



**BROMED**  
INSTRUMENTS

Das Instrument.



*Chirurgische Instrumente Katalog*

**Implantologie**

*Catalogue des instruments chirurgicaux*

**Implantologie**

*Catálogo de instrumentos quirúrgicos*

**Implantología**

*Catalogo di strumenti chirurgici*

**Implantologia**

*Catalogue of Surgical Instruments*

**Implantology**



**BROMED**  
INSTRUMENTS



# Dental Implantology



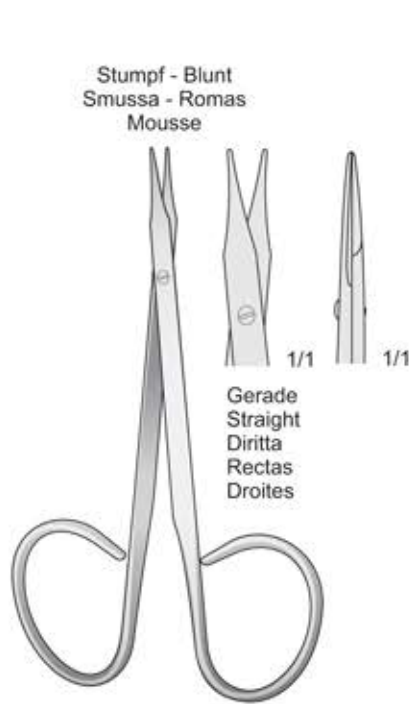
**Dental Implantology**

Zahnärztliche Implantologie

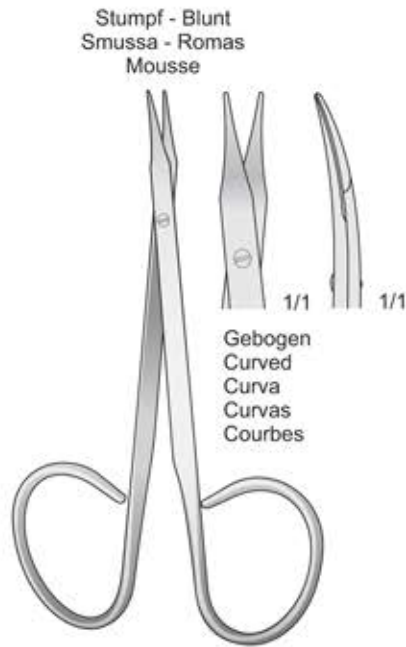
Implantologie dentaire

Implantología dental

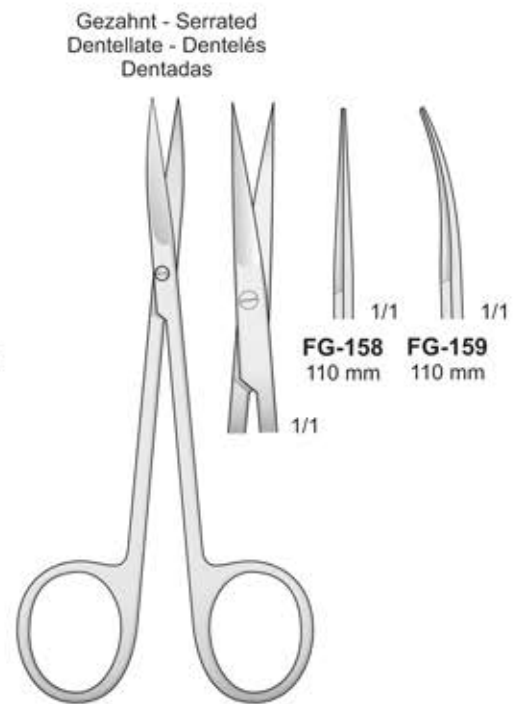
Implantologia dentale



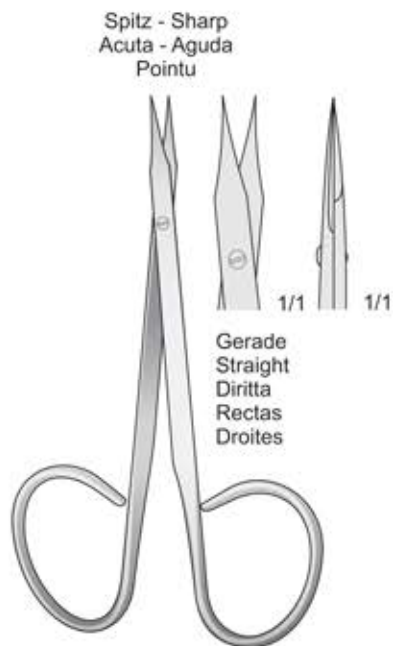
STEVENS  
