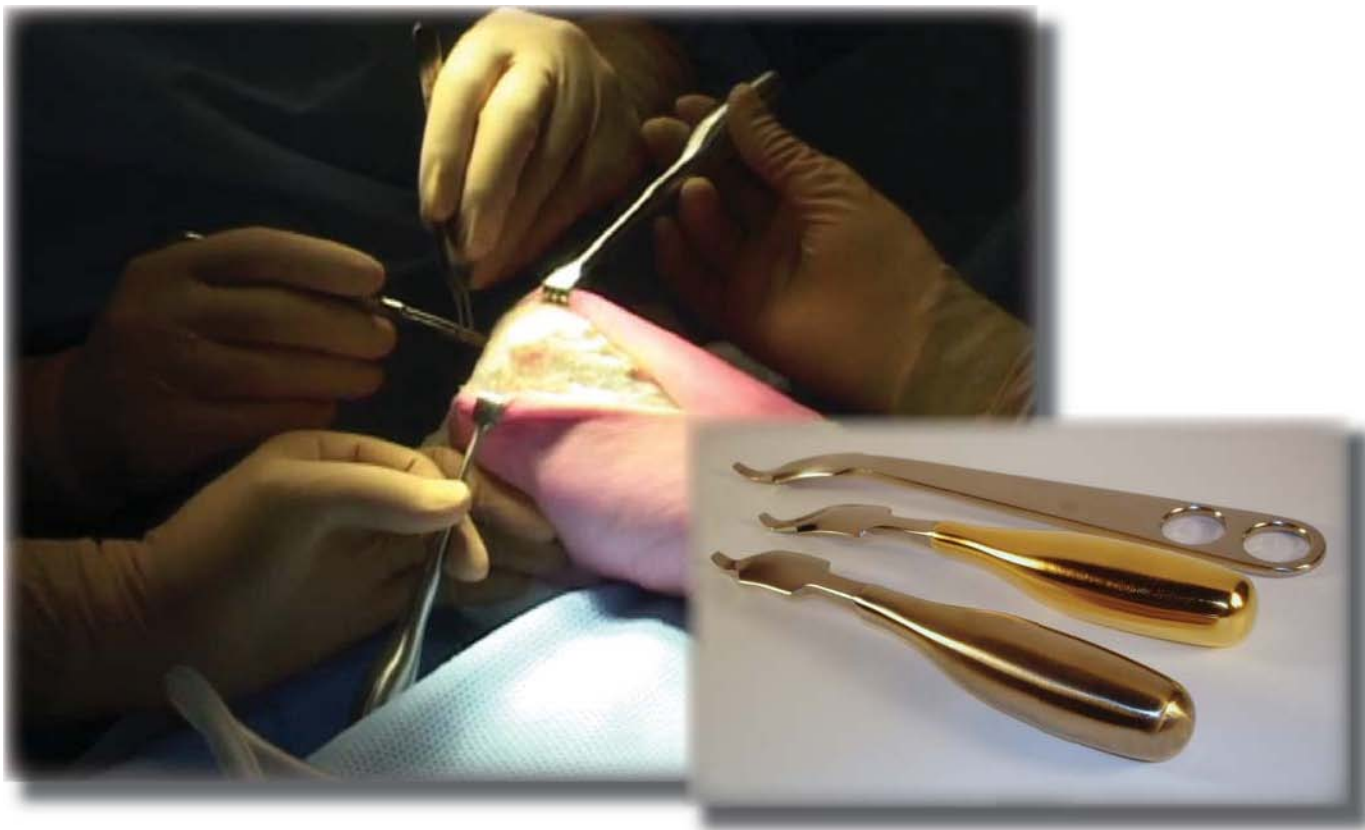
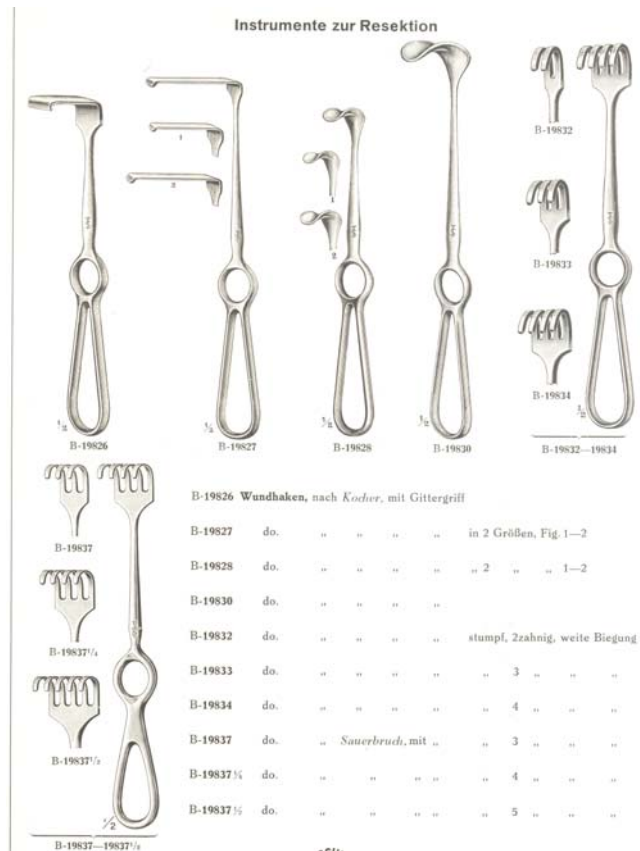


versa modis®

*surgical instruments*

*Ear nose throat surgery*





*catalog 1945*



*catalog 2008*

## **Design Rationale**

Many of the products we use today have evolved over the past century. This also applies to products in the medical world. One thing that has remained unchanged is the design of the surgical instruments used in surgery. We still use tools that were developed by great surgeons of the 19th century: Sauerbruch, Von Langenbeck, and Von Volkmann, to name a few. However, these instruments no longer meet the ergonomic requirements of this century. Holding these traditional instruments for a few minutes soon leads to physical fatigue in the upper limbs. Ergonomic design not only means more comfort, but also leads to improved safety, because it allows you to focus on the operation itself. Less labor strain also makes the job more pleasant. It is a well-known fact that complaints of the musculoskeletal system due to strenuous physical labor are more prevalent among OR (operating room) nurses than among white collar workers. This is also reflected in the higher rate of illness-related absence. Compare it with today's car: it has more comfortable seats and air-conditioning. If you feel more comfortable, you can cover more miles before getting tired, thereby reducing the chances of an accident.

### **The Versagrip handle**

The newly developed handle of Versagrip fits the hand perfectly, and therefore leads to less strain and pain. Users have assessed the versagrip and gave the new ergonomic handle a score of 7,5 on a scale where 10 is most comfortable. Less strain leaves energy for more focus on the job, and helps to prevent accidents.

Based on experience of many OR-nurses, it can be said that current surgical instruments are equipped with uncomfortable handles. An important criterion for comfort is that the usage is free of pain. Most handles are designed more than a century ago, and do not meet today's criteria of a comfortable manual instrument. Using the traditional instruments during surgery leads to discomfort and eventually to pain. Versagrip is the new comfortable handle.

Experience the difference!

Versagrip B.V. (Chamber of Commerce number 34238297) has been founded in 2006 by an orthopaedic surgeon in the Netherlands.

The company has developed new ergonomic handles for manual instruments which are patented. Main purpose of the handle is for tools used during surgery.

The traditional tools are literally antique, because they were developed in the late 18th century, and were never changed since then. These handles do not meet today's requirements of ergonomics. As a frequent user, the founder of the company experienced how tiring these handles are.

In collaboration with the department of industrial design of the Technical University Delft, the Netherlands, new handles were developed. The new handles are very welcomed by the OR nurses and surgeons, because they feel very comfortable.

The instruments are sold under the name Versamodis® ([www.versamodis.com](http://www.versamodis.com)). Eleven types of retractors are available now. New types of instruments can be made on demand.

The new instruments are CE registered as a class 1 medical tool under number 2907670.

The instruments are of the same alloy as the traditional ones. Sterilization, packaging and storage are therefore equal.

Besides the ergonomic instruments, the company offers also the traditional instruments, including scissors, forcepses etc. The company guarantees an excellent quality at a good value for money.

In cooperation with the distributor, (scientific) presentations can be given at hospitals, exhibitions, and meetings.

Please, feel free to try the difference, and share the experience. In this catalogue only a few examples are shown, but the range can extended with any retractor.





