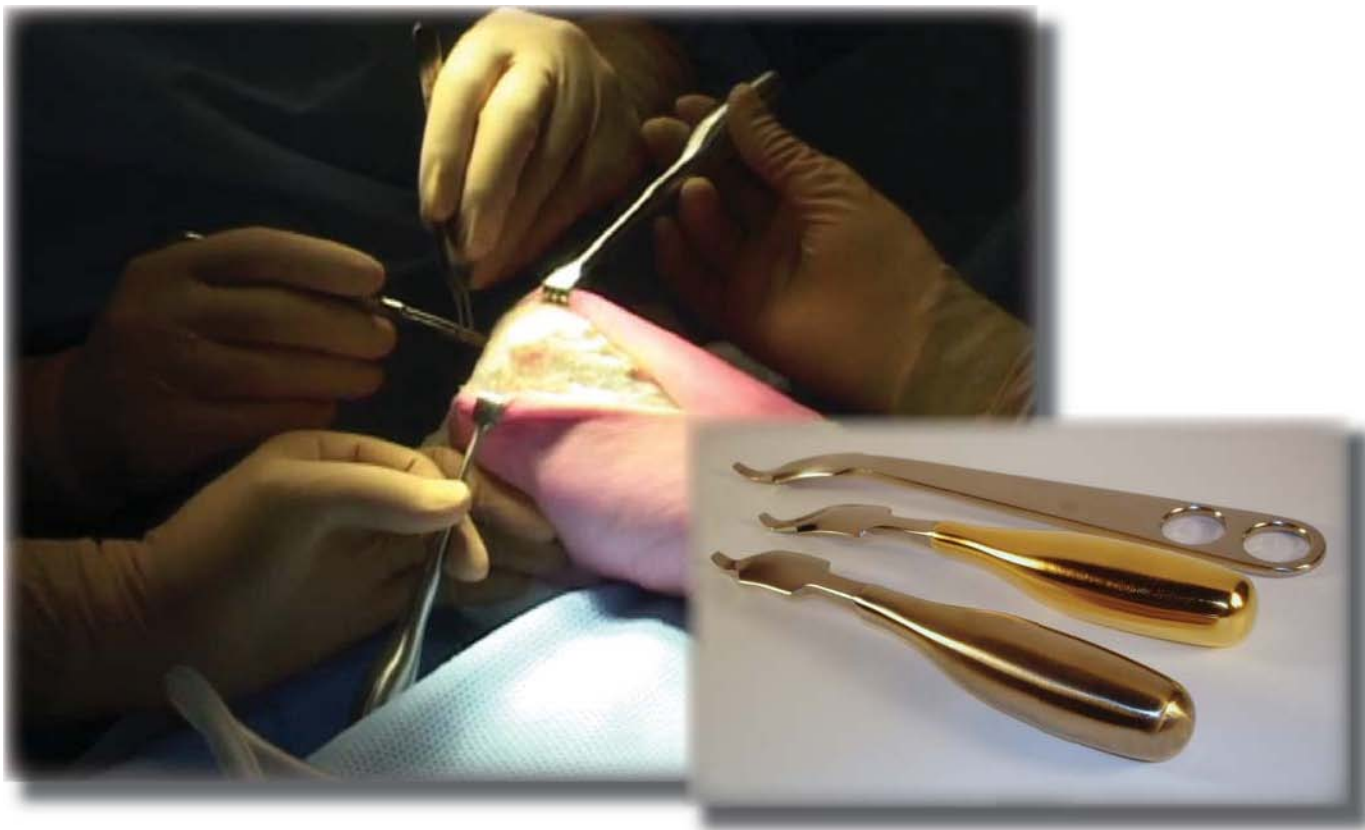


versa modis®

surgical instruments

Orthopaedic surgery



Instrumente zur Resektion

B-19826

B-19827

B-19828

B-19830

B-19832

B-19833

B-19834

B-19832—19834

B-19837

B-19837^{1/4}

B-19837^{1/2}

B-19837—19837^{1/2}

B-19826	Wundhaken, nach Kocher, mit Gittergriff
B-19827	do. " " " " in 2 Größen, Fig. 1—2
B-19828	do. " " " " " 2 " " 1—2
B-19830	do. " " " " " "
B-19832	do. " " " " " stumpf, 2zählig, weite Biegung
B-19833	do. " " " " " 3 " " "
B-19834	do. " " " " " 4 " " "
B-19837	do. " Sauerbruch, mit " 3 " " "
B-19837^{1/4}	do. " " " " " 4 " " "
B-19837^{1/2}	do. " " " " " 5 " " "

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). 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"*

