$\frac{1}{2}$

**BÖHLER**

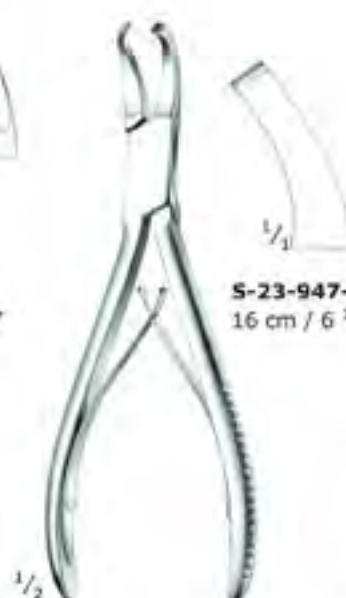


$\frac{1}{4}$

**S-23-946-15**  
14.5 cm / 5  $\frac{3}{4}$ "

$\frac{1}{2}$

**BÖHLER**



$\frac{1}{4}$

**S-23-947-16**  
16 cm / 6  $\frac{3}{4}$ "

$\frac{1}{2}$

**Cleveland**



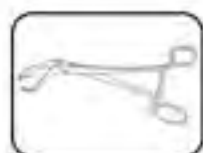
$\frac{1}{4}$

**S-23-950-18** **S-23-951-18**  
18 cm / 7" 18 cm / 7"

$\frac{1}{2}$

**Ruskin-Liston**





## Bone Cutting Forceps



**S-23-952-27**  
26 cm / 10 <sup>3</sup>/<sub>4</sub>"



**S-23-954-27**  
27,5 cm / 10 <sup>3</sup>/<sub>4</sub>"



**S-23-955-23**  
23,5 cm / 9 <sup>3</sup>/<sub>4</sub>"



**S-23-955-27**  
27,5 cm / 10 <sup>3</sup>/<sub>4</sub>"



**Stille-Liston**



**Stille-Liston**



**Stille-Liston**

## Finger Ring Saws, Nail Extracting Forceps



**S-23-973-01**  
Spare Saw Blade

**Martin**  
**S-23-970-17**  
18.5 cm / 6 <sup>3</sup>/<sub>4</sub>"



**S-23-974-01**  
Spare Saw Blade

**Walton**  
**S-23-972-16**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"



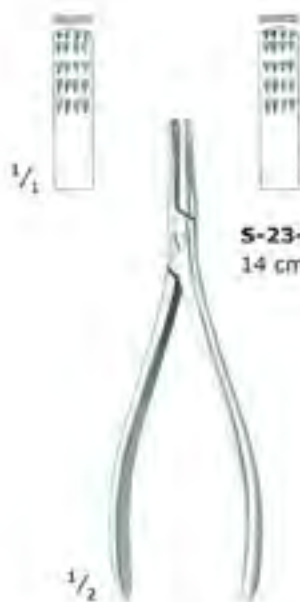
**S-23-976-01**  
Saw Blade

**S-23-975-17**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"  
Finger Ring Saw



**S-23-974-16**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"

**Penner**



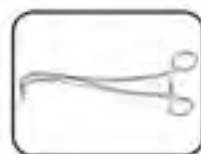
**S-23-978-13**  
14 cm / 5 <sup>1</sup>/<sub>2</sub>"

**Radolf**

## Cardiovascular Surgery



## Rib Shears



Drawing Cut



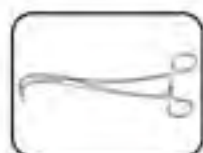
**S-24-100-23**  
23 cm / 9"  
Bone Shears



**S-24-101-22**  
23 cm / 9"



**Gluck**  
**S-24-107-22**  
21 cm / 8 1/4"



## Rib Retractors



**Finochietto, Infant**  
for babies

**S-24-161-01** 15 x 15 mm 75 mm



**Finochietto, Baby**  
for children

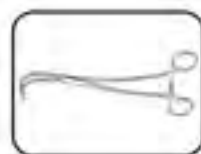
**S-24-162-01** 31 x 31 mm 100 mm



**Finochietto**

	lateral blades	spreading
<b>S-24-163-01</b>	41 x 45 mm	135 mm
<b>S-24-163-02</b>	52 x 62 mm	175 mm
<b>S-24-163-03</b>	82 x 65 mm	175 mm

## Sternal Retractor



**Mores-Favaloro**  
for children

4 movable blades    spreading

**S-24-169-01**

17 x 22 mm

160 mm



**Morse**  
for adults

4 movable blades    spreading

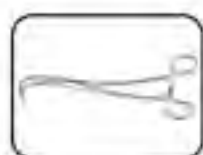
**S-24-170-00**

22 x 27 mm

200 mm







## Rib Retractors



### Finochietto

lateral blades

spreading

**S-24-178-01**

30 x 45 mm

150 mm

**S-24-178-01**

46 x 62 mm

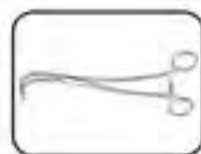
190 mm

**S-24-178-01**

80 x 65 mm

190 mm

## Thoracic Retractor



(Metcedes Retractor) with 1 pair of blades each

**S-24-191-00**

**S-24-191-65 + S-24-191-75**

Retractor only

**S-24-191-01**



**Fig. 1**



**Fig. 2**

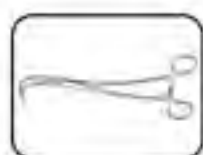
Lateral Blades

pair

**S-24-191-65** = Fig.1 48 x 68 mm

**S-24-191-75** = Fig.2 70 x 75 mm





## Thoracic and I.M.A Retractor



**S-24-195-00**



**S-24-195-01**

**S-24-195-02**

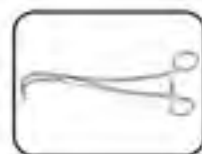
Lateral Blade for I.M.A. Retractor left

right

**S-24-195-01** 40 x 50 x 80 mm

**S-24-195-02** 40 x 50 x 80 mm

## Lung Spatulas



Allison

**S-24-231-30**  
29,5 cm / 11 1/2"

**S-24-231-32**  
32,5 cm / 12 3/4"



**S-24-233-30**  
26 cm / 10 1/4"



## Lung Grasping Forceps



## Bulldog Clamps



**S-24-291-07**  
7 cm / 2 <sup>3</sup>/<sub>4</sub>"

<sup>1</sup>/<sub>1</sub>

DeBakey-Satinsky



**S-24-291-09**  
9 cm / 3 <sup>1</sup>/<sub>2</sub>"

<sup>1</sup>/<sub>1</sub>

DeBakey-Satinsky



**S-24-291-10**  
10 cm / 4"

<sup>1</sup>/<sub>1</sub>

DeBakey-Satinsky



**S-24-293-06**  
6 cm / 2 <sup>1</sup>/<sub>4</sub>"

<sup>1</sup>/<sub>1</sub>

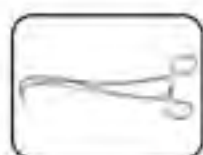
Glover



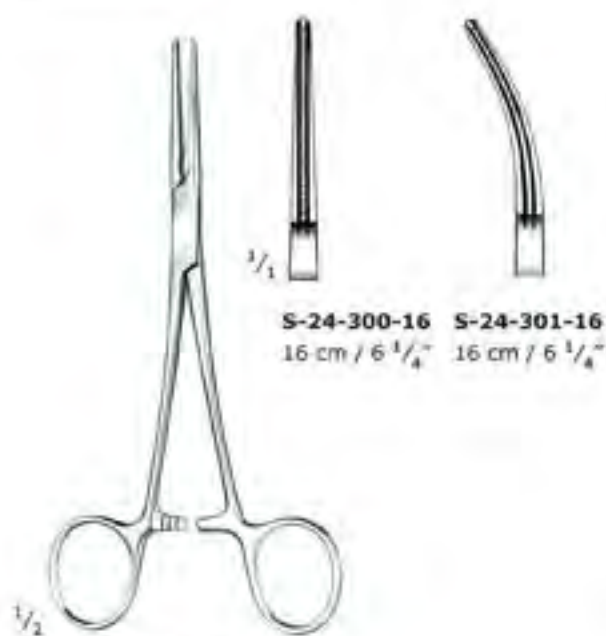
**S-24-295-07**  
7 cm / 2 <sup>3</sup>/<sub>4</sub>"

<sup>1</sup>/<sub>1</sub>

Santulli



## Haemostatic Forceps & Aortic Clamps



**DeBakey-Rankin**



**DeBakey-Mosquito**

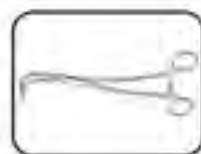


**Ochsner**



**Diethrich**

## Peripheral Vascular Clamps



$\frac{1}{2}$

Dale



$\frac{1}{4}$

**S-24-340-18**  
18 cm / 7"



$\frac{1}{2}$

Dale



$\frac{1}{4}$

**S-24-341-17**  
17,5 cm / 6  $\frac{3}{4}$ "



**S-24-341-18**  
18 cm / 7"

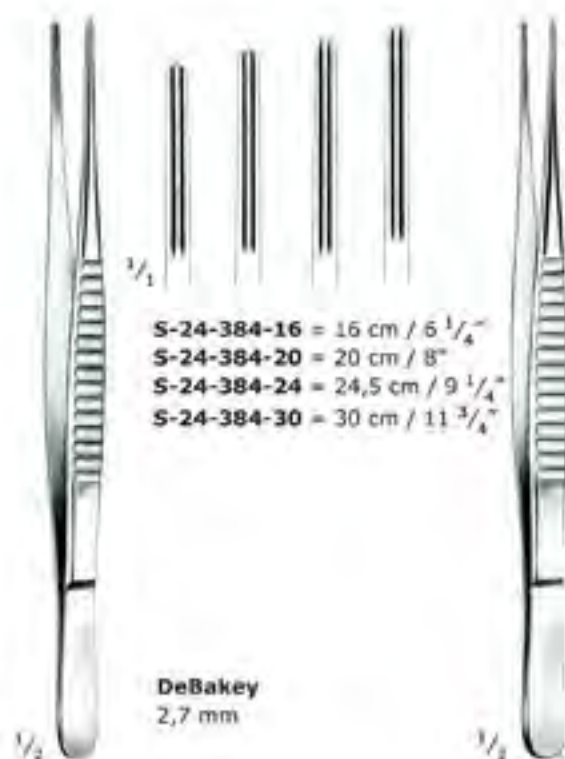


**S-24-341-19**  
18,5 cm / 7  $\frac{1}{4}$ "

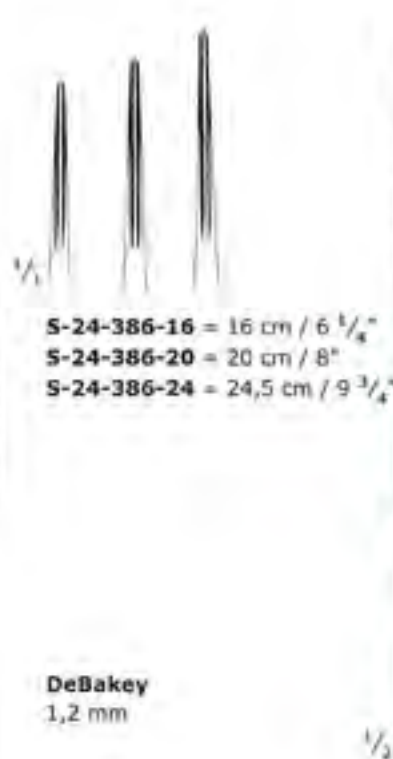




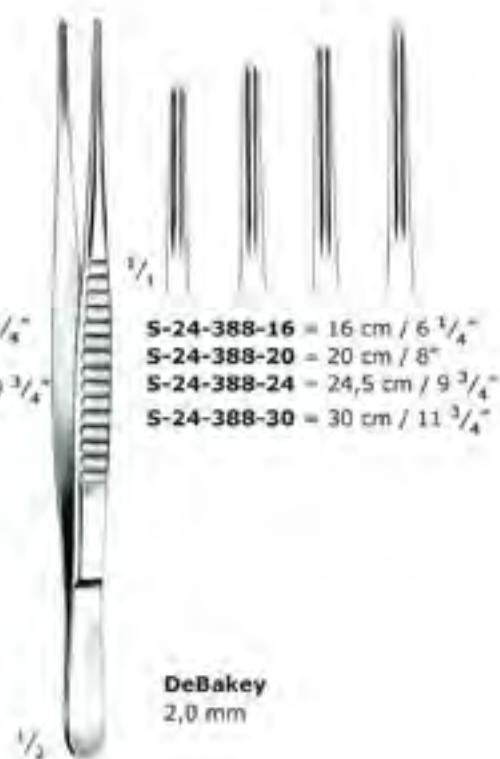
## Vascular Forceps



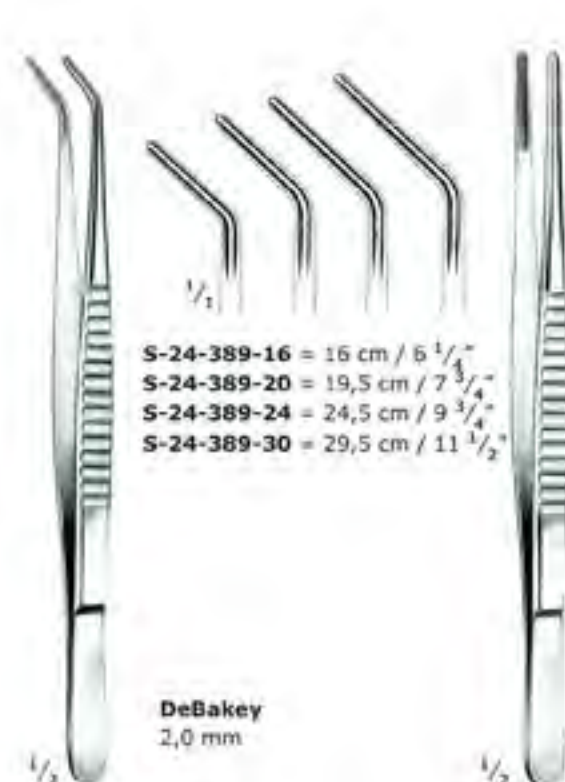
S-24-384-16 = 16 cm / 6  $\frac{1}{4}$ "  
 S-24-384-20 = 20 cm / 8"  
 S-24-384-24 = 24,5 cm / 9  $\frac{1}{4}$ "  
 S-24-384-30 = 30 cm / 11  $\frac{3}{4}$ "



S-24-386-16 = 16 cm / 6  $\frac{1}{4}$ "  
 S-24-386-20 = 20 cm / 8"  
 S-24-386-24 = 24,5 cm / 9  $\frac{3}{4}$ "



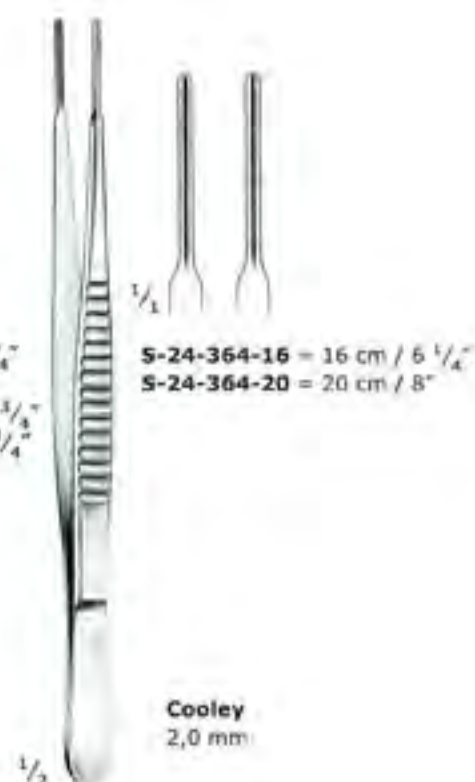
S-24-388-16 = 16 cm / 6  $\frac{1}{4}$ "  
 S-24-388-20 = 20 cm / 8"  
 S-24-388-24 = 24,5 cm / 9  $\frac{3}{4}$ "  
 S-24-388-30 = 30 cm / 11  $\frac{3}{4}$ "



S-24-389-16 = 16 cm / 6  $\frac{1}{4}$ "  
 S-24-389-20 = 19,5 cm / 7  $\frac{3}{4}$ "  
 S-24-389-24 = 24,5 cm / 9  $\frac{3}{4}$ "  
 S-24-389-30 = 29,5 cm / 11  $\frac{1}{2}$ "



S-24-390-16 = 16 cm / 6  $\frac{1}{4}$ "  
 S-24-390-20 = 20 cm / 8"  
 S-24-390-24 = 24,5 cm / 9  $\frac{3}{4}$ "  
 S-24-390-30 = 30 cm / 11  $\frac{3}{4}$ "



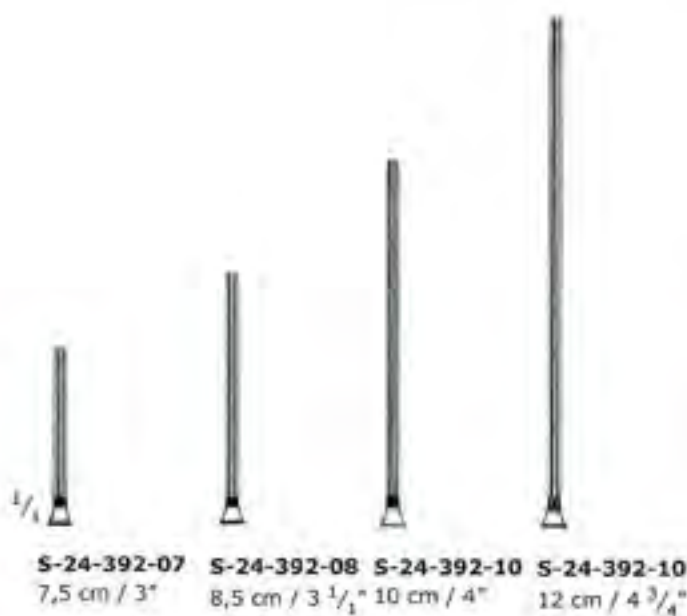
S-24-364-16 = 16 cm / 6  $\frac{1}{4}$ "  
 S-24-364-20 = 20 cm / 8"

## Bulldog Clamps



1/3

DeBakey

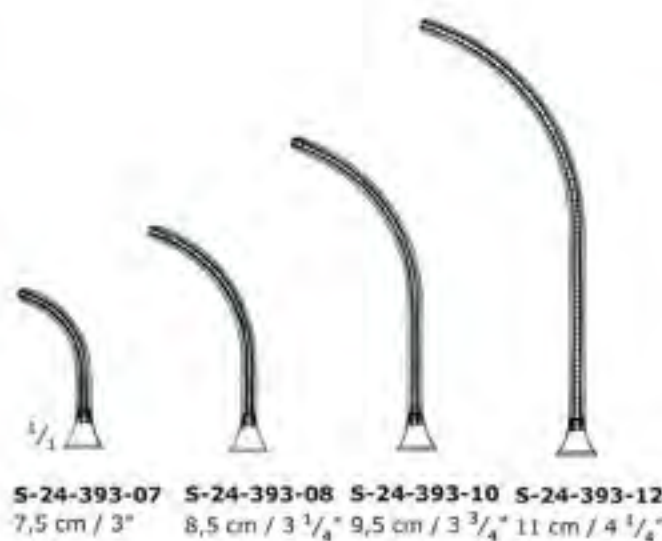


**S-24-392-07** 7,5 cm / 3"  
**S-24-392-08** 8,5 cm / 3 1/4"  
**S-24-392-10** 10 cm / 4"  
**S-24-392-12** 12 cm / 4 3/4"



1/3

DeBakey



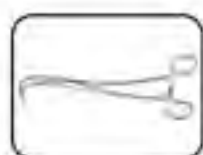
**S-24-393-07** 7,5 cm / 3"  
**S-24-393-08** 8,5 cm / 3 1/4"  
**S-24-393-10** 9,5 cm / 3 3/4"  
**S-24-393-12** 11 cm / 4 1/4"



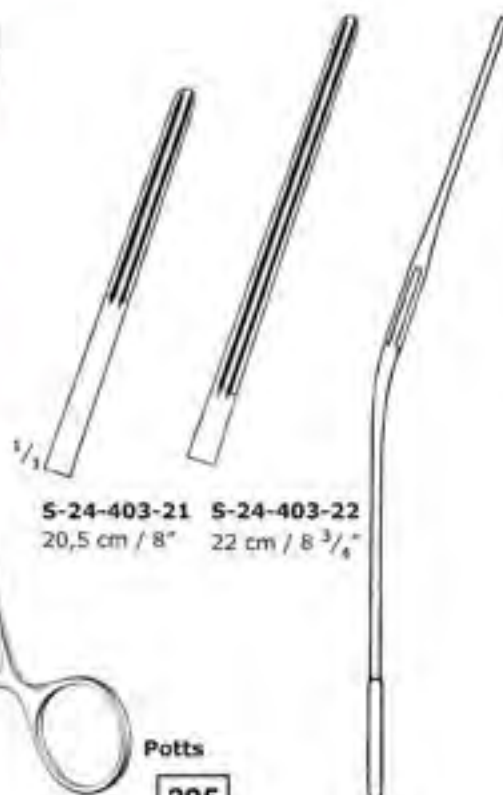
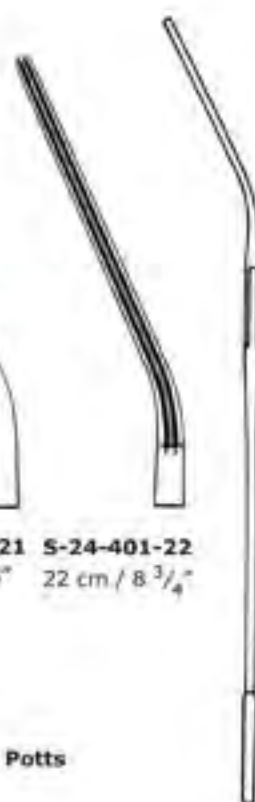
1/2

**S-24-395-23**  
 23,5 cm / 9 1/4"  
 Applying Forceps  
 for Bulldog clamps

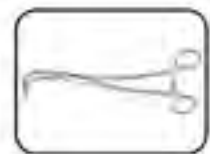




## Coarctation Clamps



# Anastomosis Clamps, Ligature Forceps



Potts

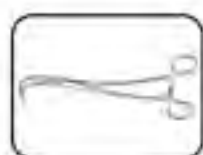


Potts

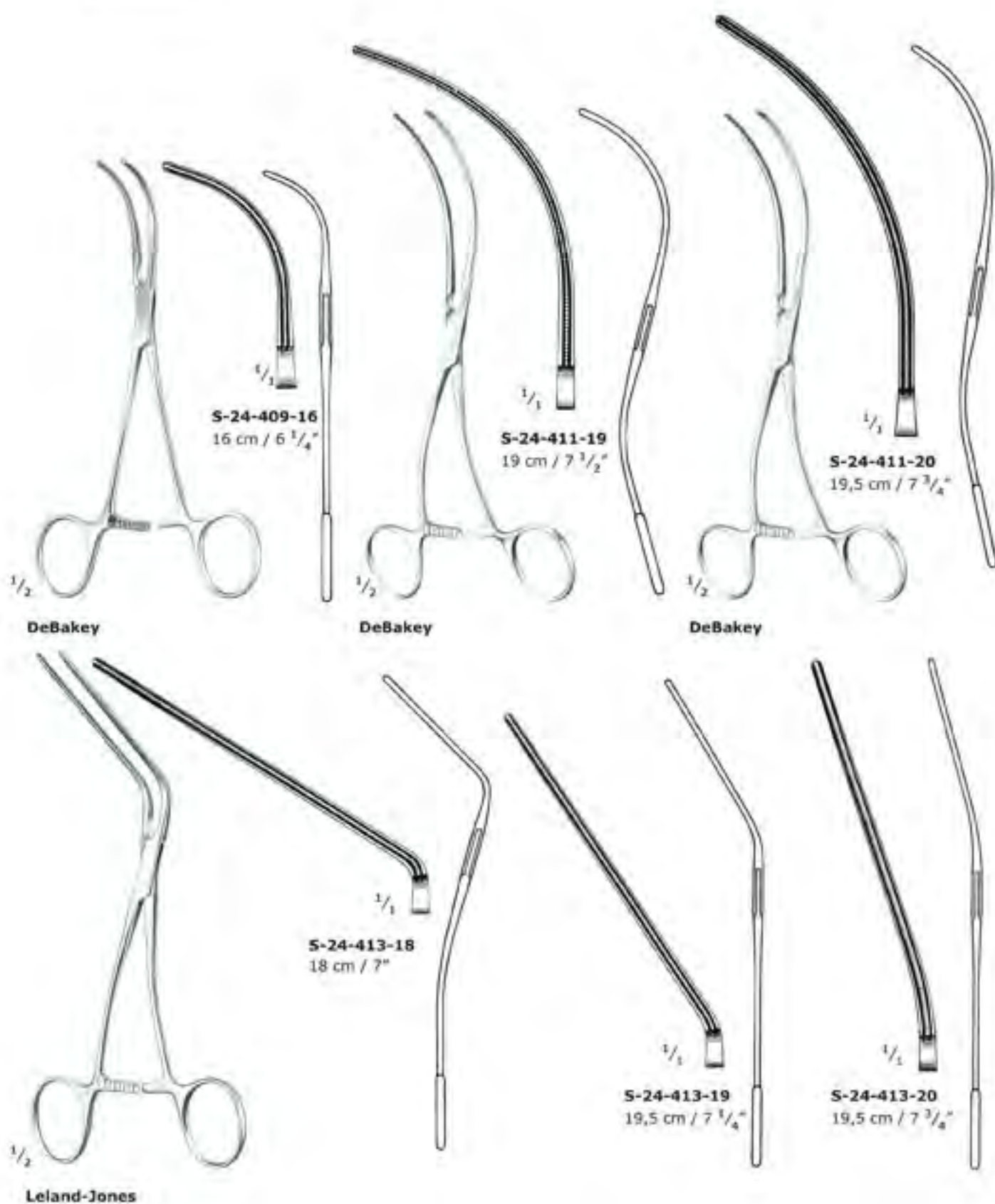


**DeBakey**  
Dissecting and Ligature Forceps





## Peripheral Vascular Clamps



## Multi purpose Vascular Clamps



precisely working ratchet.  
guarantees a fine proportioning



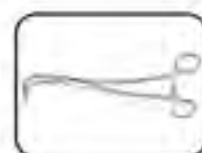


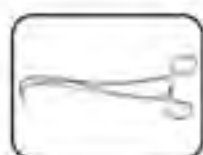
## Aortic Aneurysm Clamps





# Aortic Aneurysm Clamps





## Anastomosis Clamps



**Lambert-Kay**



**S-24-430-21**  
22,5 cm / 8  $\frac{3}{4}$ "

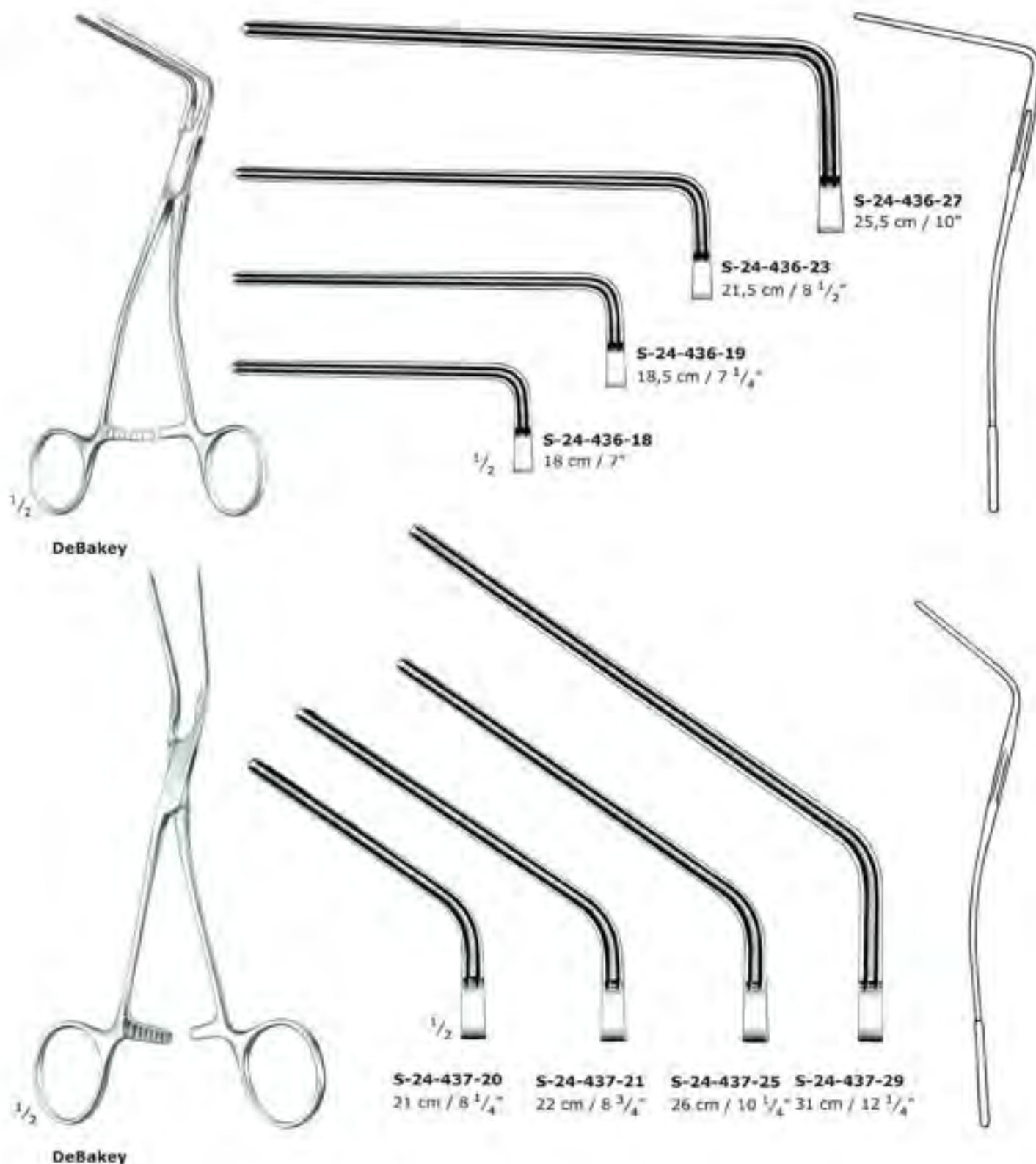


**S-24-430-22**  
22,5 cm / 8  $\frac{3}{4}$ "

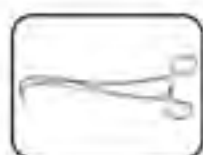


**DeBakey**

## Multi purpose Vascular Clamps







## Haemostatic Forceps

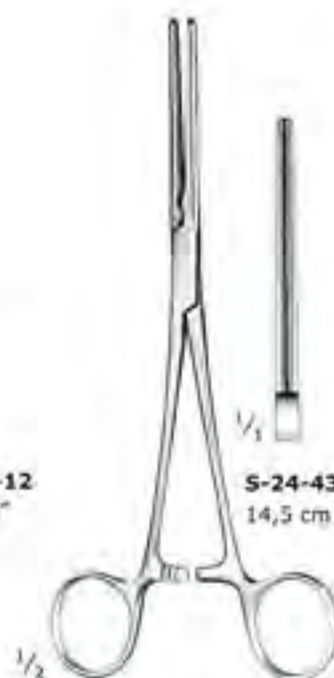


DeBailey-Mosquito

**S-24-438-12**  
12,5 cm / 5"



**S-24-439-12**  
12,5 cm / 5"



DeBailey-Pean

**S-24-438-14**  
14,5 cm / 5 3/4"



**S-24-438-18**  
18,5 cm / 7 1/4"



**S-24-438-20**  
20,5 cm / 8"

**S-24-438-16**  
16,5 cm / 6 1/2"



DeBailey-Pean

**S-24-439-14**  
14,5 cm / 5 3/4"



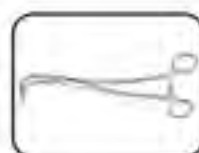
**S-24-439-16**  
16,5 cm / 6 1/2"



**S-24-439-20**  
20,5 cm / 8"

**S-24-439-18**  
18,5 cm / 7 1/2"

## Multi purpose Vascular Clamps



DeBakey



DeBakey



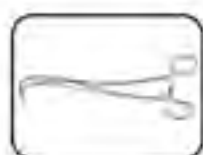
DeBakey



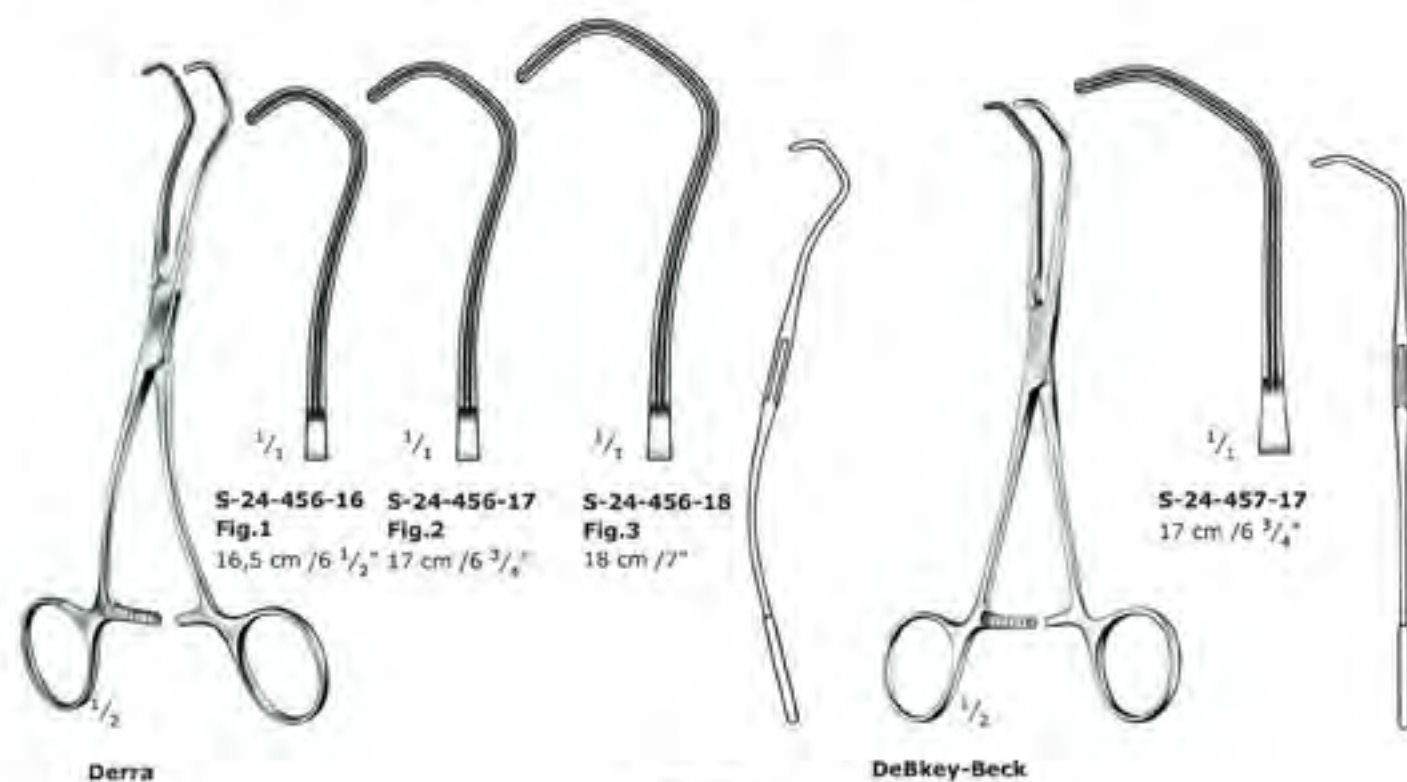
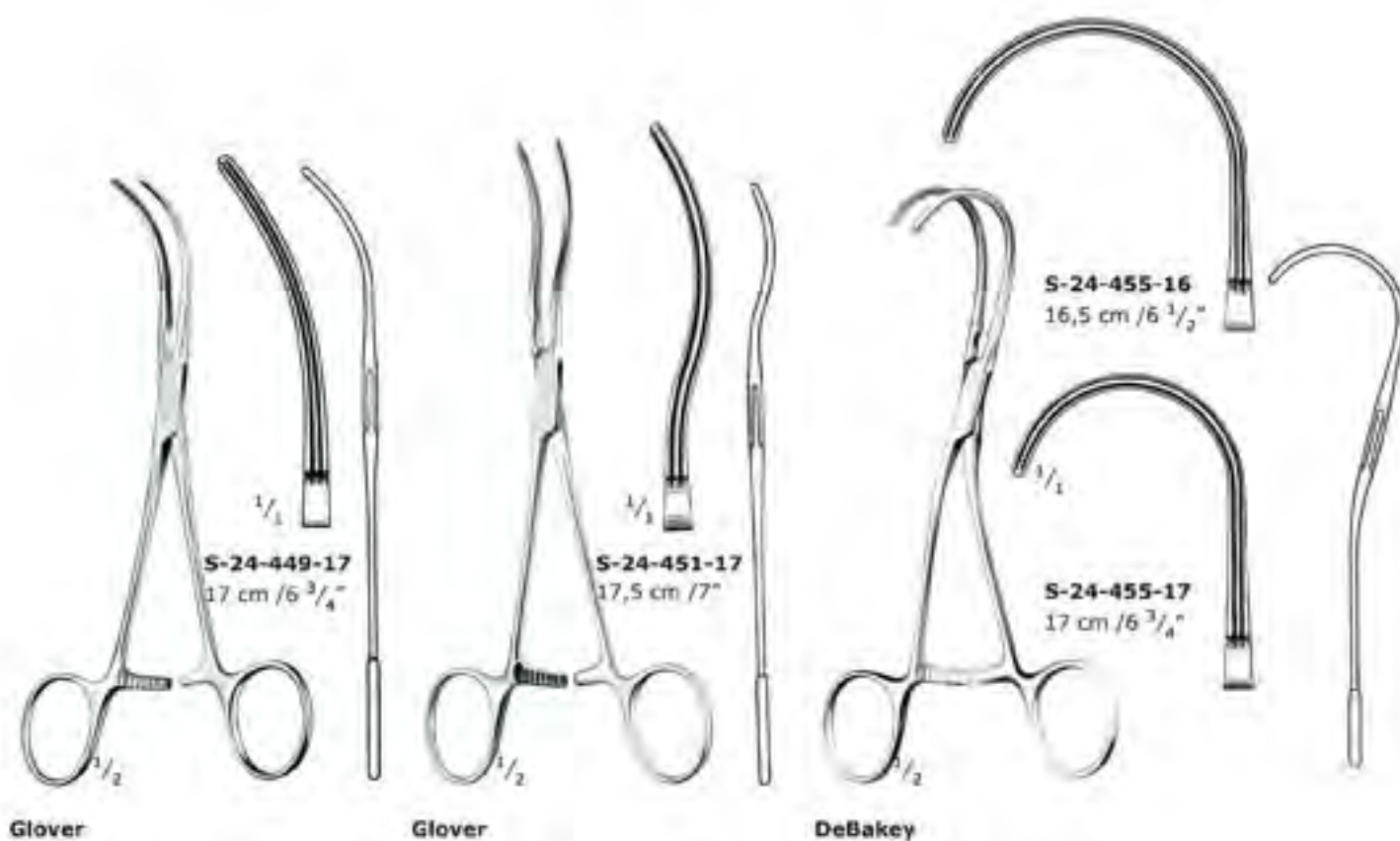
DeBakey