*"it's amazing how much easier  
these are to handle"*



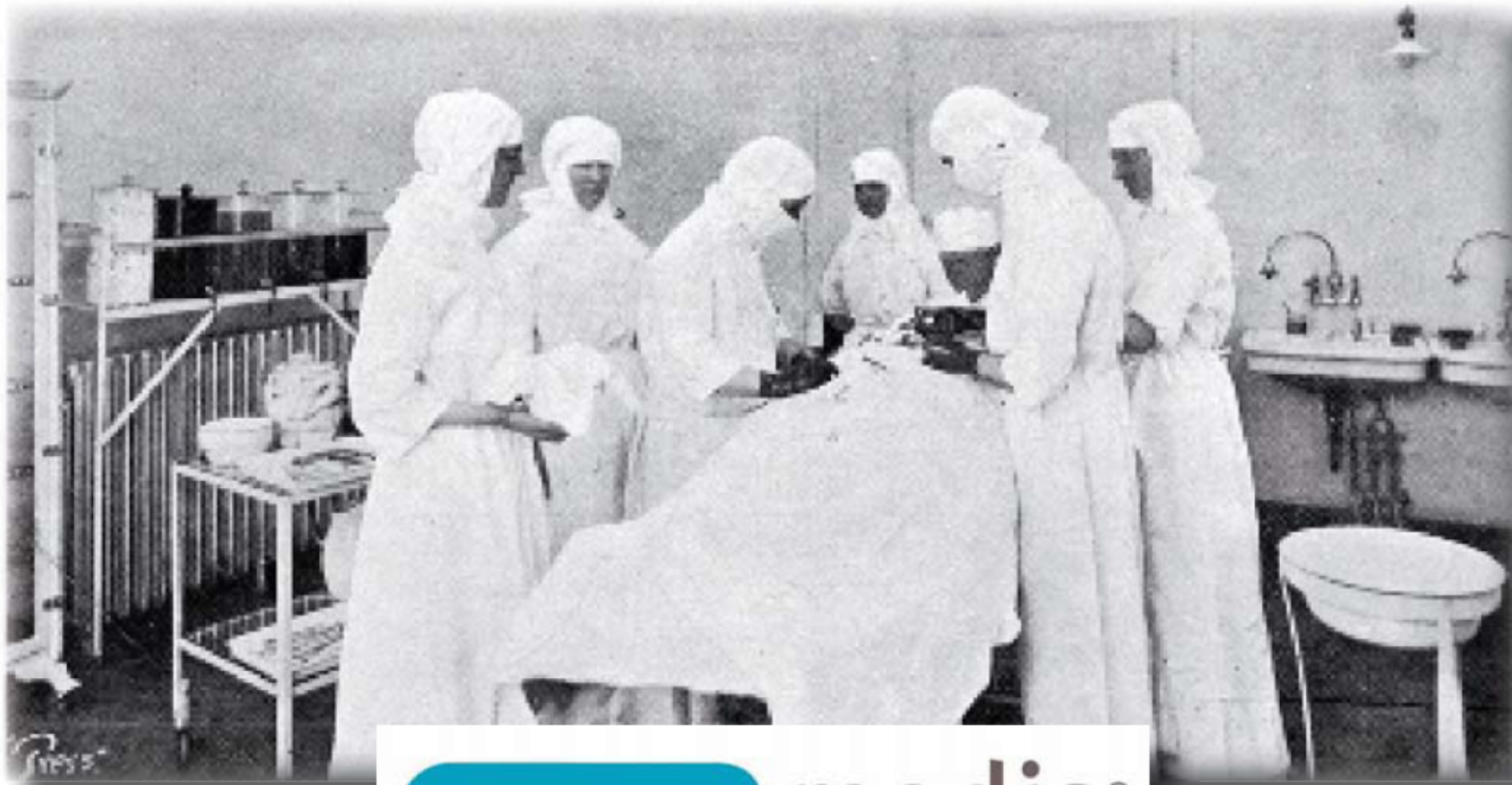
*"hope we can use these in our  
hospitals"*

*"a beautiful design"*



*"a great improvement"*





versa modis®

Instruments line





- VMG-671      VERSAMODIS VOLKMAN RETRACTOR, 1 PRONG, SEMI-SHARP, 21CM
- VMG-672      VERSAMODIS VOLKMAN RETRACTOR, 2 PRONG, SEMI-SHARP, 21CM
- VMG-673      VERSAMODIS VOLKMAN RETRACTOR, 3 PRONG, SEMI-SHARP, 21CM
- VMG-674      VERSAMODIS VOLKMAN RETRACTOR, 4 PRONG, SEMI-SHARP, 21CM
- VMG-676      VERSAMODIS VOLKMAN RETRACTOR, 6 PRONG, SEMI-SHARP, 21CM
- VMG-678      VERSAMODIS VOLKMAN RETRACTOR, 8 PRONG, SEMI-SHARP, 21CM
- VMG-684      VERSAMODIS VOLKMAN RETRACTOR, 4 PRONG, SEMI-SHARP, 60° ANGLE, 21CM



VMT-910      VERSAMODIS SHOULDER RETRACTOR SET, SET/3



- VMG-262 VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 8MM WIDE, 20CM
- VMG-264 VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 10MM WIDE, 20CM
- VMG-266 VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 12MM WIDE, 20CM
- VMG-268 VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 14MM WIDE, 20CM
- VMG-270 VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 16MM WIDE, 20CM
- VMG-272 VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 18MM WIDE, 20CM

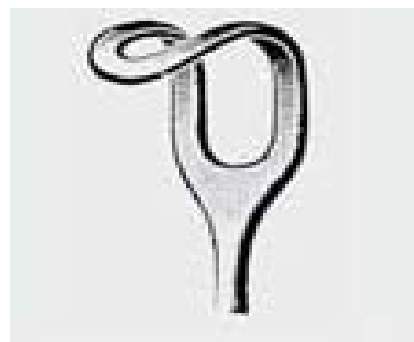




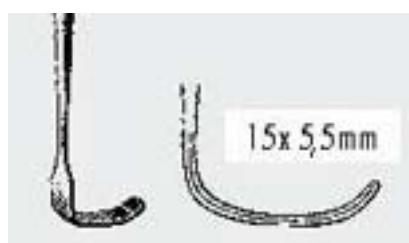
VMG-540      VERSAMODIS RAGNELL RETRACTOR, 8MM X 4MM, 14CM  
VMG-545      VERSAMODIS RAGNELL RETRACTOR, 15MM X 5.5MM, 14CM



VMG-285      VERSAMODIS KOCHER WOUND AND VEIN RETRACTOR, 12MM X 20MM, 20CM  
VMG-287      VERSAMODIS KOCHER WOUND AND VEIN RETRACTOR, 15MM X 20MM, 20CM



- VMG-921 MIDDLEDORF RETRACTOR, FENESTRATED BLADE, 15MM X 15MM, 22CM  
 VMG-922 MIDDLEDORF RETRACTOR, FENESTRATED BLADE, 20MM X 22MM, 22CM  
 VMG-923 MIDDLEDORF RETRACTOR, FENESTRATED BLADE, 28MM X 28MM, 23CM



- VMG-540 VERSAMODIS RAGNELL RETRACTOR, 8MM X 4MM, 14CM  
 VMG-545 VERSAMODIS RAGNELL RETRACTOR, 15MM X 5.5MM, 14CM



VMG-412	VERSAMODIS LANGENBECK RETRACTOR, 30MM X 11MM BLADE, 21CM
VMG413	VERSAMODIS LANGENBECK RETRACTOR, 30MM X 14MM BLADE, 21CM
VMG-414	VERSAMODIS LANGENBECK RETRACTOR, 33MM X 14MM BLADE, 21CM
VMG-415	VERSAMODIS LANGENBECK RETRACTOR, 30MM X 16MM BLADE, 21CM
VMG-416	VERSAMODIS LANGENBECK RETRACTOR, 40MM X 10MM BLADE, 21CM
VMG-417	VERSAMODIS LANGENBECK RETRACTOR, 42MM X 13MM BLADE, 21CM
VMG-418	VERSAMODIS LANGENBECK RETRACTOR, 50MM X 11MM BLADE, 21CM
VMG-419	VERSAMODIS LANGENBECK RETRACTOR, 60MM X 20MM BLADE, 21CM