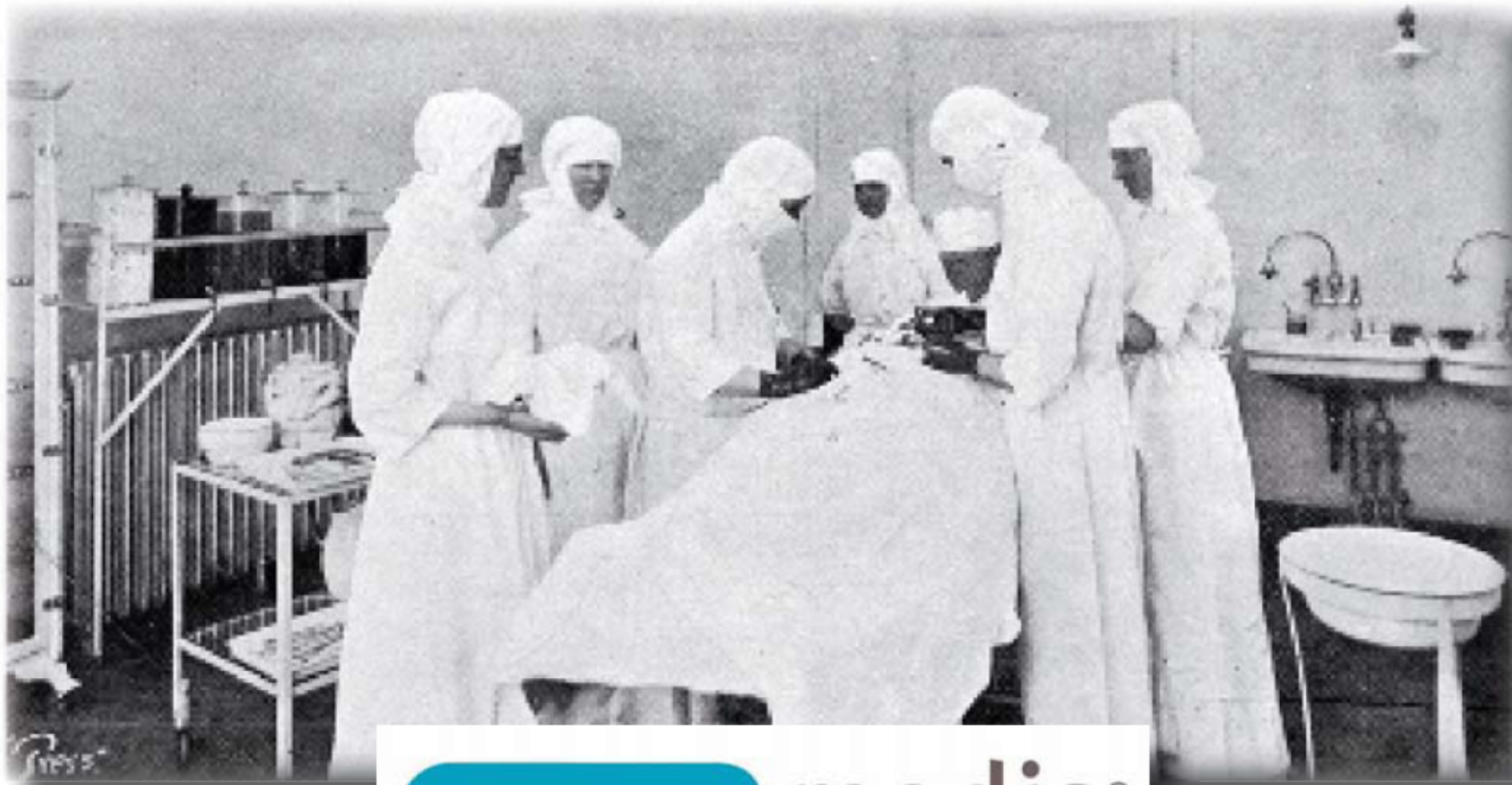


*"hope we can use these in our
hospitals"*

"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



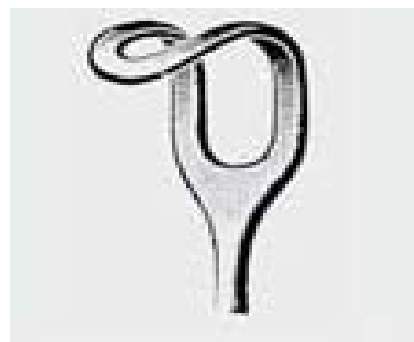
VMG-262	VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 8MM WIDE, 20CM
VMG-264	VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 10MM WIDE, 20CM
VMG-266	VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 12MM WIDE, 20CM
VMG-268	VERSAMODIS DESMARRE (CUSHING) RETRACTOR, 14MM WIDE, 20CM
VMG-270	VERSAMODIS DESMARRE (CUSHING) RETRACTOR,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



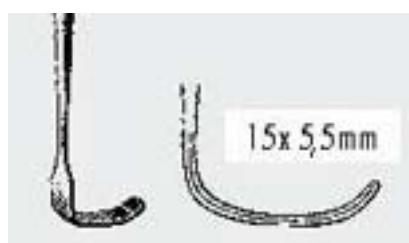
- VMG-540 VERSAMODIS RAGNELL RETRACTOR, 8MM X 4MM, 14CM
VMG-545 VERSAMODIS RAGNELL RETRACTOR, 15MM X 5.5MM, 14CM



- 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



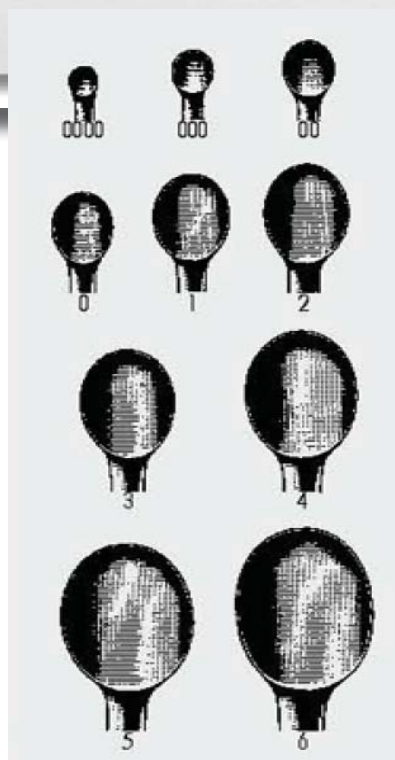
VMF-690	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 2.0CM X 10CM BLADE
VMF-692	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 3.0CM X 10CM BLADE
VMF-694	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 4.0CM X 10CM BLADE
VMF-704	VERSAMODIS BREISKY (VIENNA) VAGINAL RETRACTOR 2.0CM X 13CM BLADE
VMF-710	VERSAMODIS 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