**FG-209**  
100 mm



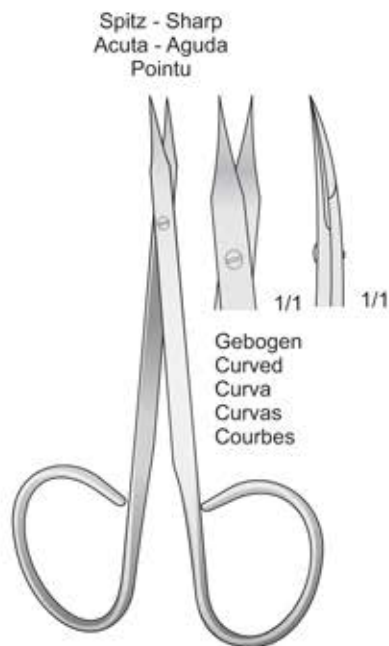
STEVENS  
**FG-210**  
100 mm



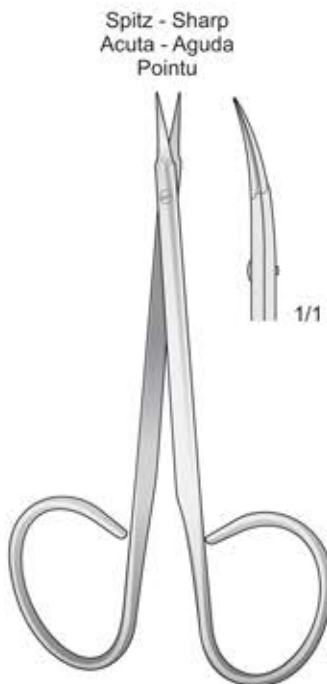
**FG-158/FG-159**  
110 mm



WALTON  
**FG-211**  
100 mm

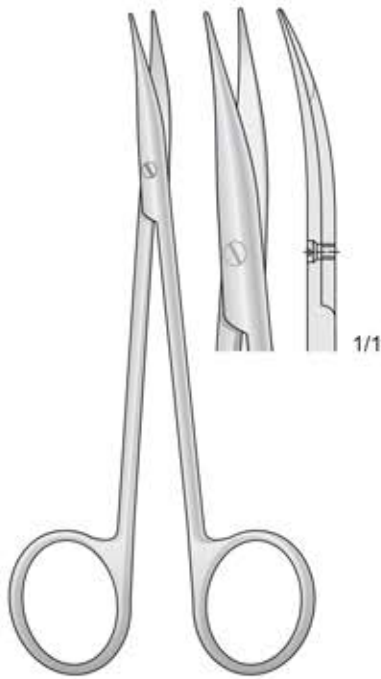


WALTON  
**FG-212**  
100 mm

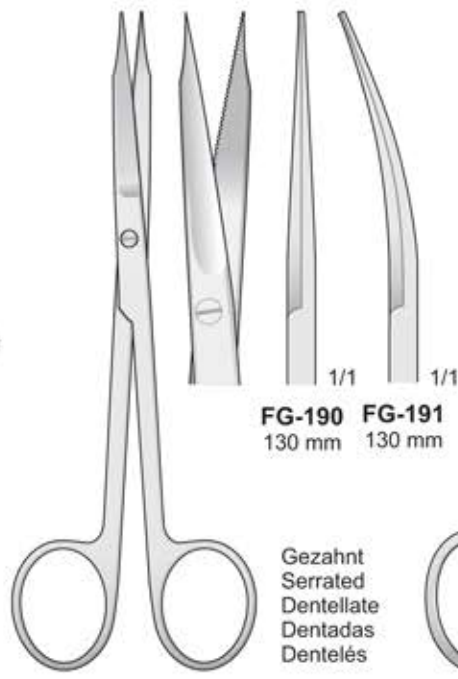


STITCH  
**FG-216**  
115 mm

Spitz - Sharp - Acuta - Agudo - Aigu

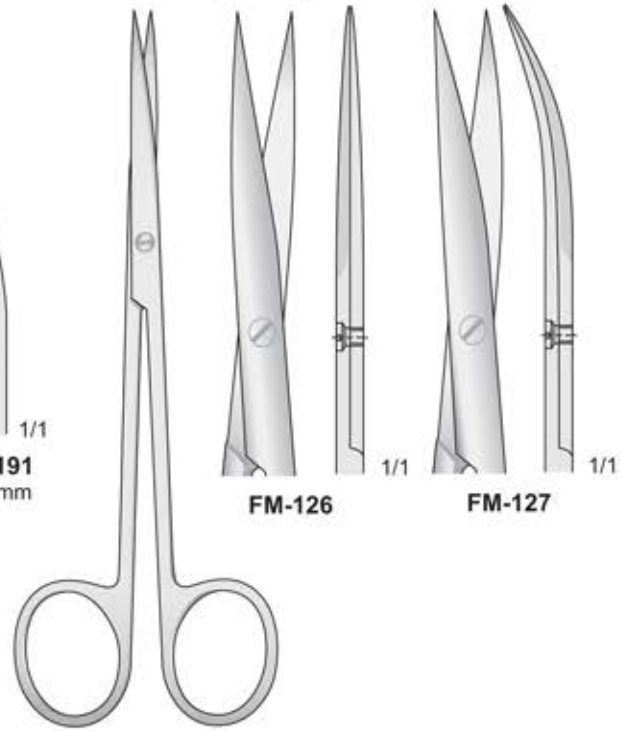


**JAMESON-WERBER**  
**FG-123**  
130 mm



**GOLDMAN-FOX**  
**FG-190/FG-191**  
130 mm

Gezahnt  
Serrated  
Dentellate  
Dentadas  
Dentelés

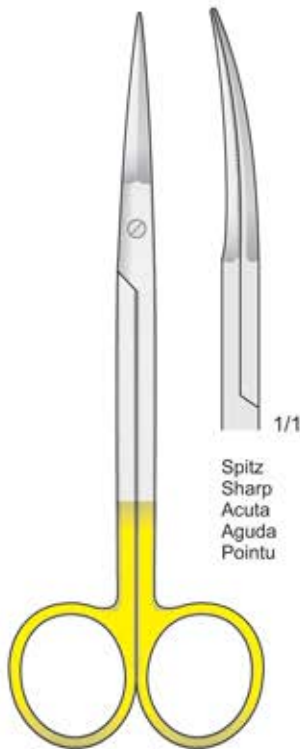


**METZENBAUM**  
**FM-126/FM-127**  
145 mm



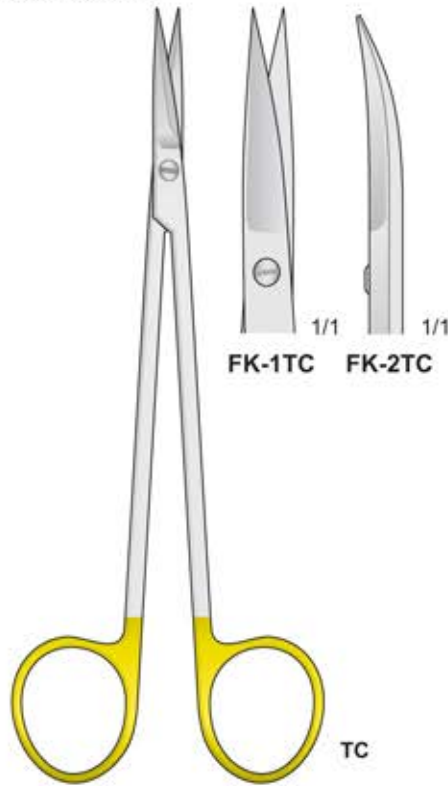