VMT-006	VERSAMODIS FARABEUFG RUGINE, STRAIGHT, 6MM WIDE
VMT-008	VERSAMODIS FARABEUFG RUGINE, STRAIGHT, 8MM WIDE
VMT-010	VERSAMODIS FARABEUFG RUGINE, STRAIGHT, 10MM WIDE
VMT-012	VERSAMODIS FARABEUFG RUGINE, STRAIGHT, 12MM WIDE
VMT-014	VERSAMODIS FARABEUFG RUGINE, STRAIGHT, 14MM WIDE
VMT-026	VERSAMODIS FARABEUFG RUGINE, CURVED, 6MM WIDE
VMT-028	VERSAMODIS FARABEUFG RUGINE, CURVED, 8MM WIDE
VMT-030	VERSAMODIS FARABEUFG RUGINE, CURVED, 10MM WIDE
VMT-032	VERSAMODIS FARABEUFG RUGINE, CURVED, 12MM WIDE
VMT-034	VERSAMODIS FARABEUFG RUGINE, CURVED, 14MM WIDE



VMF-690	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 2.0CM X 10CM BLADE
VMF-692	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 3.0CM X 10CM BLADE
VMF-694	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 4.0CM X 10CM BLADE
VMF-704	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 2.0CM X 13CM BLADE
VMF-710	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 3CM X 13CM BLADE
VMF-720	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 4CM X 13CM BLADE
VMF-723	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 2.0CM X 16CM BLADE
VMF-730	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 3CM X 16CM BLADE
VMF-740	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 4CM X 16CM BLADE
VMF-750	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 2.0CM X 18CM BLADE
VMF-752	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 3.0CM X 18CM BLADE
VMF-754	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 4.0CM X 18CM BLADE

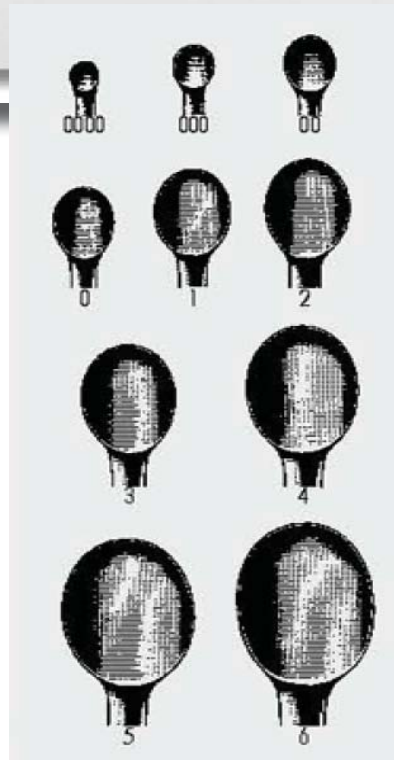


VMB-700 BRUNNER RETRACTOR, MALLEABLE COPPER, 13MM, 20MM, 25MM, 30MM, 40MM, 50MM, 65MM WIDE, SET/7, 18CM



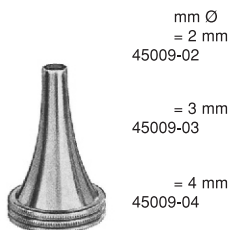
- VMT-065      VERSAMODIS HOHMANN MINI BONE LEVER, 6MM WIDE,  
TAPERING TO SQUARE POINT, 16CM
- VMT-067      VERSAMODIS HOHMANN MINI BONE LEVER, 8MM WIDE,  
TAPERING TO SQUARE POINT, 16CM
- VMT-070      VERSAMODIS HOHMANN HIP / BONE LEVER, 24MM WIDE,  
ROUNDED TIP, 26.5CM
- VMT-072      VERSAMODIS LANGE HOHMANN LEVER, 22MM WIDE,  
SQUARE TIP WITH CENTRE GROOVE, 26CM
- VMT-075      VERSAMODIS HOHMANN BONE LEVER, 8MM WIDE,  
TAPERING TO POINT, 22CM
- VMT-077      VERSAMODIS HOHMANN BONE LEVER, 18MM WIDE,  
TAPERING TO SQUARE TIP, 26CM
- VMT-078      VERSAMODIS HOHMANN BONE LEVER, 17MM WIDE,  
TAPERING TO ROUND TIP, 24CM
- VMT-079      VERSAMODIS HOHMANN BONE LEVER, 43MM WIDE,  
TAPERING TO SQUARE TIP, 25CM
- VMT-080      VERSAMODIS HOHMANN BONE LEVER, 70MM WIDE,  
TAPERING TO BLUNT TIP, 24CM
- VMT-090      VERSAMODIS HOHMANN BONE LEVER, 24MM WIDE,  
TAPERING TO SQUARE TIP, 26CM
- VMT-092      VERSAMODIS HOHMANN BONE LEVER, 33MM WIDE,  
SQUARE TIP, 27CM
- VMT-094      VERSAMODIS HOHMANN BONE LEVER, 43MM WIDE,  
TAPERING TO ROUND TIP, 24CM





VMN-001	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.000
VMN-002	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.00
VMN-003	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.0
VMN-004	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.1
VMN-005	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.2
VMN-006	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.3
VMN-007	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.4
VMN-008	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.5
VMN-009	VERSAMODIS BRUNS SPINAL CURETTE, 23CM, N0.6

Ohrspekula  
Ear Specula  
Espéculos auriculares  
Specoli auricolari



POLITZER  
45009-00  
Set = 3

mm Ø  
= 2 mm  
45009-02

= 3 mm  
45009-03

= 4 mm  
45009-04



HARTMANN  
45011-00  
Set 3-7 mm

schwarz  
black  
negro  
nero  
mm Ø  
= 3 mm  
45011-03

= 4 mm  
45011-04

= 5 mm  
45011-05

= 7 mm  
45011-07

= 8 mm  
45011-08



HARTMANN  
45010-00  
Set = 4

mm Ø  
= 2  
45010-20

= 3  
45010-30

= 4,5  
45010-45

= 5,5  
45010-55

= 6,5  
45010-65

= 7,5  
45010-75



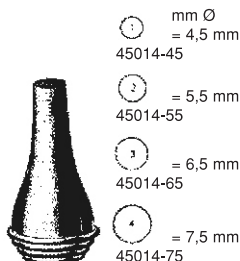
TOYNBEE  
45012-00  
Set = 3

mm Ø  
= 4 mm  
45012-40

= 5,5 mm  
45012-55

= 6,5 mm  
45012-65

= 7,5 mm  
45012-75



GRUBER  
45014-00  
Set = 4

mm Ø  
= 4,5 mm  
45014-45

= 5,5 mm  
45014-55

= 6,5 mm  
45014-65

= 7,5 mm  
45014-75



GRUBER  
45015-00  
Set = 4

mm Ø  
= 4,5 mm  
45015-45

= 5,5 mm  
45015-55

= 6,5 mm  
45015-65

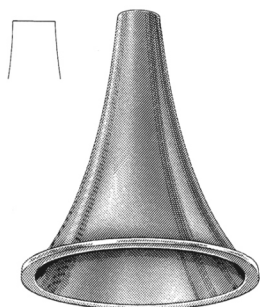
= 7,5 mm  
45015-75



BOUCHERON  
45018-00  
Set = 4

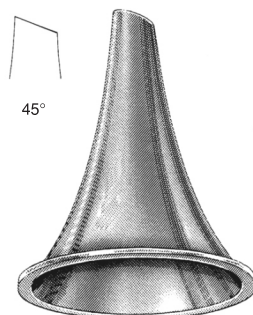
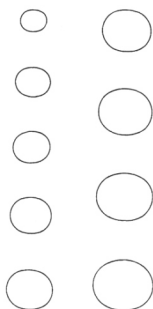
45018-50  
5 mm  
45018-60  
6 mm  
45018-70  
7 mm  
45018-80  
8 mm

Ohrspekula  
Ear Specula  
Espéculos auriculares  
Specoli auricolari



FARRIOR

45019-30	3,0 x 4,0 mm
45019-40	4,0 x 5,0 mm
45019-45	4,5 x 5,5 mm
45019-50	5,0 x 6,0 mm
45019-55	5,5 x 6,5 mm
45019-60	6,0 x 7,0 mm
45019-65	6,5 x 7,5 mm
45019-70	7,0 x 8,0 mm
45019-75	7,5 x 8,5 mm



FARRIOR

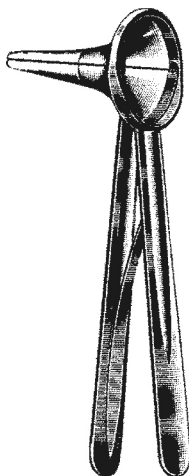
45020-30	3,0 x 4,0 mm
45020-40	4,0 x 5,0 mm
45020-45	4,5 x 5,5 mm
45020-50	5,0 x 6,0 mm
45020-55	5,5 x 6,5 mm
45020-60	6,0 x 7,0 mm
45020-65	6,5 x 7,5 mm
45020-70	7,0 x 8,0 mm
45020-75	7,5 x 8,5 mm