Stößel
Hemostats
Hemostáticos
Pistoni



CASPAR
200 mm, 8"



33509-03
Ø 3 mm



33509-05
Ø 5 mm



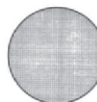
33509-08
Ø 8 mm



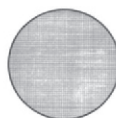
200 mm, 8"



33510-12
Ø 12 mm

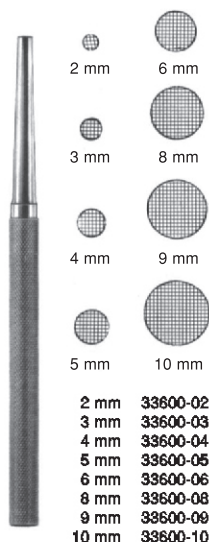


33510-14
Ø 14 mm



33510-16
Ø 16 mm

Stößel, Flachmeißel, Hohlmeißel
Hemostats, Chisels, Gouges
Hemostáticos, Cinceles, Gubias
Pistoni, scalpelli, sgorbie



16 cm, 6 1/4"

2 mm	33600-02
3 mm	33600-03
4 mm	33600-04
5 mm	33600-05
6 mm	33600-06
8 mm	33600-08
9 mm	33600-09
10 mm	33600-10



13,5 cm, 5 1/4"

4 mm	33602-04
6 mm	33602-06
8 mm	33602-08
10 mm	33602-10
12 mm	33602-12
14 mm	33602-14
16 mm	33602-16



13,5 cm, 5 1/4"

33604-04
33604-06
33604-08
33604-10
33604-12
33604-14
33604-16



13,5 cm, 5 1/4"

33605-04
33605-06
33605-08
33605-10
33605-12
33605-14
33605-16



ALEXANDER
17 cm, 6 3/4"

33610-04	4 mm
33610-06	6 mm
33610-08	8 mm
33610-10	10 mm
33610-12	12 mm
33610-14	14 mm



ALEXANDER
17 cm, 6 3/4"

33611-04	4 mm
33611-06	6 mm
33611-08	8 mm
33611-10	10 mm
33611-12	12 mm
33611-14	14 mm



PARTSCH

13,5 cm mm	17 cm, 6 3/4"
33620-02	2 33622-02
33620-03	3 33622-03
33620-04	4 33622-04
33620-05	5 33622-05
33620-06	6 33622-06
33620-07	7 33622-07
33620 08	8 33622 08



PARTSCH

13,5 cm mm	17 cm, 6 3/4"
33623-02	2 33625-02
33623-03	3 33625-03
33623-04	4 33625-04
33623-05	5 33625-05
33623-06	6 33625-06
33623-07	7 33625-07
33623 08	8 33625 08

Flachmeißel, Hohlmeißel

Chisels, Gouges

Cinceles, Gubias

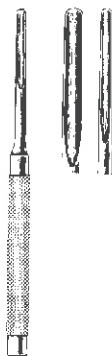
ScalPELLi, sgorbie



PASSOW
12 cm, 4 1/4"
33626-35 3,5 mm
33626-25 2,5 mm



BRÜNINGS-LUCAS
16 cm, 6 1/4"
33627-04 4 mm
33627-06 6 mm



BRÜNINGS-LUCAS
16 cm, 6 1/4"
33628-03 3 mm
33628-05 5 mm



STILLE
20 cm, 8"
33630-06 6 mm
33630-08 8 mm
33630-10 10 mm
33630-12 12 mm
33630-15 15 mm
33630-20 20 mm
33630-25 25 mm
33630-30 30 mm



STILLE
20 cm, 8"
33631-10 6 mm
33631-12 8 mm
33631-15 10 mm
33631-20 12 mm
33631-25 15 mm
33631-30 20 mm



STILLE
20 cm, 8"
33632-06 6 mm
33632-08 8 mm
33632-10 10 mm
33632-12 12 mm
33632-15 15 mm
33632-20 20 mm
33632-25 25 mm
33632-30 30 mm

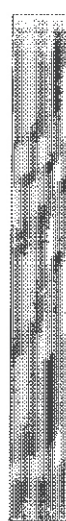


STILLE
20 cm, 8"
33633-06 6 mm
33633-08 8 mm
33633-10 10 mm
33633-12 12 mm
33633-15 15 mm
33633-20 20 mm
33633-25 25 mm
33633-30 30 mm



STILLE
20 cm, 8"
33634-06 6 mm
33634-08 8 mm
33634-10 10 mm
33634-12 12 mm
33634-15 15 mm
33634-20 20 mm
33634-25 25 mm
33634-30 30 mm

Osteotome, Hohlmeißel
Chisels, Gouges
Cinceles, Gubias
ScalPELLi, sgorbie



SMITH-PETERSEN
20 cm, 8"