**Tungsten-Carbide Inserts**

Mit Hartmetalleinsätzen  
Plaquettes en carbure de tungstène  
Plaquetas de carburo de tungsteno  
Inserti in carburo di tungsteno



**PECK-JOSEPH**  
**FG-92**  
140 mm

Spitz  
Sharp  
Acuta  
Aguda  
Pointu

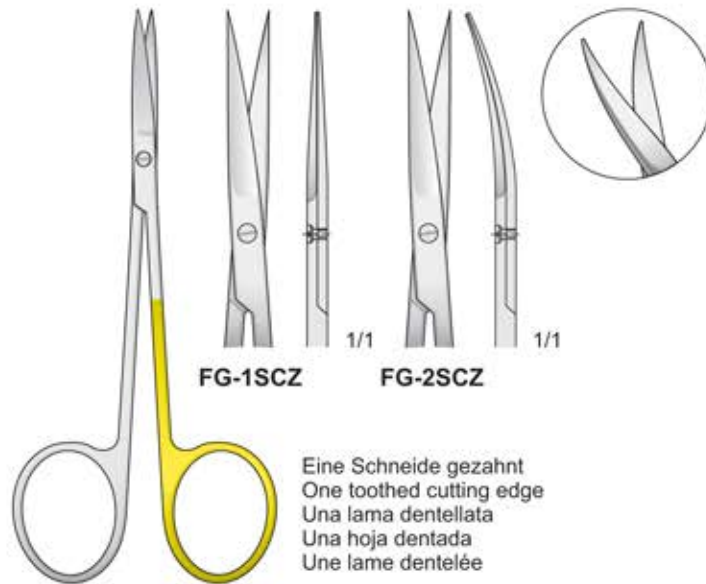


**KELLY**  
**FK-1TC/FK-2TC**  
160 mm

TC

TC

"Super-cut" Scheren micro-schliff für tissue atrauma  
 "Super-cut" scissors for gripping tissue and cutting interproximally  
 Forbici "Super-cut" estremamente taglienti per tessuti con riduzione del trauma  
 Tijeras "Super-cut" para cortar tissue-atrauma  
 Ciseaux "Super-cut" coupe les tissus en reduisant les risques de traumatisme