DeBakey



## Multi purpose Vascular Clamps, Anastomosis Clamps,



## Pediatric Vascular Clamps



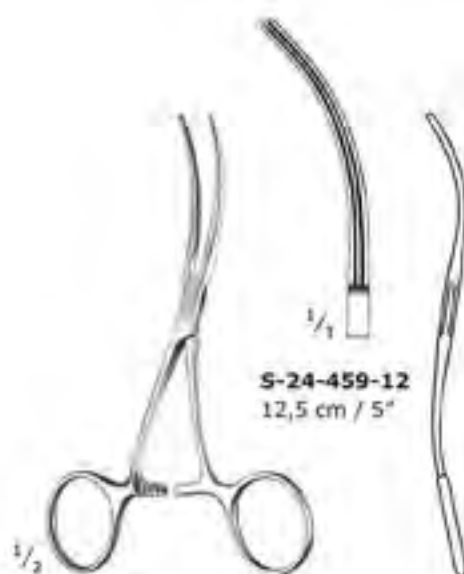
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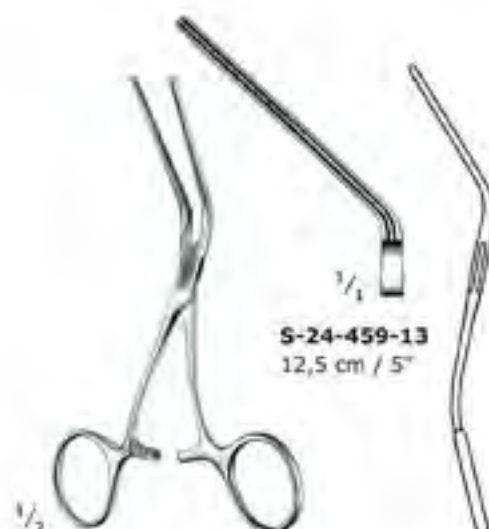
DeBakey



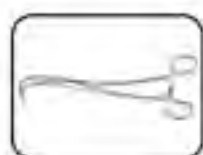
DeBakey



DeBakey



DeBakey



## Pediatric Vascular Clamps



Cooley

$\frac{1}{16}$

**S-24-466-01**  
14,5 cm / 5  $\frac{3}{4}$ "



**S-24-466-02**  
14,5 cm / 5  $\frac{3}{4}$ "



Cooley

$\frac{1}{16}$

**S-24-466-03**  
14 cm / 5  $\frac{1}{2}$ "



Cooley

$\frac{1}{16}$

**S-24-466-04**  
14 cm / 5  $\frac{1}{2}$ "



Cooley

$\frac{1}{16}$

**S-24-466-05**  
14,5 cm / 5  $\frac{3}{4}$ "

## Anastomosis Clamps



**Cooley-Derra**



**S-24-478-16**  
16,5 cm / 6 1/2"



**S-24-478-17**  
17 cm / 6 3/4"



**S-24-478-18**  
17,5 cm / 7"



**Cooley-Beck**



**S-24-479-17**  
17 cm / 6 3/4"

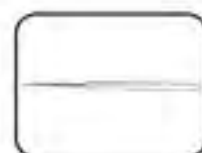




## Neurosurgery, Laminectomy



# Cranial Rongeurs



**Dahlgren**  
S-24-654-20  
20 cm / 8"



**De Vilbiss**  
S-24-658-21  
20,5 cm / 8"



**Cone**  
S-24-659-22  
22,5 cm / 9"





## Clips and Applying Forceps, Wire Saws



**S-24-654-20**  
**Olivecrona - Toennis**  
Clip Applying Forceps



**S-24-663-19**  
**McKenzie**  
18,5 cm / 7 1/4"  
Clip Applying Forceps



**Gigli**

**S-24-600-30**  
30 cm / 11 3/4"

**S-24-600-40**  
40 cm / 15 3/4"

**S-24-600-50**  
50 cm / 19 3/4"

**S-24-600-60**  
60 cm / 23 1/2"

**S-24-600-70**  
70 cm / 27 1/2"



**Gigli**  
**S-24-602-01**  
Wire Saw Handle



**Raney**  
**S-24-676-00**  
15,5 cm / 6"  
Applying/Removal Forceps

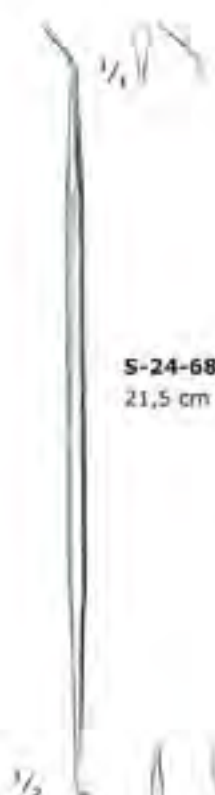
## Dura Dissectors



**S-24-685-21**  
20,5 cm / 8"

3/2

**Sachs**  
sharp



**S-24-686-21**  
21,5 cm / 8 1/2"

3/2

**Milligan**



**S-24-687-21**  
21,5 cm / 8 1/2"

3/2

**Davis**  
sharp

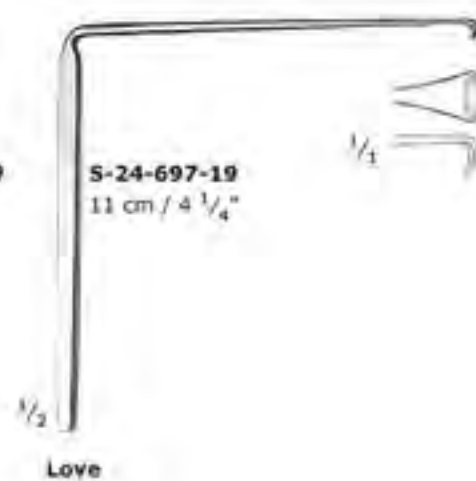
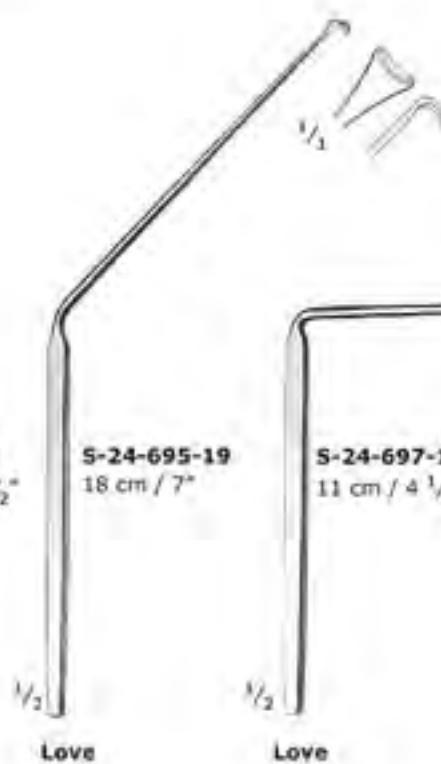


**S-24-688-22**  
22 cm / 8 3/4"

3/2



## Dura Dissectors, Nerve Root Retractors



## Brain Spatulas



**Olivecrona**  
18 cm / 7"

CONAVE

<b>S-24-703-18</b>	7+9 mm
<b>S-24-705-18</b>	11+13 mm
<b>S-24-707-18</b>	15+18 mm
<b>S-24-709-18</b>	18+22 mm



**Olivecrona**  
18 cm / 7"

CONAVE

<b>S-24-713-18</b>	7+9 mm
<b>S-24-715-18</b>	11+13 mm
<b>S-24-717-18</b>	15+18 mm
<b>S-24-719-18</b>	18+22 mm



## Nerve Root Retractors



# Bone Cutting Forceps



**S-24-738-26**  
26,5 cm / 10 3/4"



**S-24-740-26**  
26,5 cm / 10 3/4"



**S-24-742-19**  
**Fig.1**  
19 cm / 7 1/2"

**S-24-742-28**  
**Fig.1**  
28 cm / 11"

**Cushing**  
blunt



**S-24-744-28**  
**Fig.2**  
19,5 cm / 7 3/4"

**S-24-744-28**  
**Fig.2**  
28 cm / 11"



**Cushing**  
blunt



**Groningen**



**Groningen**



**24-748-17**  
17 cm / 6 3/4"



**24-748-21**  
21 cm / 8 1/4"



**Smithwick**



## Lamina Spreaders



Cloward



S-24-973-16  
16 cm / 6 1/4"



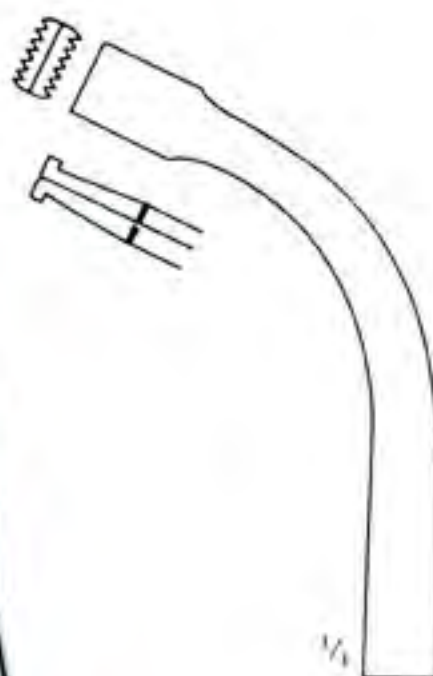
Inge



S-24-975-17  
16 cm / 6 1/4"



Inge



S-24-977-27  
25,5 cm / 10"

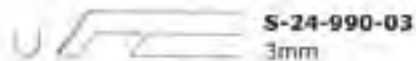
## Laminectomy Punches



shaft length  
180 mm

downwards cuttings

40°



**S-24-990-03**  
3mm

1/2

**Ferris-Smith Kerrison**

upwards cutting

downwards cutting

upwards cutting

40°



**S-24-991-01**  
1 mm



**S-24-992-01**  
1 mm



**S-24-993-01**  
1 mm



**S-24-991-02**  
2 mm



**S-24-992-02**  
2 mm



**S-24-993-02**  
2 mm



**S-24-991-03**  
3 mm



**S-24-992-03**  
3 mm



**S-24-993-03**  
3 mm



**S-24-991-04**  
4 mm



**S-24-992-04**  
4 mm



**S-24-993-04**  
4 mm



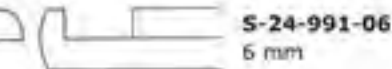
**S-24-991-05**  
5 mm



**S-24-992-05**  
5 mm



**S-24-993-05**  
5 mm



**S-24-991-06**  
6 mm



**S-24-992-06**  
6 mm

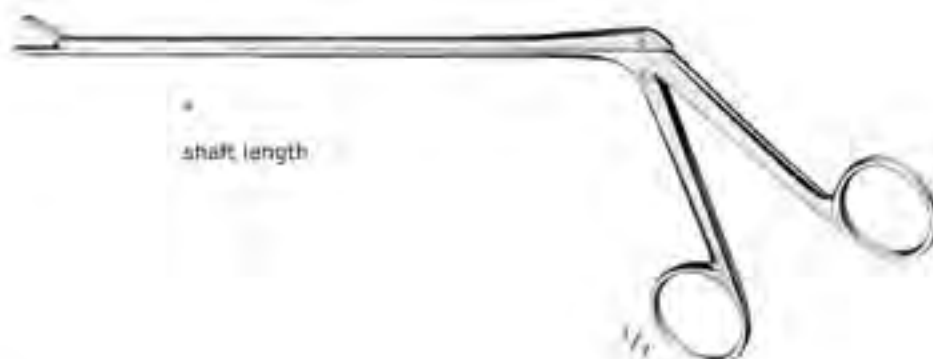


**S-24-993-06**  
6 mm





## Laminectomy Rongeurs



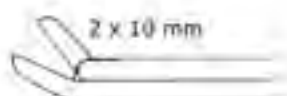
### Cushing 2 x 10 mm



straight

S-24-994-01 = 120 mm  
S-24-994-02 = 150 mm  
S-24-994-03 = 180 mm

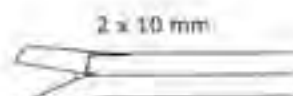
### Cushing



upwards

S-24-995-01 = 120 mm  
S-24-995-02 = 150 mm  
S-24-995-03 = 180 mm

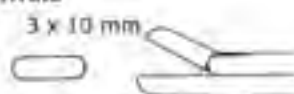
### Cushing



downwards

S-24-996-01 = 120 mm  
S-24-996-02 = 150 mm  
S-24-996-03 = 180 mm

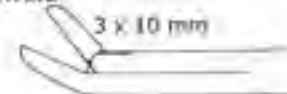
### Love-Gruenwald



straight

S-24-994-04 = 120 mm  
S-24-994-05 = 150 mm  
S-24-994-06 = 180 mm

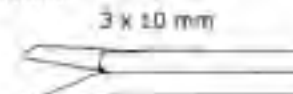
### Love-Gruenwald



upwards

S-24-995-04 = 120 mm  
S-24-995-05 = 150 mm  
S-24-995-06 = 180 mm

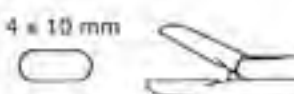
### Love-Gruenwald



downwards

S-24-996-04 = 120 mm  
S-24-996-05 = 150 mm  
S-24-996-06 = 180 mm

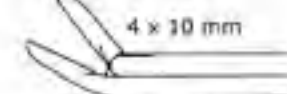
### Spurling



straight

S-24-994-07 = 120 mm  
S-24-994-08 = 150 mm  
S-24-994-09 = 180 mm

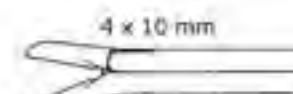
### Spurling



upwards

S-24-995-07 = 120 mm  
S-24-995-08 = 150 mm  
S-24-995-09 = 180 mm

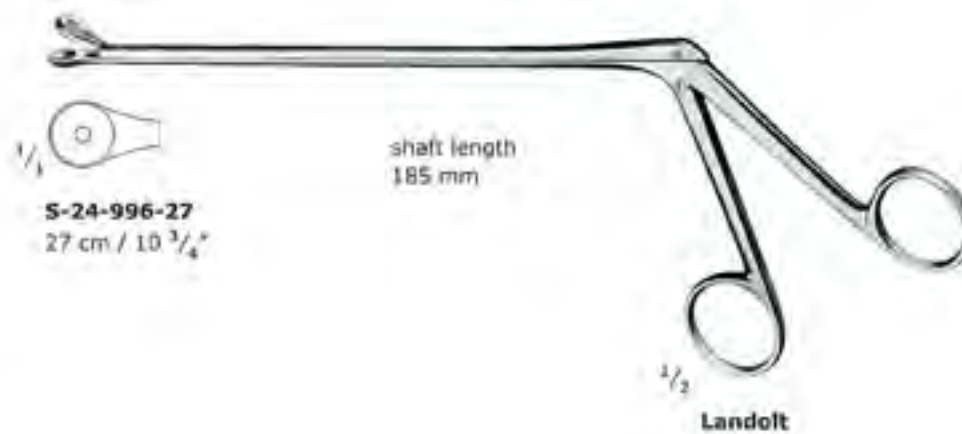
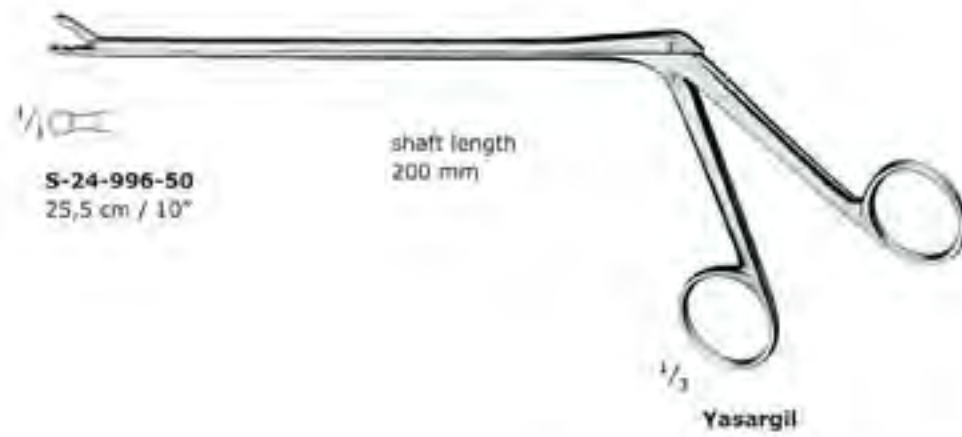
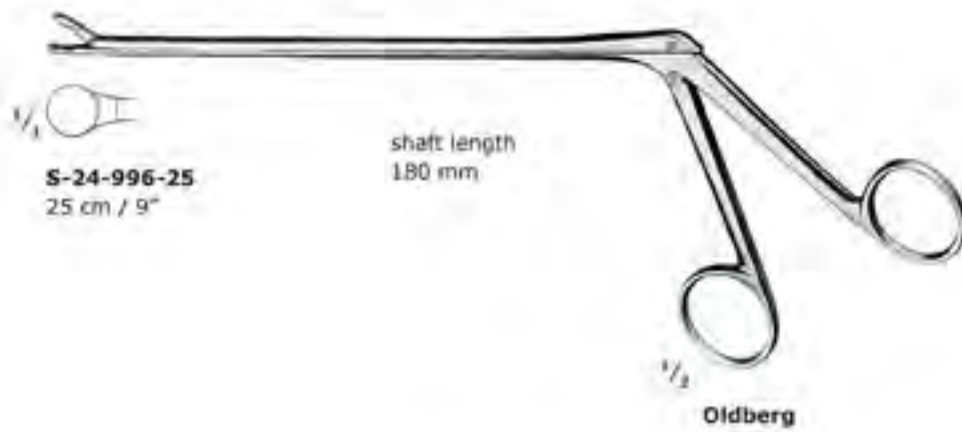
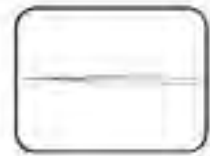
### Spurling



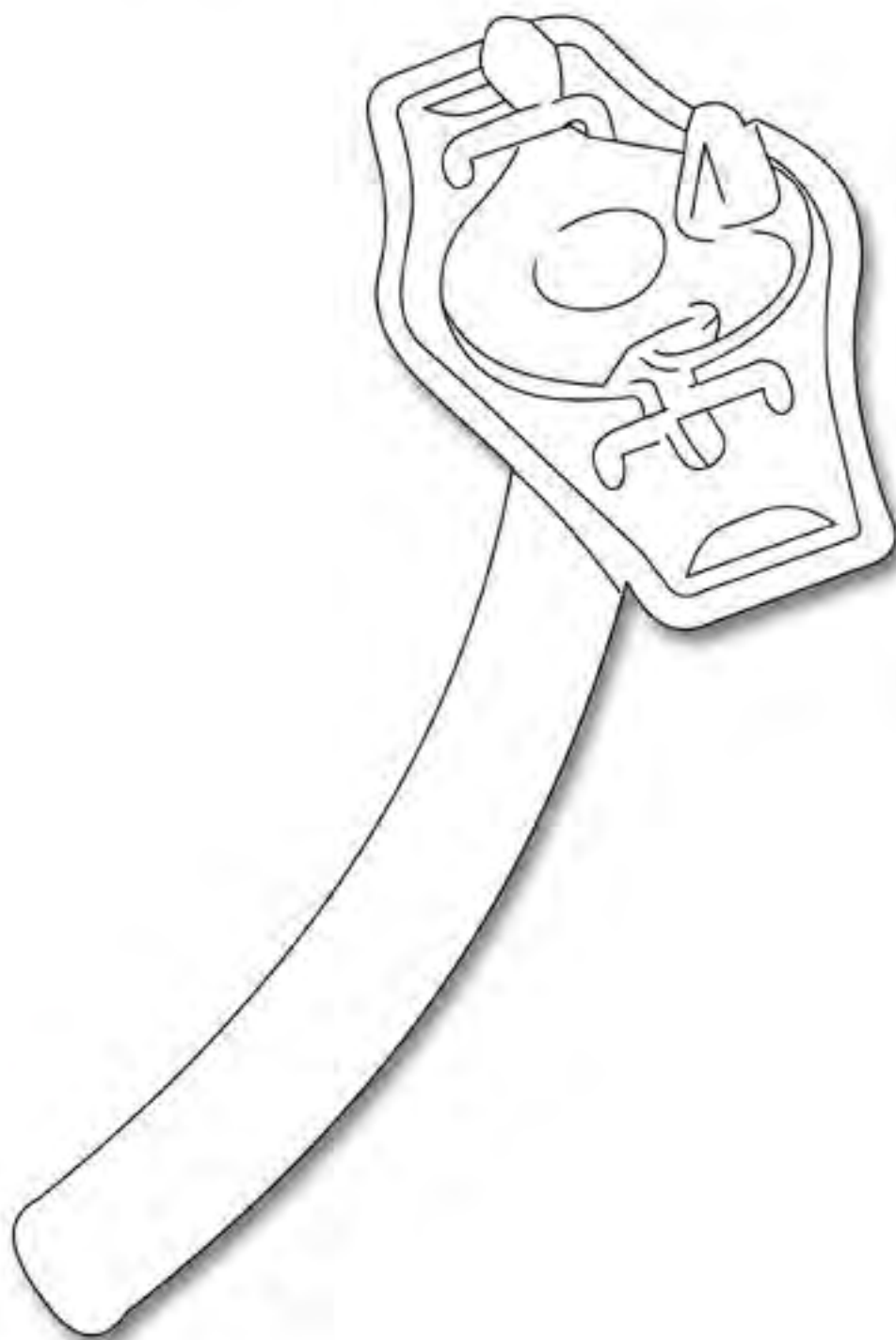
downwards

S-24-996-07 = 120 mm  
S-24-996-08 = 150 mm  
S-24-996-09 = 180 mm

# Laminectomy Rongeurs



## Tracheotomy



# Traqueotomy, Trocar, Tracheal, Dilators



**Ueckermann**  
with hollow handle



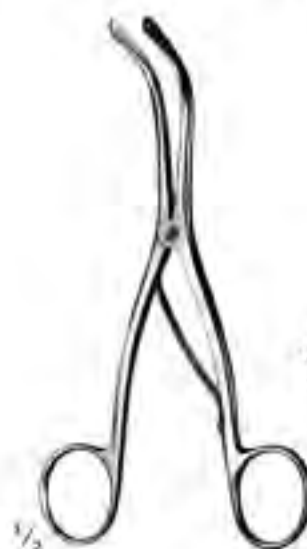
**S-27-108-13**  
11,5 cm / 4 1/2"  
7,5 mm ø



**S-27-110-13**  
11,5 cm / 4 1/2"  
10 mm ø



**Laborde**  
**S-27-113-14**  
14 cm / 5 1/2"



**Trousseau**



**S-27-115-14**  
114,5 cm / 5 3/4"



## Tracheal Hooks



**Iterson**



**S-27-125-16**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"  
sharp



**S-27-127-16**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"  
blunt



**Rose**



**S-27-123-13**  
13,5 cm / 6 <sup>1</sup>/<sub>4</sub>"



**Luer**



**S-27-145-11**  
11 cm / 4 <sup>1</sup>/<sub>2</sub>"



**S-27-149-15**  
15 cm / 6"  
sharp



# Toitre Enucleator

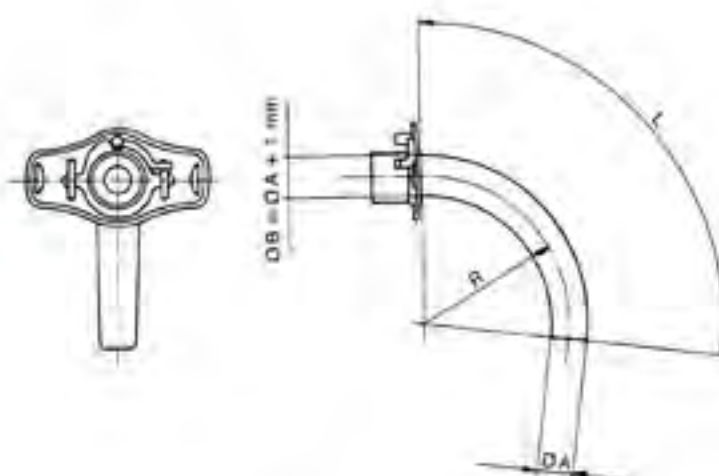




## Tracheal Tubes



**Luer**  
outer tube closed  
inner tube closed



**L** = length of tube  
**MN** = German silver  
**MS** = silver  
**MA** = stainless steel

Radius N	Fig.	Ø	L	Material	Art.-Nr.
N 0	0	4 mm	45 mm	MS	S-27-500-04
				MN	S-27-501-04
				MA	S-27-502-04
N 1	1	5 mm	50 mm	MS	S-27-500-05
				MN	S-27-501-05
				MA	S-27-502-05
N 2	2	6 mm	55 mm	MS	S-27-500-06
				MN	S-27-501-06
				MA	S-27-502-06
N 3	3	7 mm	60 mm	MS	S-27-500-07
				MN	S-27-501-07
				MA	S-27-502-07
N 4	4	8 mm	65 mm	MS	S-27-500-08
				MN	S-27-501-08
				MA	S-27-502-08
N 5	5	9 mm	70 mm	MS	S-27-500-09
				MN	S-27-501-09
				MA	S-27-502-09
N 6	6	10 mm	75 mm	MS	S-27-500-10
				MN	S-27-501-10
				MA	S-27-502-10
N 7	7	11 mm	80 mm	MS	S-27-500-11
				MN	S-27-501-11
				MA	S-27-502-11
N 8	8	12 mm	85 mm	MS	S-27-500-12
				MN	S-27-501-12
				MA	S-27-502-12
N 9	9	13 mm	90 mm	MS	S-27-500-13
				MN	S-27-501-13
				MA	S-27-502-13
M 4	4	8 mm	95 mm	MS	S-27-503-18
M 5	5	9 mm	95 mm	MS	S-27-503-19
M 6	6	10 mm	95 mm	MS	S-27-503-10
M 7	7	11 mm	95 mm	MS	S-27-503-11
M 8	8	12 mm	95 mm	MS	S-27-503-12
M 9	9	13 mm	95 mm	MS	S-27-503-13



## Tracheal Tubes



**Luer**  
outer tube window  
inner tube window

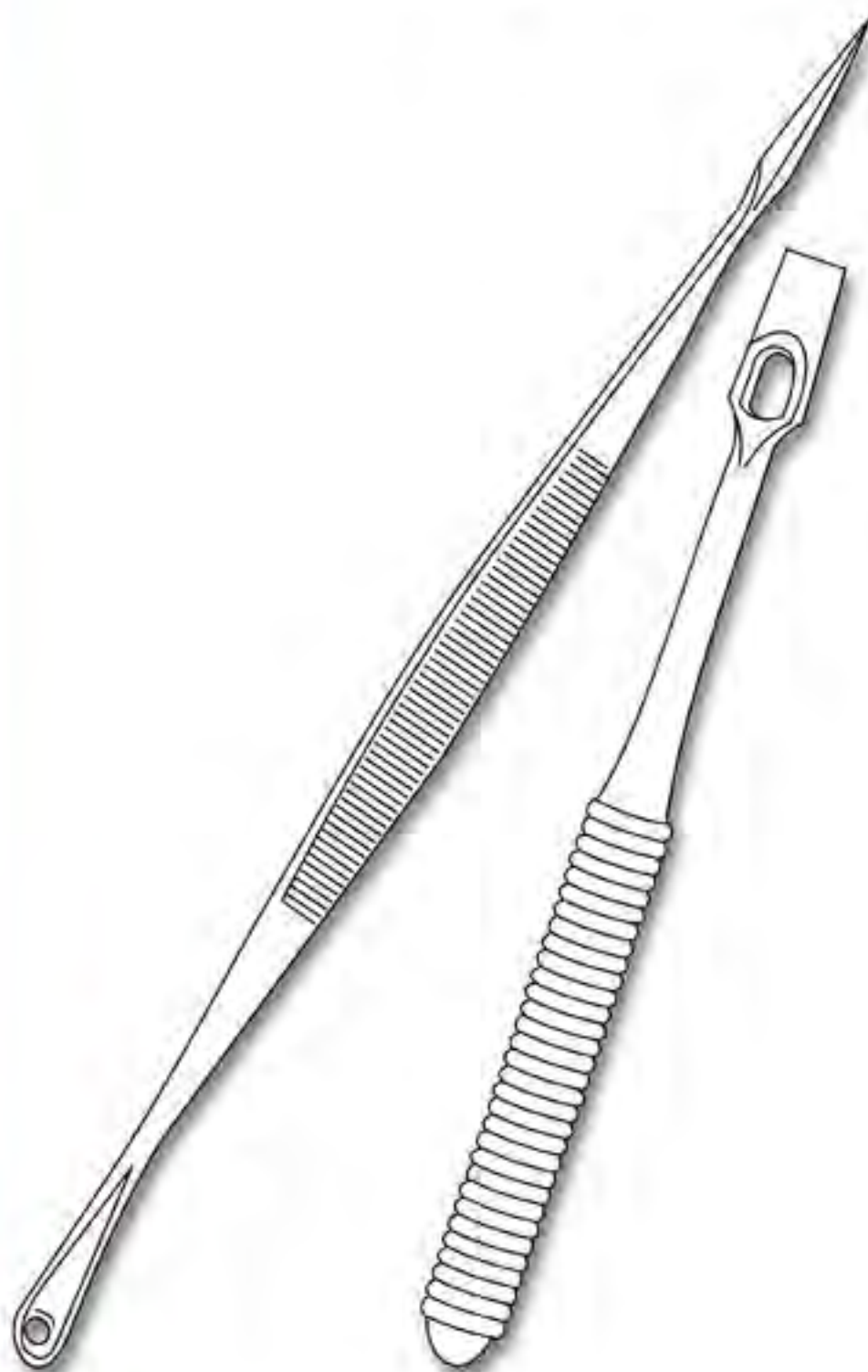


Radius	Fig.	Ø	L	Material	Art.-Nr
N	3	7 mm	60 mm	MS	S-27-504-07
				MN	S-27-505-07
N	4	8 mm	65 mm	MA	S-27-506-07
				MS	S-27-504-08
				MN	S-27-505-08
				MA	S-27-506-08
N	5	9 mm	70 mm	MS	S-27-504-09
				MN	S-27-505-09
				MA	S-27-506-09
N	6	10 mm	75 mm	MS	S-27-504-10
				MN	S-27-505-10
				MA	S-27-506-10
N	7	11 mm	80 mm	MS	S-27-504-11
				MN	S-27-505-11
				MA	S-27-506-11
N	8	12 mm	85 mm	MS	S-27-506-11
				MN	S-27-505-12
				MA	S-27-506-12
N	9	13 mm	90 mm	MS	S-27-504-13
				MN	S-27-505-13
				MA	S-27-506-13
M	4	8 mm	95 mm	MS	S-27-507-08
M	5	9 mm	95 mm	MS	S-27-507-09
M	6	10 mm	95 mm	MS	S-27-507-10
M	7	11 mm	95 mm	MS	S-27-507-11
M	8	12 mm	95 mm	MS	S-27-507-12
M	9	13 mm	95 mm	MS	S-27-507-13

**L** = length of tube  
**MN** = German silver  
**MS** = silver  
**MA** = stainless steel



## Goitre, Dermatology



# Lupus Currettes, Skin Hooklets



**S-28-124-14**  
14 cm / 5 1/2"  
Milium Knife



**S-28-126-00**  
Spare Blade



**S-28-124-14**



**Vidal**



**S-28-135-14**  
13 cm / 5"  
Lupus Scraper



**Fox**  
14 cm / 5 1/2"



**S-28-188-01**  
Fig.1

**S-28-188-02**  
Fig.2

**S-28-188-03**  
Fig.3

**S-28-188-04**  
Fig.4



**Wolff**  
14 cm / 5 1/2"



**S-28-196-01**  
Fig.1



**S-28-196-02**  
Fig.2



**S-28-196-03**  
Fig.3



**S-28-196-04**  
Fig.4



**S-28-196-05**  
Fig.5



**S-28-196-06**  
Fig.6



**Kilner**  
sharp



**Gillies**  
sharp



**S-28-207-18**  
18 cm / 7"  
Fig.1  
small curvature



**S-28-209-18**  
18 cm / 7"  
Fig.2  
large curvature



## Face-lift Hooks, Forceps & Dermal Punches

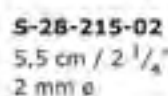


**S-28-215-03**  
13 cm / 5"

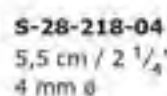


**S-28-215-04**  
13 cm / 5"

**Kaye**



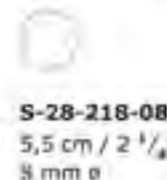
**S-28-215-02**  
5,5 cm / 2 1/4"  
2 mm ø



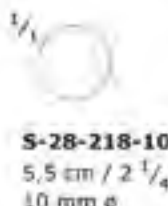
**S-28-218-04**  
5,5 cm / 2 1/4"  
4 mm ø