6 mm	33644-06	33645-06	33647-06	
9 mm	33644-09	33645-09	33647-09	33649-09
13 mm	33644-13	33645-13		
14 mm			33647-14	33649-14
16 mm	33644-16	33645-16	33647-16	33649-16
19 mm	33644-19	33645-19	33647-19	33649-19
25 mm	33644-25	33645-25	33647-25	33649-25
32 mm	33644-32	33645-32	33647-32	33649-32

LAMBOTTE
24 cm, 9 1/2" 23 cm, 9"

33650-04	4 mm	33651-04
33650-06	6 mm	33651-06
33650-08	8 mm	33651-08
33650-10	10 mm	33651-10
33650-13	13 mm	33651-13
33650-16	16 mm	33651-16
33650-18	18 mm	33651-18
33650-20	20 mm	33651-20
33650-25	25 mm	33651-25
33650-30	30 mm	33651-30
33650-38	38 mm	33651-38
33650-44	44 mm	33651-44
33650-50	50 mm	33651-50

Osteotome, Hohlmeißel
Chisels, Gouges
Cinceles, Gubias
Scalpelli, sgorbie



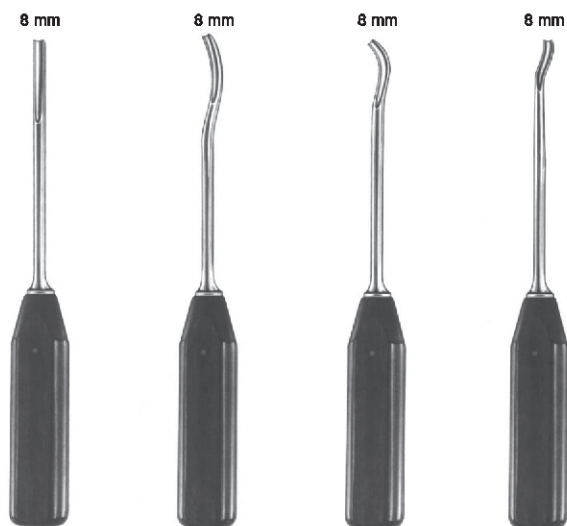
MINI-LAMBOTTE

2 mm	3 mm	4 mm	12,5 cm, 5"	mm	17 cm, 6 3/4"
			33654-02	2	33652-02
			33654-03	3	33652-03
			33654-04	4	33652-04
			33654-06	6	33652-06
			33654-08	8	33652-08
			33654-10	10	33652-10
			33654-12	12	33652-12
			33654-15	15	33652-15

6 mm 8 mm 10 mm

12 mm 15 mm

Hohlmeißel mit Ferrozellgriff
Gouges with Ferrozell-Handle
Gubias con mango de Ferrozell
Sgorbie con manico di Ferrozell



COBB
28 cm, 11"
33656-28

COBB
28 cm, 11"
33657-28

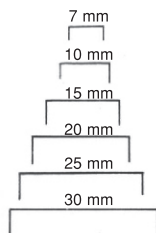
COBB
28 cm, 11"
33658-28

COBB
28 cm, 11"
33659-28

Osteotome, Hohlmeißel mit Ferrozell-Griff
Chisels and Gouges with Ferrozell-Handle
Gubias con mango de Ferrozell
Osteotomo, con manico di Ferrozell



LEXER
22 cm, 8 3/4"



33660-07	7 mm	33661-07
33660-10	10 mm	33661-10
33660-15	15 mm	33661-15
33660-20	20 mm	33661-20
33660-25	25 mm	33661-25
33660-30	30 mm	33661-30

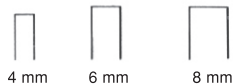
7 mm
10 mm
15 mm
20 mm
25 mm
30 mm



LEXER
22 cm, 8 3/4"



LEXER MINI
18 cm, 7"



10 mm 12 mm

33664-04	4 mm	33665-04
33664-06	6 mm	33665-06
33664-08	8 mm	33665-08
33664-10	10 mm	33665-10
33664-12	12 mm	33665-12



10 mm 12 mm



LEXER MINI
18 cm, 7"

**Flachmeißel
Chisels
Cinceles
Scalpelli**



20 mm

33665-24
24,5 cm, 9 3/4"



16 mm

33665-26
26,5 cm, 10 1/2"



ZIELKE 23 cm, 9"
33665-55 5,5 mm
33665-90 9,0 mm



9 mm

22 cm, 8 3/4"
33666-22



5 mm

10 mm

15 mm

25 cm, 10"
33669-05 5 mm **33670-05**
33669-10 10 mm **33670-10**
33669-15 15 mm **33670-15**

**Hohlmeißel mit NOVOTEX-Griff
Gouges with Novotex-Handle
Gubias con mango de Novotex
Sgorbie con manico di Novotex**

Flachmeißel, Hohlmeißel
Chisels, Gouges
Cinceles, Gubias
ScalPELLi, Sgorbie



Hoke

14 cm, 5 1/2"

33668-03	3 mm
33668-05	5 mm
33668-06	6 mm
33668-08	8 mm
33668-09	9 mm



Hibbs

24 cm, 9 1/2"

33670-06	6 mm
33670-09	9 mm
33670-13	13 mm
33670-16	16 mm
33670-19	19 mm
33670-25	25 mm
33670-32	32 mm



Hibbs

24 cm, 9 1/2"