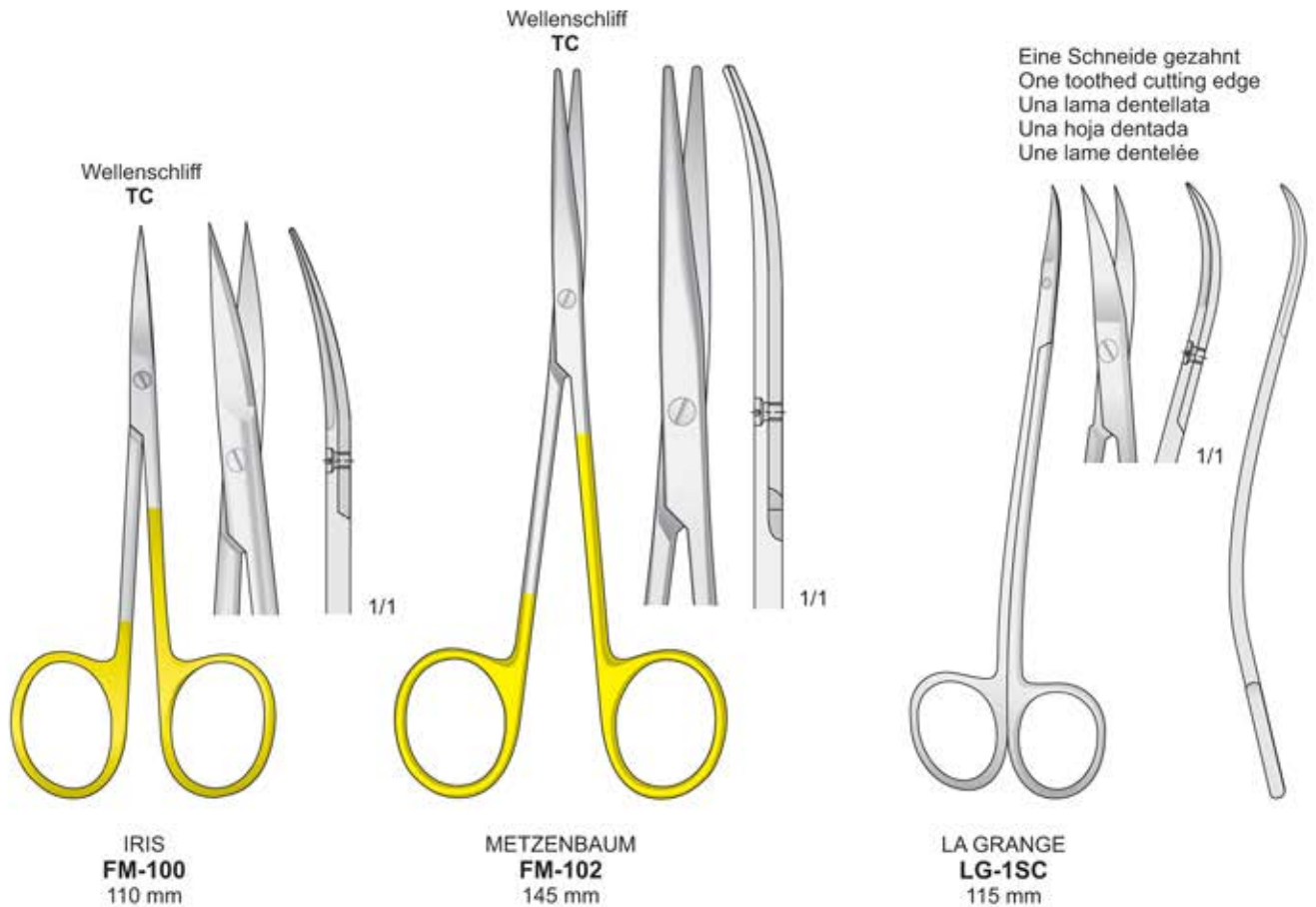


**FG-1SCZ**      **FG-2SCZ**

Eine Schneide gezahnt  
 One toothed cutting edge  
 Una lama dentellata  
 Una hoja dentada  
 Une lame dentelée

**FG-1SCZ/FG-2SCZ**  
 110 mm

Scheren mit Wellenschliff auf einer Schnittfläche  
 Scissors cut one serrated cutting edge  
 Forbici con taglio ondulato su una lama - Tijeras con onda afilados  
 Ciseaux avec affutage spécial ont une lame dentée



Wellenschliff  
**TC**

Wellenschliff  
**TC**

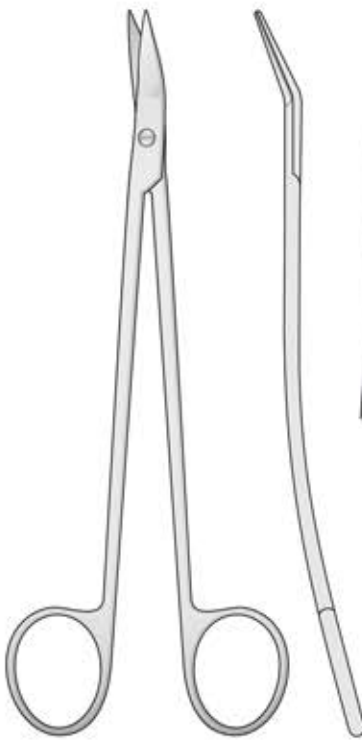
Eine Schneide gezahnt  
 One toothed cutting edge  
 Una lama dentellata  
 Una hoja dentada  
 Une lame dentelée

**IRIS**  
**FM-100**  
 110 mm

**METZENBAUM**  
**FM-102**  
 145 mm

**LA GRANGE**  
**LG-1SC**  
 115 mm

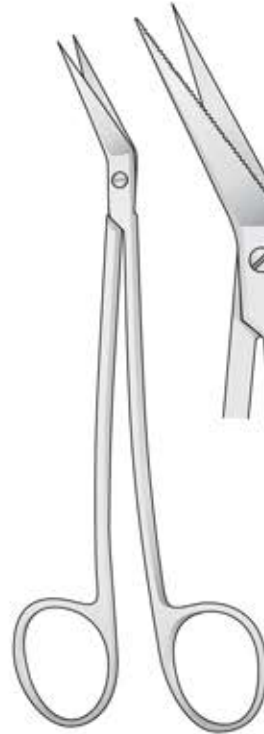
Eine Schneide gezahnt - One toothed cutting edge  
 Una lama dentellata - Una hoja dentada - Une lame dentelee



**DEAN**  
**DEAN**  
 180 mm



1/1 1/1



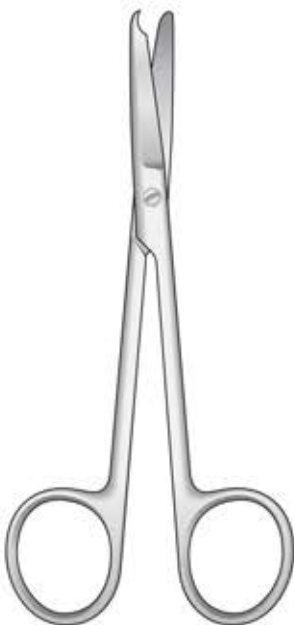
**LOCKLIN**  
**LK-2**  
 160 mm



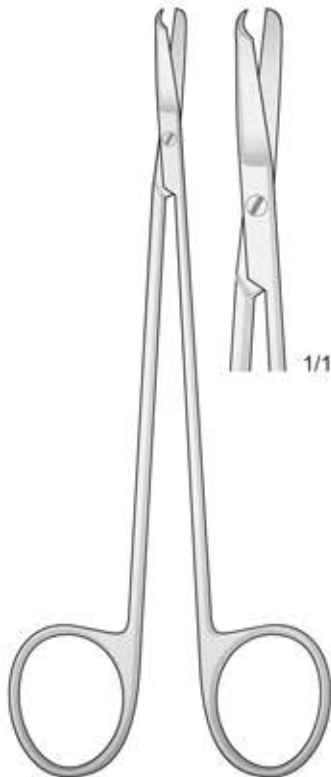
1/1

Drahtschere  
 Wire Cutting Scissors  
 Forbici per fili  
 Tijeras para Alambre  
 Ciseaux à fils

Ligaturscheren - Suture Scissors  
 Forbici per sutura - Tijeras para fura ligaduras  
 Ciseaux pour sutures