**S-28-218-06**  
5,5 cm / 2 1/4"  
5 mm ø



**S-28-218-08**  
5,5 cm / 2 1/4"  
8 mm ø



**S-28-218-10**  
5,5 cm / 2 1/4"  
10 mm ø



**S-28-218-12**  
5,5 cm / 2 1/4"  
12 mm ø



**S-28-220-00**  
8 cm / 3 1/4"

**S-28-218-02**  
**-28-18-12**

**Griff**  
Handle



**S-28-240-02**  
11 cm / 4 1/3"  
2 mm ø



**S-28-240-03**  
11 cm / 4 1/3"  
3 mm ø



**S-28-240-04**  
11 cm / 4 1/3"  
4 mm ø



**S-28-240-05**  
11 cm / 4 1/3"  
5 mm ø



**S-28-240-06**  
11 cm / 4 1/3"  
6 mm ø



**S-28-240-08**  
11 cm / 4 1/3"  
7 mm ø



**S-28-240-08**  
11 cm / 4 1/3"  
8 mm ø

**Keyes**

11 cm / 4 1/3"

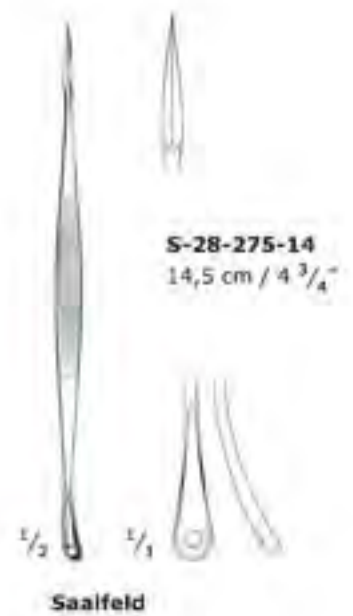
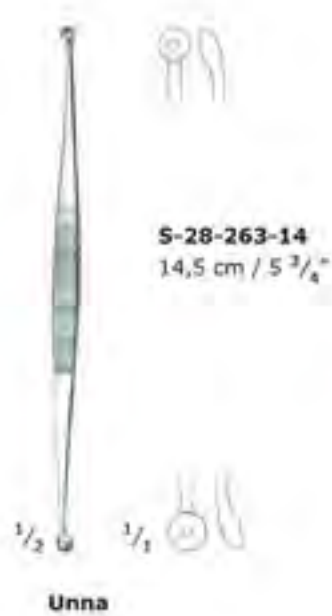
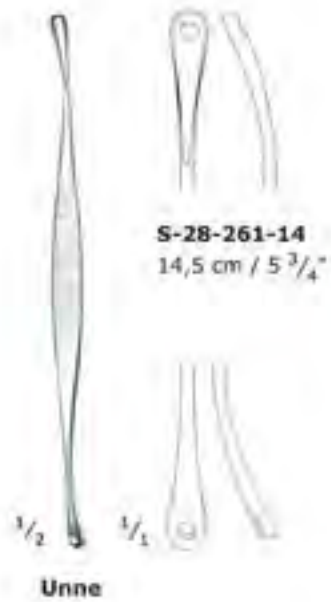


**d' Assumpcao**

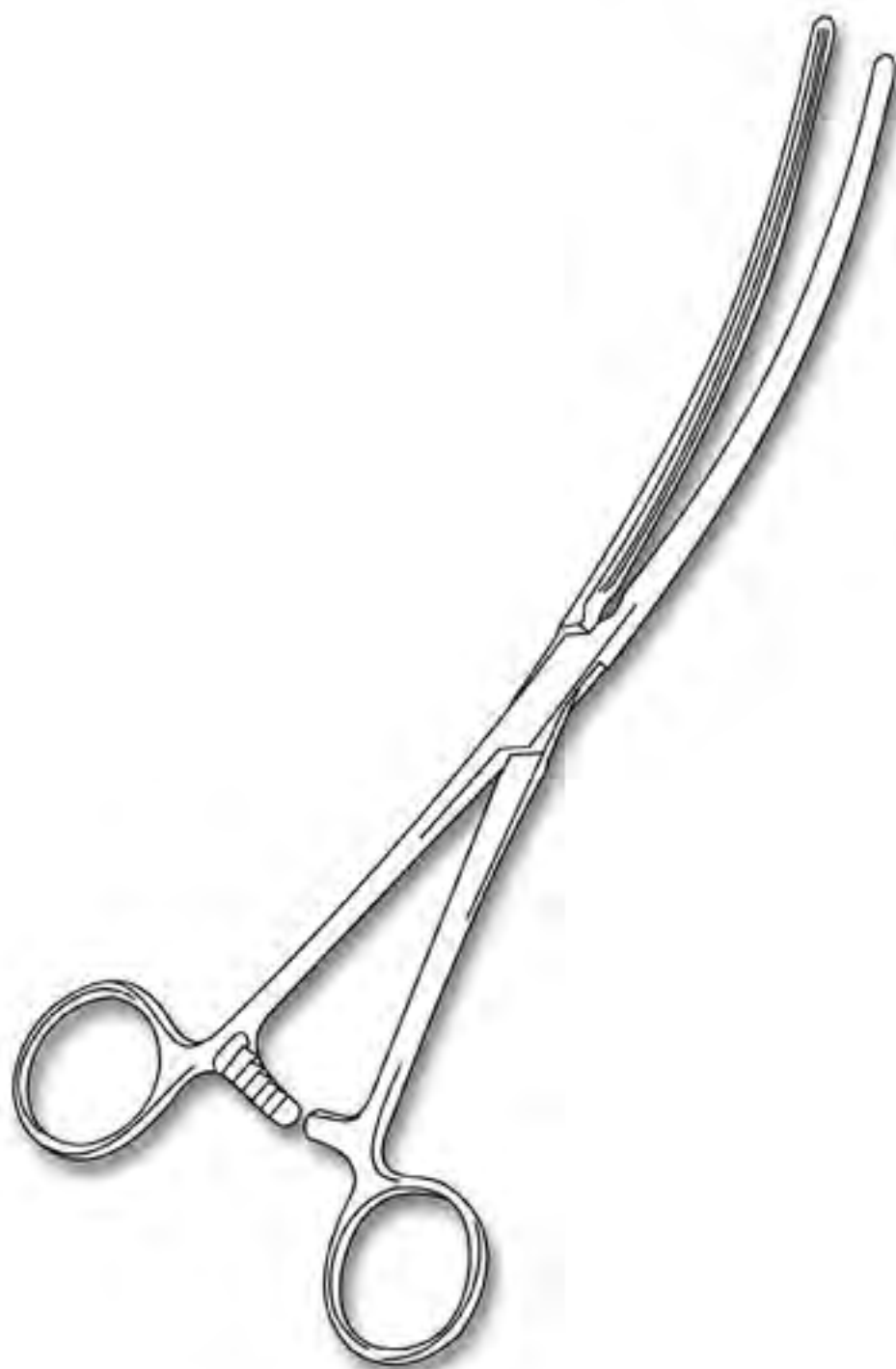


**S-28-300-15**  
18 cm / 7"

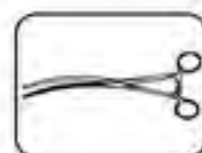
## Comedone Extractors



## **Stomach, Intestine, Rectum**



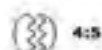
## Intestinal and Tissue Grasping Forceps



Allis-Bany



**S-30-130-12**  
13 cm / 5"



4:5



Allis



1/4

**S-30-132-15**  
15,5 cm / 6"



4:5



1/4

**S-30-134-15**  
15,5 cm / 6"



5:6



1/4

**S-30-134-19**  
19 cm / 7 1/2"

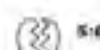


5:6



1/4

**S-30-134-25**  
25,5 cm / 10"



5:6



Allis



1/4

**S-30-136-16**  
15,5 cm / 6"



1/4

**S-30-136-20**  
20 cm / 8"



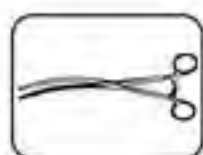
1/4

**S-30-136-25**  
24,5 cm / 9 3/4"



1/4

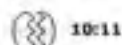
**S-30-136-30**  
30 cm / 11 3/4"



## Intestinal and Tissue Grasping Forceps



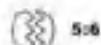
**S-30-138-15**  
16 cm / 6 1/4"



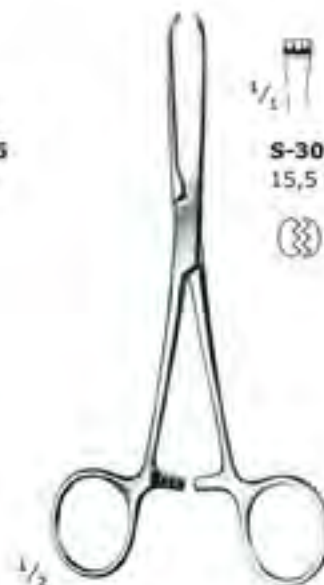
Allis-Adair



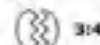
**S-30-142-15**  
15,5 cm / 6"



Boys-Allis



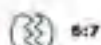
**S-30-148-15 S-30-148-19**  
15,5 cm / 6" 19 cm / 7 1/2"



Jud-Allis



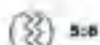
**S-30-150-20**  
20,5 cm / 8"



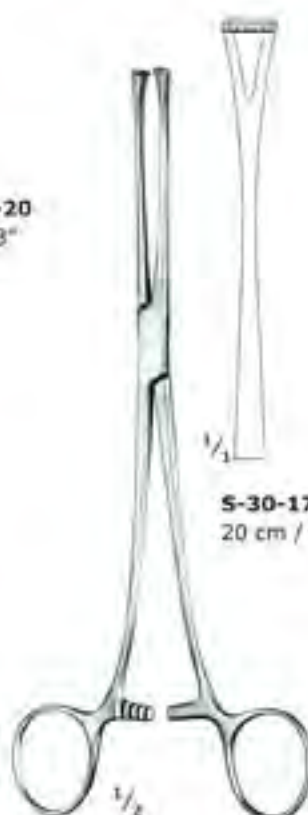
Thoms-Allis



**S-30-154-20**  
20,5 cm / 8"

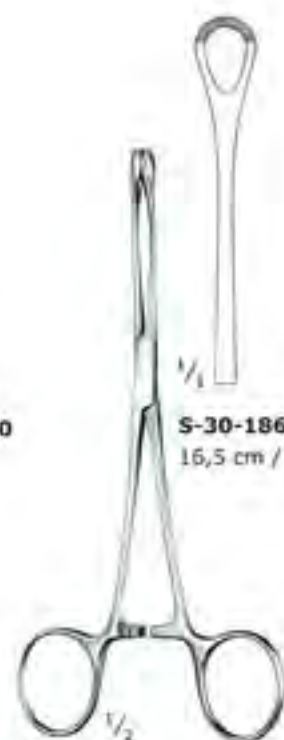


Allis



**S-30-170-20**  
20 cm / 8"

Lockwood

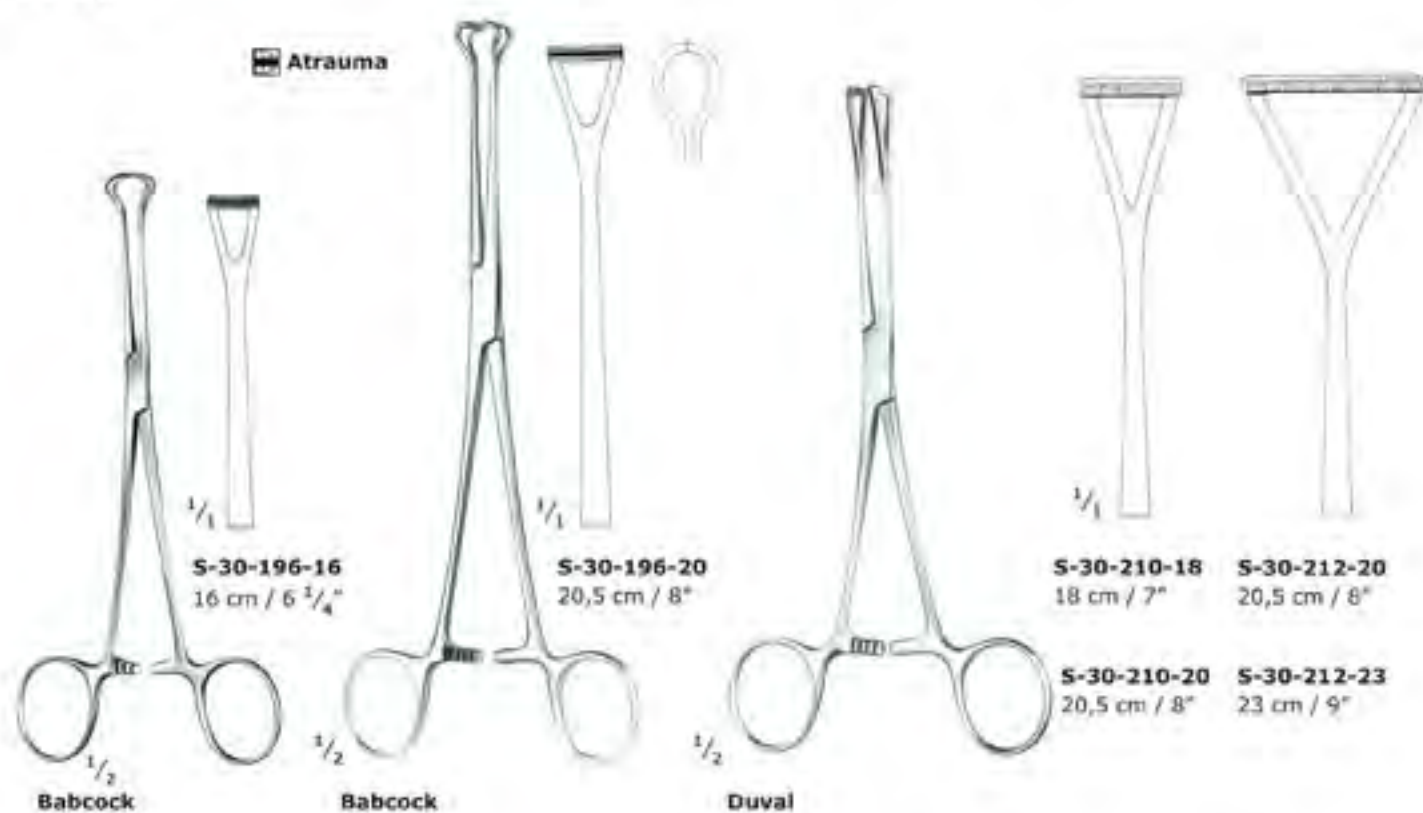


**S-30-186-16**  
16,5 cm / 6 1/2"

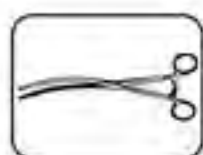
Williams



## Intestinal and Tissue Grasping Forceps







## Intestinal Clamps



Doyen



**S-30-274-21**  
21,5 cm / 8 1/2"



**S-30-275-21**  
21 cm / 8 1/4"

**S-30-274-23** **S-30-275-23**  
23,5 cm / 9 1/2" 23 cm / 9"



Doyen-Baby

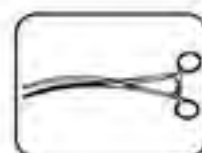


**S-30-276-18**  
18 cm / 7"



**S-30-277-18**  
17,5 cm / 7"

## Intestinal Clamps



Mayo-Robson



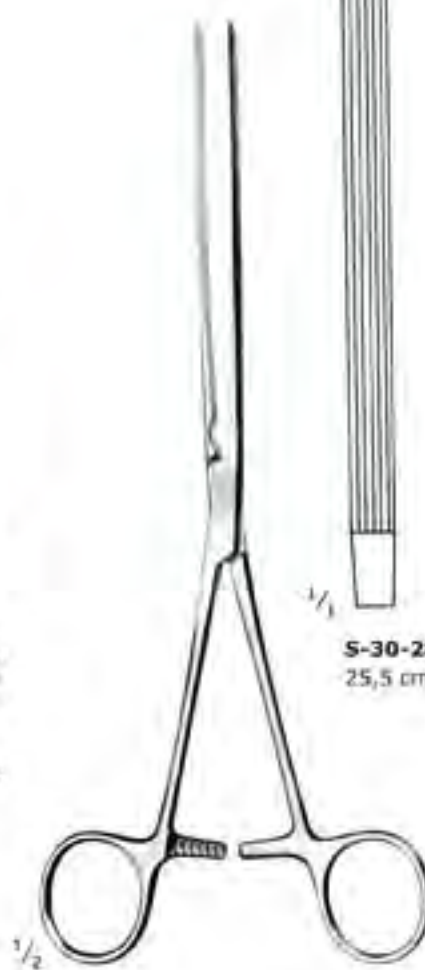
**S-30-286-21**  
21,5 cm / 8 1/2"



**S-30-287-21**  
21 cm / 8 1/4"

**S-30-286-23**  
23,5 cm / 9 1/4"

**S-30-287-23**  
23 cm / 9"



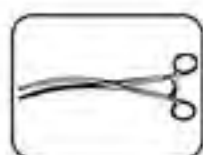
Mayo-Robson



**S-30-288-25**  
25,5 cm / 10"



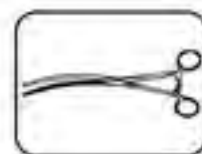
**S-30-289-25**  
24,5 cm / 9 3/4"



## Iliac Crest Awls



## Intestinal and Pylorus Clamps



Payr-Bany



**S-30-415-15**  
15 cm / 6"



Payr



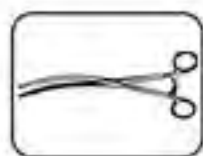
**S-30-419-21**  
20,5 cm / 8"



**S-30-425-29**  
29 cm / 11 1/2"



**S-30-433-35**  
34,5 cm / 13 1/2"



## Organ Grasping Forceps



**S-13-240-18**  
18 cm / 7"  
narrow



**S-13-240-20**  
20,5 cm / 8"  
medium



**S-13-240-23**  
23 cm / 9"  
wide



**S-13-266-25**  
25 cm / 9 3/4"

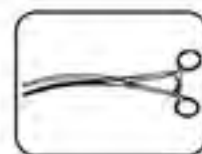


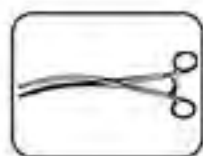
**S-13-266-26**  
26 cm / 10 1/4"



Scheibe

## Intestinal Clamps





## Intestinal Clamps



Kocher

$\frac{1}{2}$

**S-30-560-22**  
22,5 cm / 8  $\frac{3}{4}$ "



**S-30-560-25**  
25,5 cm / 10"

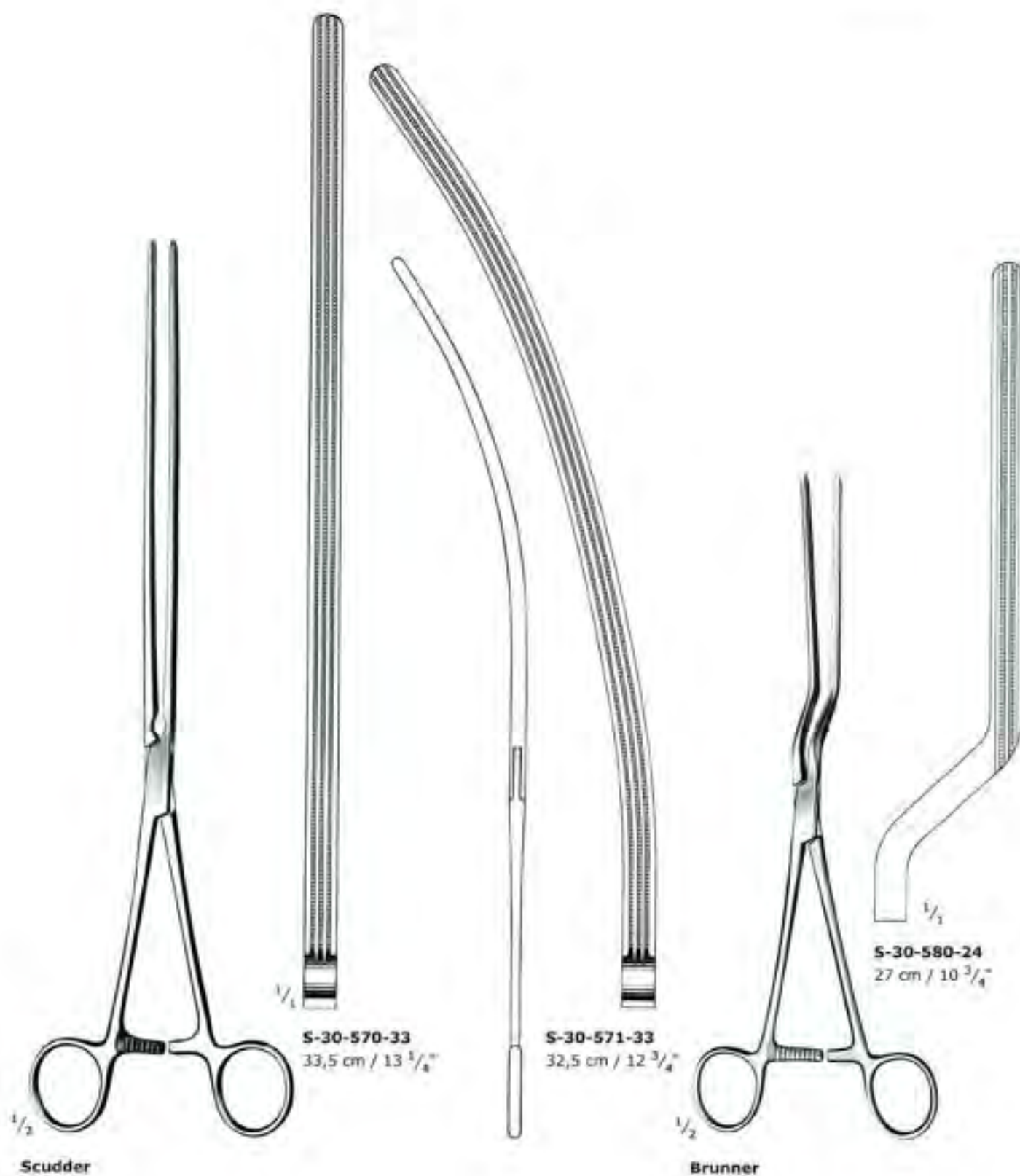
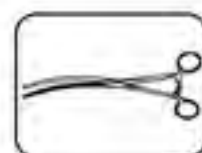


**S-30-560-28**  
28 cm / 11"

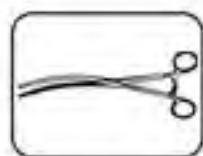




# Intestinal Clamps, Sigmoid, Anastomosis Forceps







## Sigmoid Anastomosis Forceps



## Rectal Specula



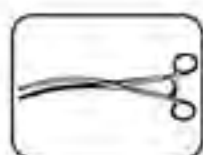
**Sims**  
**S-30-613-15**  
15.5 cm / 6"



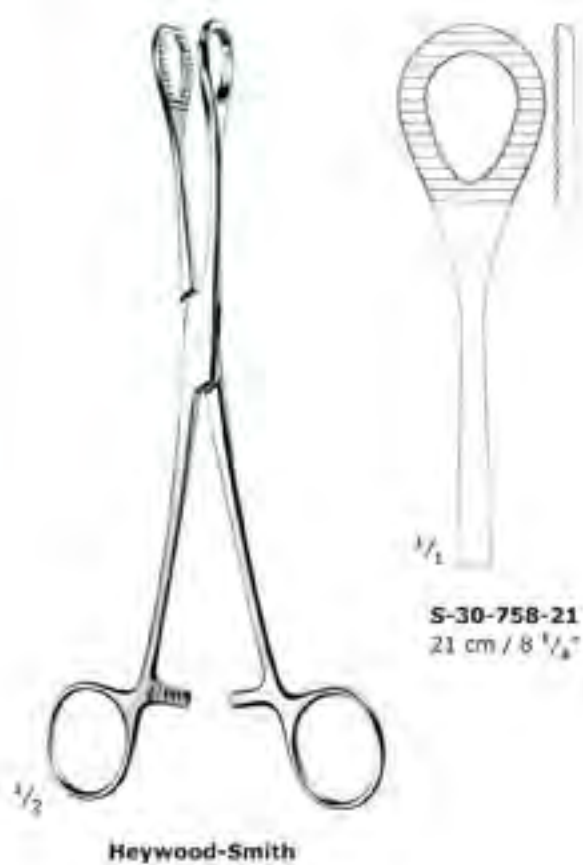
**Sims**  
**S-30-615-15**  
15.5 cm / 6"



**Mathieu**  
**S-30-625-19**  
19 cm / 7 1/2"



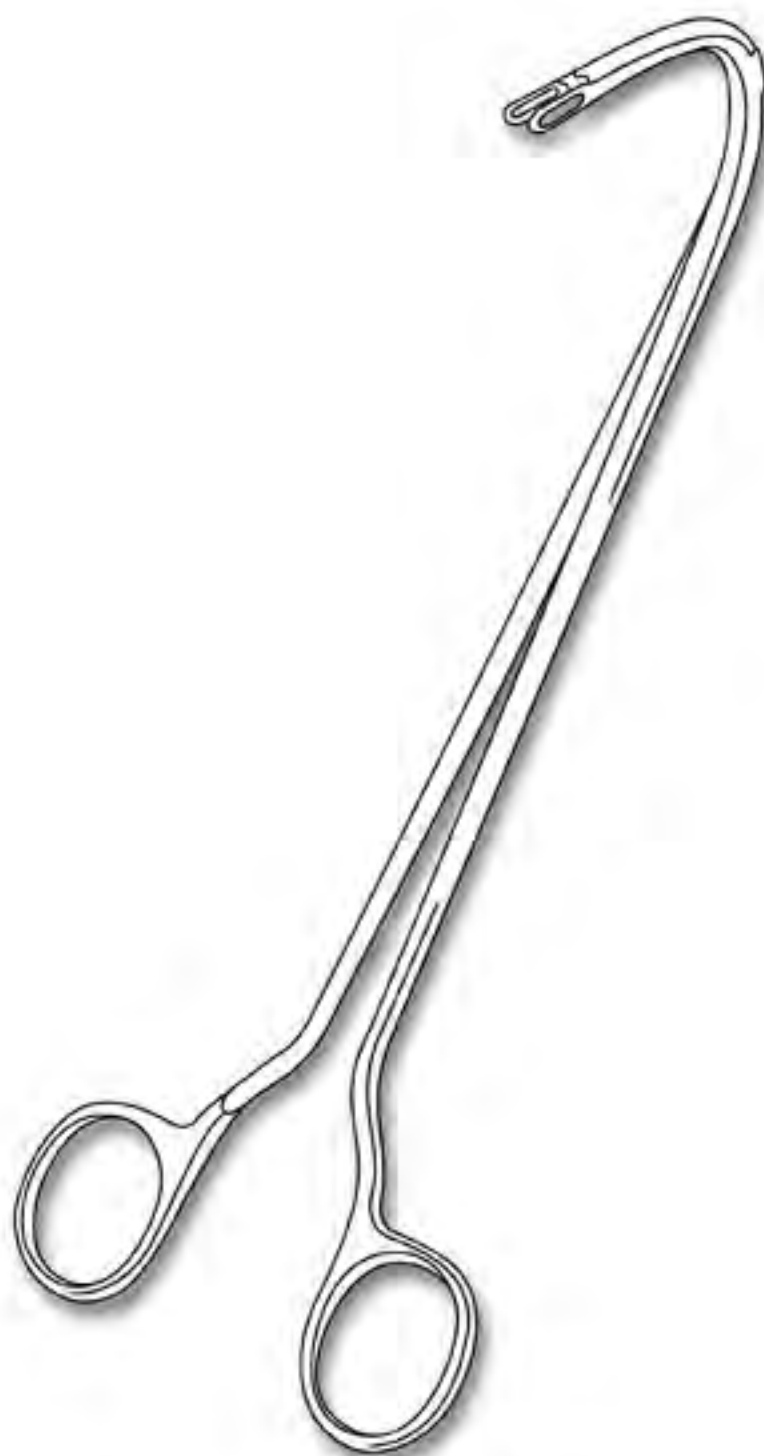
## Polypus Grasping Forceps



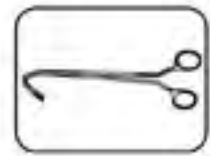
**S-30-758-21**  
21 cm / 8  $\frac{1}{4}$ "



## Liver, Gall bladder, Kidney



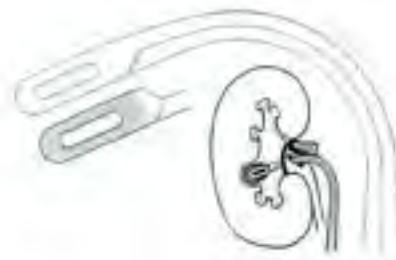
# Kidney Stone Forceps



**S-31-101-23**  
21 cm / 9"  
Fig. 1



**S-31-103-22**  
21 cm / 8 1/4"  
Fig. 2



**S-31-105-22**  
19 cm / 7 1/4"  
Fig. 3



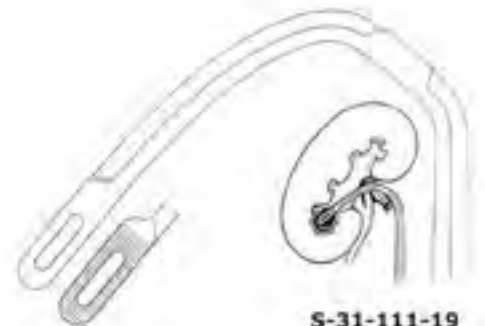
**S-31-107-22**  
18.5 cm / 7 1/4"  
Fig. 4



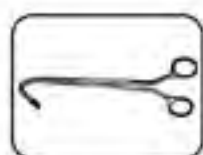
**Randall**



**S-31-109-19**  
19 cm / 7 1/2"  
Fig. 5



**S-31-111-19**  
19 cm / 7 1/2"  
Fig. 6



## Kidney Stone Forceps



**S-31-112-23**  
23 cm / 9"  
Fig. 1

**S-31-112-24**  
24.5 cm / 9 3/4"  
Fig. 2



**Randall**  
extremely delicate pattern



**S-31-113-16**  
16 cm / 6 3/4"  
Fig. 1



**S-31-113-17**  
17 cm / 6 3/4"  
Fig. 2



**Heiming**  
for Children

# Gall Duct Dilators



**S-31-170-01**  
32 cm / 12 1/2"  
Fig. 1  
1 mm Ø



**S-31-170-02**  
32 cm / 12 1/2"  
Fig. 2  
2 mm Ø



**S-31-170-03**  
32 cm / 12 1/2"  
Fig. 3  
3 mm Ø



**S-31-170-04**  
32 cm / 12 1/2"  
Fig. 4  
4 mm Ø



**S-31-170-05**  
32 cm / 12 1/2"  
Fig. 5  
5 mm Ø



**S-31-170-06**  
32 cm / 12 1/2"  
Fig. 6  
6 mm Ø



**S-31-170-07**  
32 cm / 12 1/2"  
Fig. 7  
7 mm Ø



**S-31-170-08**  
32 cm / 12 1/2"  
Fig. 8  
8 mm Ø



**S-31-170-09**  
32 cm / 12 1/2"  
Fig. 9  
9 mm Ø



**S-31-170-10**  
32 cm / 12 1/2"  
Fig. 10  
10 mm Ø



**S-31-170-11**  
32 cm / 12 1/2"  
Fig. 11  
11 mm Ø



**S-31-170-12**  
32 cm / 12 1/2"  
Fig. 12  
12 mm Ø

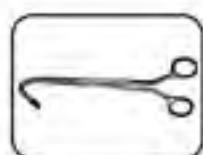


**S-31-170-13**  
32 cm / 12 1/2"  
Fig. 13  
13 mm Ø



**Bakes**  
Malleable Shaft





## Gall Stone Forceps



Blake



**S-31-204-20**  
21 cm / 8 1/4"



**S-31-205-20**  
21 cm / 8 1/4"



Mayo-Blake



**S-31-214-20**  
21 cm / 8 1/4"



Mayo-Blake



**S-31-215-20**  
21 cm / 8 1/4"



Mixer



**S-31-217-22**  
21.5 cm / 8 1/2"

## Gall Stone Forceps



**Desjardins**



**S-31-223-23**  
23 cm / 9"



**S-31-225-23**  
23 cm / 9"



**Desjardins**  
Very slender pattern



**S-31-226-24**  
24 cm / 9 1/2"



**S-31-226-25**  
22.5 cm / 8 3/4"



## Prostatic Retractors



**Young**  
**S-31-401-21**  
21.5 cm / 8 1/2"



**Young**  
**S-31-403-22**  
20.5 cm / 8"



**Young**  
**S-31-405-21**  
22 cm / 8 3/4"



**Young**  
**S-31-407-22**  
21.5 cm / 8 1/2"

# Capsule Forceps





## Capsule Forceps, Ligature Carrying Forceps



## Bladder Neck Spreader, Bladder Retractors



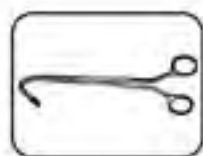
**Millin**  
**S-31-475-00**  
 29 cm / 11 1/2"



**Thomson-Walker**

### **S-31-503-00**

Complete with  
 2 pairs of lateral  
 blades,  
 1 central blade and  
 1 retractor



## Bladder Retractors, Bladder Spatula



$\frac{1}{2}$

**Judd-Masson**  
**S-31-510-00**



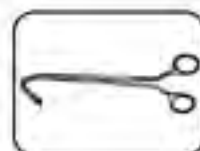
35 mm

$\frac{1}{2}$

**Legueu**  
**S-31-527-27**  
24 cm / 9  $\frac{1}{2}$ "



## Bladder Retractors



**S-31-512-00**  
complete, with 2 pairs  
of lateral blades  
57 x 25 mm and  
80 x 25 mm  
and 1 central blade  
120 x 45 mm  
without FO Carrier

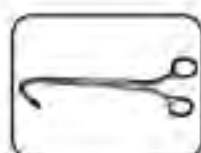
**S-31-512-50**  
complete, with 2 pairs  
of lateral blades  
57 x 25 mm and  
80 x 25 mm and  
1 central blade  
120 x 45 mm with  
FO Carrier

**S-31-512-51**  
FO Light Carrier

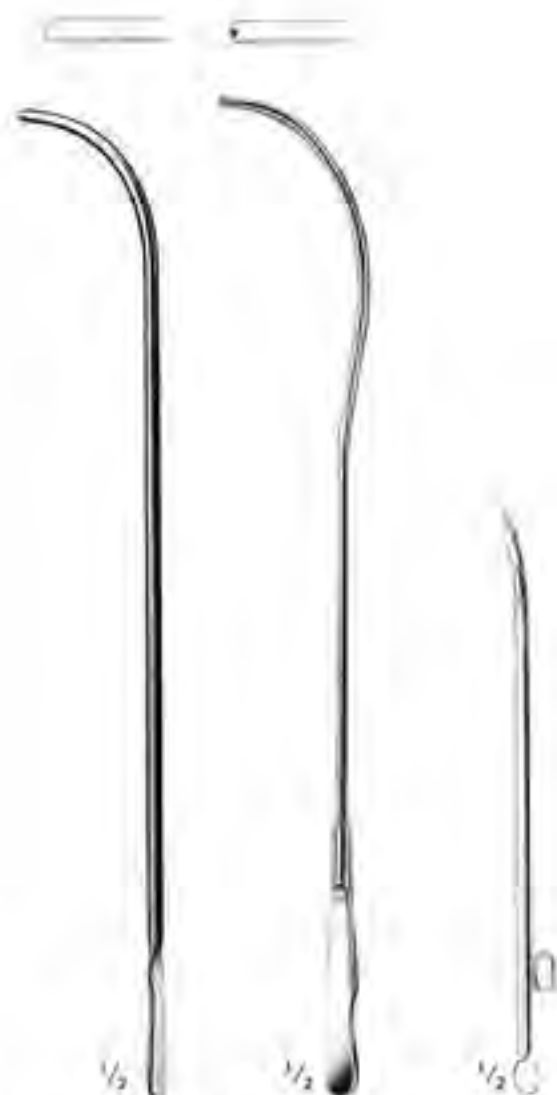


**S-31-512-00**





## Urethral Sounds



Van Buren  
S-31-599-00  
S-31-599-36

Guyon  
S-31-607-10  
S-31-607-30

S-31-721-06  
S-31-721-16  
Metal Catheters  
female

		Van Buren	Guyon	
mm	in	Catheters		
2	6			S-31-721-06
2 1/8	7			
2 1/4	8	S-31-599-08		
3	9			
3 1/8	10	S-31-599-10	S-31-607-10	S-31-721-10
3 1/4	11		S-31-607-11	
4	12	S-31-599-12	S-31-607-12	S-31-721-12
4 1/8	13		S-31-607-13	
4 1/4	14	S-31-599-14	S-31-607-14	S-31-721-14
5	15		S-31-607-15	
5 1/8	16	S-31-599-16	S-31-607-16	S-31-721-16
5 1/4	17		S-31-607-17	
6	18	S-31-599-18	S-31-607-18	
6 1/8	19		S-31-607-19	
6 1/4	20	S-31-599-20	S-31-607-20	
7	21		S-31-607-21	
7 1/8	22	S-31-599-22	S-31-607-22	
7 1/4	23		S-31-607-23	
8	24	S-31-599-24	S-31-607-24	
8 1/8	25		S-31-607-25	
8 1/4	26	S-31-599-26	S-31-607-26	
9	27		S-31-607-27	
9 1/8	28	S-31-599-28	S-31-607-28	
9 1/4	29		S-31-607-29	
10	30	S-31-599-30	S-31-607-30	
10 1/8	31			
10 1/4	32	S-31-599-32		
11	33			
11 1/8	34	S-31-599-34		
11 1/4	35			
12	36	S-31-599-36		
Complete Set		S-31-599-00		