33671-06	6 mm
33671-09	9 mm
33671-13	13 mm
33671-16	16 mm
33671-19	19 mm
33671-25	25 mm
33671-32	32 mm



Hibbs

24 cm, 9 1/2"

33672-06	6 mm
33672-09	9 mm
33672-13	13 mm
33672-16	16 mm
33672-19	19 mm
33672-25	25 mm
33672-32	32 mm



Hibbs

24 cm, 9 1/2"

33673-06	6 mm
33673-09	9 mm
33673-13	13 mm
33673-16	16 mm
33673-19	19 mm
33673-25	25 mm
33673-32	32 mm



Hibbs

24 cm, 9 1/2"

33675-06	6 mm
33675-09	9 mm
33675-13	13 mm
33675-16	16 mm
33675-19	19 mm
33675-25	25 mm
33675-32	32 mm

**Hämmer
Bone Hammers and Mallets
Martillos y mazos
Martelli**

Ø 30 mm



COTTLE
18 cm, 7" 240 g
33700-05

Ø 40 mm



HEATH
18 cm, 7" 700 g
33700-06

Ø 40 mm



OMBREDANNE
25 cm, 10" 700 g
33700-07

Ø 27 mm



HAJEK
21 cm, 8 1/4" 140 g
33700-08

Raspatorien
Periosteal Elevators
Periostótomos
Periostotomi

12,5 mm



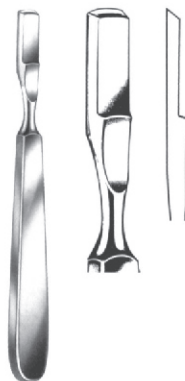
FARABEUF
33702-15
15 cm, 5.9"

12,5 mm



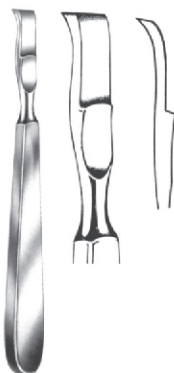
FARABEUF
33703-15
15 cm, 5.9"

11 mm

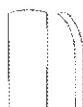


FARABEUF-COLLIN
33704-01
15,5 cm, 6"

11 mm



FARABEUF-COLLIN
33704-02
15,5 cm, 6"



LAMBOTTE
21 cm, 8 1/4"

33705-05 5 mm
33705-10 10 mm
33705-15 15 mm
33705-20 20 mm
33705-25 25 mm

18 mm

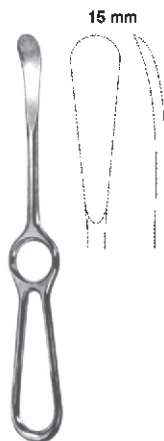


SEDILLOT
18 cm, 7"
33706-18

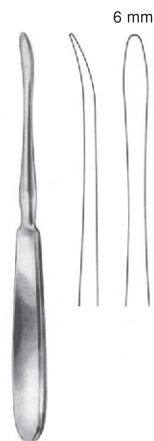
Raspatorien
Periosteal Elevators
Periostótomos
Periostotomi



SEBILEAU
17,5 cm, 7"
33707-17



SEDILLOT
21 cm, 8 1/4"
33709-21



QUERVAIN
19,5 cm, 7 3/4"
33708-19



LANGENBECK
19 cm, 7 1/2"
33710-19



LANGENBECK
18 cm, 7"
33711-18



LANGENBECK
20 cm, 8"
33711-20 8 mm
33711-21 10 mm

**Raspatorien, Elevatoren
Raspatories, Elevators
Periostótomos, Elevadores
Periostotomi, Elevatori**

4 mm



WILLIGER
33711-16
16 cm, 6 1/4"

6,5 mm



WILLIGER
33712-16
16 cm, 6 1/4"

5 mm



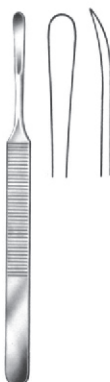
WILLIGER
33713-16
16 cm, 6 1/4"

5,5 mm

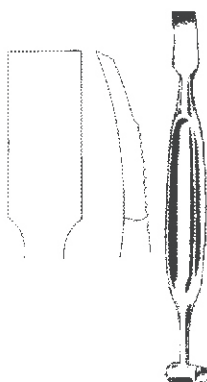


WILLIGER
33713-17
17 cm, 6 3/4"

5 mm



KÖNIG
33714-15
15,5 cm, 6"

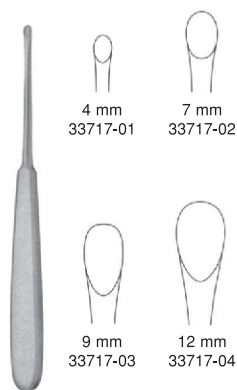


ALEXANDER
33715-20
20 cm, 8"

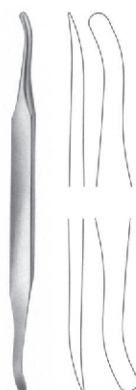


MOLT
33716-18
18 cm, 7"

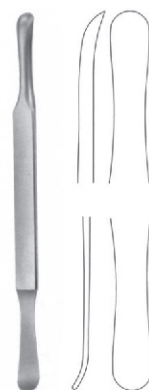
Raspatorien, Elevatoren
Raspatories, Elevators
Periostótomos, Elevadores
Periostotomi, Elevatori



WIBERG
17 cm 6 3/4"