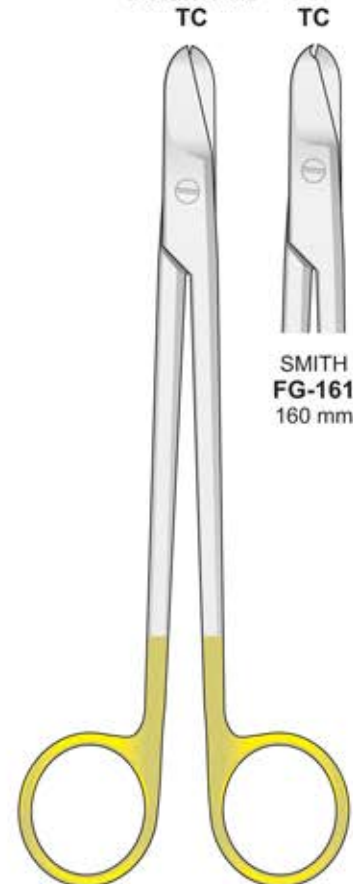
**SPENCER**  
**SC-14**  
 120 mm



**KELLY**  
**SC-16**  
 150 mm



1/1



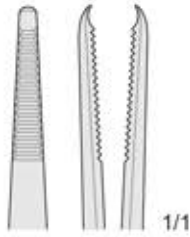
**SMITH**  
**FG-160**  
 160 mm



**SMITH**  
**FG-161**  
 160 mm



**BD-270**  
130 mm



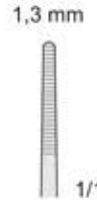
1/1



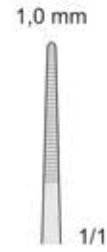
**BD-351/BD-356**



**BD-351**  
125 mm



**BD-352**  
150 mm



**BD-353**  
175 mm



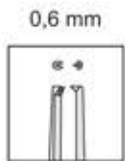
**BD-354**  
125 mm



**BD-355**  
150 mm



**BD-356**  
175 mm



0,6 mm



**BISHOP-HARMON**  
**MF-177**  
85 mm



**CORN**  
**DA-07**  
150 mm

Nahtpinzetten  
zum Halten von Gewebe  
und Membranen  
Suture Pliers  
for holding Tissue  
and Membranes  
Pinzette per sutura  
per tenere fermi  
tessuti e membrane  
Pinzas de sutura  
para sostener  
tejidos y membranas  
Pince de suture  
pour le maintien de  
tissus et de membranes

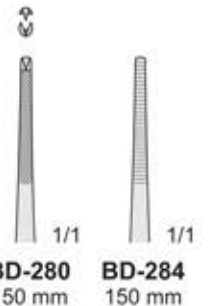


**BD-158/BD-159**  
160 mm

Ø Int 1.6 mm  
1/1  
**BD-158**

Ø Int 2.2 mm  
1/1  
**BD-159**

Nahtpinzetten  
Suture Pliers  
Pinzette per sutura  
Pinzas de sutura  
Pince à suture



**BD-280**  
150 mm

**BD-284**  
150 mm



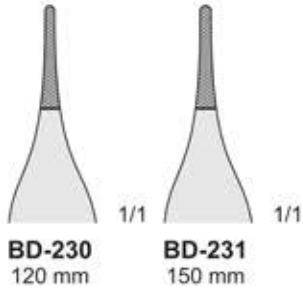
**GILLIES**  
**BD-280/BD-284**  
150 mm





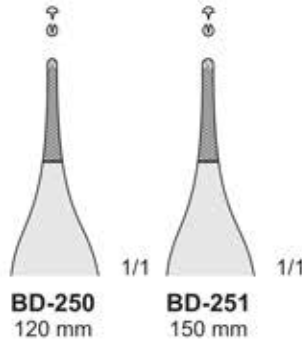
**Tungsten-Carbide Inserts**  
Mit Hartmetalleinsätzen  
Plaquettes en carbure de tungstène  
Plaquetas de carburo de tungsteno  
Inserti in carburo di tungsteno

**Mikro diamantiertes Maul**  
Micro Diamond Jaw  
Micro punta diamantata  
Micro boca diamantada  
Micro mors diamanté



**BD-230**  
120 mm

**BD-231**  
150 mm



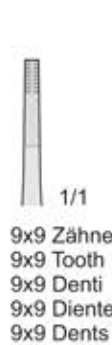
**BD-250**  
120 mm

**BD-251**  
150 mm



1/1  
1x2 Zähne  
1x2 Tooth  
1x2 Denti  
1x2 Dientes  
1x2 Dents

**CASTROVIEJO**  
**BD-348** 0.9 mm  
120 mm



1/1  
9x9 Zähne  
9x9 Tooth  
9x9 Denti  
9x9 Dientes  
9x9 Dents

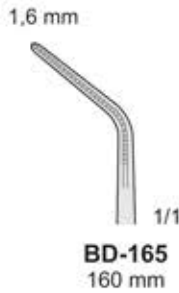
**BROWN**  
**BD-349**  
120 mm



**BD-160**  
160 mm



**BD-161**  
180 mm



**BD-165**  
160 mm



**BD-82**  
160 mm

**Atraumatische Pinzetten**  
Non-traumatic tissue forceps  
Pinzette atraumatiche  
Pinzas atraumaticas  
Pinces atraumatiques

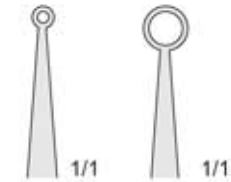


1/1

**ADSON-BROWN**  
**BD-253**  
120 mm

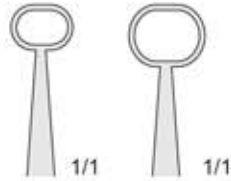
**DE BAKEY**  
**BD-82/BD-165**

Pinzette zum Halten Membranen  
Membrane Holding forceps  
Pinza per fissaggio membrane  
Pinza para sostener membranas  
Pince pour le maintien membranes