S-31-610-12

## Circumcision and Catheter Guides Instruments



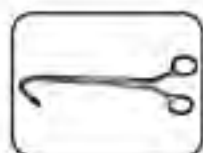
**MOGEN**  
**S-31-766-00**  
 4,5 cm / 3"  
 Circumcision Instrument



**Guyon**  
**S-31-792-39**  
 40 cm / 15 3/4"



**Guyon**  
**S-31-793-35**  
 37 cm / 14 1/2"



## Catheter Guides, Foreign Body Forceps



**Stockmann**  
**S-31-875-08**  
8 cm / 3 1/4"  
Penis Clamp



**Strauss**  
**S-31-881-11**  
11 cm / 4 1/4"  
Penis Clamp



**Mathieu**  
**S-31-811-20**  
length of shaft  
200 mm

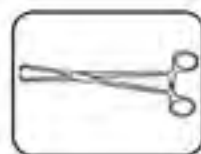
**Mathieu**  
**S-31-811-28**  
length of shaft  
300 mm



## Gynecology



## Vaginal Specula



**Cusco**

**S-32-110-01** = 75 x 32 mm

**S-32-110-02** = 85 x 35 mm

**S-32-110-03** = 100 x 35 mm



**Cusco**

**S-32-112-01** = 75 x 18 mm



**Cusco**

**S-32-114-01** = 80 x 22 mm

**S-32-114-02** = 100 x 25 mm

**S-32-114-03** = 105 x 27 mm

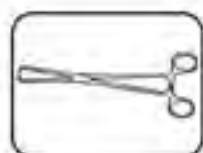


**Cusco**

**S-32-116-01** = 75 x 34 mm

**S-32-116-02** = 85 x 37 mm

**S-32-116-03** = 100 x 37 mm



## Vaginal Specula, Vaginal Retractors



### Sims

- S-32-185-01** = 65 x 25 mm/70 x 30 mm  
**S-32-185-02** = 70 x 30 mm/70 x 35 mm  
**S-32-160-03** = 85 x 35 mm/90 x 40 mm



set no,

consisting of

### Kristeller

- S-32-182-01** = Fig.1 70 x 27 mm  
**S-32-182-02** = Fig.2 80 x 30 mm  
**S-32-182-03** = Fig.3 90 x 36 mm

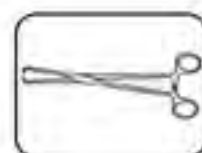
### Kristeller

- S-32-183-01** = Fig.1 75 x 23 mm  
**S-32-183-02** = Fig.2 85 x 26 mm  
**S-32-183-03** = Fig.3 100 x 32 mm

### Kristeller

- S-32-185-01** 1 S-32-182-01 + S-32-183-01  
**S-32-185-02** 2 S-32-182-02 + S-32-183-02  
**S-32-185-03** 3 S-32-182-03 + S-32-183-03

## Vaginal Specula, Vaginal Tetractors



slender pattern



**Kristeller**

**S-32-190-01** = Fig.1 105 x 18 mm

**S-32-190-02** = Fig.2 105 x 21 mm



**Kristeller**

**S-32-191-01** = Fig.1 110 x 14 mm

**S-32-191-02** = Fig.2 110 x 17 mm



$\frac{1}{2}$

set no,

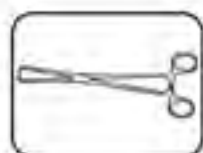
consisting of

**Kristeller**

**S-32-195-01** 1 S-32-190-01 + S-32-191-01

**S-32-195-02** 2 S-32-190-02 + S-32-191-02





## Vaginal Specula, Vaginal Retractors



1/2



1/2



1/2

set no. consisting of

### Kallmorgen

**S-48-232-01** = Fig. 1 70 x 40 mm

**S-48-232-02** = Fig. 2 90 x 40 mm

### Kallmorgen

**S-48-233-01** = Fig. 1 70 x 33 mm

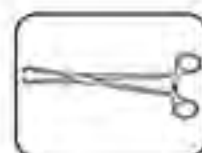
**S-48-233-02** = Fig. 2 70 x 33 mm

### Kallmorgen

**S-48-235-01** 1 S-32-232-01 + S-32-233-01

**S-48-235-02** 2 S-32-232-02 + S-32-233-02

## Vaginal Specula



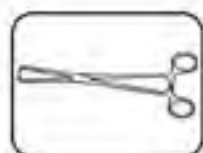
Doyen

slightly concave

S-32-249-01 Fig.1 = 63 x 35 mm  
 S-32-249-02 Fig.2 = 94 x 35 mm  
 S-32-249-03 Fig.3 = 124 x 35 mm

S-32-251-01 Fig.1 = 66 x 47 mm  
 S-32-250-02 Fig.2 = 95 x 47 mm  
 S-32-250-03 Fig.3 = 126 x 47 mm  
 S-32-250-04 Fig.4 = 160 x 47 mm

S-32-251-01 Fig.1 = 55 x 60 mm  
 S-32-251-02 Fig.2 = 95 x 60 mm  
 S-32-251-03 Fig.3 = 130 x 60 mm  
 S-32-251-04 Fig.4 = 175 x 60 mm



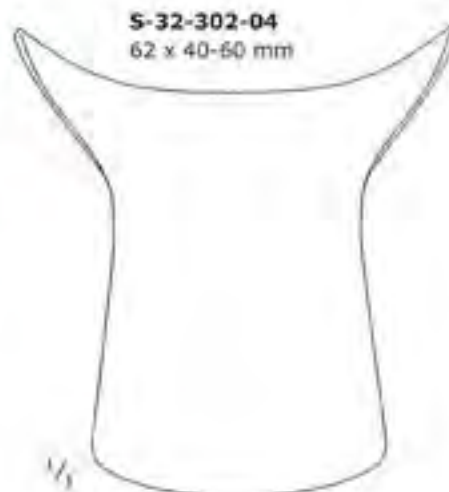
## Vaginalspekula



**Scherbak**  
Specula Blade, Only



**S-32-302-14**



**S-32-302-04**  
62 x 40-60 mm



**S-32-302-05**  
81 x 45-70 mm



**Scherbak**  
Gewicht zum  
Vajinalspekulum

**S-32-302-10**  
10.5 cm / 4"  
400 g

**S-32-302-12**  
13 cm / 5"  
800 g

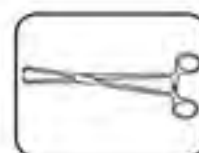


**S-32-302-14**  
20 cm / 8"  
Griff zum  
Vajinalspekulum

$\frac{1}{2}$

**Scherbak**

# Vaginalspekula




**Auvard**

**S-32-310-22**  
80 x 43 mm  
complete, with  
detachable weight

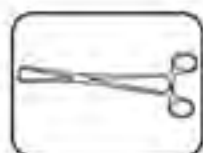


**Weissbarth**

**S-32-314-99**  
Strainer for Vaginal  
Speculum

  
**S-32-314-24**

**S-32-314-24**  
80 x 42 mm  
complete, with  
detachable strainer



## Vaginal Specula Vaginal Retractors



Breisky

- S-32-323-20** = 100 x 20 mm
- S-32-323-25** = 100 x 25 mm
- S-32-323-30** = 100 x 30 mm
- S-32-323-35** = 100 x 35 mm
- S-32-323-40** = 100 x 40 mm

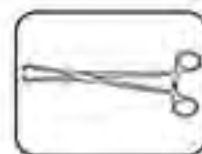
- S-32-324-20** = 130 x 20 mm
- S-32-324-25** = 130 x 25 mm
- S-32-324-30** = 130 x 30 mm
- S-32-324-35** = 130 x 35 mm
- S-32-324-40** = 130 x 40 mm

- S-32-324-40** = 155 x 40 mm



Doyen  
S-32-342-24  
25 cm / 9 3/4"

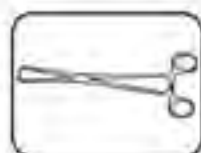
## Endocurvical Specula



**Kogan**  
**S-32-381-24**  
24.5 cm / 9  $\frac{3}{4}$ "



**Kogan**  
**S-32-383-24**  
24.5 cm / 9  $\frac{3}{4}$ "  
with graduated ratchet and fixing screw



## Uterine Dilators



Hegar

With Pouch  
8 pieces

mm Ø		
1,0	<b>S-32-400-01</b>	<b>S-32-401-01</b>
1,5		
2,0	<b>S-32-400-02</b>	<b>S-32-401-02</b>
2,5		
3,0	<b>S-32-400-03</b>	<b>S-32-401-03</b>
3,5		
4,0	<b>S-32-400-04</b>	<b>S-32-401-04</b>
4,5		
5,0	<b>S-32-400-05</b>	<b>S-32-401-05</b>
5,5		
6,0	<b>S-32-400-06</b>	<b>S-32-401-06</b>
6,5		
7,0	<b>S-32-400-07</b>	<b>S-32-401-07</b>
7,5		
8,0	<b>S-32-400-08</b>	<b>S-32-401-08</b>
8,5		
9,0	<b>S-32-400-09</b>	<b>S-32-401-09</b>
9,5		
10,0	<b>S-32-400-10</b>	<b>S-32-401-10</b>
10,5		
11,0	<b>S-32-400-11</b>	<b>S-32-401-11</b>
11,5		
12,0	<b>S-32-400-12</b>	<b>S-32-401-12</b>
12,5		
13,0	<b>S-32-400-13</b>	<b>S-32-401-13</b>
13,5		
14,0	<b>S-32-400-14</b>	<b>S-32-401-14</b>
14,5		
15,0	<b>S-32-400-15</b>	<b>S-32-401-15</b>
15,5		
16,0	<b>S-32-400-16</b>	<b>S-32-401-16</b>
16,5		
17,0	<b>S-32-400-17</b>	<b>S-32-401-17</b>
17,5		
18,0	<b>S-32-400-18</b>	
19,0	<b>S-32-400-19</b>	
20,0	<b>S-32-400-20</b>	
21,0	<b>S-32-400-21</b>	
22,0	<b>S-32-400-22</b>	
23,0	<b>S-32-400-23</b>	
24,0	<b>S-32-400-24</b>	
25,0	<b>S-32-400-25</b>	
26,0	<b>S-32-400-26</b>	



1/2

Hegar

mm Ø	
1,0 / 2,0	<b>S-32-430-02</b>
3,0 / 4,0	<b>S-32-430-04</b>
5,0 / 6,0	<b>S-32-430-06</b>
7,0 / 8,0	<b>S-32-430-08</b>
9,0 / 10,0	<b>S-32-430-10</b>
11,0 / 12,0	<b>S-32-430-12</b>
13,0 / 14,0	<b>S-32-430-14</b>
15,0 / 16,0	<b>S-32-430-16</b>
17,0 / 18,0	<b>S-32-430-18</b>
19,0 / 20,0	<b>S-32-430-20</b>
21,0 / 22,0	<b>S-32-430-22</b>
23,0 / 24,0	<b>S-32-430-24</b>
25,0 / 26,0	<b>S-32-430-26</b>

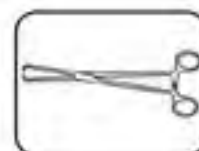
Hegar

**S-32-430-80**

set of 8 pieces  
from 3,0 / 4,0 to 17,0/18,0 mm  
without case



## Uterine Dilators



### **S-32-430-82**

set of 8 pieces  
from 3.0/ 4.0 to 17.0 / 18.0 mm  
in bollable canvas roll

Hegar

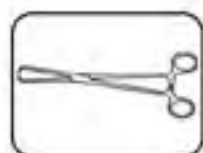


### **S-32-430-84**

set of 8 pieces  
from 3.0/ 4.0 to 17.0 / 18.0 mm  
in metal case with hinged lid

Hegar





## Uterine Dilators

### American scale

- S-32-460-10** Fig. 9/10 4.5/5.0 mm ø
- S-32-460-12** Fig. 11/12 5.5/6.0 mm ø
- S-32-460-14** Fig. 13/14 6.5/7.0 mm ø
- S-32-460-14** Fig. 15/16 7.5/8.0 mm ø
- S-32-460-14** Fig. 17/18 8.5/9.0 mm ø
- S-32-460-14** Fig. 19/20 9.5/10.0 mm ø

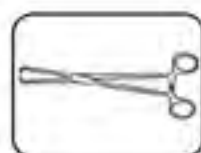


$\frac{1}{2}$



**Hank**  
**S-32-460-82**  
set of 6 pieces

# Uterine Sound,Uterine Depressor



**Sims**  
**S-32-583-32**  
 33 cm / 13"  
 rigid



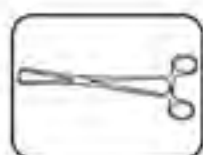
**Sims**  
**S-32-584-32**  
 33 cm / 13"  
 malleable



**Valleix**  
**S-32-593-25**  
 29.5 cm / 11 1/2"



**Braun**  
**32-595-26**  
 31.5 cm / 10 1/2"



## Uterine Tenaculum Forceps, Amniotome



**Schroder**  
S-32-622-25  
25.5 cm / 10"



**Braun**  
S-32-628-25  
26 cm / 10 1/4"

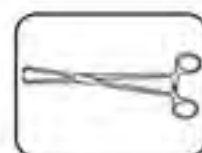


**Duplay**  
S-32-645-28  
25.5 cm / 10"



**Beacham**  
S-32-659-26  
26 cm / 10 1/4"  
Amniotome

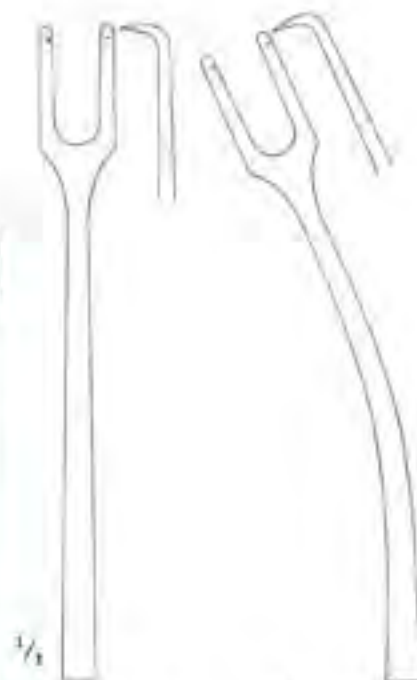
# Uterine Tenaculum Forceps



**Skene**  
S-32-663-24  
24 cm / 9 1/2"



**Schroder**

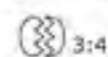


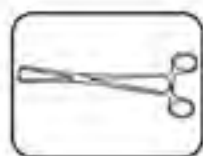
**S-32-682-24**  
25 cm / 9 3/4"

**S-32-683-24**  
23.5 cm / 9 1/4"



**Teale**  
S-32-697-23  
23.5 cm / 9 1/4"

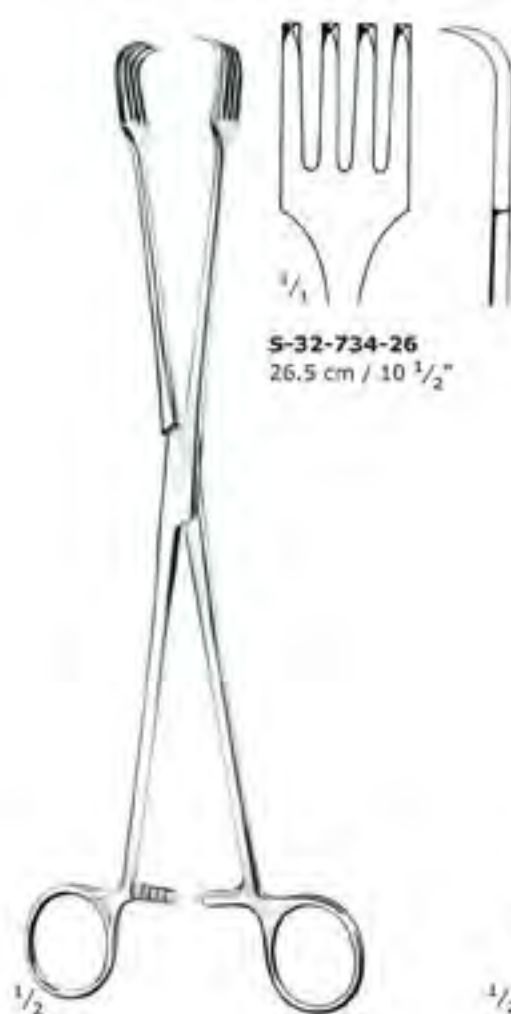
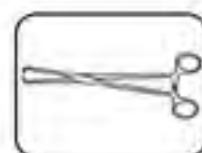




## Uterine Tenaculum Forceps



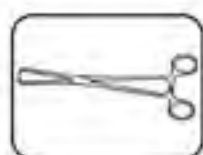
# Uterine Tenaculum Forceps



Braun



Czerny



## Uterine Polypus Forceps



Kelly



**S-32-741-32**  
32 cm / 12 1/2"



Noto



**S-32-744**  
27 cm / 11"



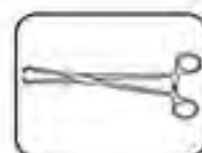
Heywood-Smith



**S-32-745-245**  
25 cm / 9 3/4"



# Myoma Screws, Myoma Knife



**Doyen**  
**S-32-757-17**  
 17 cm / 6 <sup>3</sup>/<sub>4</sub>"  
 Spiral  
 14mm  $\phi$



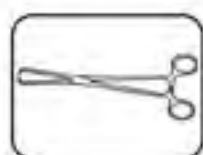
**Doyen**  
**S-32-759-17**  
 14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"  
 Spiral  
 25mm  $\phi$



**S-32-762-27**  
 28 cm / 11"  
 Spiral  
 Cutting Edge 13mm Wide

**Segond**

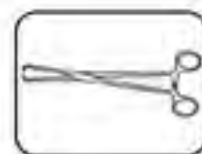


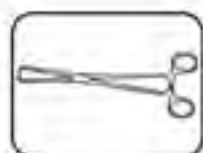


## Uterine Seizing Forceps

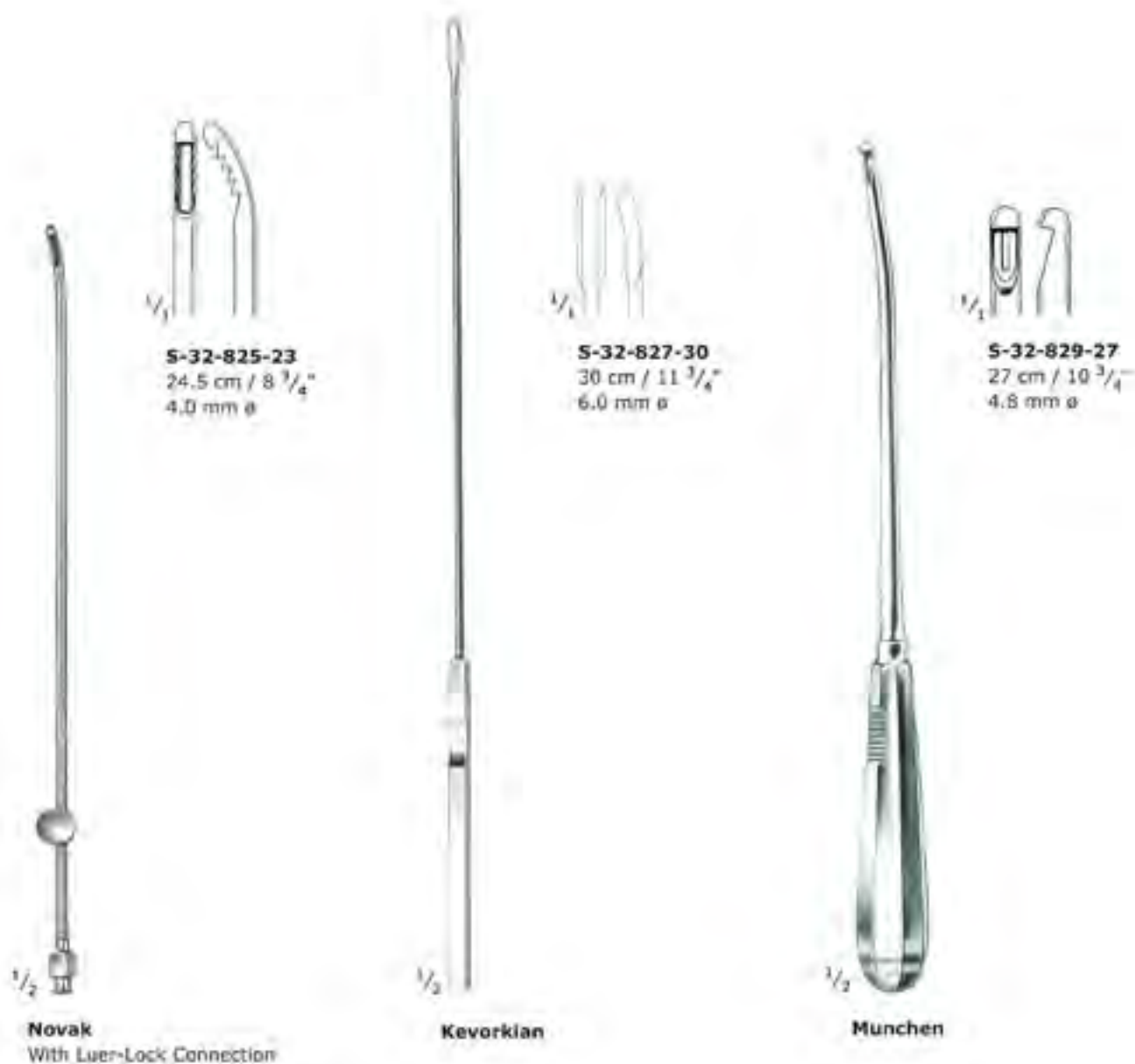


## Fistula Hooks

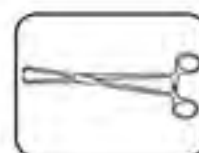




## Suction Curettes, Uterine Biopsy Curettes



## Uterine Biopsy Forceps



**S-32-846-21**  
21.5 cm / 8 <sup>1</sup>/<sub>2</sub>"



**S-32-841-23**  
24 cm / 9 <sup>1</sup>/<sub>2</sub>"  
Jaw 8.6 mm Wide



**Geilhorn**



**S-32-843-21**  
21 cm / 8 <sup>1</sup>/<sub>4</sub>"  
Jaw 8.4 mm Wide



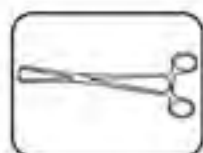
**Faure**



**S-32-846-28**  
28 cm / 11"



**Schubert**  
Jaw 4.8 mm Wide



## Uterine Biopsy Forceps



**S-32-851-22**  
21 cm / 8 <sup>1</sup>/<sub>4</sub>"



**S-32-851-24**  
23.5 cm / 9 <sup>1</sup>/<sub>4</sub>"



**S-32-851-24**  
25.5 cm / 10"



**S-32-855-24**  
27 cm / 10 <sup>3</sup>/<sub>4</sub>"



**Thoms-Gaylor**  
Jaw 5.6 mm ø

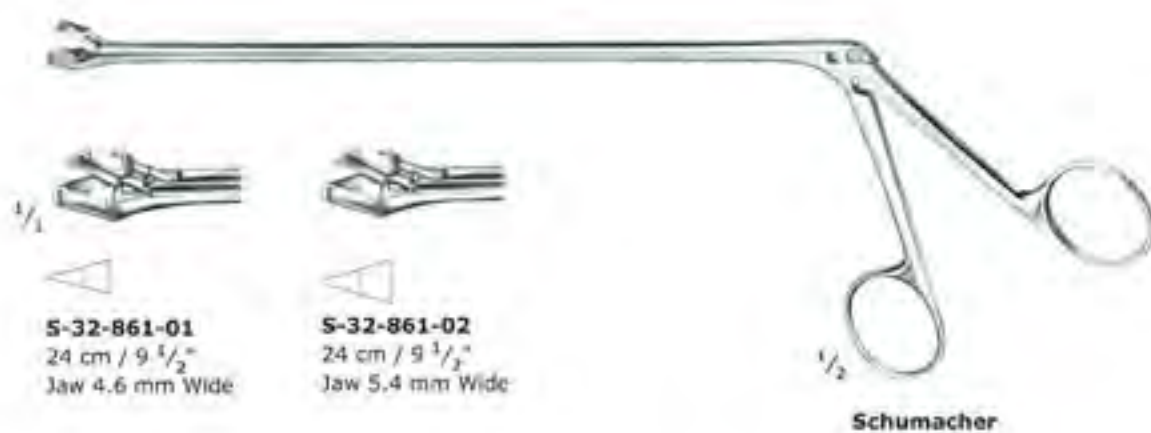
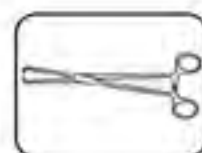


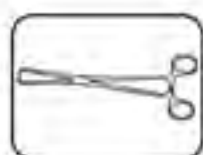
**Schubert**  
Jaw 5.0 mm Wide



**Van Doren**  
Jaw 5.5 mm Wide

# Uterine Biopsy Forceps





## Uterine Curettes



1/2

**Recamier**  
32-920-05  
32-920-40



1/2

**Recamier**  
32-921-05  
32-921-40



1/2

**Sims**  
32-926-05  
32-926-40



1/2

**Sims**  
32-927-05  
32-927-40

Wide

Sharp, rigid

Sharp, Malleable

Blunt, rigid

Blunt, Malleable

00	5mm	32-920-05	32-921-05	32-926-05	32-927-05
0	6mm	32-920-06	32-921-06	32-926-06	32-927-06
1	7mm	32-920-07	32-921-07	32-926-07	32-927-07
2	8mm	32-920-08	32-921-08	32-926-08	32-927-08
3	9mm	32-920-09	32-921-09	32-926-09	32-927-09
4	10mm	32-920-11	32-921-11	32-926-11	32-927-11
5	12mm	32-920-12	32-921-12	32-926-12	32-927-12
6	14mm	32-920-14	32-921-14	32-926-14	32-927-14
7	15mm	32-920-15	32-921-15	32-926-15	32-927-15
8	16mm	32-920-16	32-921-16	32-926-16	32-927-16
9	19mm	32-920-19	32-921-19	32-926-19	32-927-19
10	20mm	32-920-20	32-921-20	32-926-20	32-927-20
11	21 mm	32-920-21	32-921-21	32-926-21	32-927-21
12	23mm	32-920-23	32-921-23	32-926-23	32-927-23
13	25mm	32-920-25	32-921-25	32-926-25	32-927-25
14	30mm	32-920-30	32-921-30	32-926-30	32-927-30
15	35mm	32-920-35	32-921-35	32-926-35	32-927-35
16	40mm	32-920-40	32-921-40	32-926-40	32-927-40



# Uterine Curettes

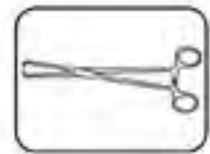


Fig. 00  
5 mm  
31 cm/12 1/4"



Fig. 0  
6 mm  
31 cm/12 1/4"



Fig. 1  
7 mm  
31 cm/12 1/4"



Fig. 2  
8 mm  
31 cm/12 1/4"



Fig. 3  
9 mm  
31 cm/12 1/4"



Fig. 4  
11 mm  
31 cm/12 1/4"



Fig. 5  
12 mm  
31 cm/12 1/4"



Fig. 6  
14 mm  
31 cm/12 1/4"



Fig. 7  
15 mm  
31 cm/12 1/4"



Fig. 8  
16 mm  
31 cm/12 1/4"



Fig. 9  
19 mm  
31 cm/12 1/4"



Fig. 10  
20 mm  
31 cm/12 1/4"



Fig. 11  
21 mm  
31 cm/12 1/4"



Fig. 12  
31 mm  
31 cm/12 1/4"



Fig. 13  
25 mm  
34 cm/13 1/4"



Fig. 14  
30 mm  
35 cm/13 3/4"



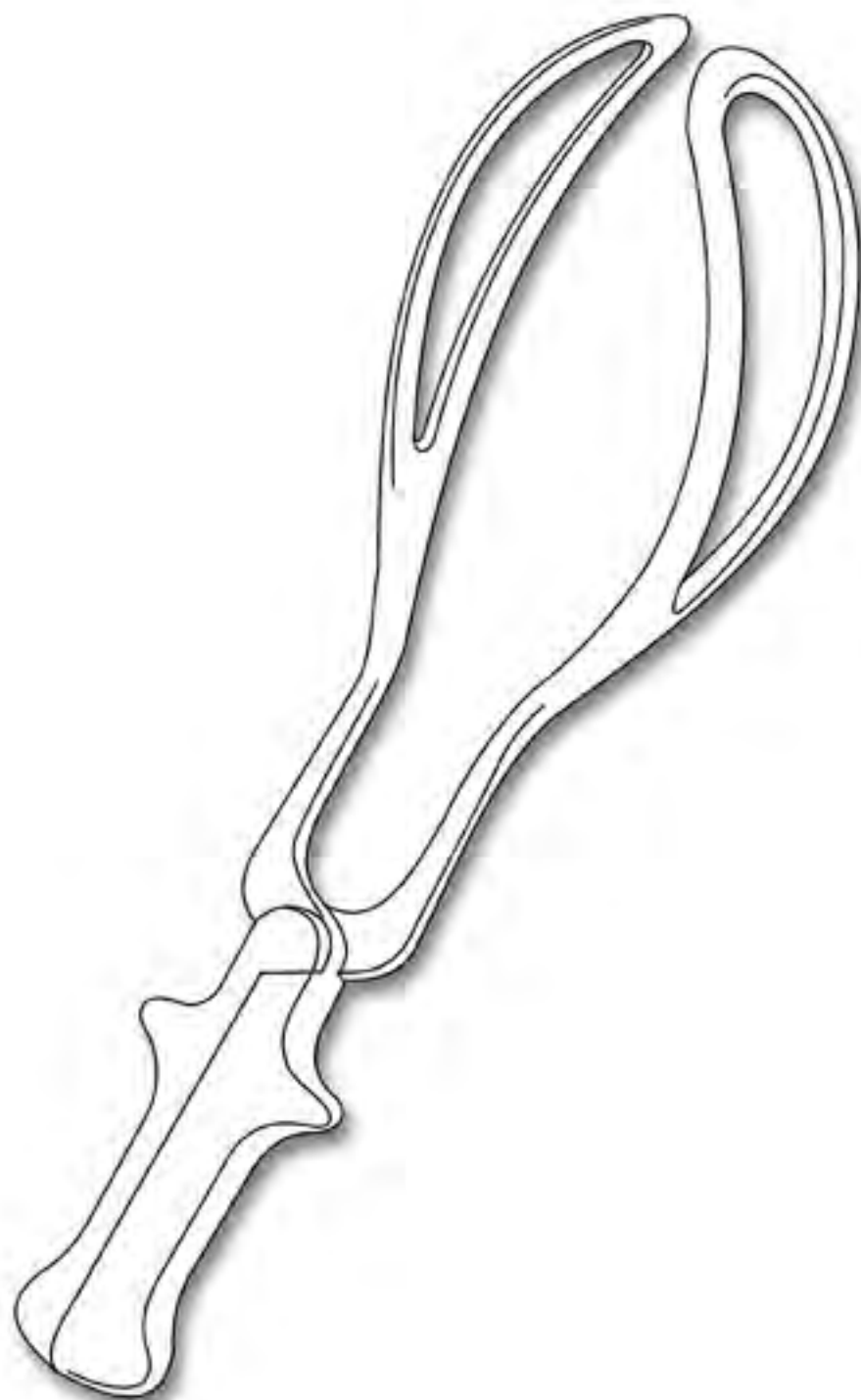
Fig. 15  
30 mm  
35 cm/13 3/4"



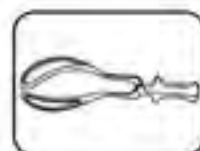
Fig. 15  
40 mm  
35 cm/13 3/4"



## Obstetrics



# Pelvimeter, Obstetrical Forceps



**S-33-103-34**  
34 cm / 13 1/2"  
cm / inch scale



**Nagele**  
**S-33-141-36**  
35 cm / 13 3/4"

**S-33-141-40**  
40.5 cm / 16"



**Simpson**  
**S-33-145-30**  
31 cm / 12 1/4"



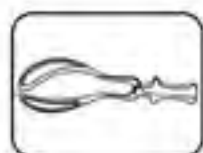
**Wrigley**  
**S-33-146-28**  
28 cm / 11"



**Simpson**  
**S-33-145-36**  
36.5 cm / 14 1/4"



**Kielland**  
**S-33-195-41**  
42 cm / 16 1/2"



## Placenta and Ovum Forceps



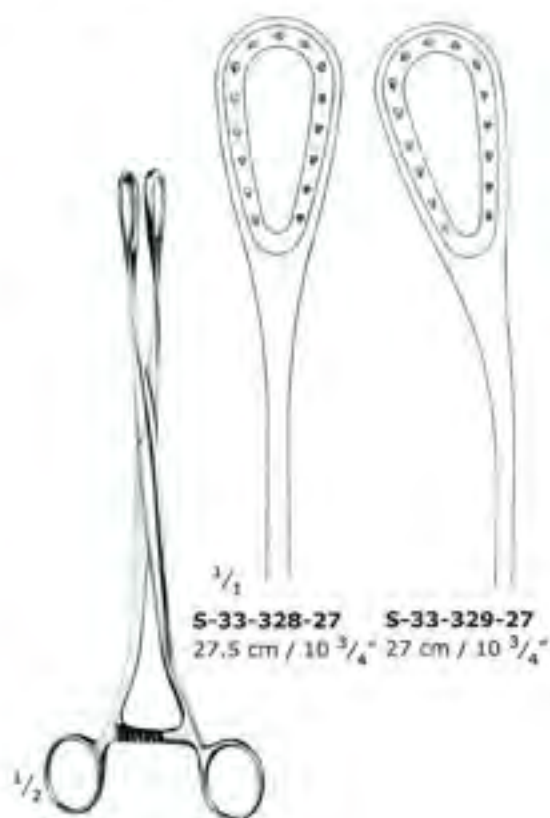
**S-33-300-21**  
21 cm / 8 1/4"

**Green-Armytage**  
Uterine Clamp



**S-33-309-28**  
32 cm / 12 1/2"

**Seilheim**  
Obstetrical Lever



**S-33-328-27** **S-33-329-27**  
27.5 cm / 10 3/4" 27 cm / 10 3/4"

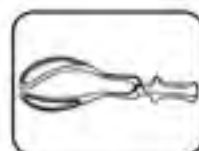
**Sanger**



**S-33-344-01** **S-33-345-01** **S-33-344-02** **S-33-345-02**  
28 cm / 11" 28 cm / 11" 28 cm / 11" 28 cm / 11"  
Fig. 1 Fig. 2 Fig. 1 Fig. 2