45020-01  
Ø 3 mm

45020-02  
Ø 4 mm

45020-03  
Ø 5 mm

45020-04  
Ø 6 mm



RICHTAU-HOLMGREN

Ohrkatheter, Parazentese Nadeln, Ohrmesser  
 Catheters, Paracentesis Needles, Ear Knives  
 Cateteres, agujas para paracentesis, Cuchillos auriculares  
 Cateteri, Aghi per paracentesi, Coltelli auricolari

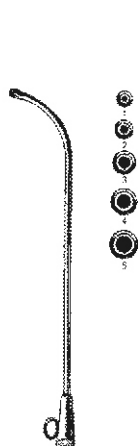


Fig. HARTMANN

- |   |          |        |
|---|----------|--------|
| 1 | 45133-01 | 3,5 mm |
| 2 | 45133-02 | 4,0 mm |
| 3 | 45133-03 | 4,5 mm |
| 4 | 45133-04 | 5,0 mm |
| 5 | 45133-05 | 6,0 mm |



POLITZER  
 45150-18  
 18 cm, 7"



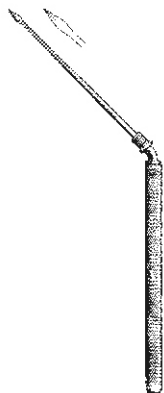
POLITZER  
 45151-16  
 16,5 cm, 6 1/2"



LUCAE  
 45152-01  
 18 cm, 7"



LUCAE  
 45152-02  
 18 cm, 7"



POLITZER  
 45153-16



POLITZER  
 45160-15  
 15 cm, 6"



SEXTON  
 45162-18  
 18 cm, 7"



SEXTON  
 45164-17  
 17 cm, 6 3/4"



SEXTON  
 45165-17  
 17 cm, 6 3/4"

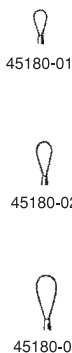
Löffel, Schlingen, Häkchen, Pinzetten  
 Ear spoons, Loops, Hooklets, Dressing Forceps  
 Cucharas, Asas, Ganchitos, Pinzas  
 Cucchiari, Anse, Uncinetti, Pinze



GROSS  
 45171-12  
 12 cm, 4 3/4"



BILLEAU  
 45180-01 - 45180-03  
 16 cm, 6 1/4"



45180-01  
 45180-02  
 45180-03



LANGENBECK  
 45181-13  
 13 cm, 5 1/8"



ZAUFAL  
 45184-16  
 16 cm, 6 1/4"



ZAUFAL-JANSEN  
 45185-15  
 15 cm, 6"



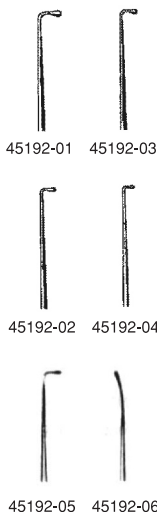
DAY  
 45190-01 - 45190-02  
 16 cm, 6 1/4"



45190-01  
 45190-02



WAGENER  
 45192-01 - 45192-04  
 14 cm, 5 1/2"



45192-01 45192-03  
 45192-02 45192-04  
 45192-05 45192-06

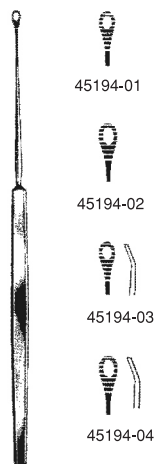


LUCAE  
 14 cm, 5 1/2"

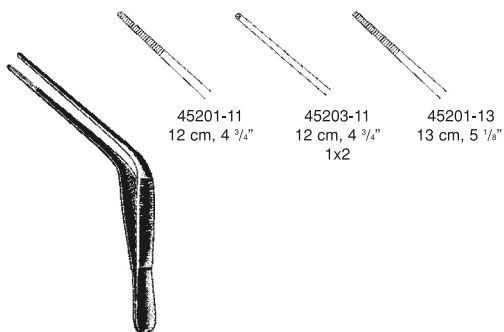


45193-01 2 mm  
 45193-02 3 mm  
 45193-03 4 mm

Löffel, Schlingen, Häkchen, Pinzetten  
 Ear spoons, Loops, Hooklets, Dressing Forceps  
 Cucharas, Asas, Ganchitos, Pinzas  
 Cucchiari, Anse, Uncinetti, Pinze



SHAPLEIGH  
 45194-01 - 45194-04  
 13 cm, 5 1/8"



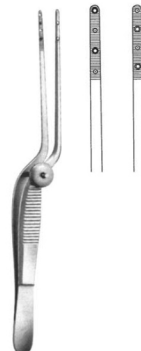
WILDE (TROELTSCH)



LUCAE  
 45206-14  
 14 cm, 5 1/2"

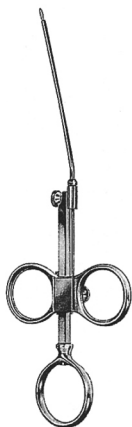


LUCAE  
 45206-16  
 16 cm, 6 1/4"

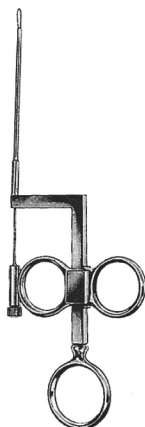


COTTLE  
 45208-14  
 14 cm, 5 1/2"

Polypenschnürer, Ohrzängchen  
 Snares, Ear Forceps  
 Cierra-nudos, Pinzas auriculares  
 Serranodi, Pinze auricolari



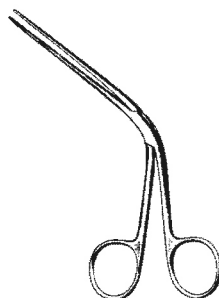
KRAUSE  
 45220-16  
 16 cm, 6 1/4"



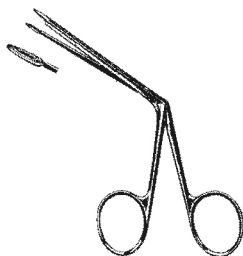
WILDE  
 45222-17  
 17 cm, 6 3/4"



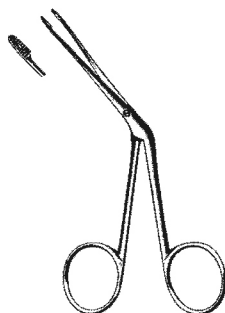
45225-02  
 doz./doc./dozz.  
 0,2 mm



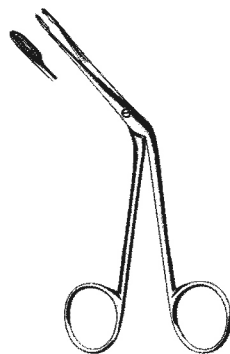
TILLEY  
 45243-14  
 14 cm, 5 1/2"



LITTAUER  
 45245-12  
 12 cm, 4 3/4"



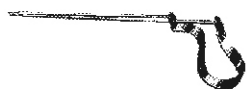
HARTMANN  
 45246-12  
 12 cm, 4 3/4"



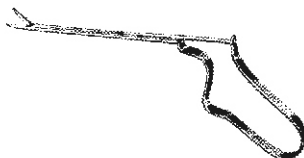
HARTMANN  
 45246-14  
 14 cm, 5 1/2"



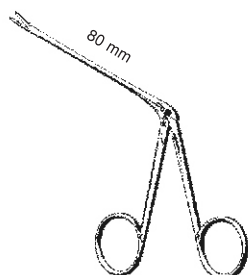
Fremdkörperheber, Fremdkörperzängchen  
Foreign Body Levers, Ear Polypus Forceps  
Elevadores para cuerpos extraños, Pinzas para pólipos  
Leve per corpi estranei, Pinze per polipi



QUIRE  
45251-10  
10 cm, 4"



BUCK  
45253-11  
11 cm, 4 3/8"



45255-08 - 45275-08



HARTMANN-WULLSTEIN  
45255-08  
8,5 cm, 3.4"



HARTMANN-WULLSTEIN  
1 mm 45257-08  
8,5 cm, 3.4"



HARTMANN  
45261-08 8,5 cm, 3.4"  
45261-14 14,0 cm, 5 1/2"  
45261-16 16,0 cm, 6 1/4"