**BD-56**

**BD-57**



**BD-58**

**BD-59**

**BD-56/BD-59**  
100 mm



Surgical Retractor



**BD-130**  
20 mm

**DESMARRES**  
**BD-130**  
90 mm



**KÜHNE**  
**ES-44**  
105 mm



**GERALD**  
**MF-101**  
180 mm



**GERALD**  
**MF-102**  
180 mm



**GERALD**  
**MF-103**  
180 mm

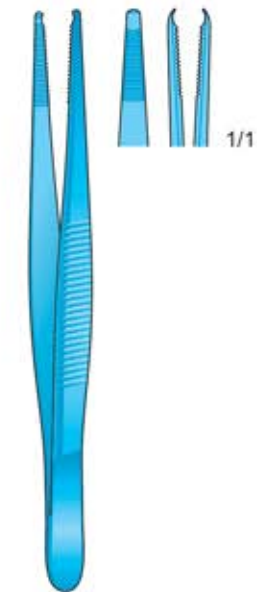


**GERALD**  
**MF-104**  
180 mm



Titanium  
Titan  
Titane  
Titanio  
Titano

Titan - Titanium - Titanio - Titane



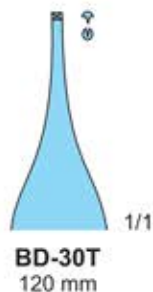
**BD-285T**  
90 mm



**BD-270T**  
130 mm



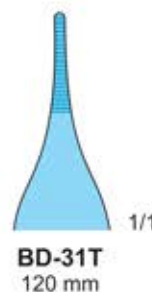
ADSON  
**BD-30T**  
120 mm



**BD-30T**  
120 mm



ADSON  
**BD-31T**  
120 mm



**BD-31T**  
120 mm



**BD-09T**  
130 mm

1/1



**BD-75T**  
145 mm



**MF-342T**  
150 mm

1,0 x 0,5 mm  
Ring Gerieft  
Ring Serrated  
Anello Zigrinato  
Anillo Estriadas  
Anneau Stries

Rund-Griffe Ø 8 mm  
Round handle Ø 8 mm  
Manico rotondo Ø 8 mm  
Mango redondo Ø 8 mm  
Manche rond Ø 8 mm



**BD-80T**  
160 mm



**BD-160T**  
160 mm



**BD-80T**  
160 mm



GERALD  
**MF-101T/MF-102T**  
180 mm



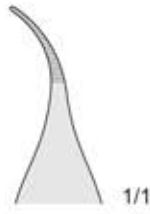
**MF-101T**  
180 mm



**MF-102T**  
180 mm

1/1

1/1



Extra fein  
Extra fine  
Extra fine  
Extra finas  
Extra feins

Gebogen  
Curved  
Curva  
Curva  
Courbes

MICRO-ADSON  
**BD-372**  
120 mm



Extra fein  
Extra fine  
Extra fine  
Extra finas  
Extra feins

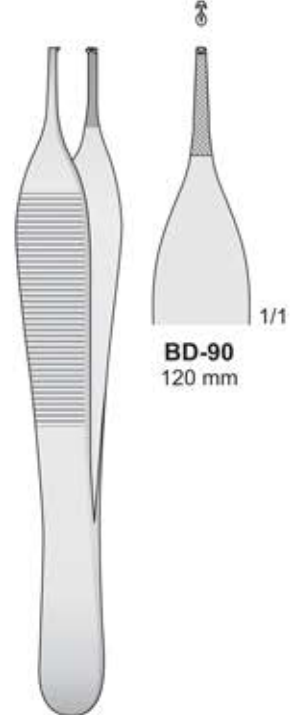
Gebogen  
Curved  
Curva  
Curva  
Courbes