**Winter**

## Placenta Scoops, Umbilical Cord Clamps



$\frac{1}{3}$

**Cuzzi**



blunt  
backside serrated



$\frac{1}{3}$

**S-33-382-01**  
30 cm / 11  $\frac{3}{4}$ "  
14.5 mm



**S-33-382-02**  
30 cm / 11  $\frac{3}{4}$ "  
18 mm



**S-33-382-03**  
30 cm / 11  $\frac{3}{4}$ "  
20 mm



$\frac{1}{3}$

**Pestalozza**



**S-33-386-30**  
30 cm / 11  $\frac{3}{4}$ "



$\frac{1}{3}$

**S-33-461-08**  
8.5 cm / 3  $\frac{1}{4}$ "

**Kane**

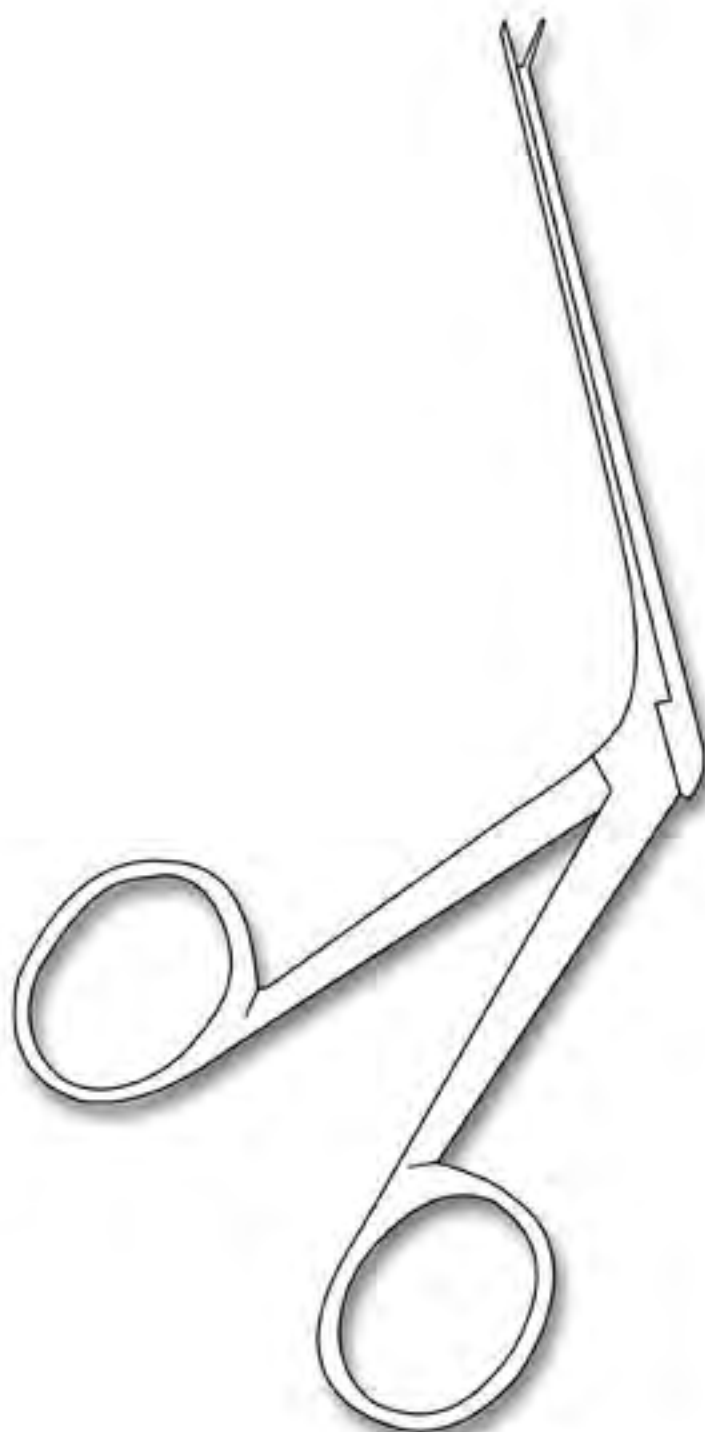


$\frac{1}{2}$

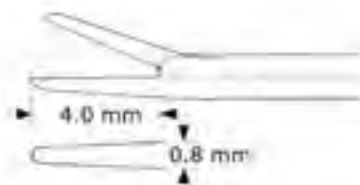
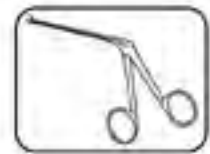
**Collin**

**S-33-465-09**  
8.5 cm / 3  $\frac{1}{4}$ "

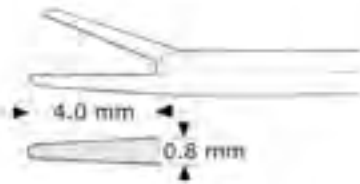
## Otology



## Micro Ear Forceps



**S-36-001-01**  
4.0 X 0.8 mm  
Smooth, straight



**S-36-001-06**  
4.0 X 0.8 mm  
serrated, straight



**S-36-001-07**  
4.0 X 0.8 mm  
bent upwards, serrated



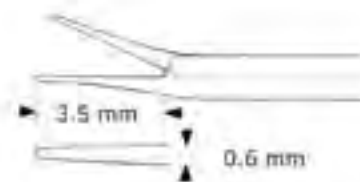
**S-36-001-08**  
4.0 X 0.8 mm  
right, serrated



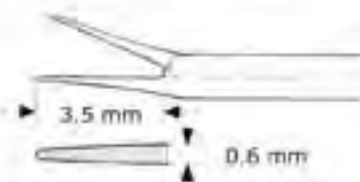
**S-36-001-09**  
4.0 X 0.8 mm  
left, serrated



Mini-McGee



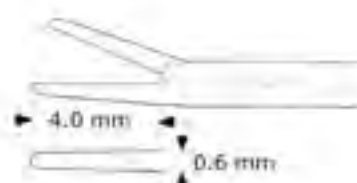
**S-36-001-11**  
4.0 X 0.6 mm  
smooth, serrated



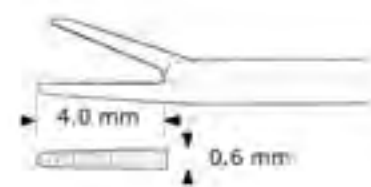
**S-36-001-16**  
3.5 X 0.6 mm  
serrated, serrated



## Micro Ear Forceps



**S-36-001-21**  
Smooth, straight



**S-36-001-26**  
4,0 X 0,6 mm  
serrated, straight



**S-36-001-27**  
bent upwards, serrated



**S-36-001-28**  
right, serrated



**S-36-001-29**  
left, serrated





## Ear Specula



① 3.0 mm ø      ② 4.0 mm ø

S-36-112-10      S-36-112-11  
3.6 cm / 1 1/2"      3.6 cm / 1 1/2"  
Fig. 0      Fig. 1



**Hartmann**

Ear Specula , Set

for children

S-36-112-03      Fig. 0-2

① 4.0 mm ø      ② 5.0 mm ø

S-36-112-11      S-36-112-12  
3.6 cm / 1 1/2"      3.6 cm / 1 1/2"  
Fig. 1      Fig. 2



**Hartmann**

Ear Specula , Set

For Adults

S-36-114-03      Fig. 2-4  
S-36-115-04      Fig. 1-4

① 4.0 mm ø      ② 5.0 mm ø  
S-36-118-11      S-36-118-12  
3.6 cm / 1 1/2"      3.6 cm / 1 1/2"  
Fig. 1      Fig. 2



**Toynbee**

Ear Specula , Set

For adults

S-36-118-03      Fig. 2-4  
S-36-119-04      Fig. 1-4

① 5.5 X 6.5 mm      ② 6.5 X 7.5 mm  
S-36-132-01      S-36-132-02  
3.8 cm / 1 1/2"      3.8 cm / 1 1/2"  
Fig. 1      Fig. 2

③ 7.5 X 8.5 mm      ④ 8.5 X 9.5 mm  
S-36-132-03      S-36-132-04  
3.8 cm / 1 1/2"      3.8 cm / 1 1/2"  
Fig. 3      Fig. 4



**Zollner**

oval , black

Ear Specula , Set

consisting of 6 pieces

S-36-132-00      Fig. 1-6





## Uterine Biopsy Forceps



**Martin**  
**S-36-180-10**  
c 128



**Martin**  
**S-36-180-11**  
c 256



**Martin-Alloy**  
**S-36-184-12**  
c 512



**Martin-Alloy**  
**S-36-186-13**  
c 1024



**Martin-Alloy**  
**S-36-188-14**  
c 2048



**Hartmann**  
**S-36-189-10**  
c 128



**Hartmann**  
**S-36-192-11**  
c 256



**Hartmann**  
**S-36-194-12**  
c 512



**Hartmann**  
**S-36-196-13**  
c 1024



**Hartmann**  
**S-36-198-14**  
c 2048



**Hartmann**  
**S-36-200-15**  
c 4096

## Tuning Forks



Lucae  
S-36-210-10  
C 128



Lucae  
S-36-212-11  
C 256



Lucae  
S-36-214-12  
C 512



Lucae  
S-36-216-13  
C 1024



Lucae  
S-36-218-14  
C 2048



Lucae  
S-36-220-15  
C 4096



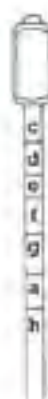
Lucae



S-36-221-10  
C 128  
movable up to h



Hartmann



S-36-222-10  
C 128  
movable up to h



Hartmann  
S-36-222-10  
C 256



## Ear Forceps



**Troe1tsch (Wilde)**  
S-36-371-11  
10.5 cm / 4"



**Troe1tsch (Wilde)**  
S-36-375-12  
11 cm / 4<sup>3</sup>/<sub>8</sub>"



**Troe1tsch (Wilde)**  
S-36-381-13  
12.5 cm / 5"



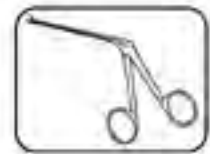
**Grunwald**  
S-36-391-14  
14.5 cm / 5<sup>3</sup>/<sub>4</sub>"



**Jansen**  
S-36-395-16  
21.5 cm / 8 1/4"

S-36-395-20  
21.5 cm / 8 1/2"

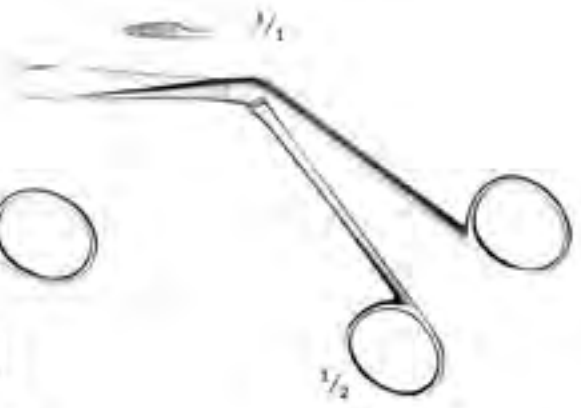
## Ear Polypus Forceps



**Littauer**  
**S-36-401-12**  
10.0 cm / 4"



**Hartmann**  
**S-36-405-12**  
10.0 cm / 4  $\frac{3}{4}$ "  
fine model



**Hartmann**  
**S-36-407-14**  
14 cm / 5  $\frac{1}{2}$ "  
regular model



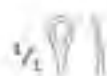
**Buck**  
**S-36-416-11**  
11.5 cm / 4  $\frac{1}{2}$ "  
Foreign Body Forceps



**Quire**  
**S-36-418-10**  
10.5 cm / 4"  
Foreign Body Lever



## Foreign Body Instruments



**S-36-551-01**  
16.5 cm / 6 1/2"



**S-36-554-01** **S-36-554-02** **S-36-554-03**  
16 cm / 6 3/4" 16 cm / 6 3/4" 16 cm / 6 3/4"



**Weber-Loch**  
Ear Loop



**BiBeau**  
Ear Loop



**S-36-561-16**  
15.5 cm / 6"



**S-36-563-16**  
15 cm / 6"



**S-36-570-16**  
16 cm / 6 3/4"  
sharp



**Moldenhauer**  
Foreign Body Lever

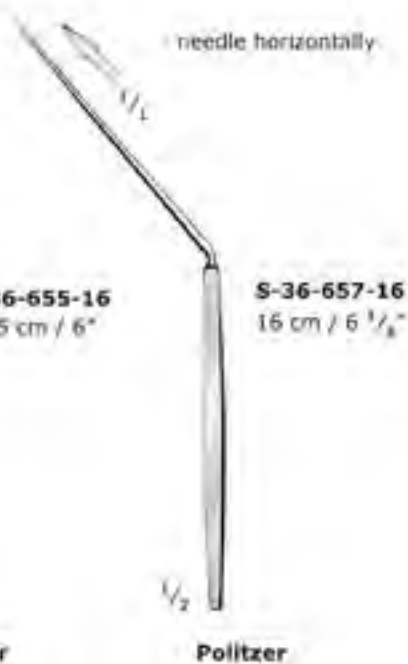
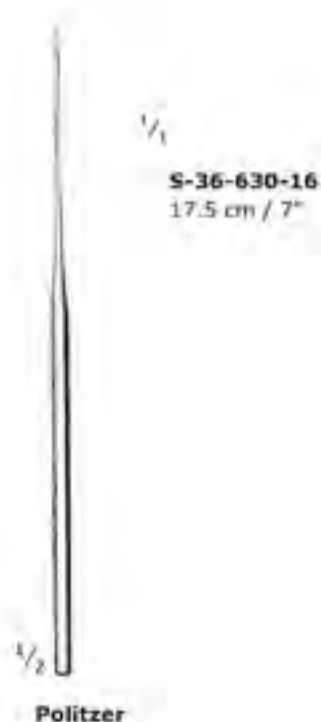


**Zaufal**  
Foreign Body Lever



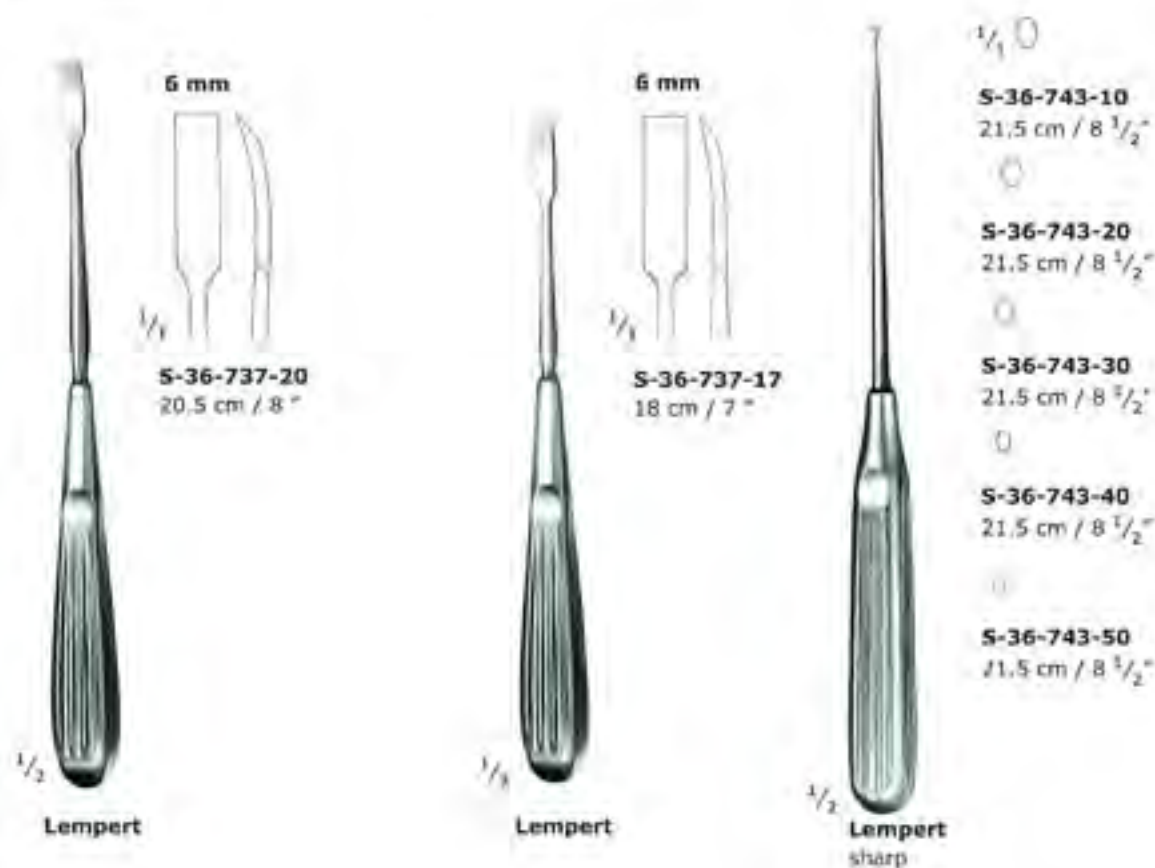
**Hartmann**  
Ear Hooklet

## Tympanum Needles

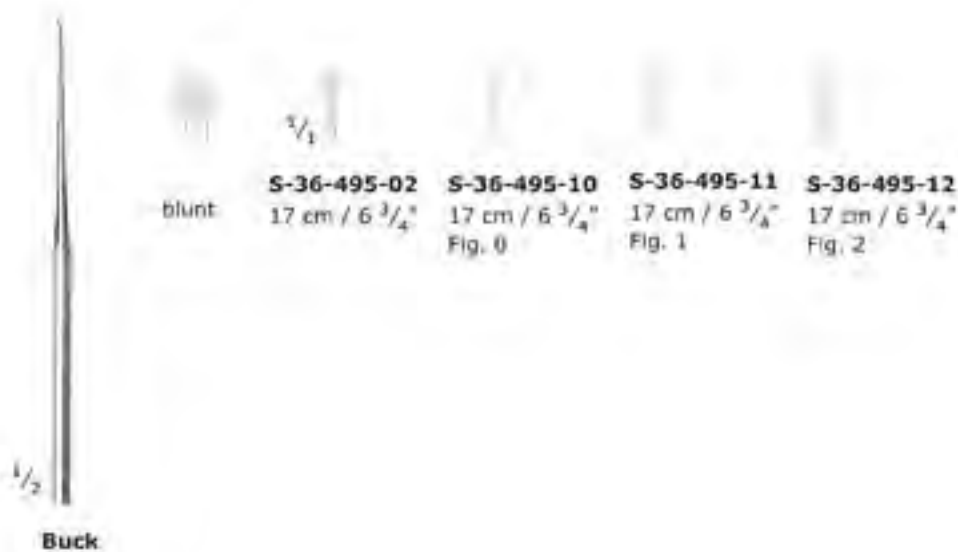
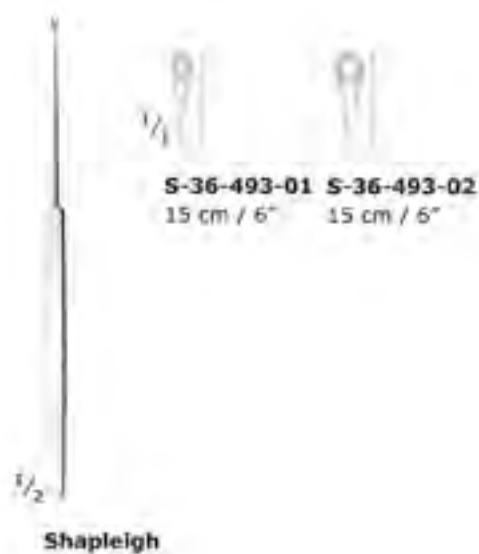
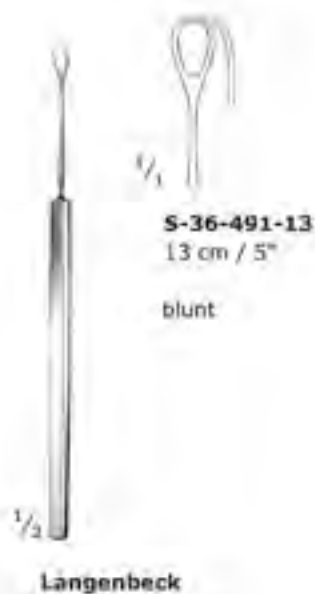




## Ear Periosteal Elevators, Ear Scoops, Ear Syringes

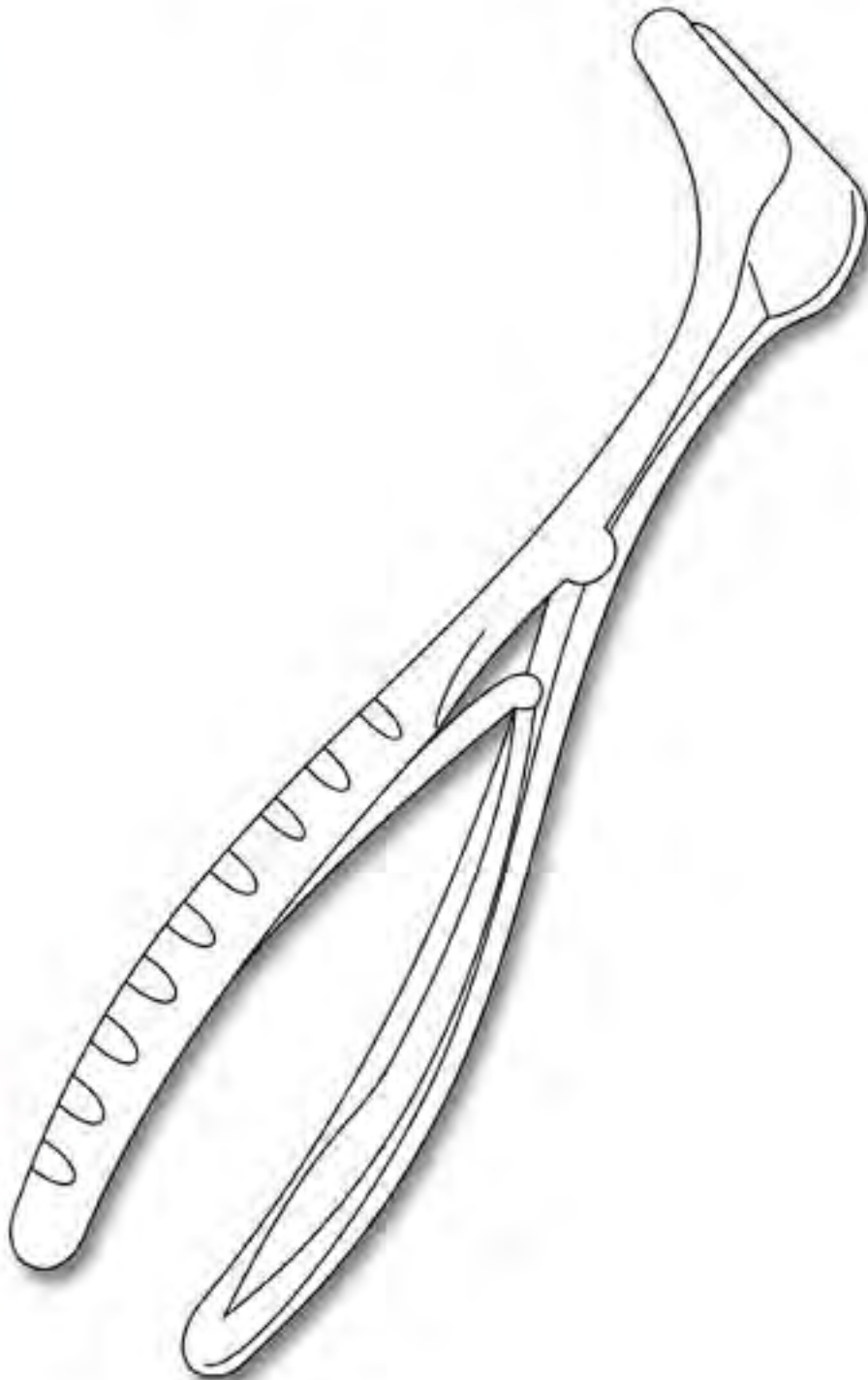


## Ear Curettes

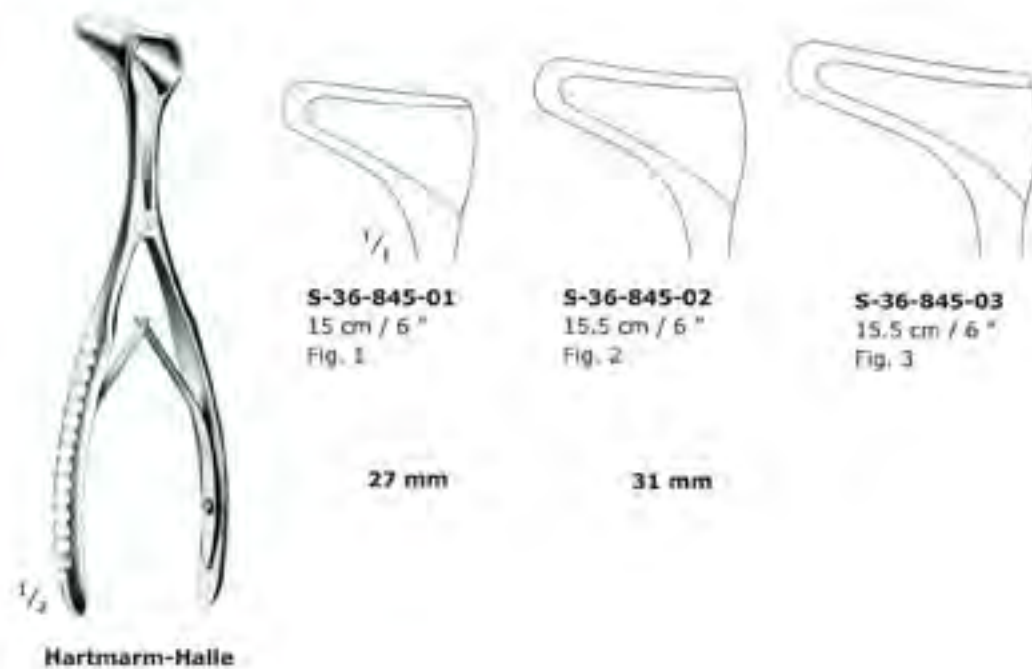
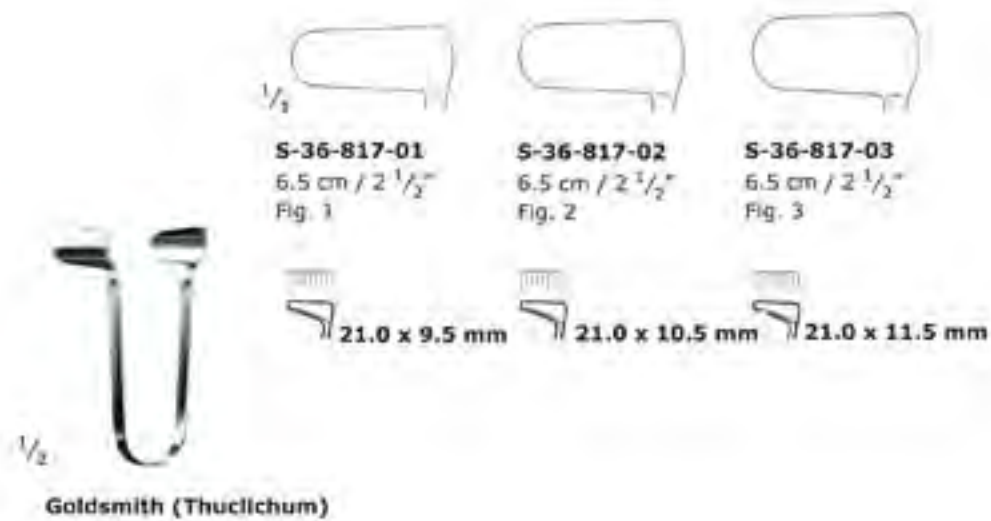
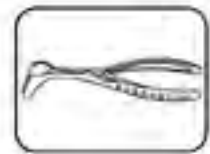


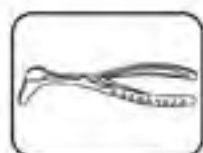


## Rhinology



## Nasal Specula





## Nasal Specula



Martin



**S-36-848-13**  
13 cm / 5"



Martin



**S-36-849-13**  
12.5 cm / 5"



17 mm



Tieck-Halle



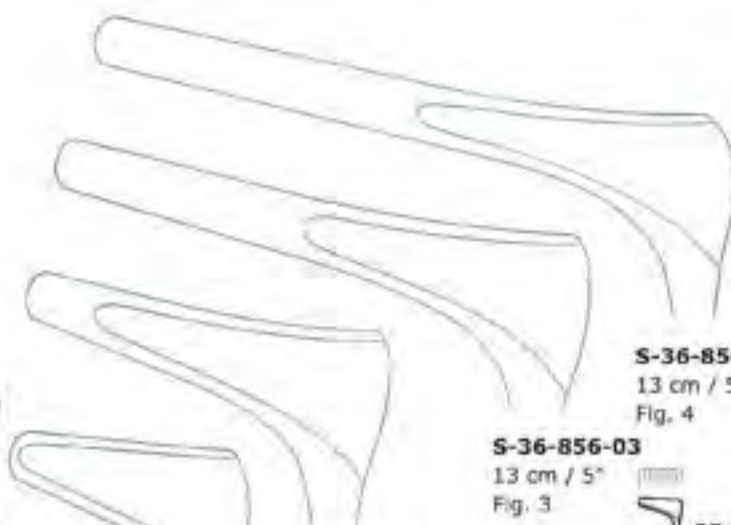
**S-36-852-13**  
13 cm / 5"



16 mm



Killian



$\frac{1}{1}$

**S-36-856-01**  
13 cm / 5"  
Fig. 1



35 mm

**S-36-856-02**  
13 cm / 5"  
Fig. 2



50 mm



75 mm

**S-36-856-03**  
13 cm / 5"  
Fig. 3



85 mm

**S-36-856-04**  
13 cm / 5"  
Fig. 4



Modell Wien

$\frac{1}{1}$

**S-36-858-14**  
13.5 cm / 5 $\frac{3}{4}$ "



30 mm

# Nasal Tampon Forceps



**Troitsch**  
**S-37-101-15**  
14.5 cm / 5 3/4"



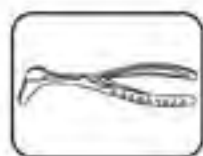
**Troitsch**  
**S-37-105-18**  
18 cm / 7"



**Grünwald (Jansen)**  
**S-37-115-20**  
21.5 cm / 8 1/2"



**Lubet-Barbon**  
**S-37-129-20**  
18.5 cm / 7 1/4"  
Nasal Tampon Forceps



## Nasal Polypus Forceps, Septum Forceps



**Hartmann**  
**S-37-141-16**  
15 cm / 6"



**Hartmann**  
**S-37-145-20**  
18.5 cm / 7 1/4"



**Killian**  
**S-37-161-17**  
16 cm / 6 1/4"



**Knight**  
**S-37-207-18**  
17 cm / 6 3/4"



**Graig**  
**S-37-213-18**  
16 cm / 6 1/4"

# Septum Forceps, Ethmoid Bone Forceps



**S-37-215-01**  
16 cm / 6 1/2"  
left curved



**S-37-215-02**  
16 cm / 6 1/4"  
right curved



**S-37-223-01**  
18.5 cm / 7 1/4"  
Fig. 1

Luc



**S-37-227-01**  
16.5 cm / 6 1/2"  
Fig. 1



**S-37-227-02**  
16.5 cm / 6 1/2"  
Fig. 2



**S-37-227-03**  
16.5 cm / 6 1/2"  
Fig. 3



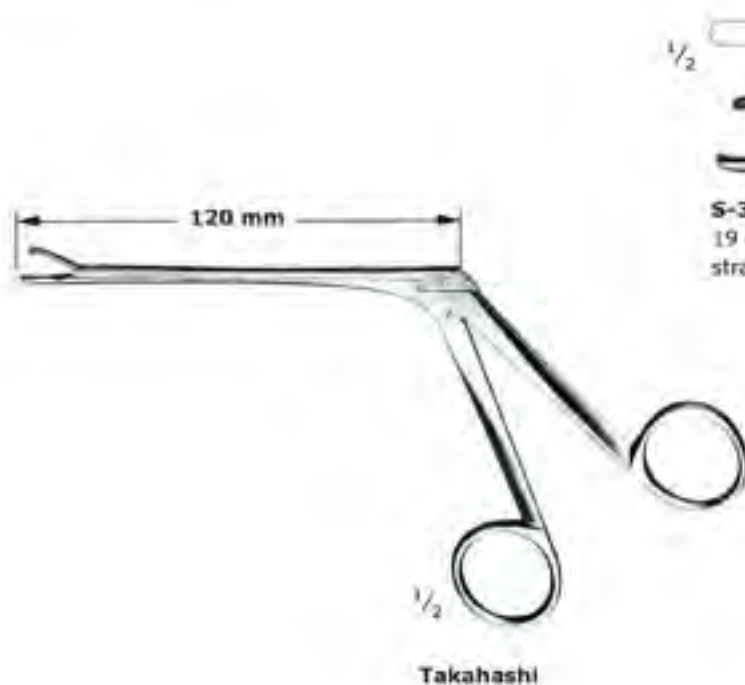
**S-37-227-04**  
16.5 cm / 6 1/2"  
Fig. 4