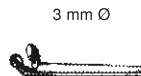
HARTMANN  
45263-08 8,5 cm, 3.4"  
45263-14 14,0 cm, 5 1/2"



HARTMANN  
45265-08  
8,5 cm, 3.4"



Ø mm HARTMANN  
2,0 45267-20 8,5 cm, 3.4"  
2,5 45267-25 8,5 cm, 3.4"  
3,0 45267-30 8,5 cm, 3.4"



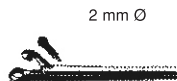
3 mm Ø  
HARTMANN  
45269-30  
8,5 cm, 3.4"



STRUEMPEL  
45271-08 8,5 cm, 3.4"  
2,5x5 mm



HARTMANN  
45273-08  
8,5 cm, 3.4"



2 mm Ø  
HARTMANN-HOFFMANN  
45275-08  
8,5 cm, 3.4"

Micro-Ohrscheren, Micro-Ohrzängchen  
Micro Ear Scissors, Micro Ear Forceps  
Tijeras auriculares micro, Pinzas auriculares micro  
Forbici auricolari micro, Pinze auricolari micro



45310-40 - 45322-70



**A**  
BELLUCCI  
45310-40  
micro mini  
4 mm



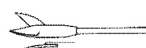
**A**  
BELLUCCI  
45312-55  
micro standard  
5,5 mm



**D**  
BELLUCCI  
45313-55  
micro standard  
5,5 mm



**B**  
BELLUCCI  
45315-55  
micro standard  
5,5 mm



**C**  
BELLUCCI  
45317-55  
micro standard  
5,5 mm



**A**  
SHEA  
45320-70  
7,0 mm



**C**  
SHEA  
45321-70  
7,0 mm

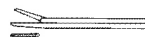


**B**  
SHEA  
45322-70  
7,0 mm

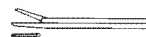
**A:** gerade / straight / recto / retta  
**B:** rechts / right / derecha / destra  
**C:** links / left / izquierda / sinistra  
**D:** aufgebogen / curved up / curva in alto / curva hacia arriba  
**E:** nach unten gebogen / curved down / curva in basso / curva hacia abajo



45350-40 - 45360-35



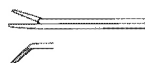
**A**  
45350-40  
4 mm



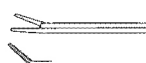
**A**  
45350-70  
7 mm



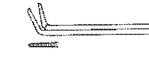
**A**  
45352-40  
4 mm



**C**  
45353-60  
6 mm



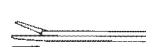
**B**  
45355-60  
6 mm



**D**  
45357-40  
4 mm



**E**  
45359-40  
4 mm

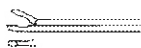


**A**  
45360-35  
3,5 mm

Micro-Ohrzängchen  
Micro Ear Forceps  
Pinzas auriculares micro  
Pinze auricolari micro



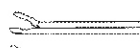
45362-45 - 45383-30



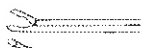
**A**  
45362-45  
4,5 mm



**C**  
45363-45  
4,5 mm



**B**  
45365-45  
4,5 mm



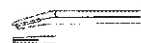
**D**  
45367-50  
5,0 mm



**E**  
45369-50  
5,0 mm



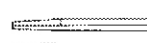
**A**  
GREVEN  
45370-50  
5,0 mm



McGEE  
45371-40  
0,8x4,0 mm



COS  
45373-30  
1,8x0,8x3,0 mm



JUERS  
45375-60  
6,0 mm



JUERS  
45377-60  
6,0 mm

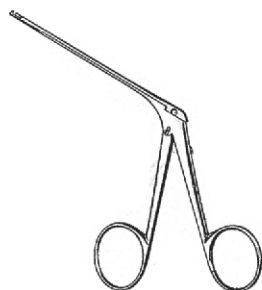


**C**  
HAUGH  
45381-30  
45° 3 mm



**B**  
HAUGH  
45383-30  
45° 3 mm

- A:** gerade / straight / recto / retta  
**B:** rechts / right / derecha / destra  
**C:** links / left / izquierda / sinistra  
**D:** aufgebogen / curved up / curva in alto / curva hacia arriba  
**E:** nach unten gebogen / curved down / curva in basso / curva hacia abajo



DIETER  
45385-01 - 45387-02

micro  
  
45385-01

aufwärts  
upward  
arriba  
in alto

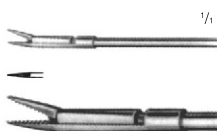
mini  
  
45387-01

  
45385-02

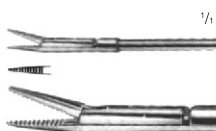
abwärts  
downward  
abajo  
in basso

  
45387-02

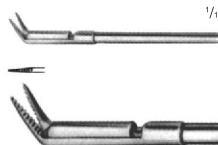
Micro-Ohrzängchen  
Micro Ear Forceps  
Pinzas auriculares micro  
Pinze auricolari micro



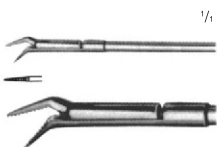
45390-35  
0,8 x 3,5 mm



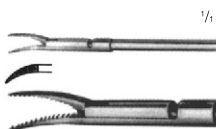
45390-50  
1 x 5 mm



45391-35  
0,8 x 3,5 mm



45392-35  
0,8 x 3,5 mm



45393-50  
1 x 5 mm

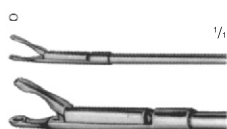


45394-50  
1 x 5 mm

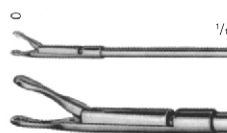
Micro-Ohrzängchen  
Micro Ear Forceps  
Pinzas auriculares micro  
Pinze auricolari micro



WULLSTEIN



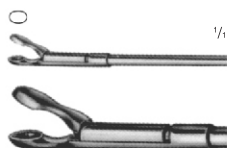
45400-01  
0,9 x 1 mm



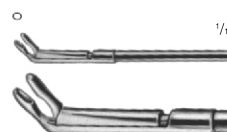
45400-02  
0,8 x 1,3 mm



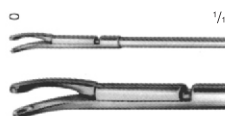
45400-03  
1 mm



45401-25  
1,7 x 2,5 mm



45402-10  
0,9 x 1 mm



45403-13  
0,8 x 1,3 mm



45404-13  
0,8 x 1,3 mm

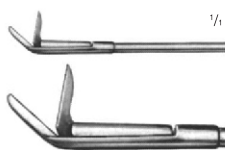
Micro-Ohrzängchen  
Micro Ear Forceps  
Pinzas auriculares micro  
Pinze auricolari micro



BELLUCCI



45410-01



45411-01



45412-01



45413-01



45414-01

Messer  
Knives  
Cuchillos  
Coltelli



SCHUKNECHT  
45701-01



SCHUKNECHT  
45701-02



SCHUKNECHT  
45703-15  
15,5 cm, 6"



WULLSTEIN  
45704-15  
15,5 cm, 6"



TABB  
45705-15  
15,5 cm, 6"



PLESTER  
45706-35 15,5 cm, 6"  
3,5 mm Ø



45709-10  
1,0 mm



45709-14  
1,4 mm



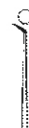
45709-16  
1,6 mm



45709-20  
2,0 mm



45709-26  
2,6 mm



45709-28  
2,8 mm



45709-30  
3,0 mm



ROSEN  
45709-10 - 45709-30



Nadeln und Häkchen  
Needles and Hooks  
Agujas y Ganchos  
Aghi e uncini



BARBARA  
45710-15



BARBARA  
45711-15



BARBARA  
45713-15



BARBARA  
45715-17



mm 25°  
0,3 BARBARA  
0,6 45720-03  
1,0 45720-06  
1,2 45720-10  
1,5  
2,0  
2,5