1x2 Zähne  
1x2 Tooth  
1x2 Denti  
1x2 Dientes  
1x2 Dents

MICRO-ADSON  
**BD-373**  
120 mm

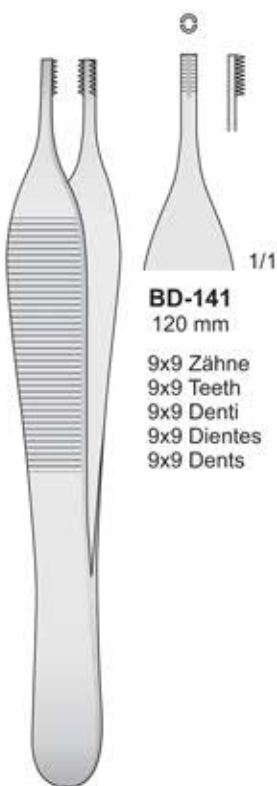


BEASLEY-BABCOCK  
**BD-51**  
120 mm



**BD-90**  
120 mm

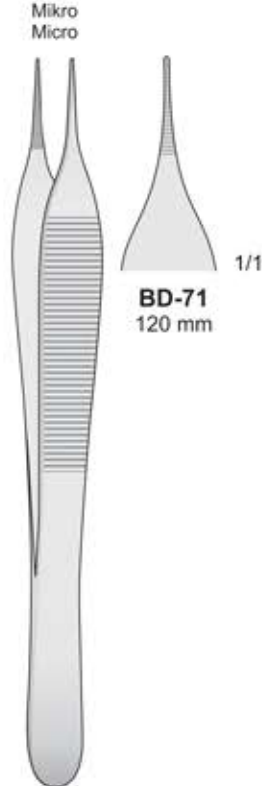
ADSON  
**BD-90**  
120 mm



**BD-141**  
120 mm

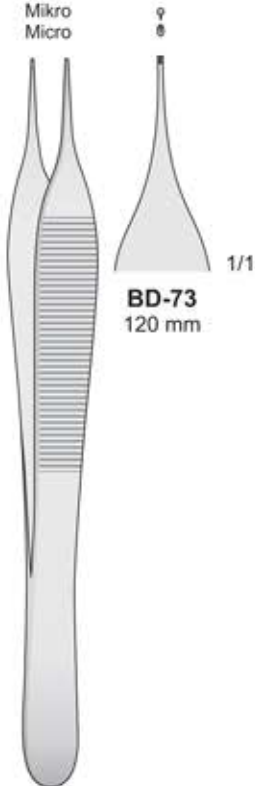
9x9 Zähne  
9x9 Teeth  
9x9 Denti  
9x9 Dientes  
9x9 Dents

ADSON-BROWN  
**BD-141**  
120 mm



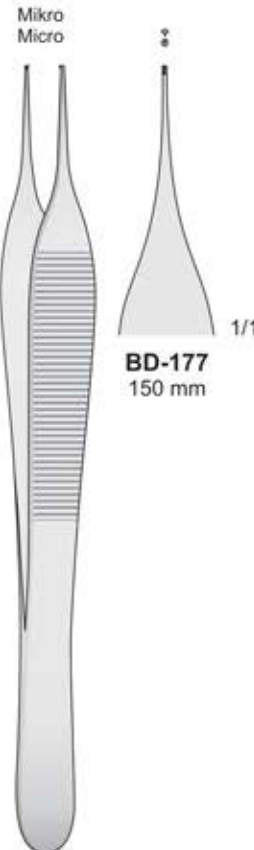
**BD-71**  
120 mm

ADSON  
**BD-71**  
120 mm



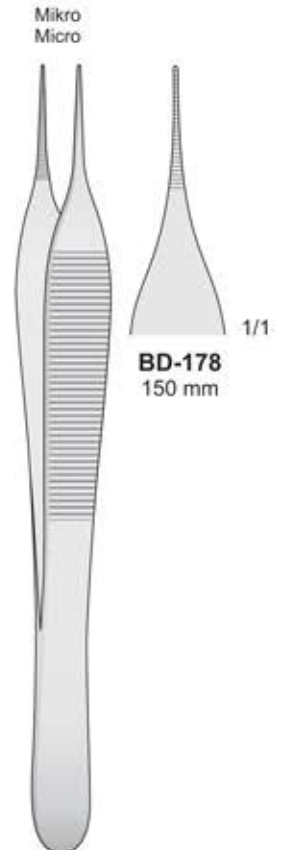
**BD-73**  
120 mm

ADSON  
**BD-73**  
120 mm



**BD-177**  
150 mm

ADSON  
**BD-177**  
150 mm



**BD-178**  
150 mm

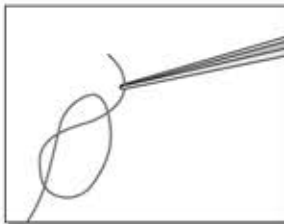
ADSON  
**BD-178**  
150 mm

**Microsurgery**  
 Mikrochirurgie  
 Microchirurgie  
 Microcirurgia  
 Microchirurgia



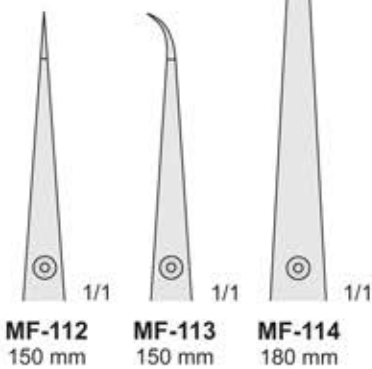
Titanium  
 Titan  
 Titane  
 Titanio  
 Titanio

Rund-Griffe Ø 8 mm - Round handle Ø 8 mm  
 Manico rotondo Ø 8 mm - Mango redondo Ø 8 mm  
 Manche rond Ø 8 mm



Mikro Nadelhalter  
 Micro Needle Holders  
 Micro port'aghi  
 Micro portaagujas  
 Micro Porte-aiguilles

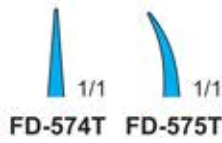
Mikro Scheren  
 Micro Scissors  
 Micro forbici  
 Micro Tijeras  
 Micro ciseaux