Brunings





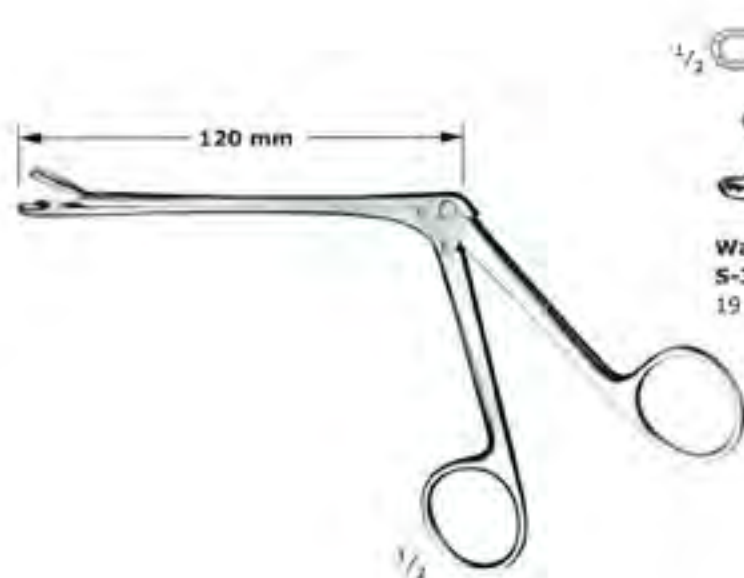
## Ethmoid Bone Forceps



**S-37-235-12**  
19 cm / 7 1/2"  
straight



**S-37-237-12**  
19 cm / 7 1/2"  
bent upwards



**Watson-Williams**  
**S-37-241-10**  
19 cm / 7 1/2"



**S-37-241-12**  
19 cm / 7 1/2"



**Well**  
**S-37-241-12**  
19 cm / 7 1/2"  
with neck

## Septum Forceps



**Caplan**  
**S-37-331-20**  
 20 cm / 8"  
 one toothed cutting edge



**Rubin**  
**S-37-335-21**  
 21 cm / 8 <sup>1</sup>/<sub>4</sub>"



**Rubin**  
**S-37-335-01**  
 Protection Cap

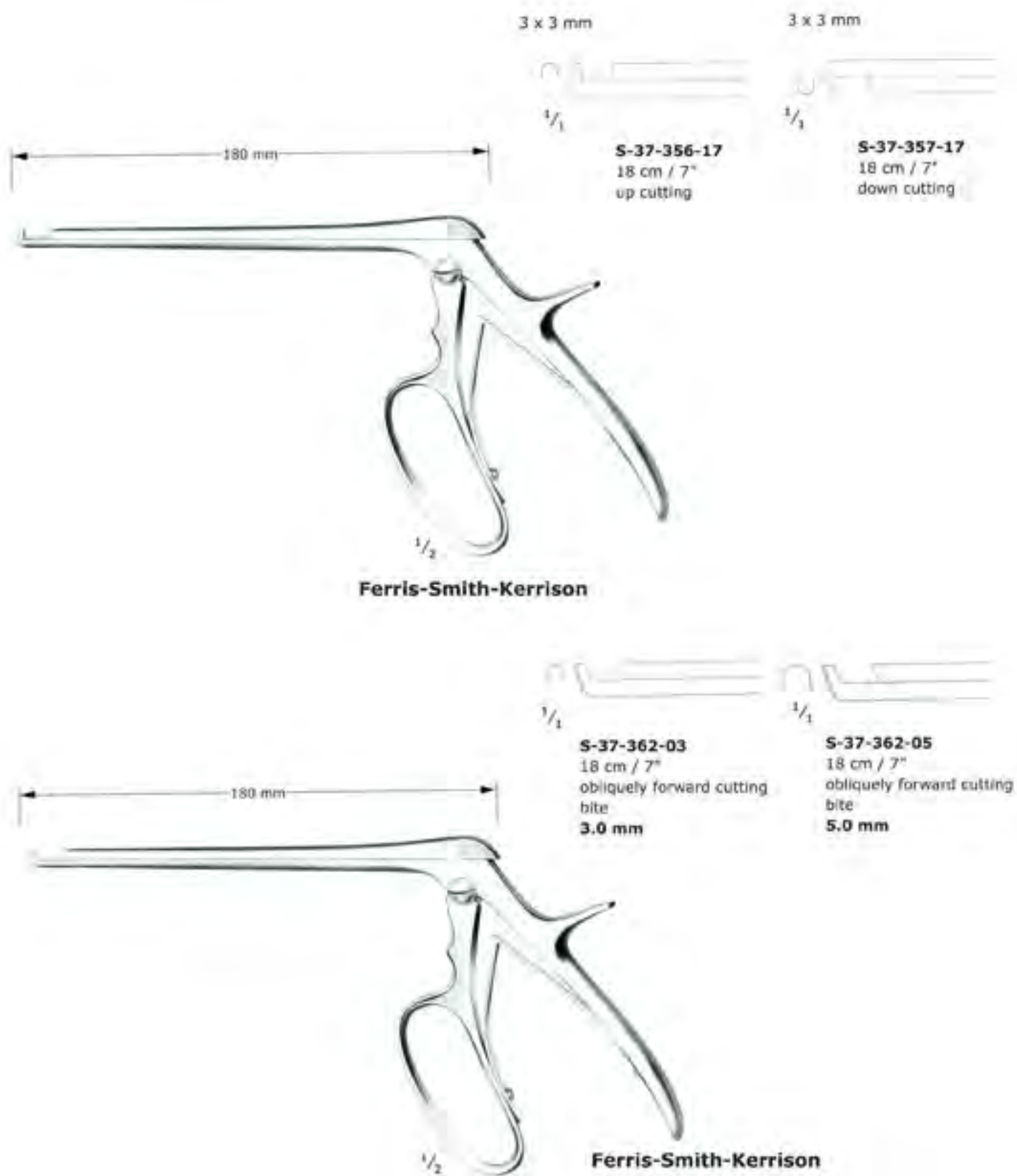


**S-37-335-21**

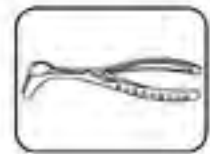




## Sphenoid Bone Punches



## Antrum Punches



3 x 3 mm



**S-37-389-00**  
up cutting

4 x 4 mm



**S-37-389-01**  
up cutting

5 x 5 mm



**S-37-389-02**  
up cutting

6 x 6 mm



**S-37-389-03**  
up cutting



**Kerrison**



## Rhinoplastic Knives



**Joseph**



**S-37-440-01**  
15 cm / 6"  
Fig. 1



**S-37-441-01**  
15 cm / 6"  
Fig. 2



**Fomon**



**S-37-444-16**  
16.5 cm / 6 1/2"



**Converse**



**S-37-459-16**  
16 cm / 6 1/4"



**Joseph**



**S-37-466-15**  
15 cm / 6"

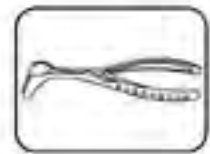


**Cottle**



**S-37-468-15**  
14 cm / 5 1/2"

# Septum Knives, Swivel Knives



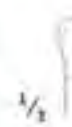
**S-37-484-15**  
16.5 cm / 6 1/2"

**Freer**  
Mucosa Knife



**S-37-497-19**  
19 cm / 7 1/2"

**Freer**



**S-37-499-19**  
19 cm / 7 1/2"

**Freer**



**S-37-504-03**  
21 cm / 8 1/4"  
3.0 mm



**S-37-504-04**  
21 cm / 8 1/4"  
4.0 mm



**S-37-504-05**  
21 cm / 8 1/4"  
5.0 mm

**Ballenger**



**S-37-505-03**  
20 cm / 8"  
3.0 mm



**S-37-505-04**  
20 cm / 8"  
4.0 mm

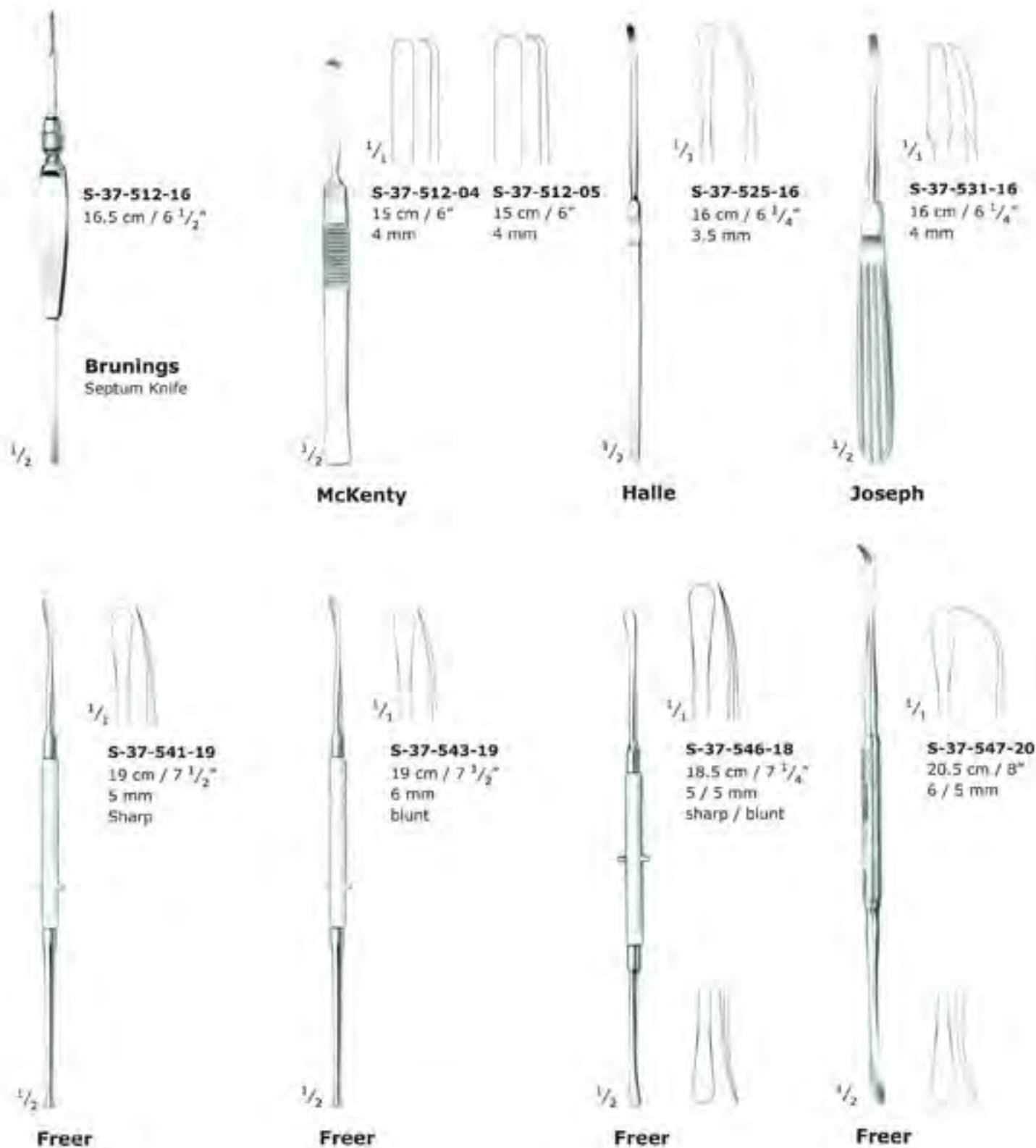


**S-37-505-05**  
20 cm / 8"  
5.0 mm

**Ballenger**



## Septum Elevators

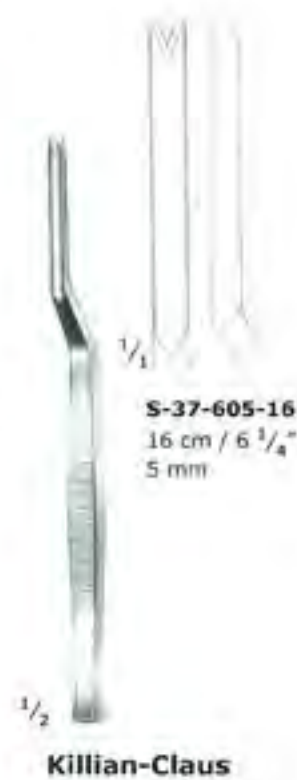
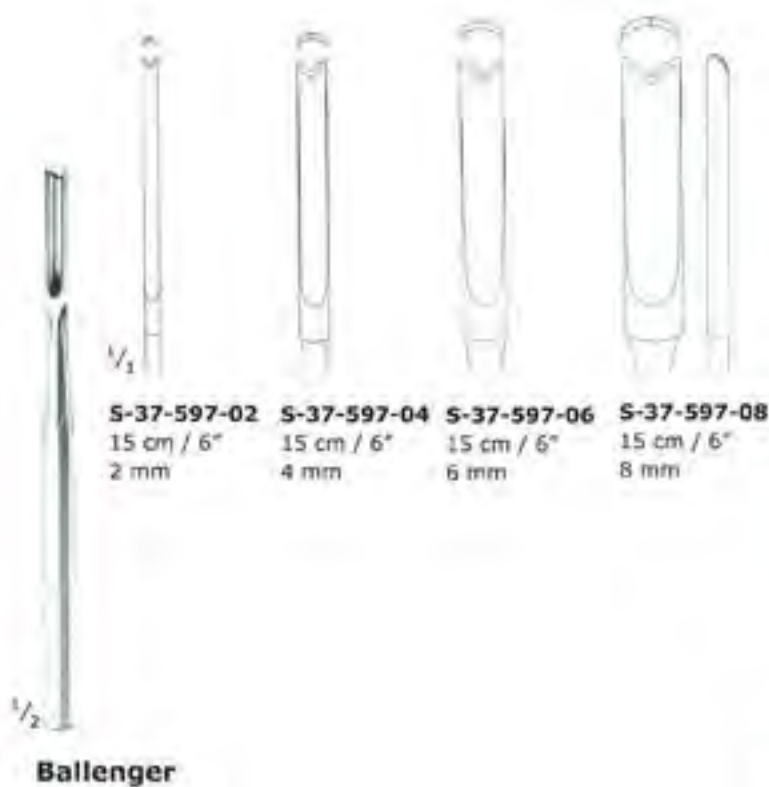




## Oral Maxillo-Facial Surgery



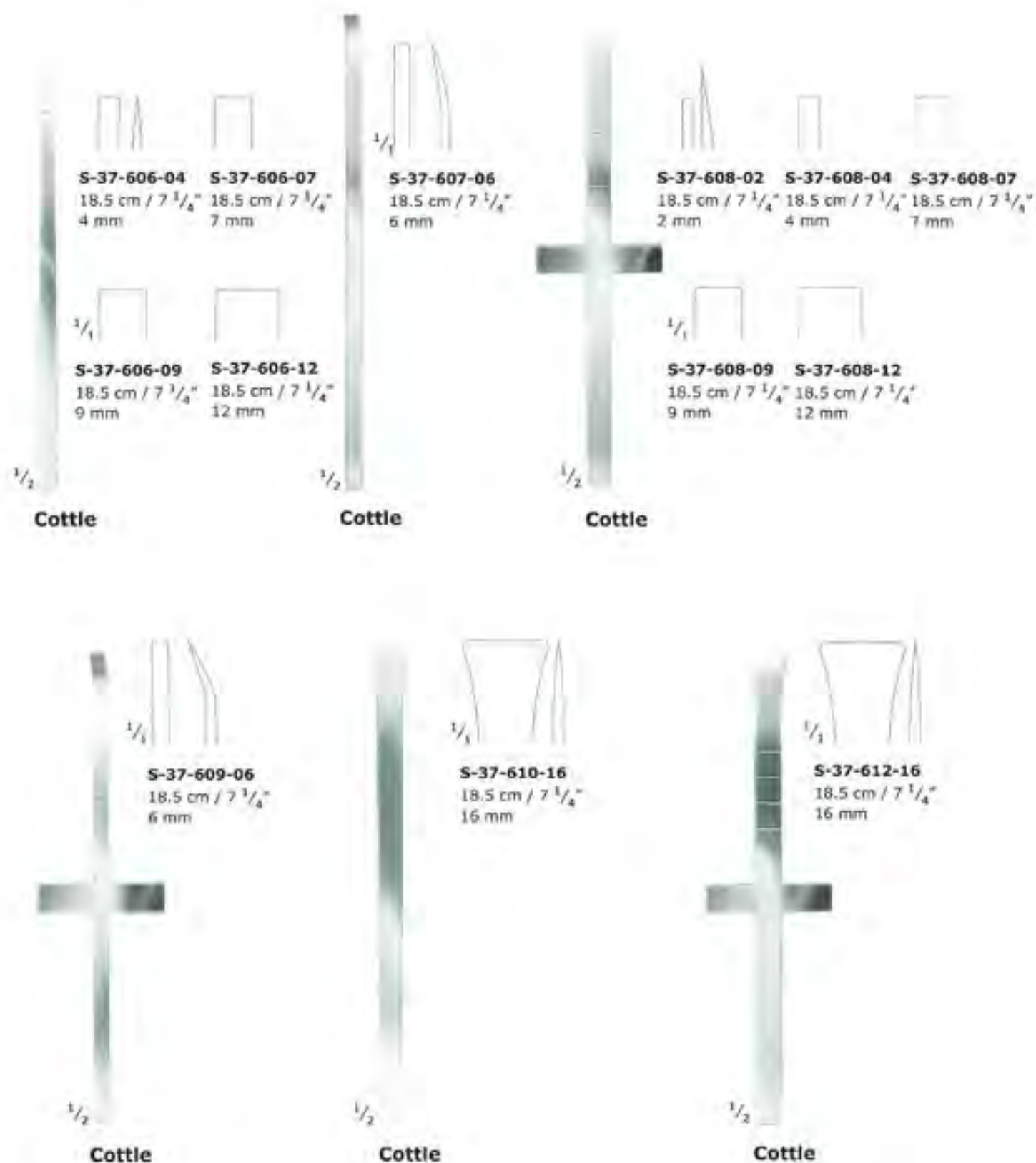
## Septum Chisels, Septum Gouges



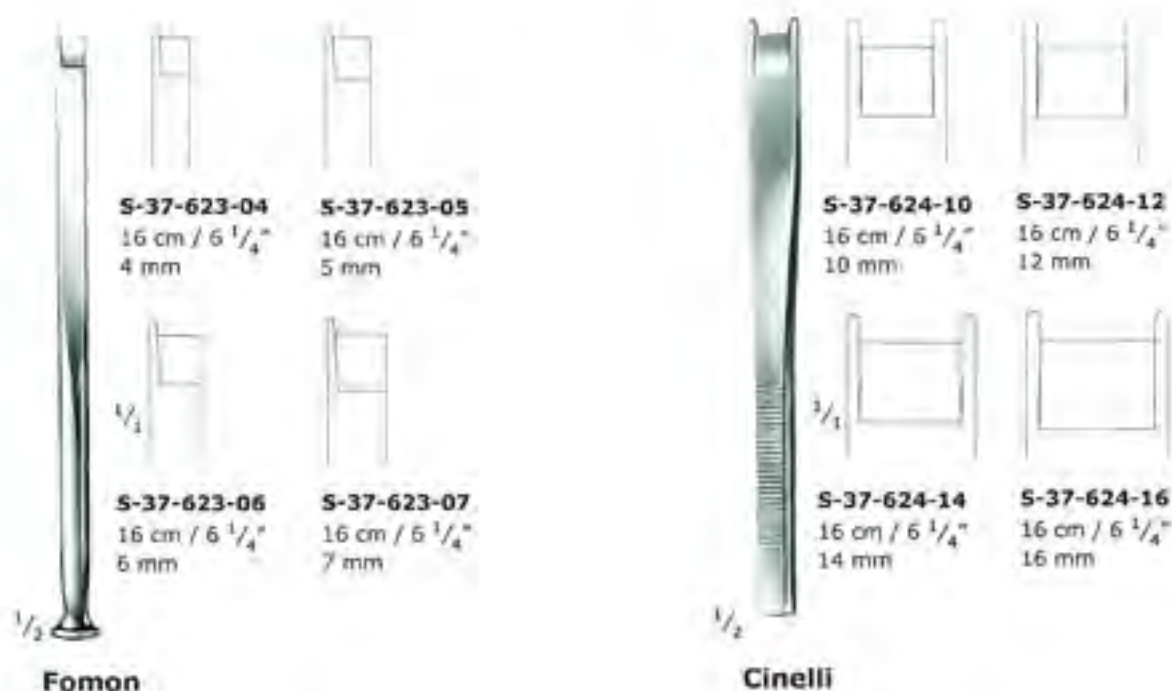
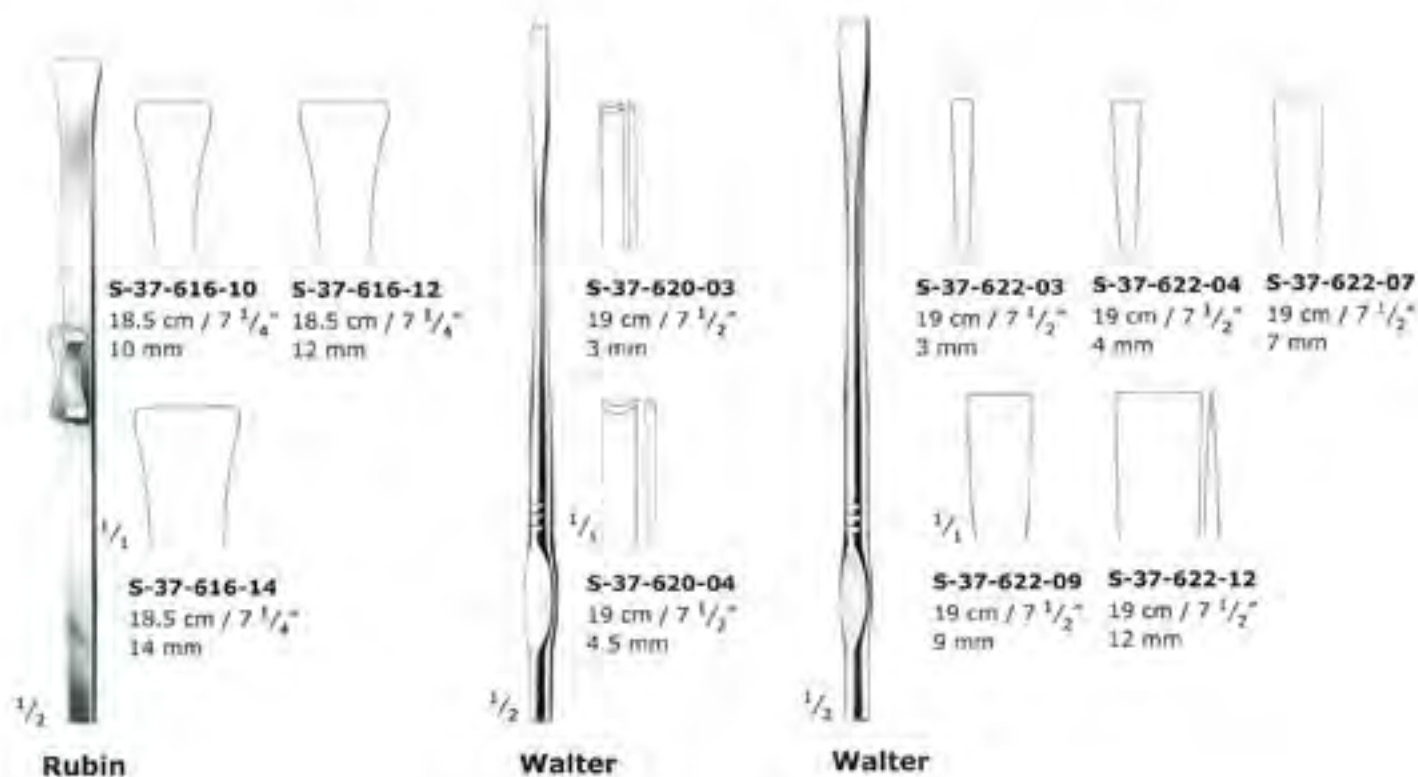




## Osteotomes



# Osteomes, Gouges, Chisels





## Cartilage Crusher



**Cottle**  
**S-37-650-01**  
12 cm / 4 3/4"  
Handle



**Cottle**  
**S-37-650-02**  
Guide Support for Osteotome  
7 mm wide



**Cottle**  
**S-37-652-00**  
Cartilage Crusher  
65 x 30 x 30 mm



**S-37-650-02**

## Nasal Rasps, Bone Files, Antrum Rasps



**S-37-654-18**  
17.5 cm / 7"  
10 x 9 mm

**Maltz**



**S-37-656-01**  
17 cm / 6 3/4"  
driving cut  
34 x 7 mm

**Maltz**



**S-37-656-02**  
17 cm / 6 3/4"  
pushing cut  
34 x 7 mm



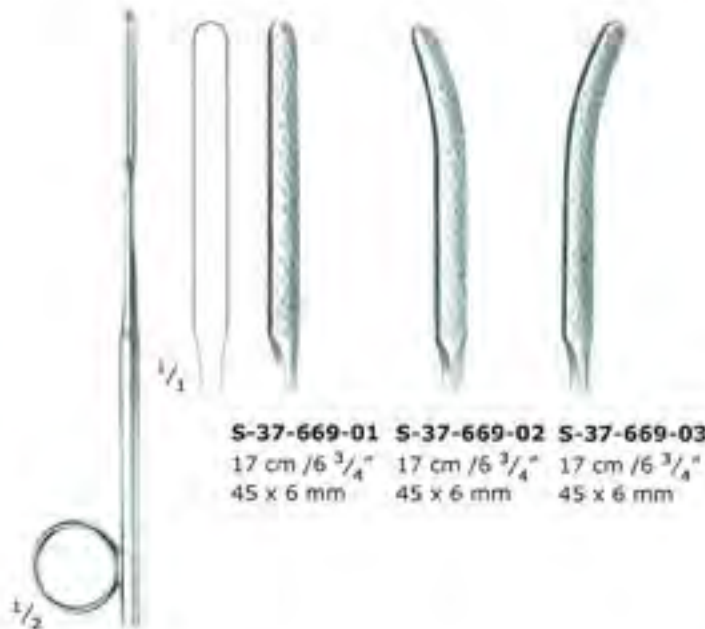
**S-37-658-01**  
16 cm / 6 1/4"  
60 x 8 mm

**Joseph**



**S-37-658-02**  
16 cm / 6 1/4"  
45 x 9 mm

**Joseph**



**S-37-669-01** **S-37-669-02** **S-37-669-03**  
17 cm / 6 3/4" 17 cm / 6 3/4" 17 cm / 6 3/4"  
45 x 6 mm 45 x 6 mm 45 x 6 mm

**Gallaher**



**S-37-670-21**  
20.5 cm / 8"  
30 x 8 mm

**Cottle**



## Glabella Raps, Nasal Rasps



**Aufricht**

$\frac{1}{1}$

**S-37-671-21**  
21 cm / 8  $\frac{1}{4}$ "  
Pushing cut  
32 x 9 mm



**S-37-673-21**  
21 cm / 8  $\frac{1}{4}$ "  
drawing cut  
32 x 9 mm



**Lewis**

$\frac{1}{2}$



**S-37-674-18**  
19 cm / 7  $\frac{1}{2}$ "  
drawing cut  
15 x 8 mm



**S-37-676-18**  
19 cm / 7  $\frac{1}{2}$ "  
drawing cut  
15 x 8 mm



**Fomon**

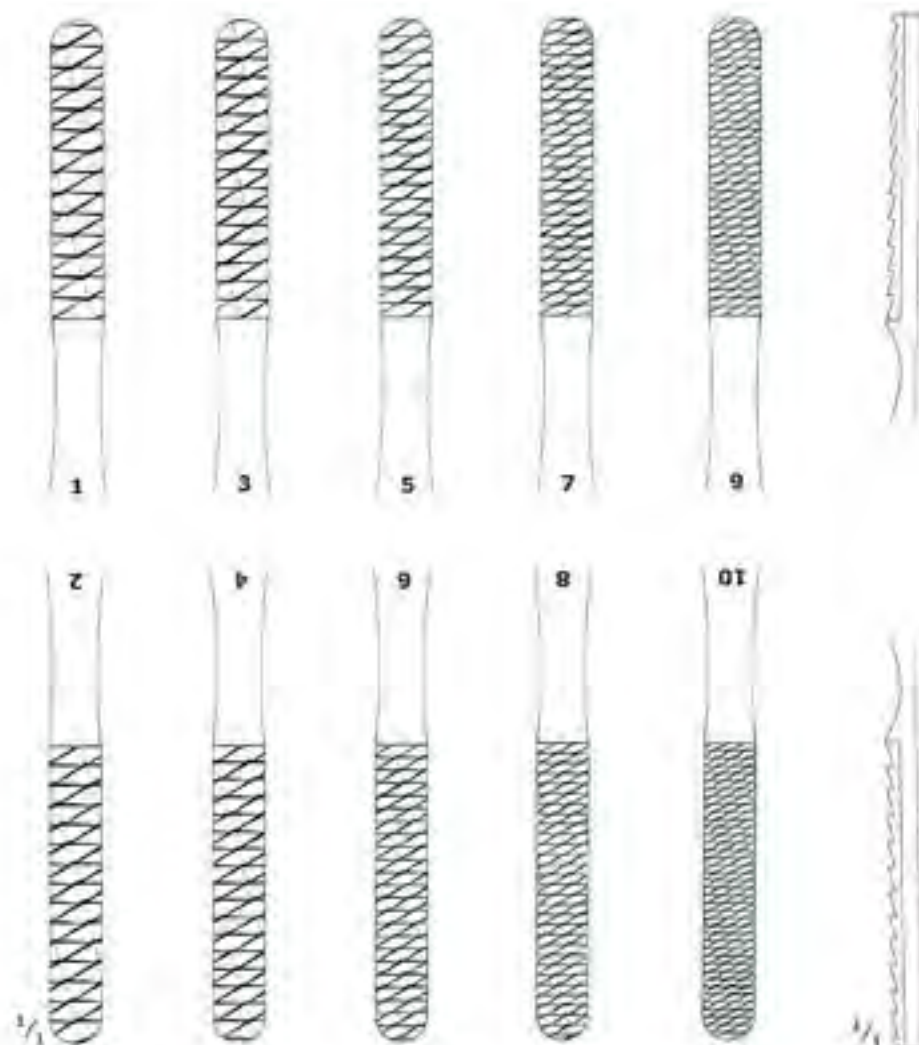
$\frac{1}{2}$



$\frac{1}{1}$

**S-37-680-21**  
20.5 cm / 8"  
30 x 8 mm

# Nasal Rasps



<b>S-37-682-01</b>	<b>S-37-682-02</b>	<b>S-37-682-03</b>	<b>S-37-682-04</b>	<b>S-37-682-05</b>
20,5 cm / 8"	20,5 cm / 8"	20,5 cm / 8"	20,5 cm / 8"	20,5 cm / 8"
Fig. 1 / 2	Fig. 3 / 4	Fig. 5 / 6	Fig. 7 / 8	Fig. 9 / 10
30 x 8 mm	40 x 7 mm	40 x 7 mm	40 x 7 mm	40 x 7 mm

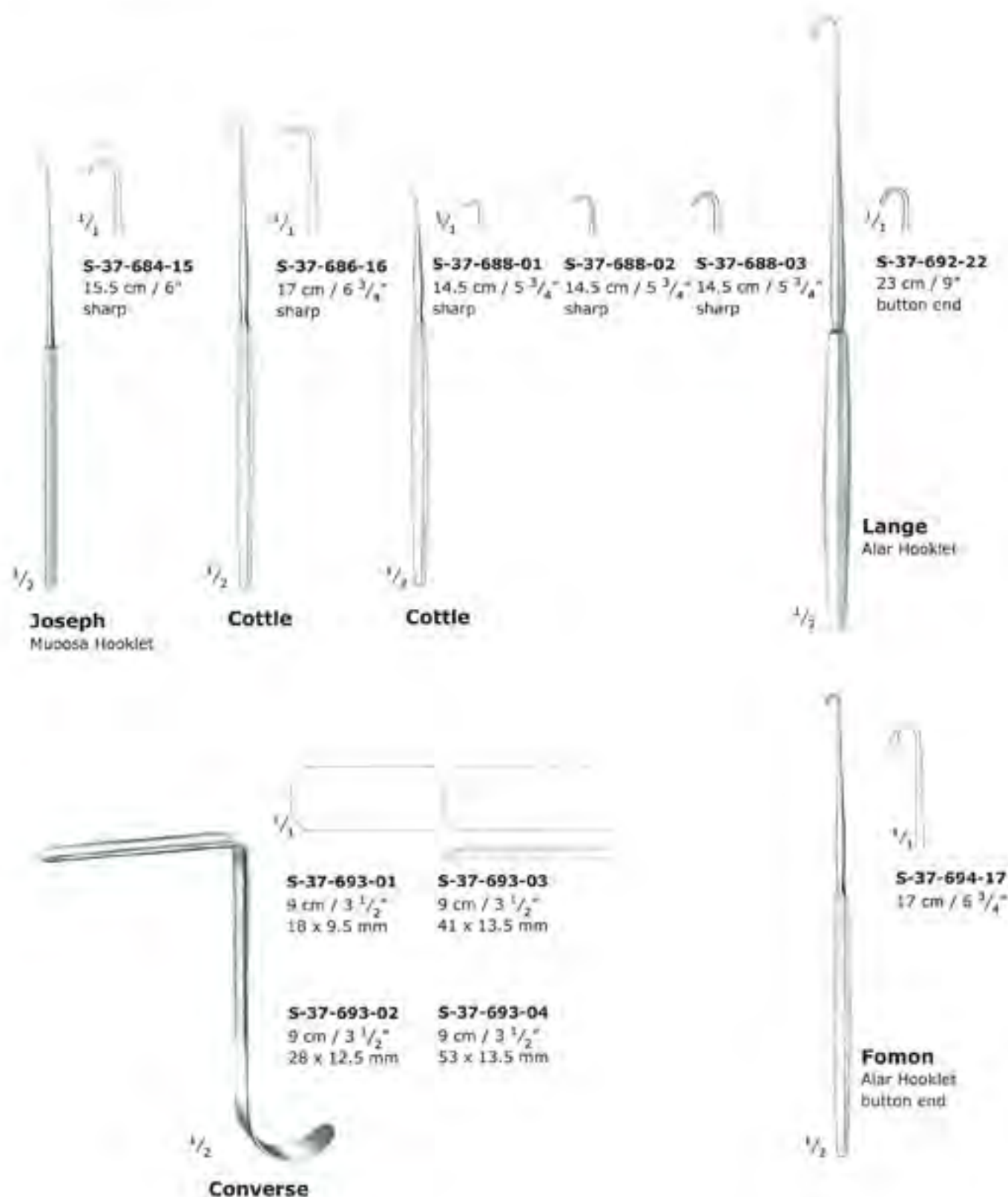


**Fomon**

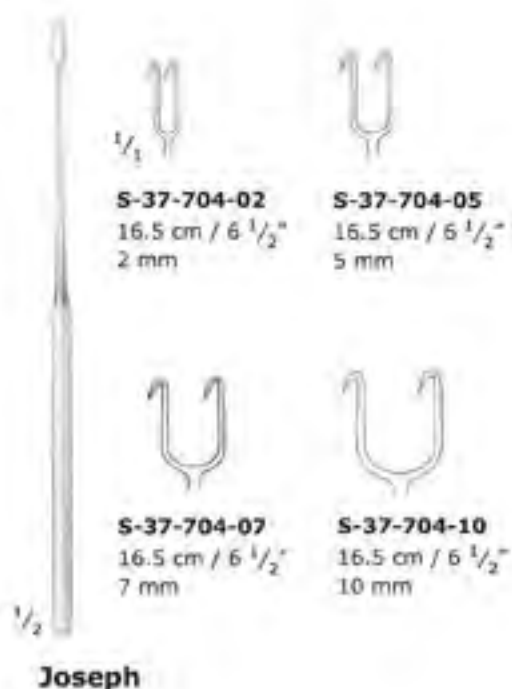
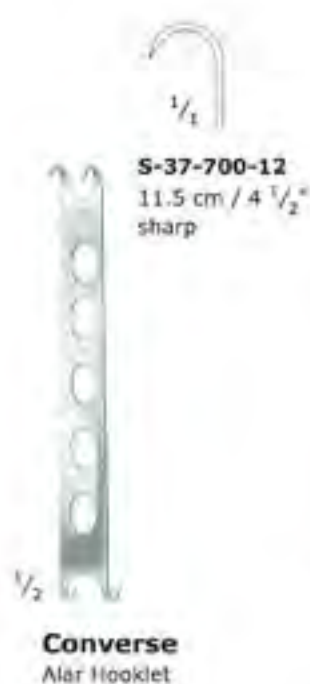
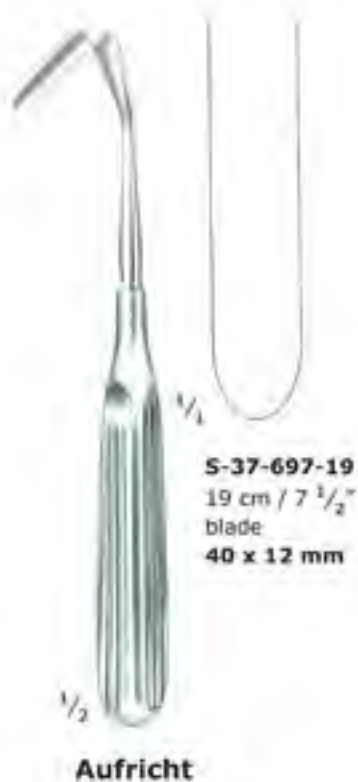




## Nasal Hook, Nasal Retractors



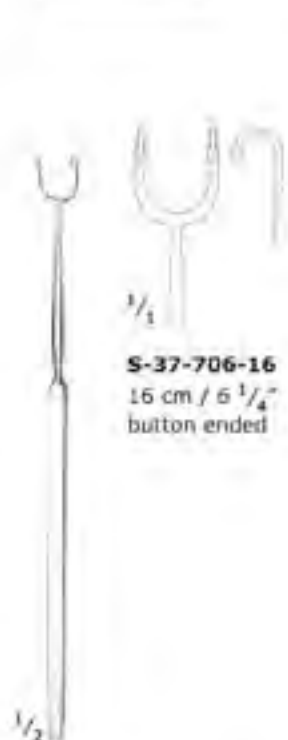
## Nasal Retractors, Mucosa Hooklets







## Alar Hooklets, Nasal Retractors



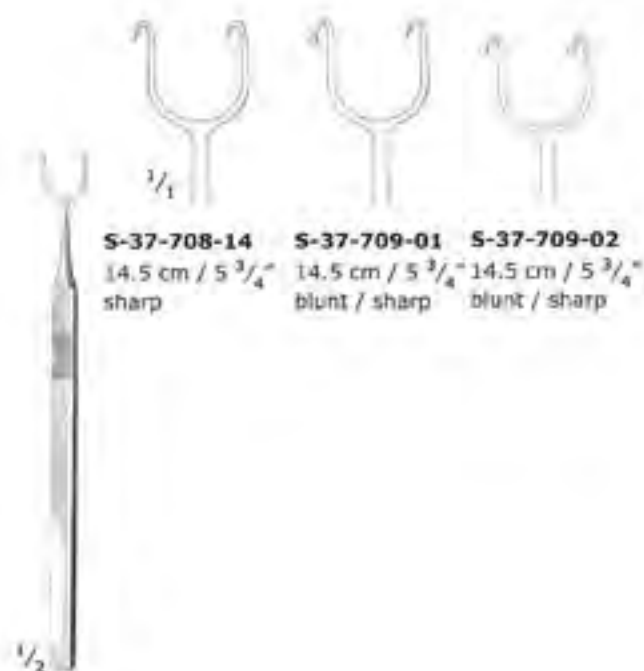
**S-37-706-16**  
16 cm / 6 1/4"  
button ended