45°  
BARBARA  
45722-03  
45722-06  
45722-10  
45722-12  
45722-15  
45722-20  
45722-25



90°  
BARBARA  
45724-03  
45724-06  
45724-10  
45724-12  
45724-15  
45724-20  
45724-25



BARBARA  
45725-05=0,5 mm  
45725-10=1,0 mm



45730-03 - 45747-10



mm 90°  
0,3 45730-03  
0,6 45730-06  
1,0 45730-10



90°  
45732-03  
45732-06  
45732-10



mm McGEE  
0,5 45733-05  
1,0 45733-10



McGEE  
45735-05  
45735-10



BARBARA  
45736-15  
15,5 cm, 6°



ROSEN  
45737-15  
15,5 cm, 6°



mm 25°  
0,3 45741-03  
0,6 45741-06  
1,0 45741-10



25°  
45743-03  
45743-06  
45743-10

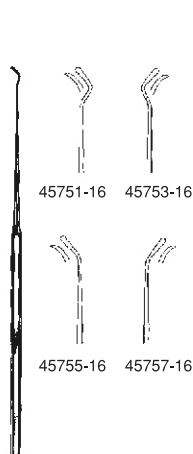


45°  
45745-03  
45745-06  
45745-10



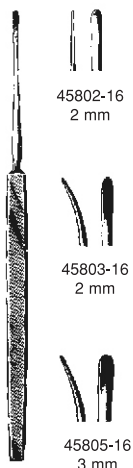
45°  
45747-03  
45747-06  
45747-10

Dissektoren, Küretten, Elevatoren, scharfe Löffel  
 Dissectors, Curettes, Elevators, Sharp Curettes  
 Dissectores, Curetas, Elevadores, Curetas cortantes  
 Dissettori, Curette, Elevatori



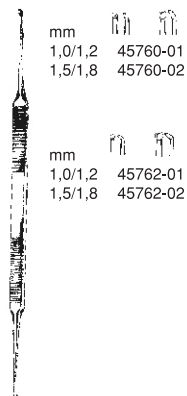
FISCH

45751-16 - 45757-16



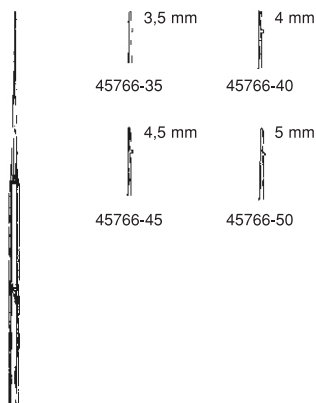
LEMPERT

45802-16 - 45805-16



HOUSE

45760-01 - 45762-02



HOUSE

45766-35 - 45766-50



LEMPERT

45807-20  
20,5 cm, 8"



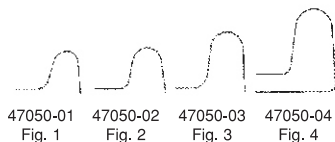
MUCK

45812-13  
13 cm, 5 1/8"

Nasenspekula  
Nasal Specula  
Espéculos nasales  
Specoli nasali



THUDICHUM  
47050-01 - 47050-07



47050-01  
Fig. 1

47050-02  
Fig. 2

47050-03  
Fig. 3

47050-04  
Fig. 4



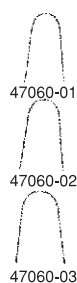
47050-05  
Fig. 5

47050-06  
Fig. 6

47050-07  
Fig. 7



VOLTOLINI  
47060-01 - 47060-03



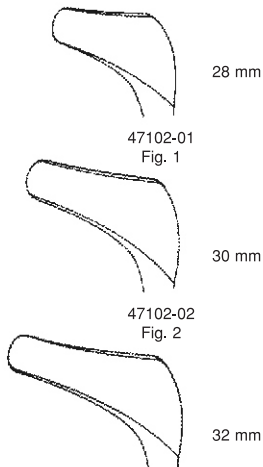
47060-01

47060-02

47060-03



HARTMANN-HALLE  
47102-01 - 47102-03  
15 cm, 6"



47102-01  
Fig. 1

47102-02  
Fig. 2

47102-03  
Fig. 3

28 mm

30 mm

32 mm

Baby, bebé  
Kind, child, niño, bamb.  
Erwachs., Adult, adulto



Mod. VIENNA  
47112-01  
47112-02  
47112-03



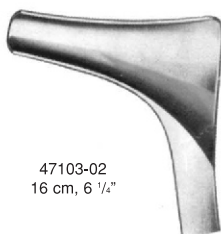
Mod. VIENNA  
47113-03

leichtes Modell  
lightweight  
mod. ligero  
mod. leggero

Nasenspekula  
Nasal Specula  
Espéculos nasales  
Specoli nasali



47103-01  
16 cm, 6 1/4"



47103-02  
16 cm, 6 1/4"



47103-03  
16 cm, 6 1/4"

1/1



HARTMANN

Nasenspekula, Kehlkopfspiegel  
Nasal Specula, Laryngeal Mirrors  
Especulos nasales, espejos laríngeos  
Specoli nasali, Specchi laringei



TIECK-HALLE  
47116-13  
13,5 cm, 5 1/4"



REDA  
47118-13  
12,5 cm, 5"



KILLIAN  
47120-35 - 47120-90  
13 cm, 5 1/8"



47120-35  
35 mm

47120-50  
50 mm

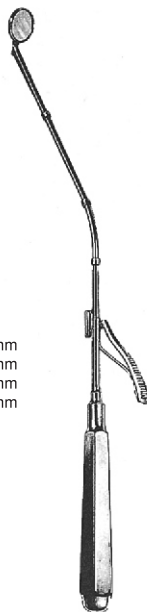
47120-75  
75 mm

47120-90  
90 mm



COTTLE  
47124-35 - 47124-90  
14 cm, 5 1/2"

47124-35 35 mm  
47124-50 50 mm  
47124-75 75 mm  
47124-90 90 mm



MICHEL  
47139-12 - 47139-18  
25 cm, 10"



47139-12  
12 mm



47139-14  
14 mm

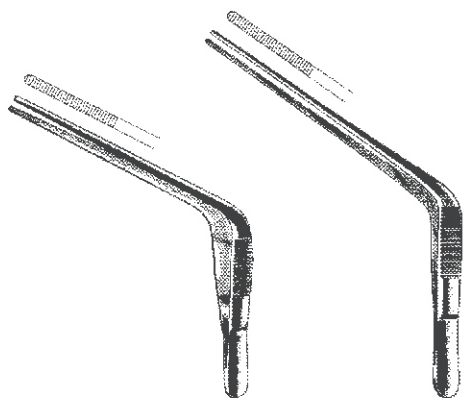


47139-16  
16 mm

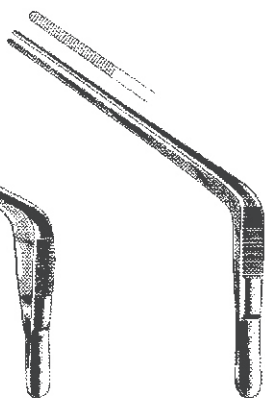


47139-18  
18 mm

Nasenpinzetten, Polypenzängchen  
 Ear Dressing Forceps, Ear Polypus Forceps  
 Pinzas auriculares, Pinzas para pólipos  
 Pinze auricolari, Pinze per polipi



TROELTSCH  
 47151-15  
 15 cm, 6"



TROELTSCH  
 47151-18  
 18 cm, 7"

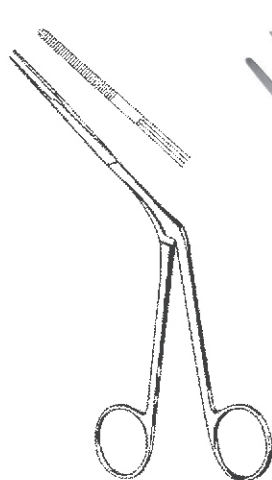


JANSEN  
 47154-20  
 20 cm, 8"



JANSEN  
 47155-20  
 20 cm, 8"

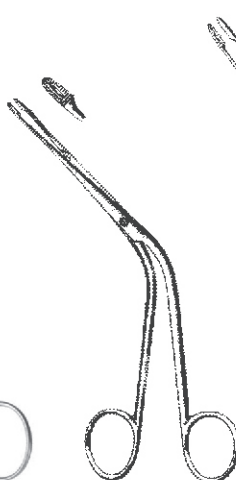
1x2



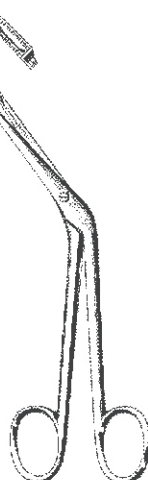
WESTMACOTT  
 47158-20  
 20 cm, 8"



LUBET-BARBON  
 47159-20  
 20 cm, 8"

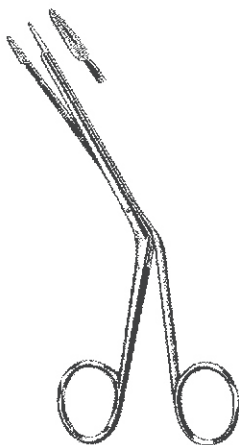


HARTMANN  
 47161-16  
 16 cm, 6 1/4"