SELDIN
33717-19-01
19,5 cm 7 3/4"



SELDIN
33717-19-02
19,5 cm 7 3/4"



JOSEPH
33718-16
16 cm, 6 1/4"



FOMON
33719-17
17 cm, 6 3/4"



BOIES
33720-19
19 cm, 7 1/2"

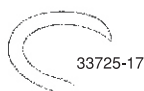


GORNEY
33720-21
21 cm, 8 1/4"

Raspatorien, Elevatoren
 Periosteal Elevators
 Periostótomos, Elevadores
 Periostotomi, Elevatori



33721-17



33725-17

DOYEN
 17 cm
 6 3/4"



33723-17



33727-17

DOYEN
 17 cm
 6 3/4"



DOYEN
 33728-24 33729-24
 24 cm 9 1/2"



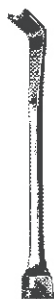
SEMB
 33729-01 -
 33729-07

12 mm



33729-01
 17,5 cm
 7"

12 mm



33729-02
 21 cm
 8 1/4"

12 mm



33729-03
 17,5 cm
 7"

13 mm



33729-04
 21 cm
 8 1/4"

15 mm



33729-05
 20,5 cm
 8"

15 mm



33729-06
 20,5 cm
 8"



33729-07
 22,5 cm
 8.9"

Elevatoren, Raspatoren
Elevators, Raspatories
Elevadores, Periostótomos
Elevatori, Periostotomi



MATSON-ALEXANDER
33731-22



MATSON
33733-22
22 cm, 8 3/4"



OVERHOLT
33735-29
29,5 cm, 11 1/2"



OVERHOLT
33737-29
29,5 cm, 11 1/2"



OVERHOLT
33739-28
28,5 cm, 11 1/4"



33740-19
19 cm, 7 1/2"



33741-18
18,5 cm, 7 1/4"

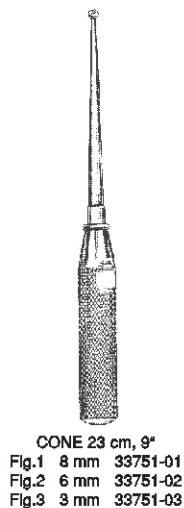
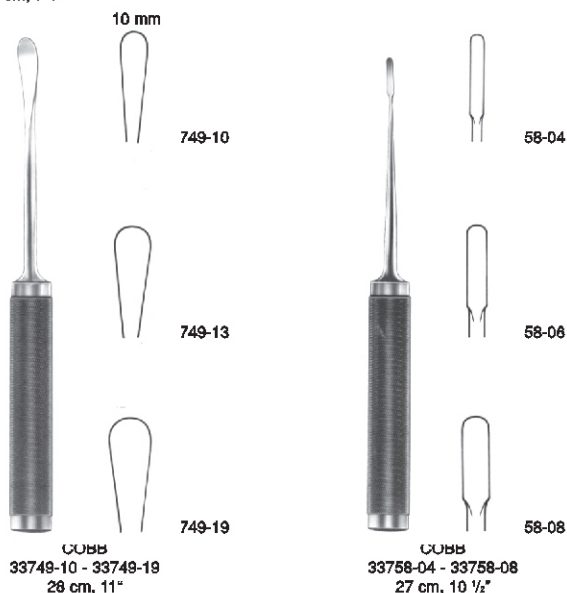
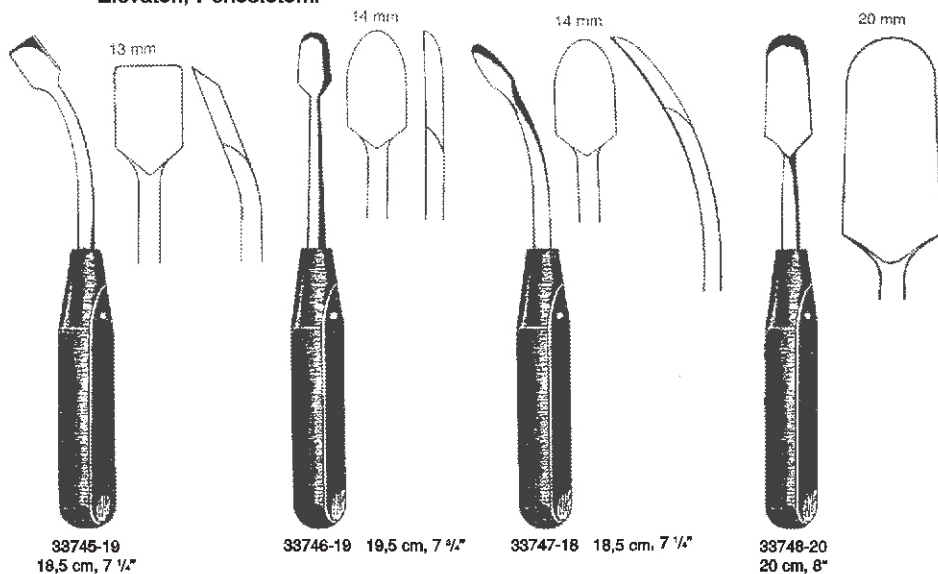


33742-18
18,5 cm, 7 1/4"



33743-18
18,5 cm, 7 1/4"

Elevatoren, Raspatoren
Elevators, Raspatories
Elevadores, Periostótomos
Elevatori, Periostotomi