**Fomon**



**S-37-707-20**  
19.5 cm / 7 3/4"

**Cottle-Neivert**



**S-37-708-14**  
14.5 cm / 5 3/4"  
sharp

**S-37-709-01**  
14.5 cm / 5 3/4"  
blunt / sharp

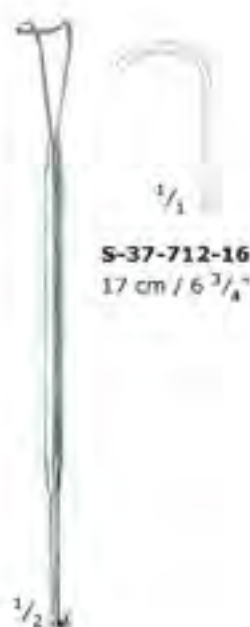
**S-37-709-02**  
14.5 cm / 5 3/4"  
blunt / sharp

**Cottle**



**S-37-710-14**  
14 cm / 5 1/2"

**Cottle**



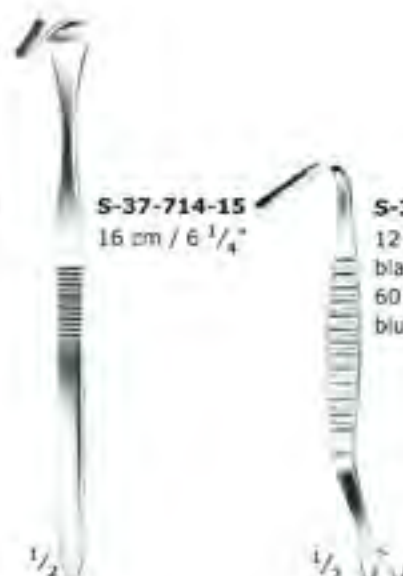
**S-37-712-16**  
17 cm / 6 3/4"

**Neivert**



**S-37-713-15**  
14 cm / 5 1/2"

**Cottle**  
saddle Hook



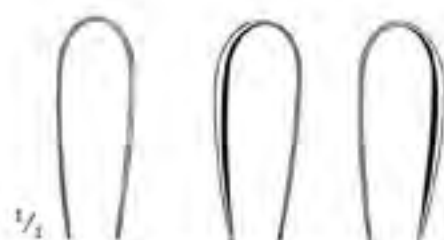
**S-37-714-15**  
16 cm / 6 1/4"

**Cottle**

**S-37-715-14**  
12 cm / 4 3/4"  
blade  
60 x 6.5 mm  
blunt

**Aufrecht**

# Septum Forceps, Septum Straightening Forceps



**S-37-724-01** 23 cm / 9" straight  
**S-37-724-02** 23 cm / 9" left  
**S-37-724-03** 23 cm / 9" right



**S-37-725-23**  
 22.5 cm / 8 3/4"



**S-37-721-20**  
 21 cm / 8 1/4"

1/2

**Kressner**



1/2

**Cottle-Walsham**



1/2

**Asch**



## Adenoid Curettes



**Beckmann**  
**S-37-755-01**  
**S-37-755-06**



**Beckmann**  
**S-37-756-01**  
**S-37-756-06**  
angled shaft



**Fig. 1**  
13 mm  
**S-37-755-01**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"

13 mm  
**S-37-756-01**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"



**Fig. 2**  
15 mm  
**S-37-755-02**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"

15 mm  
**S-37-756-02**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"



**Fig. 3**  
17 mm  
**S-37-755-03**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"

17 mm  
**S-37-756-03**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"



**Fig. 4**  
19 mm  
**S-37-755-04**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"

19 mm  
**S-37-756-04**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"



**Fig. 5**  
21 mm  
**S-37-755-05**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"

21 mm  
**S-37-756-05**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"



**Fig. 6**  
23 mm  
**S-37-755-06**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"

23 mm  
**S-37-756-06**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"

## Adenoid Curettes



Fig. 1  
16 mm  
**S-37-759-01**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"



Fig. 2  
17 mm  
**S-37-759-02**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"



Fig. 3  
18 mm  
**S-37-759-03**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"



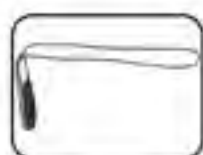
Fig. 4  
20 mm  
**S-37-759-04**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"



Fig. 5  
21 mm  
**S-37-759-05**  
22.5 cm / 8 <sup>3</sup>/<sub>4</sub>"



**Beckmann**  
**S-37-759-01**  
**S-37-759-05**  
trapezoidal fenestrated



## Suction Raspatory Elevators, Graft Packers



**S-37-840-20**  
19 cm / 7 1/2"

**Guillen**



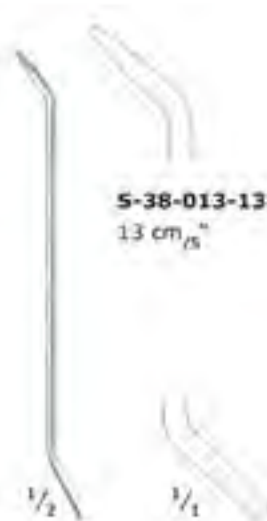
**S-38-011-16**  
5,0 / 8,0 mm

**Terry**  
17 cm / 6 3/4"  
for elevation of alveolar flaps



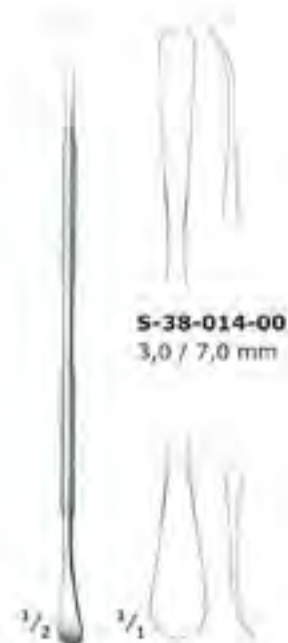
**S-38-012-16**  
11 / 4 1/4"

**Terry**  
Graft Packer



**S-38-013-13**  
13 cm / 5"

Graft Packer



**S-38-014-00**  
3,0 / 7,0 mm

**Terry**  
18 cm / 7"  
for subperiosteal tunnels

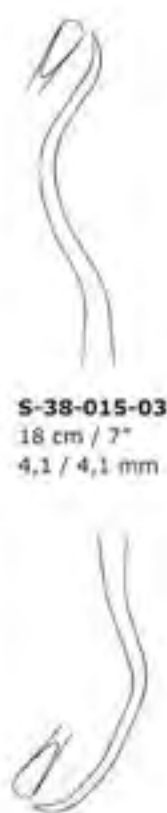
# Sinus Lift Curettes, Mouth Gags



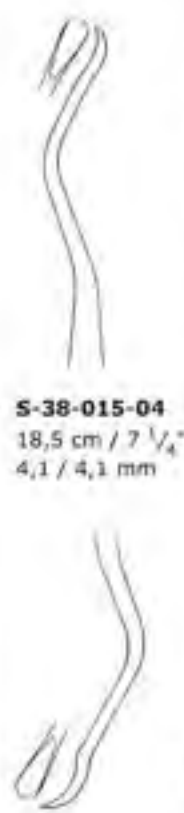
**S-38-015-01**  
18 cm / 7"  
2,6 / 2,6 mm



**S-38-015-02**  
17,5 cm / 7"  
2,6 / 2,6 mm



**S-38-015-03**  
18 cm / 7"  
4,1 / 4,1 mm



**S-38-015-04**  
18,5 cm / 7 1/4"  
4,1 / 4,1 mm



**S-38-015-06**  
19 cm / 7 1/2"  
6,7 / 6,7 mm



**Heister**  
**S-38-140-13**  
13 cm / 5"



**Obwegeser**  
**S-38-150-11**  
11 cm / 4 1/4"



**Malt**  
**S-38-161-14**  
13 cm / 4"



## Mouth Gags



$\frac{1}{2}$

Denhart

**S-38-171-12**  
13 cm / 5"  
jaws  
16 mm



$\frac{1}{2}$

Roser-Konig



$\frac{1}{2}$

**S-38-179-16**  
16 cm / 6  $\frac{1}{4}$ "



**S-38-179-20**  
20 cm / 8"



## Spatula



**Kilner-Doughty**

**S-38-198-00**

complete with frame, 3 tongue depressors,  
2 tooth plates and 1 palate plate

**S-38-198-10**

14.5 cm / 5 3/4"

Frame for Mouth Gag



**S-38-198-10**

**Kilner-Doughty**  
Tongue Depressor  
fenestrated blade for suction



**S-38-198-01**

13.5 cm / 5 1/4"  
70 x 29 mm



**S-38-198-02**

13.5 cm / 5 1/4"  
80 x 34 mm



**S-38-198-03**

13.5 cm / 5 1/4"  
85 x 38 mm



**S-38-198-00**





## Mouth Gags



**Davis-Boyle**

**S-38-212-00**

complete, consisting of frame and five tongue depressors no.1 to 5

**S-38-212-10**

Frame for Mouth Gag



**S-38-212-00**



**Davis-Boyle**  
Tongue Depressor  
with fixed suction tube

$\frac{1}{2}$

**S-38-212-01**

13.5 cm / 5  $\frac{1}{4}$ "  
110 x 26 mm



$\frac{1}{2}$

**S-38-212-02**

13.5 cm / 5  $\frac{1}{4}$ "  
95 x 25 mm



**S-38-212-03**

13.5 cm / 5  $\frac{1}{4}$ "  
80 x 24 mm



$\frac{1}{2}$

**S-38-212-04**

13.5 cm / 5  $\frac{1}{4}$ "  
65 x 23 mm



**S-38-212-05**

13.5 cm / 5  $\frac{1}{4}$ "  
30 x 20 mm  
without suction tube



**S-38-212-00**

## Mouth Gags



**Mclvor**

**S-38-222-00**  
complete

**S-38-222-10**  
15 cm / 6"  
Frame for Mouth Gag  
65 x 100 mm



**Mclvor**  
Tongue Depressor

**S-38-222-01**  
13,5 cm / 5 1/4"  
100 x 26 mm



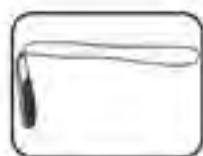
**S-38-222-02**  
13,5 cm / 5 1/4"  
85 x 25 mm



**S-38-222-03**  
13,5 cm / 5 1/4"  
75 x 23 mm



**S-38-222-00**



## Mouth Gags



### S-38-224-00

14.5 cm / 5 <sup>3</sup>/<sub>4</sub>"

complete with frame, 3 tongue depressors  
and 2 adjustable lateral blades

<sup>1</sup>/<sub>2</sub> Dingmann



<sup>1</sup>/<sub>2</sub>

Dingmann  
Tongue Depressor

### S-38-224-01

13.5 cm / 5 <sup>1</sup>/<sub>4</sub>"  
65 x 25 mm



<sup>1</sup>/<sub>2</sub>

### S-38-224-02

13.5 cm / 5 <sup>1</sup>/<sub>4</sub>"  
70 x 29 mm



<sup>1</sup>/<sub>2</sub>

### S-38-224-03

13.5 cm / 5 <sup>1</sup>/<sub>4</sub>"  
80 x 32 mm

# Mouth Gags, Lip and Cheek Retractors, Cheek Retractors



**Jennings**

<b>S-387-237-09</b>	10,5 cm / 4"
<b>S-387-237-11</b>	12,5 cm / 5"
<b>S-387-237-13</b>	14,5 cm / 5 <sup>3</sup> / <sub>4</sub> "
<b>S-387-237-15</b>	16,5 cm / 6 <sup>1</sup> / <sub>2</sub> "



**Oringer**  
self-retaining



**Cawood-Minnesota**

**S-38-263-15**  
15 cm / 6"  
20 mm



**S-38-265-00**  
14,5 cm / 5 <sup>3</sup>/<sub>4</sub>"  
fenestrated



## Lip and Cheek Retractors



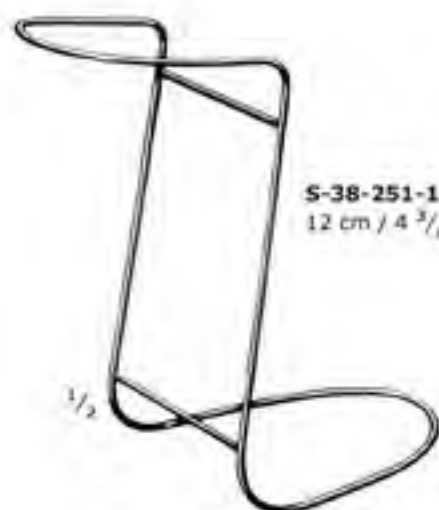
**Martin-Simplex**  
**S-38-243-11**  
 10.5 cm / 4"



**S-38-246-14**  
 14 cm / 5 1/2"  
 Vestibulum Retractor



**Sternberg**  
**S-38-249-14**  
 14 cm / 5 1/2"  
 26 / 37 mm



**S-38-251-12**  
 12 cm / 4 3/4"

**Obwegeser**



**S-38-261-13**  
 13.5 cm / 5 1/4"  
 27 mm

**Bishop**

## Tongue Depressors



**S-38-271-15**  
15 cm / 6"  
72 x 23 mm

**Hartmann**



**S-38-277-14**  
15 cm / 6"  
88 x 25 mm

**Tobold**



**S-38-281-14**  
14,5 cm / 5 3/4"  
85 x 24 mm

**Tobold**



**S-38-297-01**  
14 cm / 5 1/2"  
36 mm

**Wieder**



**S-38-297-02**  
15 cm / 6"  
43 mm



## Tongue Spatulas



$\frac{1}{2}$

**S-38-350-16**

16,5 cm / 6  $\frac{1}{4}$ "  
package of 100 pieces  
wood



$\frac{1}{2}$

**S-38-352-16**

15 cm / 6"  
package of 100 pieces  
plastic



$\frac{1}{2}$

**S-38-363-18**

18,5 cm / 7  $\frac{1}{4}$ "  
Nylon

**Martin**



$\frac{1}{2}$

**Doyen**



**S-38-375-13**

13,5 cm / 5  $\frac{1}{4}$ "  
24 / 30 mm

$\frac{1}{1}$



**S-38-375-16**

16 cm / 6  $\frac{1}{4}$ "  
30 / 34 mm

$\frac{1}{1}$



$\frac{1}{2}$

**Brunings**

**S-38-385-19**

19 cm / 7  $\frac{1}{2}$ "  
19 / 15 mm



## Tongue Holding Forceps & Extra Oral Retractors



**Young**  
**S-38-468-02**  
Rubber Inserts  
23 x 15 mm  
pair



**S-38-452-17**  
17 cm / 6 <sup>3</sup>/<sub>4</sub>"  
Jaw 24 x 27 mm

**Collin**



**S-38-467-17**  
15 cm / 6"

**Young**



**S-38-501-24**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"  
9.5 mm / 16 mm  
concave blade, fully bent tip



**S-38-503-27**  
25.5 cm / 10"  
9.5 mm / 16 mm  
concave blade, fully bent tip



with fiber optic light carrier





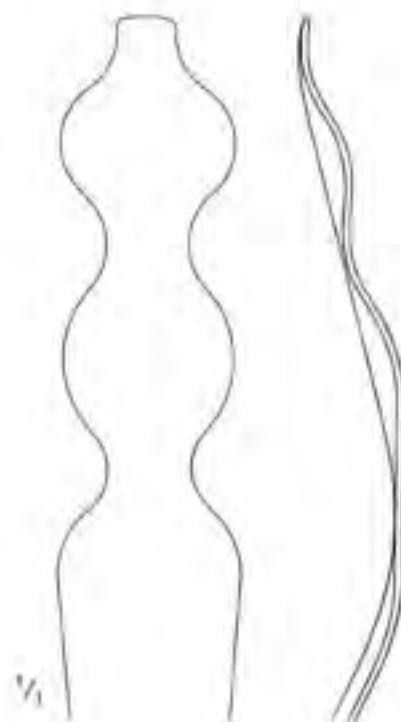
## Intra Oral Retractors



**S-38-505-24**  
23 cm / 9"  
25.5 mm  
for LeFort osteotomies



**S-38-507-27**  
27 cm / 10  $\frac{1}{2}$ "  
25.5 mm  
for LeFort osteotomies



with fiber optic light carrier

## Soft Tissue Retractors



**S-38-509-21**  
21 cm / 8 1/4"  
26.5 / 16 mm  
right



**S-38-511-21**  
21 cm / 8 1/4"  
26.5 / 16 mm  
left

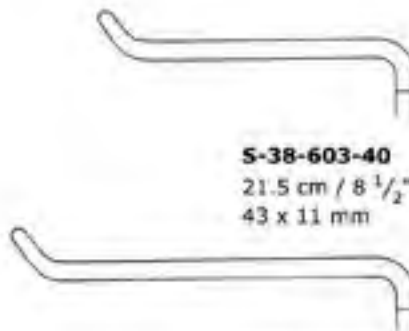


**S-38-517-25**  
25 cm / 9 3/4"  
12.5 / 27mm  
L&M, for vertical osteotomy



Obwegeser

**S-38-603-40**  
21.5 cm / 8 1/2"  
43 x 11 mm



**S-38-603-55**  
21.5 cm / 8 1/2"  
57 x 11 mm

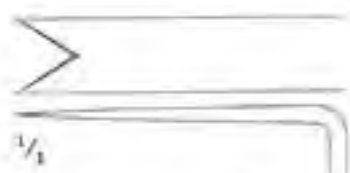


**S-38-603-80**  
21.5 cm / 8 1/2"  
83 x 16 mm





## Ramus Retractors



1/1

**S-38-605-22**  
22 cm / 8 3/4"  
Nasal Spine Retractor  
45 x 10 mm



1/2

Obwegeser



1/1

**S-38-607-22**  
22 cm / 8 3/4"  
72 x 10 mm



1/2

Obwegeser

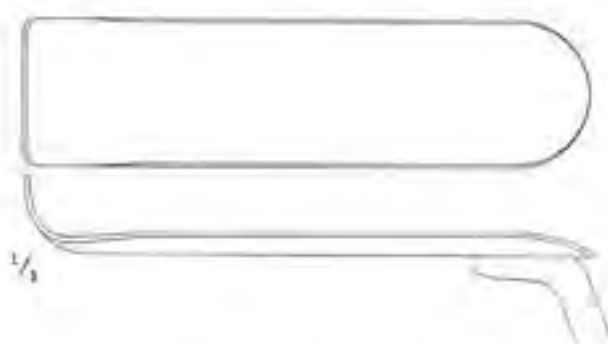
# Chin Retractor, Channel Retractors & Progeny Retractor



**Obwegeser**  
**S-38-611-16**  
16.5 cm / 6 1/2"



**Obwegeser**  
**S-38-613-08**  
**S-38-613-10**  
17 cm / 6 3/4" 8 mm  
17 cm / 6 3/4" 10 mm



**S-38-614-10**  
15 cm / 6"



**S-38-614-20**  
15 cm / 6"



**Schuchardt**



**Metz**



## Retractors, Periosteal Elevators



**S-38-616-01**

18,5 cm / 7 3/4"  
14 x 7 mm



1/1



**Koberg, mod.  
S-38-616-02**

18,5 cm / 7 3/4"  
20 x 7 mm



**S-38-618-01**

18 cm / 7"  
3 x 18 mm



1/1



**S-38-618-02**

18 cm / 7"  
3,5 x 23 mm



1/1

## Periosteal Elevators



1/2

Obwegeser



1/2

**S-38-630-06**  
17.5 cm / 7"  
6 mm



**S-38-630-07**  
17.5 cm / 7"  
7 mm



**S-38-630-09**  
17.5 cm / 7"  
9 mm



**S-38-630-11**  
17.5 cm / 7"  
11 mm



1/2

Obwegeser



**S-38-631-05**  
20.5 cm / 8"  
5 mm



**S-38-631-07**  
20.5 cm / 8"  
7 mm



**S-38-631-09**  
20.5 cm / 8"  
9 mm





## Periosteal Elevators, Elevators



S-38-632-01



S-38-632-02

Obwegeser  
17.5 cm / 7"



S-38-640-21



Obwegeser  
20.5 cm / 8"



S-38-642-21



Obwegeser  
20.5 cm / 8"

## Disimpaction Forceps



$\frac{1}{1}$   
**S-38-700-01 L**  
**S-38-701-01 R**  
 22.5 cm / 8  $\frac{3}{4}$ "



$\frac{1}{1}$   
**S-38-700-02 L**  
**S-38-701-02 R**  
 23.5 cm / 9  $\frac{1}{4}$ "



$\frac{1}{1}$   
**S-38-700-03 R**  
**S-38-701-03 R**  
 24.5 cm / 9  $\frac{3}{4}$ "



**L**  
**Rowe**  
 left



**L**  
**Rowe**  
 right





## Zygoma Elevators, Retractors



**S-38-711-21**

$\frac{1}{2}$

**Gillies**  
20 cm / 8"



**S-38-713-21**  
tip  
5.0 mm  $\phi$

$\frac{1}{2}$

**Dingmann**  
21 cm / 8  $\frac{1}{4}$ "

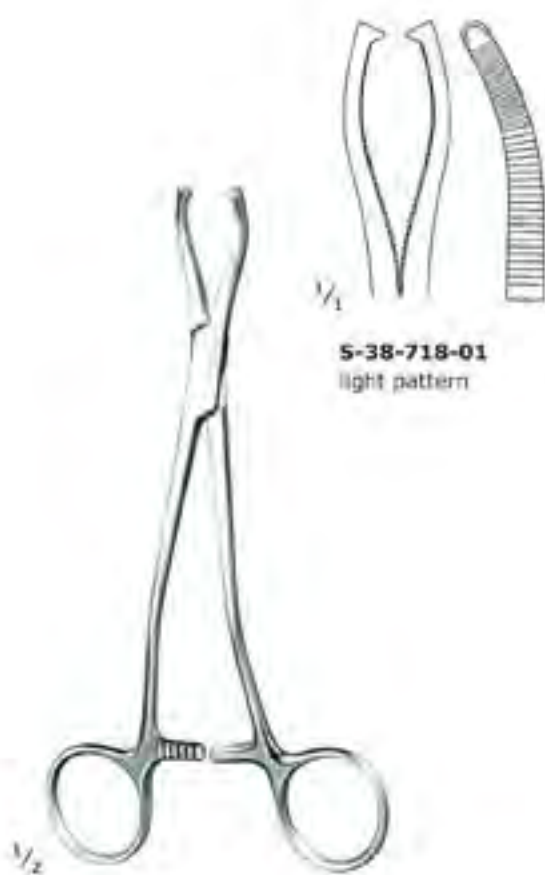


**S-38-718-19**

$\frac{1}{3}$

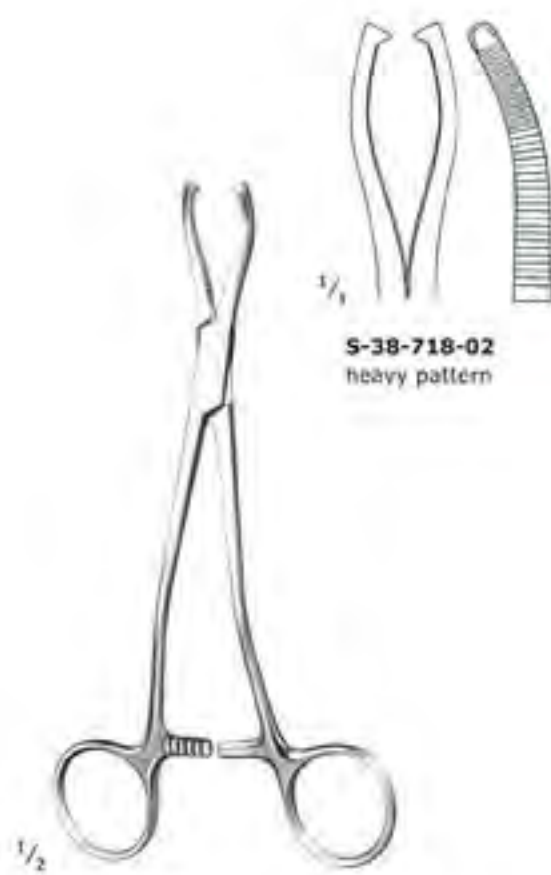
**Dingmann-Wilk**  
20 cm / 8"

## Bone Holding Forceps



**S-38-718-01**  
light pattern

**Jeter-Van Sickle**  
18 cm / 7"  
for sagittal split procedure

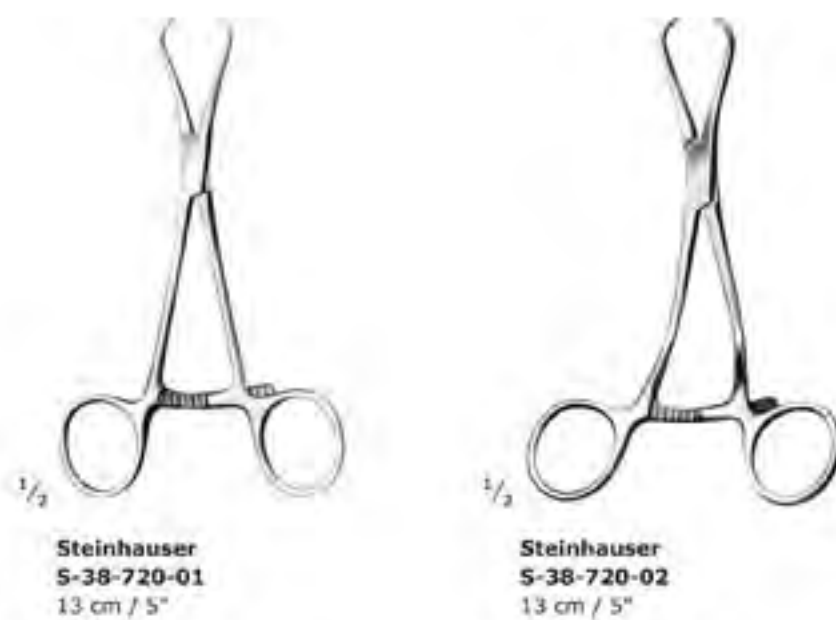
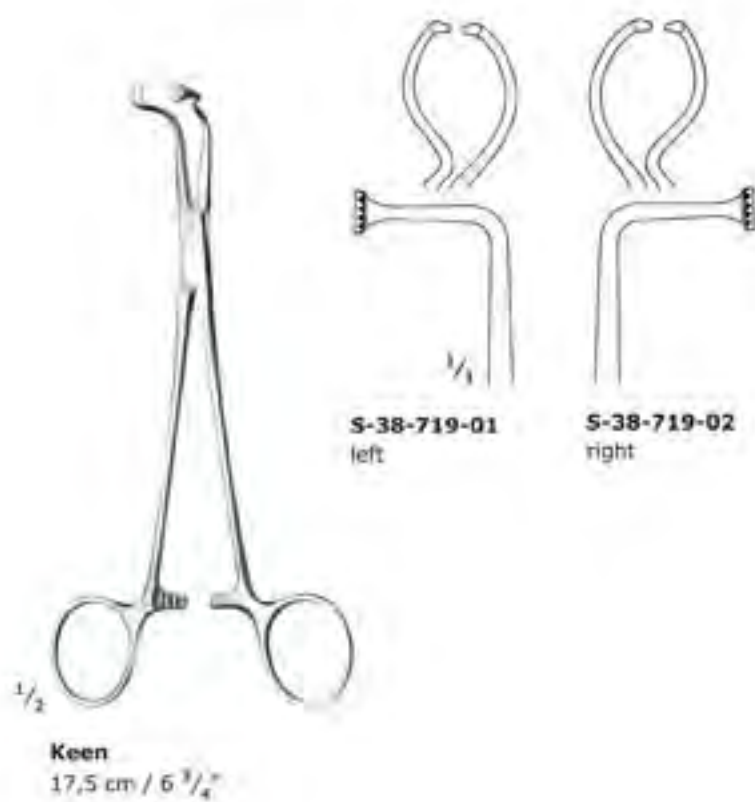


**S-38-718-02**  
heavy pattern

**Jeter-Van Sickle**  
18 cm / 7"  
for sagittal split procedure



## Bone Holding Forceps



## Bone Holding Forceps



**S-38-722-25**  
25 cm / 10"

**Welford**

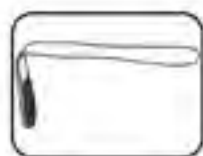


**S-38-723-16**  
16 cm / 6 1/2"

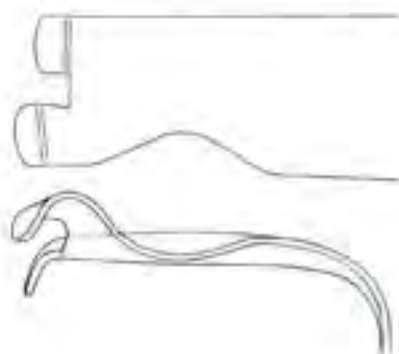
**Salyer**



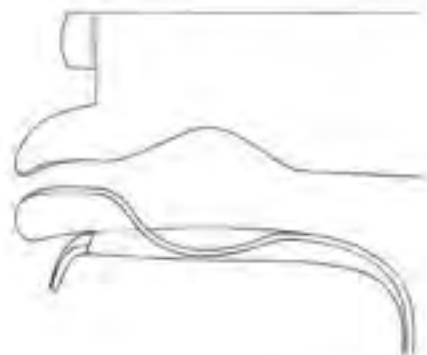
**Sakamoto**  
**S-38-775-00**  
14 cm / 5 3/4"  
Measuring Forceps



## LeFort I Retractors, Sinus Lift Retractors



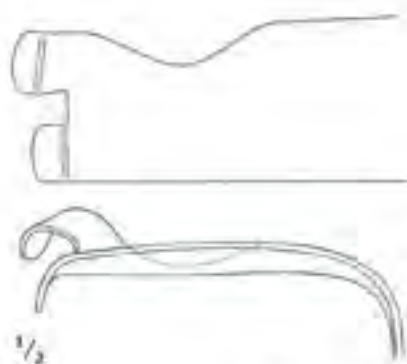
**S-38-777-02**  
left



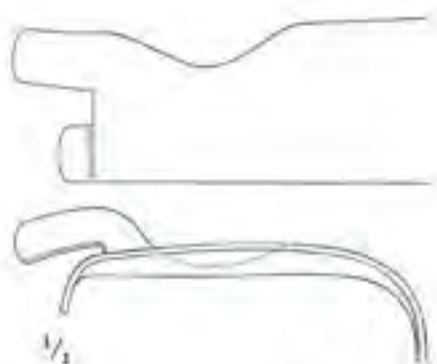
**S-38-779-02**  
left



**Arnhem**  
22 cm / 8  $\frac{3}{4}$ "  
LeFort I Retractor



**S-38-777-01**  
right

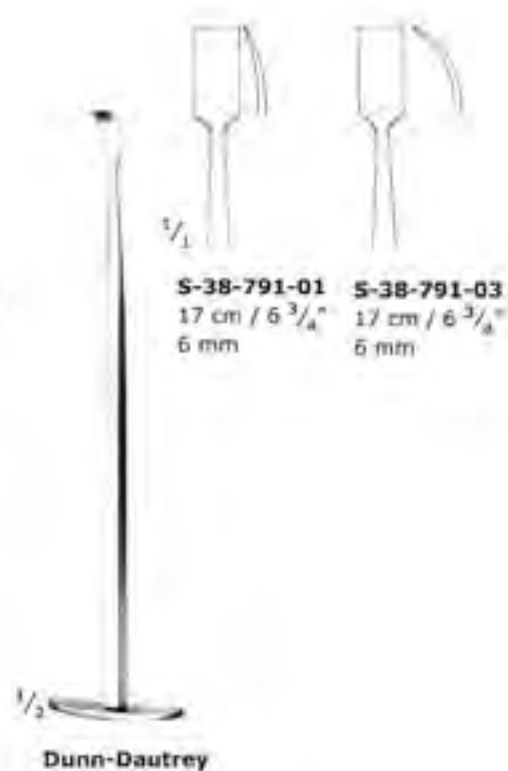
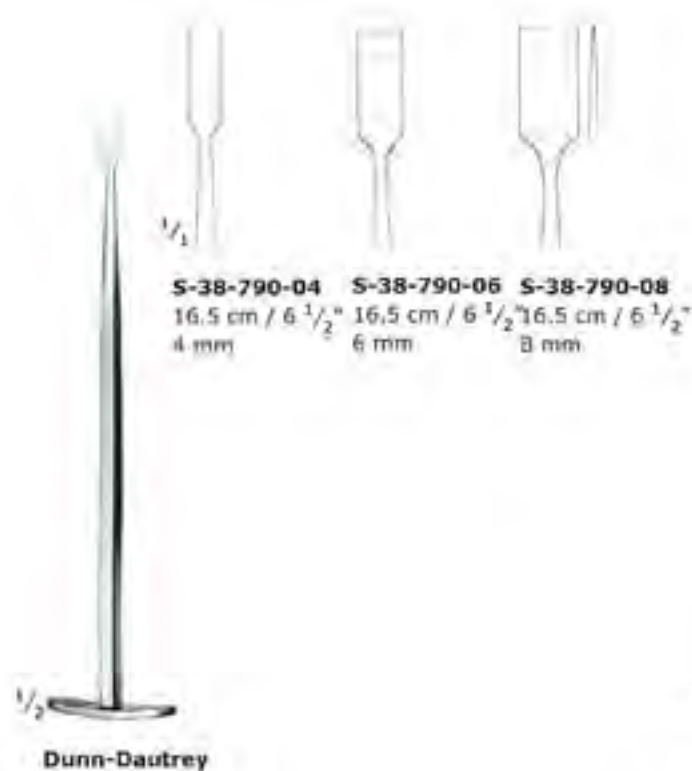