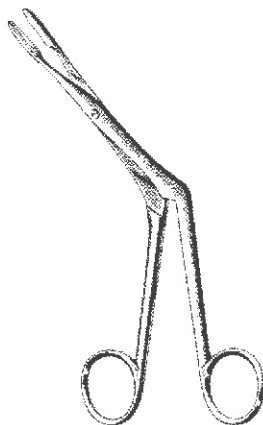


HARTMANN  
 47161-20  
 20 cm, 8"

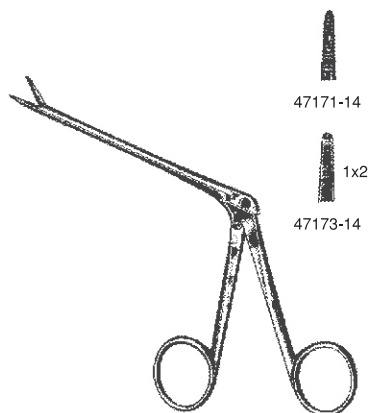
Polypenzangen, Septumzangen  
Nasal Polypus and Septum Forceps  
Pinzas para pólipos y para el tabique nasal  
Pinze per polipi, Pinze per il setto nasale



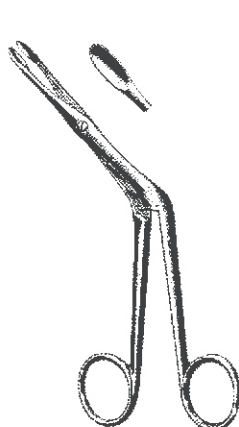
LITTAUER  
47167-18  
18 cm, 7"



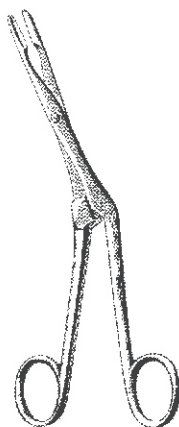
HEYMANN-KNIGHT  
47169-18  
18 cm, 7"



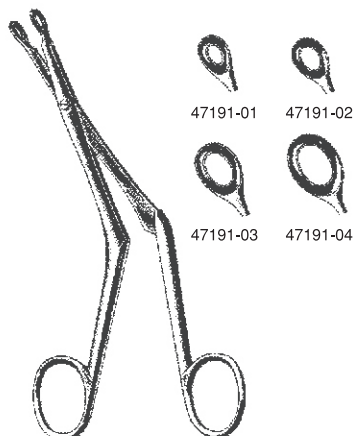
NOYES  
47171-14 - 47173-14  
14,5 cm, 5 3/4"



HEYMANN  
47181-18  
18 cm, 7"

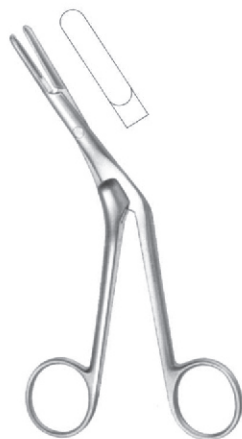


KNIGHT  
47185-18  
18 cm, 7"

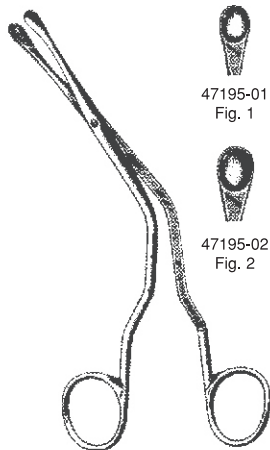


BRUENINGS  
47191-01 - 47191-04  
19 cm, 7 1/2"

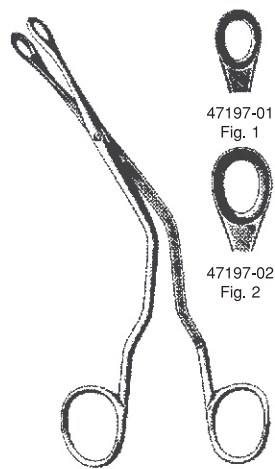
Scharfe Nasenzangen  
Nasal Cutting Forceps  
Pinzas cortantes nasales  
Pinze taglienti nasali



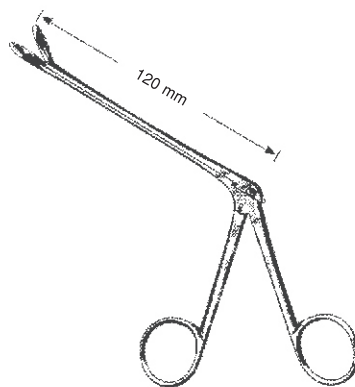
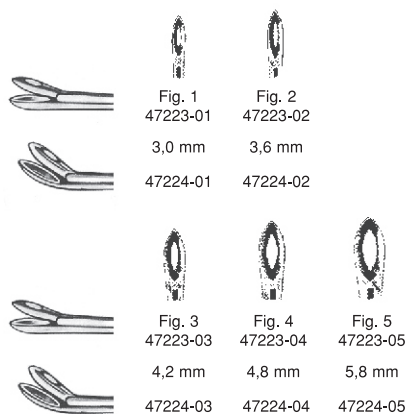
GRAIG  
47192-16  
16 cm, 6 1/4"



LUC  
47195-01 - 47195-05  
19 cm, 7 1/2"



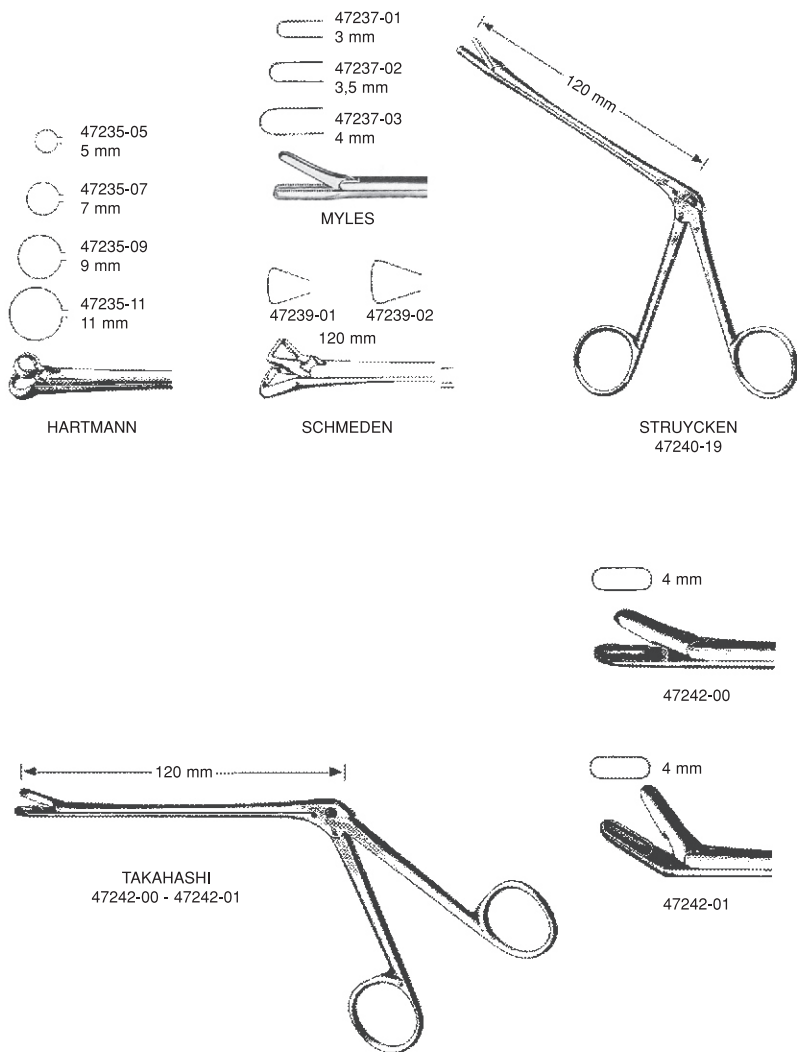
LUC  
47197-01 - 47197-02  
19 cm, 7 1/2"



WEIL-BLAKESLEY  
47223-01 - 47224-05



Scharfe Nasenzangen  
Nasal Cutting Forceps  
Pinzas cortantes nasales  
Pinze taglianti nasali