Elevatoren
Elevators
Elevadores
Elevatori

scharf
sharp
cortante
tagliente



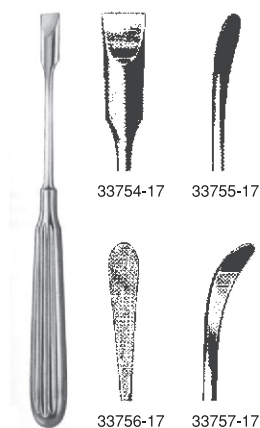
SAYRE
17 cm, 6 ³/₄"
33758-01

stumpf
blunt
romo
smusso

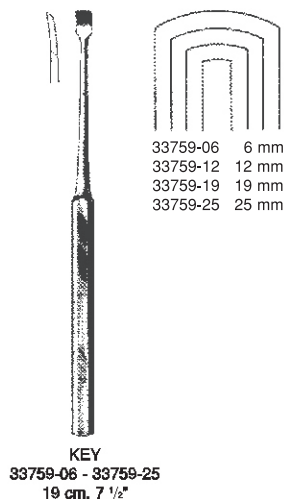
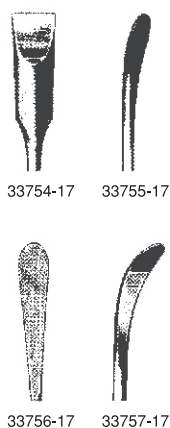


SAYRE
17 cm, 6 ³/₄"
33758-02

Elevatoren, Knochenhebel
Elevators, Bone Levers
Elevadores para huesos
Elevatori, Elevatori per ossa



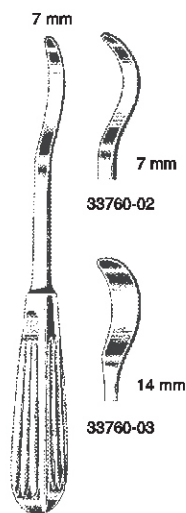
ADSON
17 cm, 6 3/4"



KEY
33759-06 - 33759-25
19 cm, 7 1/2"



CHANDLER
33763-01 19,0 cm 7 1/8"
33763-02 20,3 cm 8"
33763-03 22,9 cm 9"
33763-04 25,4 cm 10"



CREGO
33760-01
20 cm, 8"



ALDERDYCE
33761-21
21 cm, 8 1/4"

Elevatoren, Knochenhebel
Elevators, Bone Levers
Elevadores para huesos
Elevatori, Elevatori per ossa



WATSON-CHEYNE
33765-17
17,5 cm, 7"



MC DONALD
33767-19
19 cm, 7 1/2"



MURPHY-LANE
33769-30
30 cm, 11 3/4"



BENNETT
33771-71
65x260 mm



BENNETT
33771-73
45x260 mm

Knochenhebel
Bone Levers
Elevadores para huesos
Elevatori per ossa



HOHMANN
33801-08 8 mm
33801-12 12 mm



HOHMANN
33801-18
18 mm, 3/4"



HOHMANN
33801-43
43 mm, 1 3/4"



HOHMANN
33801-70
70 mm, 2 3/4"



KÖNIG
33802-01
15 cm, 6"



KÖNIG
33802-02
15 cm, 6"



33802-14
14 cm, 5 1/2"

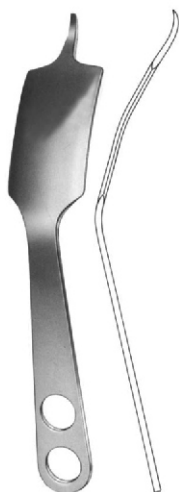


33803-05
15 cm, 6"

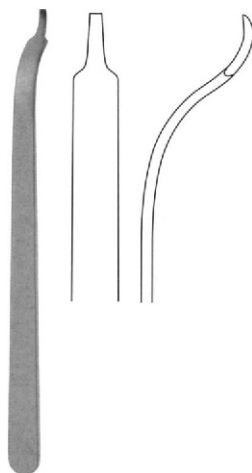


33803-07
15 cm, 6"

Knochenhebel
Bone Levers
Elevadores para huesos
Elevatori per ossa



HOHMANN
33803-43
43 mm



BUCK-GRAMCKO
33804-15
15 mm



HOHMANN
33805-22
22 mm



HOHMANN
33805-33
33 mm

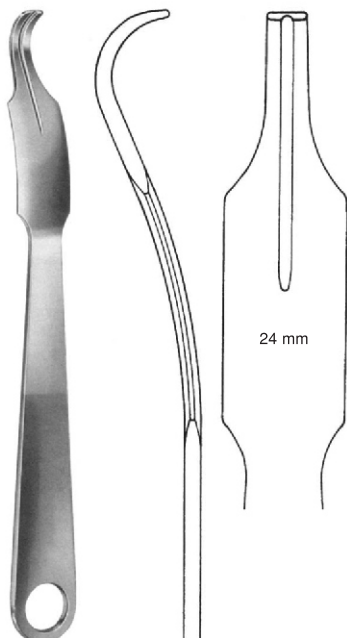


HOHMANN
33807-24
24 mm



HOHMANN
33809-22
22 mm

Knochenheber
Bone Levers
Elevadores para huesos
Elevatori per ossa



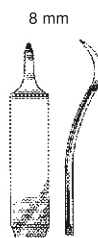
LANGE-HOHMANN
33810-24
25 cm, 10"



HOHMANN mini
16 cm, 6 1/4"