**S-38-779-01**  
right



**Arnhem**  
22 cm / 8  $\frac{3}{4}$ "  
Sinus Lift Retractor

## Osteotomes





## Osteotomes



**S-38-796-04**  
18 cm / 7"  
4 x 1.5 mm



**S-38-796-06**  
18 cm / 7"  
6 x 1.2 mm



**S-38-796-08**  
18 cm / 7"  
8 x 1.2 mm



**S-38-796-04**  
18 cm / 7"  
4 x 1.2 mm



**S-38-797-06**  
18 cm / 7"  
6 x 1.2 mm



**S-38-799-06**  
18 cm / 7"  
6 x 1.2 mm



**S-38-799-08**  
18 cm / 7"  
6 x 1.2 mm



**Epker**

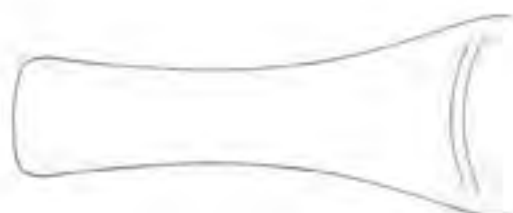


**Epker**



**Epker**

## Ramus Retractors



**S-38-829-00**  
16 cm / 6  $\frac{3}{4}$ "



$\frac{1}{2}$

**Hargis**  
Lip and Cheek Retractors



$\frac{1}{4}$

**S-38-831-01**  
19.5 cm / 7  $\frac{3}{4}$ "  
right

**S-38-831-02**  
19.5 cm / 7  $\frac{3}{4}$ "  
left



$\frac{1}{2}$

**Hargis**

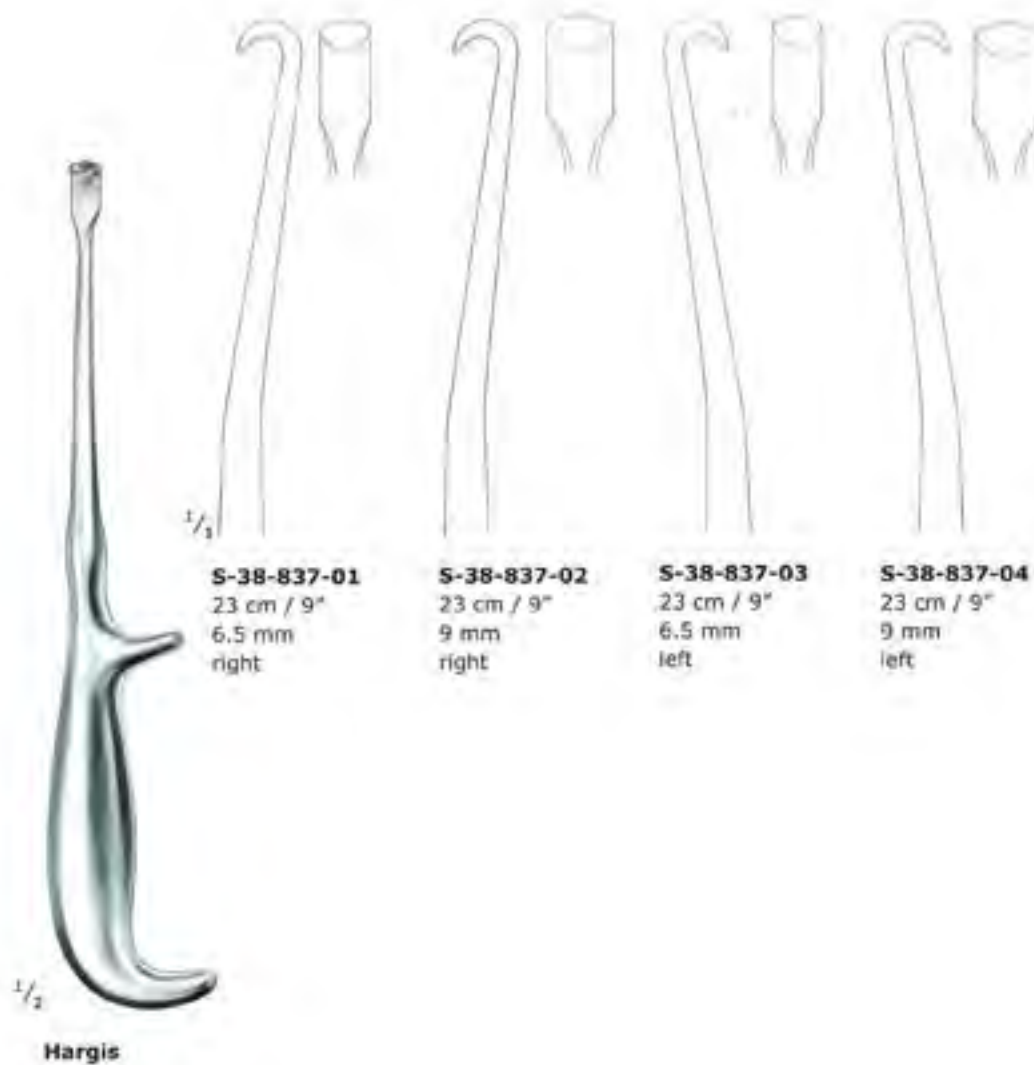




## Mandibular Body Retracto, Anterior Border Striper



## Periosteal Elevators





# Periform Rim Retractor, Pterygoid Osteotome Bone Holding Forceps



**S-38-839-17**  
18.5 cm / 7 1/4"



Hargis



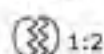
**S-38-841-22**  
22 cm / 8 3/4"



Hargis



**S-83-843-19**  
19 cm / 7 1/2"



with chain



Hargis



**Hargis**  
S-38-843-99  
Retractor Chain, only

## Sagittal Split Separators, Ramus Separator



**S-38-845-01**  
18,5 cm / 7 1/4"  
9 mm  
right

1/2  
Smith



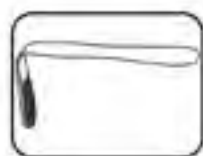
**S-38-845-02**  
18,5 cm / 7 1/4"  
9 mm  
left

1/2  
Smith



**S-38-846-20**  
23,5 cm / 9 1/4"

1/2  
Smith



## Mylohyoid Muscle Clamps



**S-38-850-01**  
17 cm / 6  $\frac{3}{4}$ "  
left



**S-38-850-02**  
17 cm / 6  $\frac{3}{4}$ "  
right



**Terry**



**Terry**

# Channel Retractors, Ramus Pusher



$\frac{1}{2}$

Terry



$\frac{1}{4}$

**S-38-851-16**  
16,5 cm / 6  $\frac{1}{2}$ "



$\frac{1}{2}$

Terry



$\frac{1}{4}$

**S-38-853-24**  
24 cm / 9  $\frac{1}{2}$ "

## Cranio-Maxillio-Facial Surgery



## Soft Tissue Retractors



$\frac{1}{2}$

**Obwegeser**  
24 cm/ 9  $\frac{1}{2}$ "  
bent upwards

**S-48-101-16**

5 x 16 mm

**S-48-101-25**

7 x 25 mm

**S-48-101-35**

10 x 45 mm

**S-48-101-42**

10 x 42 mm

**S-48-101-55**

12 x 55 mm

**S-48-101-70**

14 x 70 mm

**S-48-101-80**

16 x 80 mm





## Soft Tissue Retractors



**S-48-103-16**  
5 x 16 mm



**S-48-103-25**  
7 x 25 mm



**S-48-103-35**  
10 x 35 mm



**S-48-103-42**  
10 x 42 mm



$\frac{1}{2}$

**Obwegeser**  
24 cm / 9"  
bent downwards



**S-48-103-55**  
12 x 55 mm

$\frac{1}{2}$

**Obwegeser**  
24 cm / 9  $\frac{1}{2}$ "  
bent upwards



**S-48-103-70**  
14 x 70 mm

$\frac{1}{4}$



**S-48-103-80**  
16 x 80 mm

## Mandibular Retractors



**S-48-105-30**  
9/12 x 30 mm



**S-48-105-45**  
9/12 x 45 mm



**S-48-105-60**  
9/12 x 60 mm



**Obwegeser**  
21 cm / 8 3/4"



# Nasal Spine Retractor, Chin Holder & Perisoteal Elevators



$\frac{1}{2}$

**Obwegeser**  
24.5 cm / 9  $\frac{3}{4}$ "  
Nasal Spine Retractor



$\frac{1}{1}$

**S-48-113-22**  
10/23 x 40 mm



$\frac{1}{2}$

**Obwegeser**  
16 cm / 6  $\frac{1}{2}$ "  
Chin Holder



$\frac{1}{1}$

**S-48-125-15**  
16.5 mm



$\frac{1}{2}$

**Obwegeser**  
18 cm / 7"  
flat cutting



$\frac{1}{1}$

**S-48-132-06**  
6 mm



**S-48-132-07**  
7 mm



**S-48-132-09**  
9 mm



**S-48-132-11**  
11 mm



## Mandibular Inferior Border Raspatories



**S-48-135-21**  
6 mm

**S-48-137-21**  
6 mm

**S-48-140-01**  
10 mm

**S-48-140-02**  
10 mm

$\frac{1}{2}$   $\frac{1}{4}$   
**Obwegeser**  
21 cm / 8  $\frac{1}{4}$ "  
Elevator

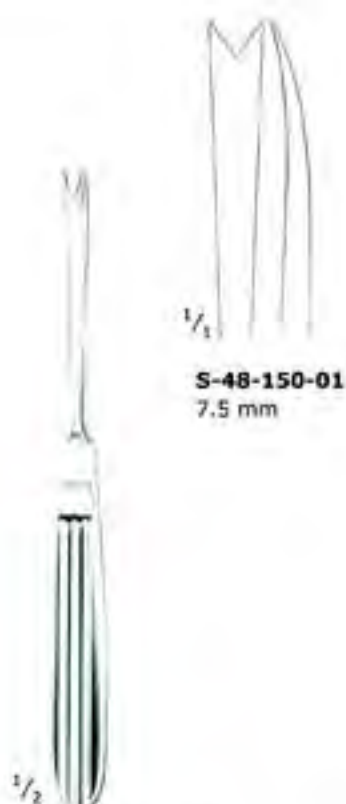
$\frac{1}{2}$   $\frac{1}{4}$   
**Obwegeser**  
21 cm / 8  $\frac{1}{4}$ "  
Raspator

$\frac{1}{2}$   
**Obwegeser**  
18 cm / 7"  
angled to left

$\frac{1}{2}$   
**Obwegeser**  
18 cm / 7"  
angled to left

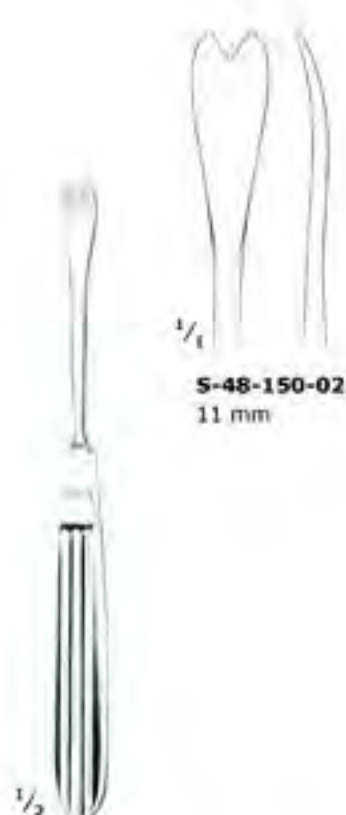


## Ramus Periosteal Elevators



**S-48-150-01**  
7.5 mm

**Obwegeser**  
17.5 cm / 7"



**S-48-150-02**  
11 mm

**Obwegeser**  
17.5 cm / 7"



**Obwegeser**  
20.5 cm / 8"



**S-48-152-05**  
5 mm



**S-48-152-07**  
7 mm



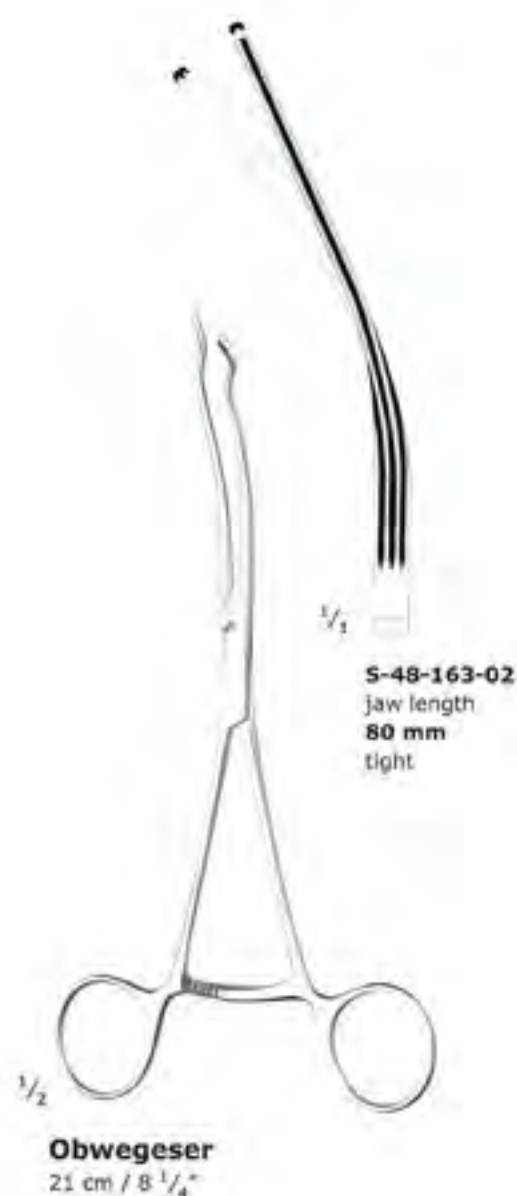
**S-48-152-09**  
9 mm



# Fragment Adapting Forceps



**Atrauma**





## Osteotomes



**S-48-167-08**  
8 mm  
elastic blade



**S-48-167-11**  
11 mm  
elastic blade



$\frac{1}{2}$

**Obwegeser**  
21 cm / 8  $\frac{1}{4}$ "

# Zygomatic Arch Awl, Wire Cutter



S-48-177-24



$\frac{1}{2}$

**Obwegeser**  
24 cm / 9  $\frac{1}{2}$ "



$\frac{1}{2}$

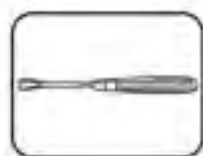
S-48-190-11



$\frac{1}{2}$

**Obwegeser**  
12 cm / 4  $\frac{3}{4}$ "





## Bone Contouring Forceps



**S-48-220-01**

Jaw  
12 x 30 mm  
convex / concave

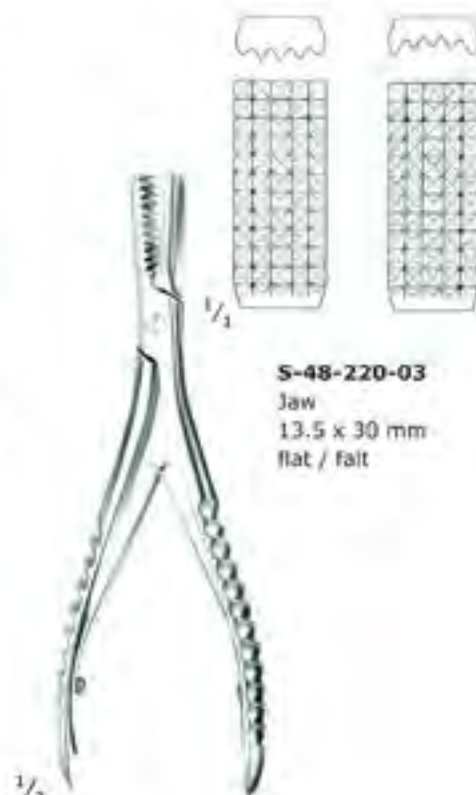
**Obwegeser**  
17 cm / 6 3/4"



**S-48-220-02**

Jaw  
13.5 x 30 mm  
concave / convex

**Obwegeser**  
17.5 cm / 7"



**S-48-220-03**

Jaw  
13.5 x 30 mm  
flat / flat

**Obwegeser**  
17.5 cm / 7"

# Skin Hooklet, Scalp Clamp





## Bone Curettes, Curette Sharpener



**S-48-254-21**  
12 cm

$\frac{1}{2}$

**Tessier**  
21.5 cm / 8  $\frac{1}{2}$ "



**S-48-256-19**

$\frac{1}{2}$

**Tessier**  
19.5 cm / 7  $\frac{3}{4}$ "  
Curette Sharpener



**S-48-258-22**  
6 cm

$\frac{1}{2}$

**Tessier**  
21.5 cm / 8  $\frac{1}{2}$ "

# Nasenspekula



**S-48-261-30**  
blades  
36 mm



**S-48-261-45**  
blades  
45 mm



**S-48-261-70**  
blades  
70 mm



$\frac{1}{2}$

**Tessier**  
14,5 cm / 5  $\frac{3}{4}$ "  
black chromiun-plated



## Nasenspekula



**S-48-263-60**  
blades  
70 x 8,5 mm  
for adults



**S-48-263-75**  
blades  
80 x 8,5 mm  
for children



$\frac{1}{2}$

**Tessier**  
17 cm / 6  $\frac{3}{4}$ "  
for dilation, black chromium-plated



**S-48-265-55**  
blades  
60 x 7,0 mm  
for children



$\frac{3}{4}$   
**S-48-265-60**  
blades  
70 x 7,0 mm  
for children

## Osteotome



**S-48-270-02** 2 mm  
**S-48-270-03** 3 mm  
**S-48-270-05** 5 mm  
**S-48-270-07** 7 mm



**S-48-270-10** 10 mm  
**S-48-270-14** 14 mm  
**S-48-270-16** 16 mm



**S-48-271-05** 5 mm  
**S-48-271-07** 7 mm  
**S-48-271-10** 10 mm



**S-48-272-18**  
18 mm



**S-48-273-10**  
10 mm



**Tessier**  
16 cm / 6 1/4"



**Tessier**  
16 cm / 6 1/4"



**Tessier**  
18 cm / 7"



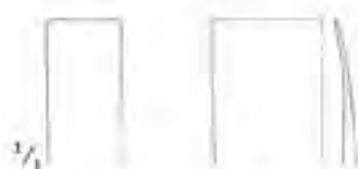
## Osteotome



**S-48-274-10** 10 mm   **S-48-274-15** 15 mm   **S-48-274-20** 20 mm   **S-48-274-30** 30 mm



**S-48-276-10** 10 mm   **S-48-276-15** 15 mm



**S-48-275-10** 10 mm   **S-48-275-15** 15 mm



**S-48-277-10** 10 mm   **S-48-277-15** 15 mm



**Tessier**  
20 cm / 7 <sup>3</sup>/<sub>4</sub>"



**Tessier**  
16 cm / 6 <sup>1</sup>/<sub>4</sub>"

## Thoraxhaken



**S-48-285-20**  
90 x 22 mm

**S-48-285-28**  
120 x 28 mm



$\frac{1}{2}$

**Tessier**  
20,5 cm / 8"  
black chromium-plated





## Beckenkammspatel



**S-48-287-01**  
36 x 50 mm



**S-48-287-02**  
52 x 50 mm



**S-48-287-03**  
59 x 50 mm



**S-48-287-04**  
66 x 50 mm

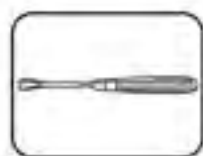


$\frac{1}{2}$

**Tessier**  
16 cm / 6  $\frac{3}{4}$ "  
black chromium-plated

## Bone Holding Forceps





## Bone Cutting Forceps



**Tessier**  
19.5 cm / 7 <sup>3</sup>/<sub>4</sub>"



**S-48-297-19**  
1 serrated cutting edge



**Tessier**  
19 cm / 7 <sup>1</sup>/<sub>2</sub>"



**S-48-299-19**  
1 serrated cutting edge

## Bone Cutting Forceps



**Tessler**  
20.5 cm / 8"



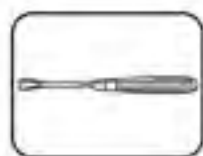
**S-48-300-20**  
slim pattern



**Tessler**  
21.5 cm / 8 1/2"



**S-48-301-21**



## Iliac Crest Awls



**Tessier**  
22 cm / 8 <sup>3</sup>/<sub>4</sub>"  
Bone Contouring Forceps



**S-48-303-22**  
11 mm  
convex / concave

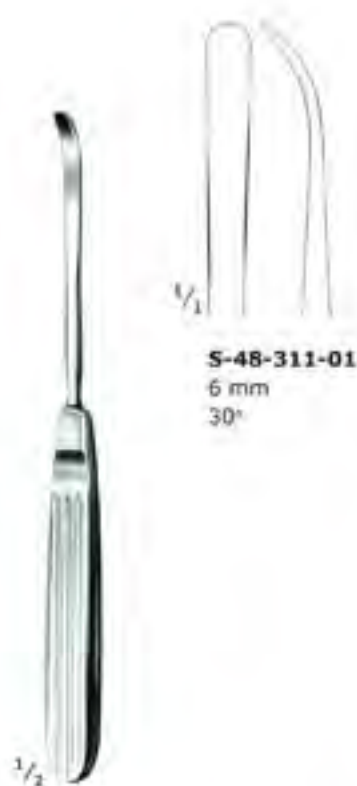


**Tessier**



**S-48-307-01** 20.5 cm / 8"  
**S-48-307-02** 21 cm / 8 <sup>1</sup>/<sub>4</sub>"  
**S-48-307-03** 21.5 cm / 8 <sup>1</sup>/<sub>2</sub>"

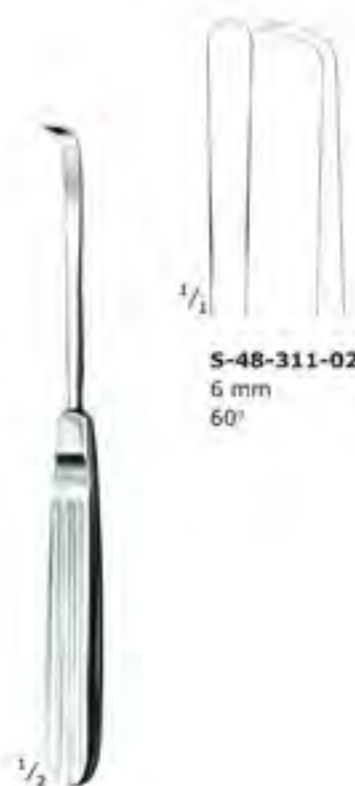
## Periosteal Elevators



**Tessier**  
18.5 cm / 7 1/4"



**S-48-311-01**  
6 mm  
30°



**Tessier**  
18 cm / 7"



**S-48-311-02**  
6 mm  
60°



**Tessier**  
20.5 cm / 8"



**S-48-313-01**  
12 mm



**S-48-313-02**  
15 mm



## Awls



**S-48-316-21**  
2.5 mm Ø

$\frac{1}{2}$

**Tessier**  
21 cm / 8  $\frac{1}{4}$ "



**S-48-318-16**  
4.5 mm Ø

$\frac{1}{2}$

**Tessier**  
16.5 cm / 6  $\frac{1}{2}$ "



**S-48-320-14**  
2.5 mm Ø

$\frac{1}{2}$

**Tessier**  
14 cm / 5  $\frac{1}{2}$ "  
Trocár

## Soft Tissue Retractors



**S-48-331-02**  
20 x 12 / 30 x 16 mm



**S-48-331-03**  
30 x 12 / 35 x 16 mm



**S-48-331-04**  
35 x 12 / 45 x 16 mm



**S-48-331-05**  
50 x 12 / 70 x 16 mm



**S-48-331-01**  
20 x 7 / 30 x 10 mm



**Tessier**  
15 cm / 6"  
black chromium-plated

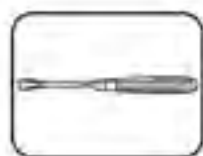


**Tessier**  
15.5 cm / 6"  
black chromium-plated



**Tessier**  
15.5 cm / 6"  
black chromium-plated





## Soft Tissue Retractors



**S-48-333-03**  
30 x 12 / 35 x 16 mm



**S-48-333-04**  
35 x 12 / 45 x 16 mm



**S-48-333-05**  
50 x 12 / 70 x 16 mm



**Tessier**  
16 cm / 6 1/4"  
black chromium-plated

## Osteotome



**S-48-340-18**

$\frac{1}{2}$

**Tessier**  
18.5 cm / 7  $\frac{1}{4}$ "  
Septonasal Osteotome



**S-48-341-18**  
10 mm

$\frac{1}{2}$

**Tessier**  
18 cm / 7"



**S-48-343-06**  
6 mm

$\frac{1}{2}$

**Tessier**  
16.5 cm / 6  $\frac{1}{2}$ "  
Retromaxillary Chisel



**S-48-343-09**  
9 mm



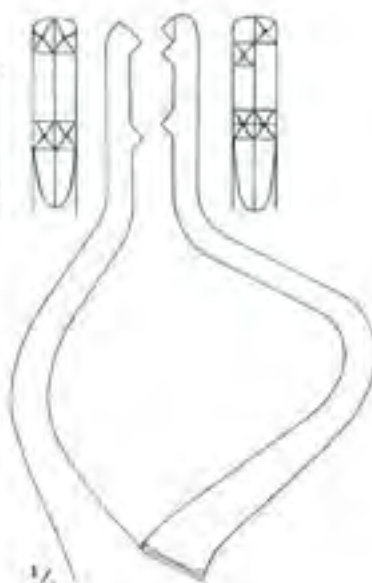
## Disimpaction Forceps



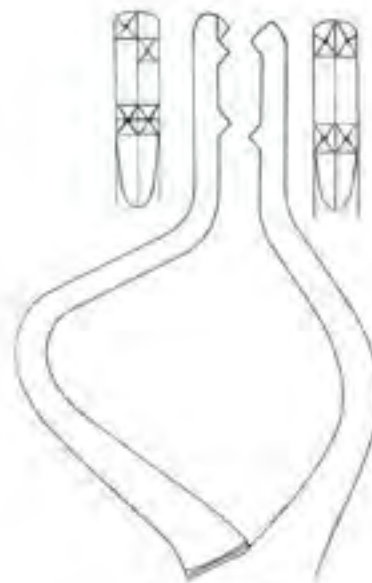
**S-48-360-01**  
left



**S-48-360-02**  
right



**S-48-362-01**  
left



**S-48-362-02**  
right



**Tessier**  
22 cm / 8  $\frac{3}{4}$ "  
for children



**Tessier**  
23 cm / 9"  
for adults

## Mobilizing Retractors



**Tessier**  
17.5 cm / 7"  
Spreading Forceps



**S-48-380-01**  
9 mm  
right



**S-48-380-02**  
9 mm  
left



**Tessier**  
15 cm / 6"



**Tessier**  
15 cm / 6"

## Cranio-Maxillio-Facial Surgery



## Suction Dissector, Osteotomes



**Marchac**  
**S-50-430-19**  
19 cm / 7 1/2"



**Marchac**



**S-50-440-04**  
18.5 cm / 7 1/4"  
4 mm



**S-50-440-06**  
18.5 cm / 7 1/4"  
6 mm



**S-50-440-08**  
18.5 cm / 7 1/4"  
8 mm



**Marchac**  
16.5 cm / 7 1/4"



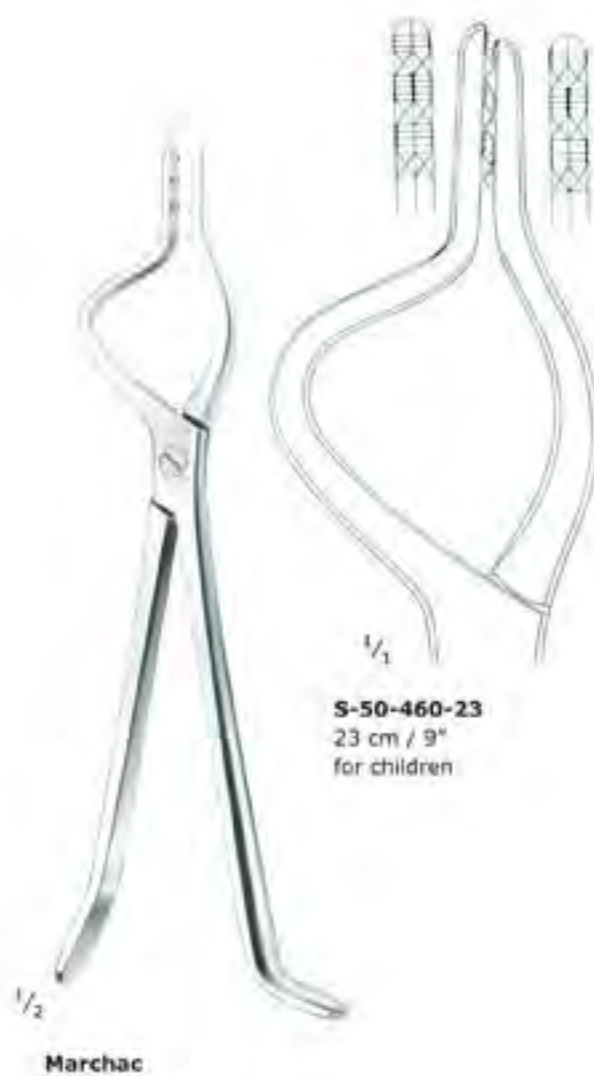
**S-50-441-06**  
18.5 cm / 7 1/4"  
6 mm  
curved



## Bone Hook, Cranial Rongeur



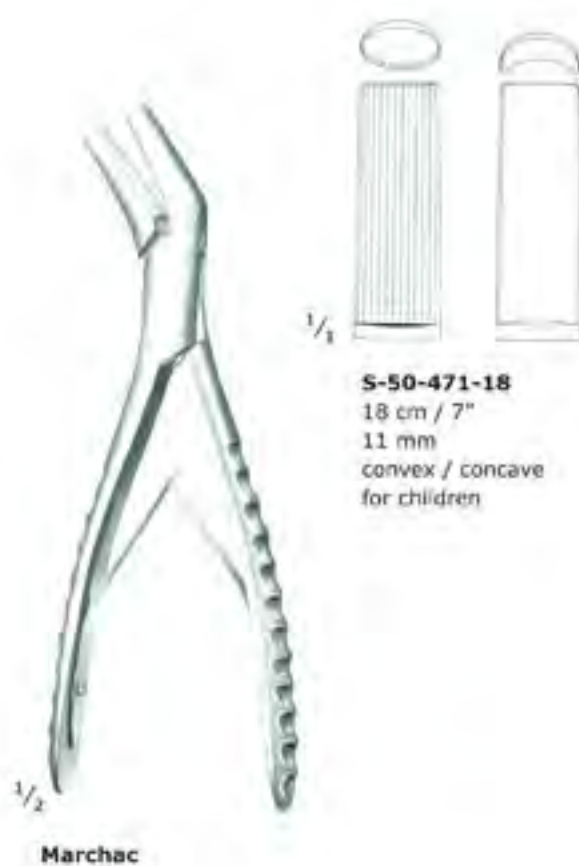
## Disimpaction Forceps







## Bone Contouring Forceps

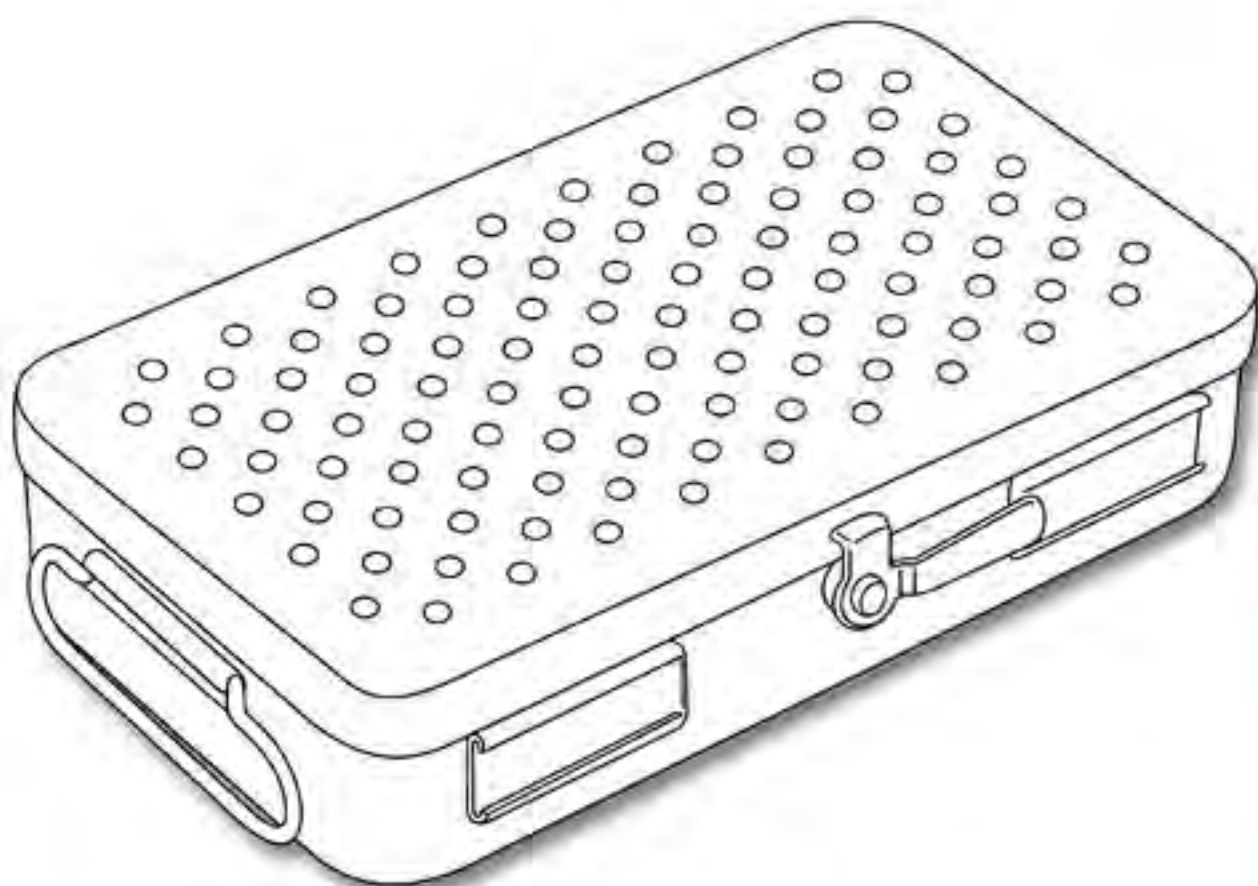


Dura Protector / Wire Catcher



**Marchac**  
**S-50-480-21**  
21.5 cm / 8 <sup>1</sup>/<sub>2</sub>"

## Hygiene, Storage



# Sterilizing Forceps & Safety Pins



**Cheattle**  
**S-55-085-27**  
27 cm / 10  $\frac{1}{2}$ "



**S-55-091-30**  
30 cm / 11  $\frac{3}{4}$ "



**Mayo**  
**S-55-805-14**  
14 cm / 5  $\frac{1}{2}$ "



**Mayo**  
**S-55-808-14**  
14 cm / 5  $\frac{1}{2}$ "



**AIH-1001**  
 Manufactured from 18/10 stainless steel.  
 Domed top and bottom with sliding  
 removable band and drop down claps.  
 Hinged lid.



**AIH-1050**  
 Manufactured from 18/10 stainless steel.  
 Perforated hinged lid and bottom with  
 interchangeable filters. Designed for  
 vertical stream flow



**AIH-1101**  
 Manufactured with 18/10 Stainless Steel  
 Body and Lid pressed without welding



**AIH-1110**  
 Manufactured from 18/10 stainless steel  
 Body lid and perforated internal tray pressed without welding.  
 Hooks to lift the internal tray, closed with joint handle.



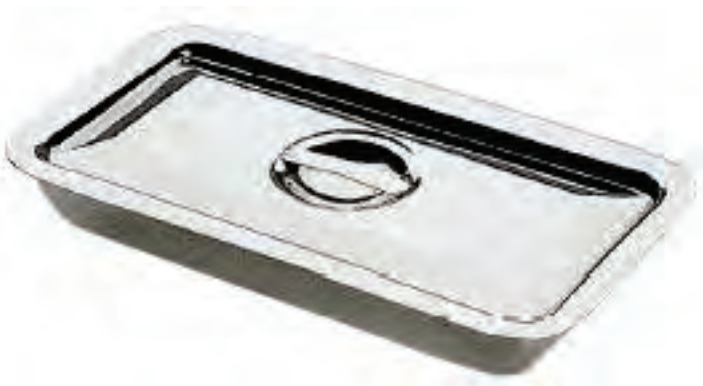
AIH-1122

Manufactured from 18/10 stainless steel  
stainless steel chrome plated brass cap



AIH-1140

Manufactured from 18/10 stainless steel  
Body lid and perforated internal tray pressed without welding.  
Hooks to lift the internal tray,  
closed with joint handle.



AIH-1150

Manufactured with 18/10 Stainless Steel  
Body and Lid pressed without welding



AIH-1160

Manufactured from 18/10 stainless steel.  
Pressed without welding. Flat bottom





AIH-1200

Manufactured from 18/10 stainless steel.  
Pressed without welding. Flat bottom



AIH-1180

Manufactured from 18/10 stainless steel  
Pressed without welding



AIH-1186



AIH-1196

Manufactured from 18/10 stainless steel  
Pressed without welding



AIH-1201

Manufactured from 18/10 stainless steel  
Pressed without welding



AIH-1210

Manufactured from 18/10 stainless steel  
Pressed without welding



AIH-1220

Stainless Steel 18/10 Pressed Without Weld



AIH-1214

Manufactured from 18/10 stainless steel  
Body and lid pressed without welding  
Two side handle





AIH-1221

Manufactured from 18/10 stainless steel  
With handle



AIH-1223

Manufactured from 18/10 stainless steel  
Pressed without welding. With handle



AIH-1225

Manufactured from 18/10 stainless steel  
Pressed without welding



AIH-1227

Completely made of 18/10 stainless steel  
Pressed body. Handle made of stainless steel tube



AIH-1230

Manufactured from 18/10 stainless steel  
Pressed without welding. With handle



AIH-1240

Manufactured from 18/10 stainless steel  
With cover.



AIH-1250

Manufactured from 18/10 stainless steel  
Without welding. With handle and holder



AIH-1260

Manufactured From Stainless Steel Wirey





AIH-1270

Manufactured From Stainless Steel 18/10



AIH-1271

Manufactured from 18/10 stainless steel



AIH-1274

Manufactured from 18/10 stainless steel.



AIH-1280

Manufactured from 18/10 stainless steel  
Available with Lip On Request

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