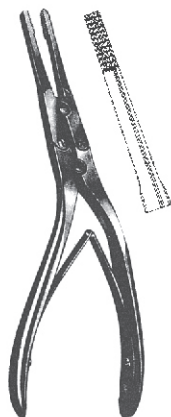


Scharfe Nasenzangen, Septumzange, Kieferhöhlenstanze

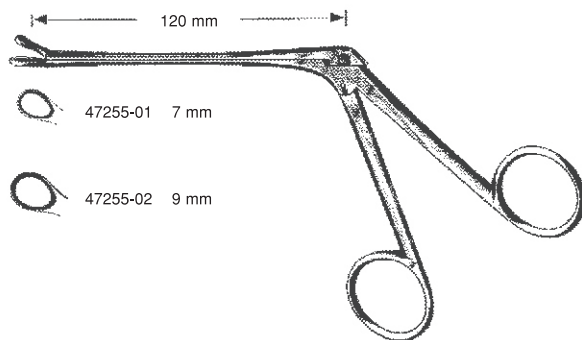
Nasal Cutting Forceps, Septum Forceps, Antrum Punch Forceps

Pinzas cortantes nasales, Pinza para magullar tabique, Pinzas cortantes para maxilares

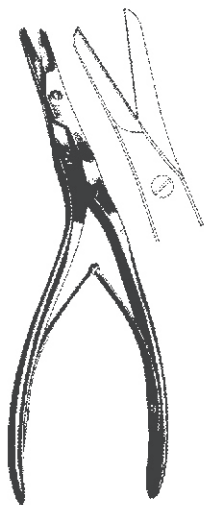
Pinze taglienti nasali, Pinza per ammaccare il setto, Pinze taglienti per seno mascellare



RUBIN  
47251-21  
21 cm, 8 1/4"



WATSON-WILLIAMS  
47255-01

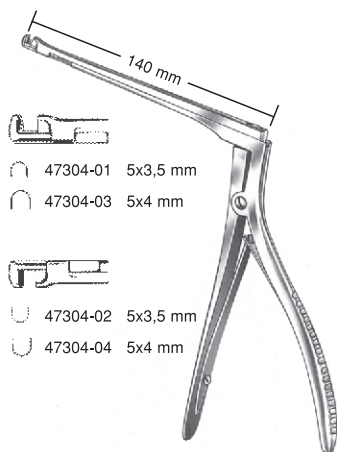


CAPLAN  
47256-20  
20 cm, 8"

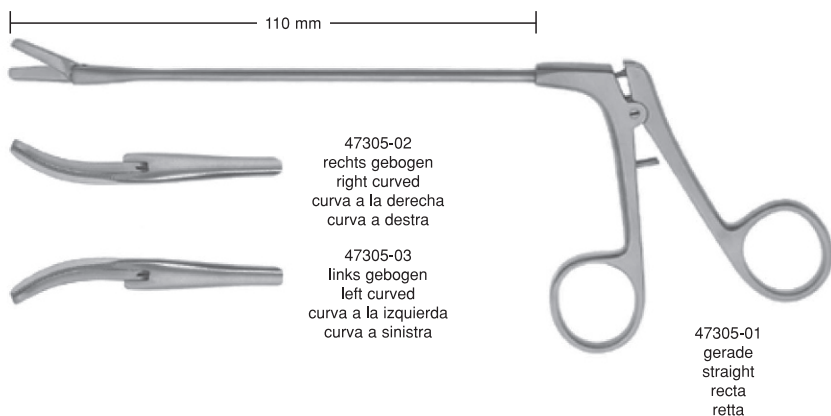


KERRISON  
3x3 mm 47303-03  
4x4 mm 47303-04  
5x5 mm 47303-05  
6x6 mm 47303-06  
17 cm, 6 3/4"

Scharfe Nasenzangen, Septumzange, Kieferhöhlenstanze  
 Nasal Cutting Forceps, Septum Forceps, Antrum Punch Forceps  
 Pinzas cortantes nasales, Pinza para magullar tabique, Pinzas cortantes para maxilares  
 Pinze taglianti nasali, Pinze sfenoidali



HAJEK-KOFLER  
 47304-01 - 47304-04



47305-02  
 rechts gebogen  
 right curved  
 curva a la derecha  
 curva a destra

47305-03  
 links gebogen  
 left curved  
 curva a la izquierda  
 curva a sinistra

47305-01  
 gerade  
 straight  
 recta  
 retta

Knochenstanze, Septumzangen

Punches, Septum Forceps

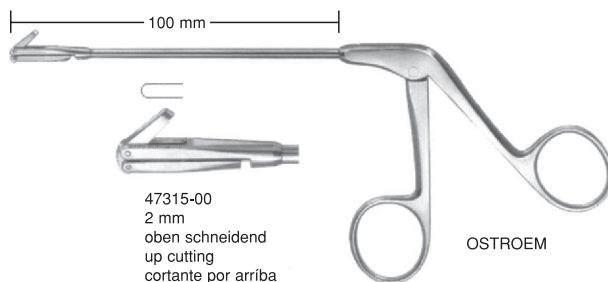
Pinzas osteótomos, Pinzas para el tabique nasal

Pinze osteotomi, Pinze per il setto nasale



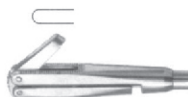
CITELLI

47311-10 1,0 mm  
47311-25 2,5 mm  
47311-30 3,0 mm



OSTROEM

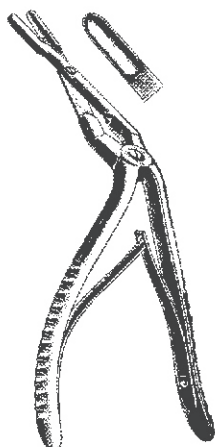
47315-00  
2 mm  
oben schneidend  
up cutting  
cortante por arriba  
tagliante in alto



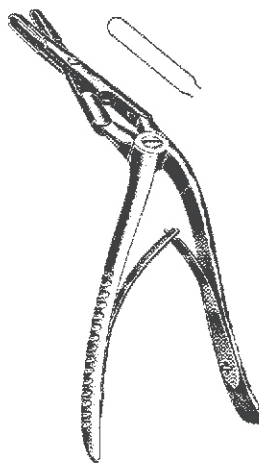
47316-00  
2 mm  
rechts schneidend  
right cutting  
cortante a la derecha  
tagliante a destra



47317-00  
2 mm  
links schneidend  
left cutting  
cortante a la izquierda  
tagliante a sinistra

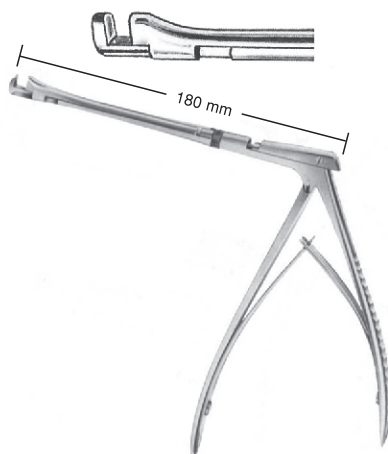


MIDDLETON-JANSEN  
47323-19  
19 cm, 7 1/2"

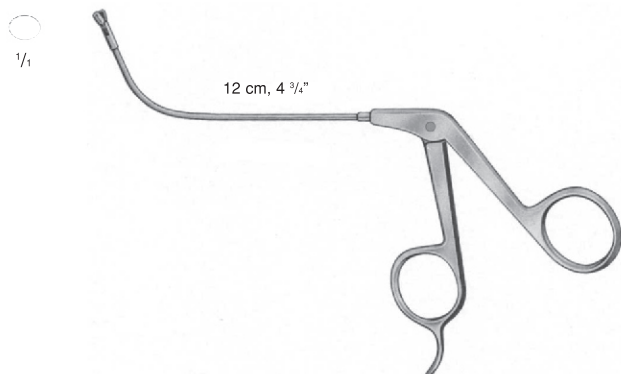


MIDDLETON-JANSEN  
47325-19  
19 cm, 7 1/2"

Sinuskopie-Zangen  
Sinuscopy forceps  
Pinzas para senoscopia  
Pinze per sinuscopeia



HAJEK-KOFLER  
47316-16  
3,5 mm



Maul  
jaw  
boca  
morso

horizontal öffnend  
horizontal cutting  
abierta horizontal  
apertura orizzontale

vertikal öffnend  
vertical cutting  
abierta vertical  
apertura verticale

65° ○ 3 mm rund  
70° ○  
90° ○ } oval  
110° ○

47317-65  
47317-70  
47317-90  
47317-11

47318-65  
47318-70  
47318-90  
47318-11

Zirkular Stanze  
Circular Forceps  
Pinza circular  
Pinze circolare