33811-06

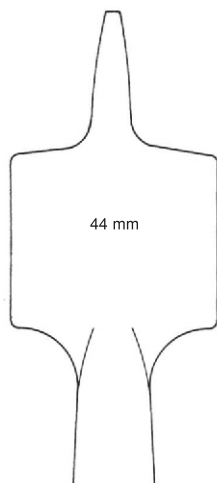
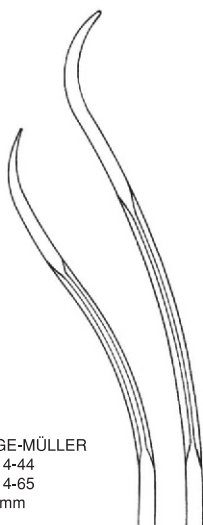


33811-08

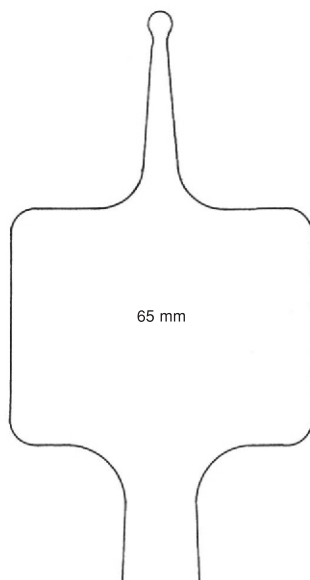
Knochenhebel
Bone Levers
Elevadores para huesos
Elevatori per ossa



VERBRUGGE-MÜLLER
33814-44
33814-65
24 mm

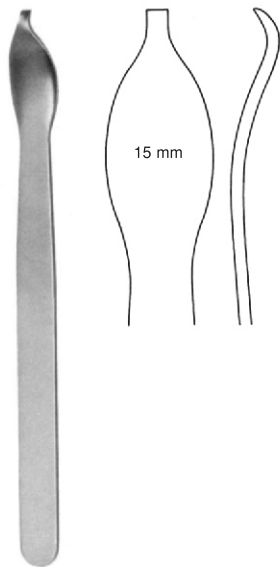


44 mm



65 mm

Knochenheber
Bone Levers
Elevadores para huesos
Elevatori per ossa



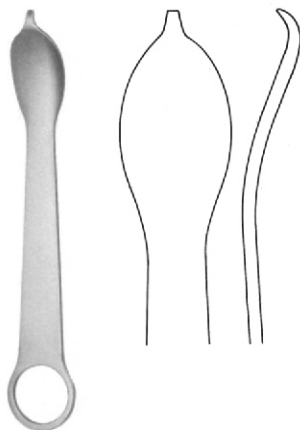
33812-16
16 cm, 6 1/4"



BLOUNT
33823-26
26 cm, 10 1/4"

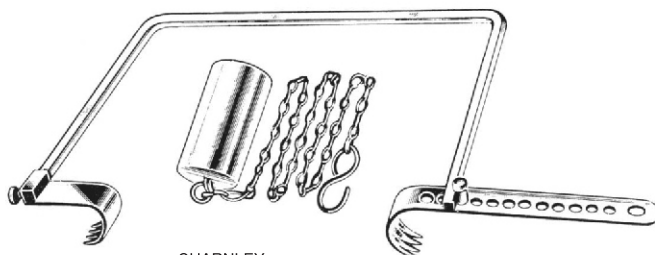


BLOUNT
33825-26
26 cm, 10 1/4"



33813-12
12 cm, 4 3/4"

Knochenhebel, Meniskushaken
 Bone Levers, Meniscus Retractors
 Elevadores p. huesos, Separadores para menisco
 Elevatori per ossa, Divaricatori per il menisco

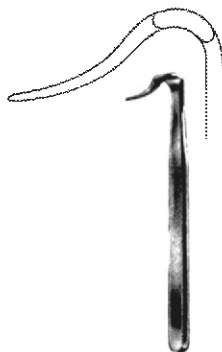


CHARNLEY
 33826-00

- 33826-01 spitz, gerieft
 pointed tip, serrated
 puntiagula, dentada
 punta acuta, zigrinata
- 33826-02 stumpf, gerieft
 blunt tip, serrated
 punta roma, dentada
 punta smussa, zigrinata
- 33826-03 stumpf, glatt
 blunt tip, smooth
 punta roma, lisa
 punta smussa, liscia



AUFRANC
 26 cm 10 1/4"



BLOUNT
 33827-17
 17,5 cm 7"

Knochenheber, Meniskushaken
 Bone Levers, Meniscus Retractors
 Elevadores p. huesos, Separadores para menisco
 Elevatori per ossa, Divaricatori per il menisco



TAYLOR

16,5 cm, 6 1/2"

33831-16 75x30 mm

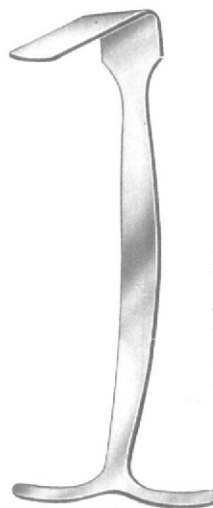
33833-16 100x30 mm



12 x 13 mm
 33832-01



52 x 13 mm
 33832-02



32 x 19 mm
 33832-03

48 x 19 mm
 33832-04

57 x 19 mm
 33832-05

SMILLIE
 14 cm, 5 1/2"