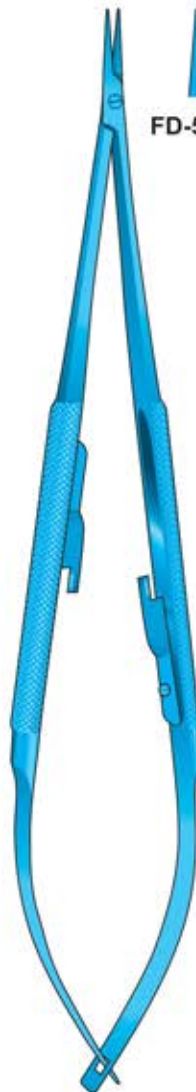
**MF-112**  
150 mm

**MF-113**  
150 mm

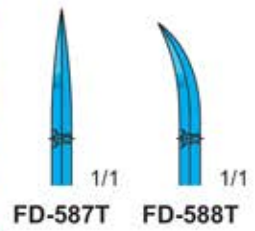
**MF-114**  
180 mm



**FD-574T** **FD-575T**



**FD-574T/FD-575T**  
180 mm



**FD-587T** **FD-588T**



**FD-587T/FD-588T**  
180 mm

**MF-112/MF-114**

Microsurgery  
Mikrochirurgie  
Microchirurgie  
Microcirurgia  
Microchirurgia



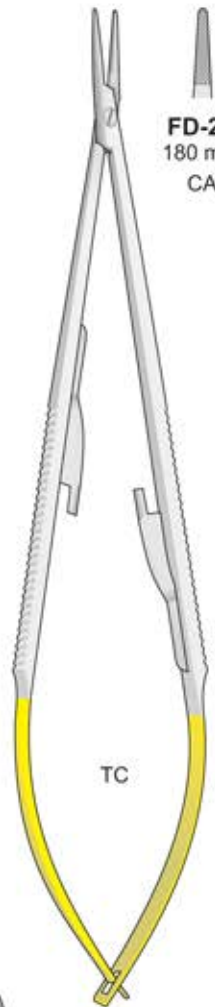
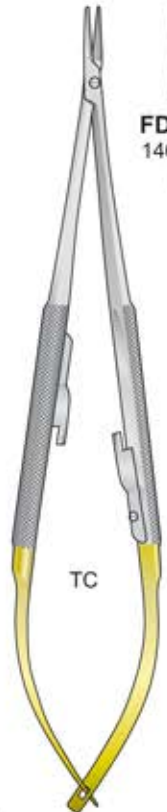
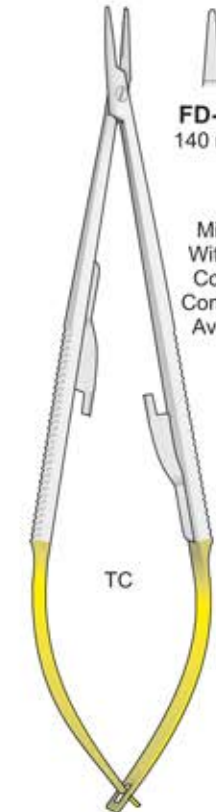
**Tungsten-Carbide Inserts**  
Mit Hartmetalleinsätzen  
Plaquettes en carbure de tungstène  
Plaquetas de carburo de tungsteno  
Inserti in carburo di tungsteno

1/1 1/1  
**FD-25** **FD-29**  
180 mm 180 mm  
CASTROVIEJO

1/1 1/1 1/1 1/1  
**FD-21** **FD-23** **FD-22** **FD-28**  
140 mm 140 mm 140 mm 140 mm  
CASTROVIEJO

Mit glatten maul  
With smooth jaws  
Con morso liscio  
Con mandibula lisa  
Avec mors lisses

1/1 1/1  
**FD-170** **FD-171**  
140 mm 140 mm  
CASTROVIEJO

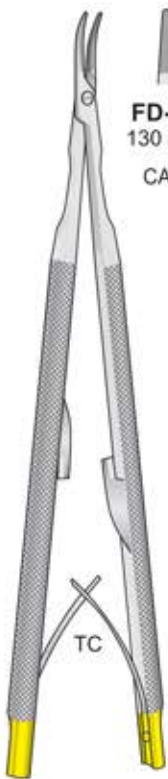


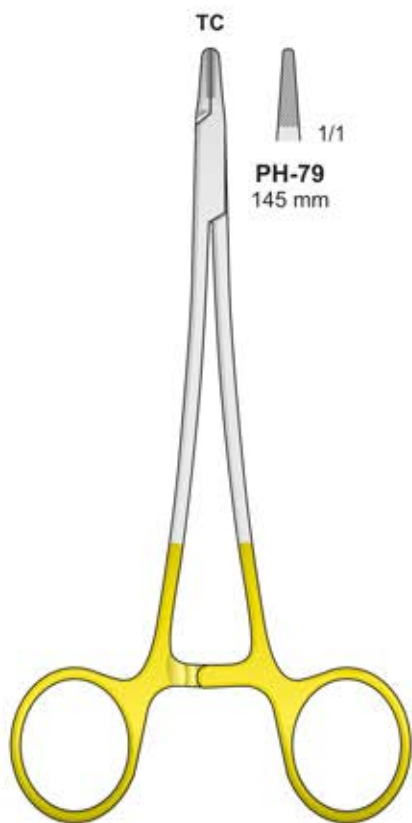
1/1 1/1  
**FD-173** **FD-31**  
180 mm 180 mm  
CASTROVIEJO

1/1 1/1  
**FD-30** **FD-32**  
180 mm 180 mm  
JACOBSON

1/1 1/1  
**FD-34** **FD-172**  
130 mm 130 mm  
CASTROVIEJO

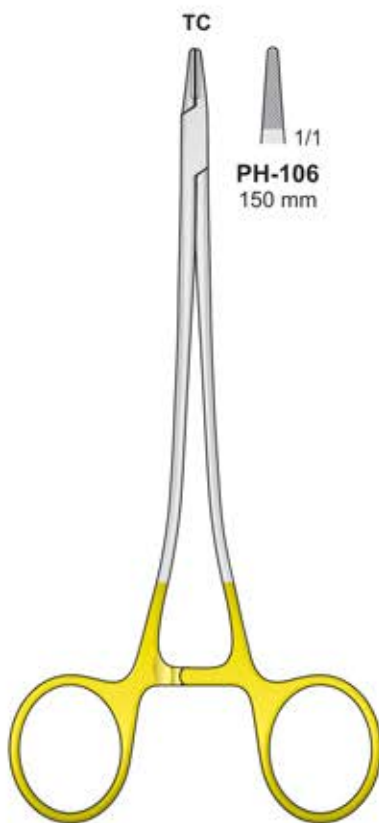
1/1 1/1  
**FD-37** **FD-36**  
140 mm 140 mm  
CASTROVIEJO





TC  
PH-79  
145 mm

PH-79  
145 mm



TC  
PH-106  
150 mm

SWEDISH MOD.  
PH-106  
150 mm

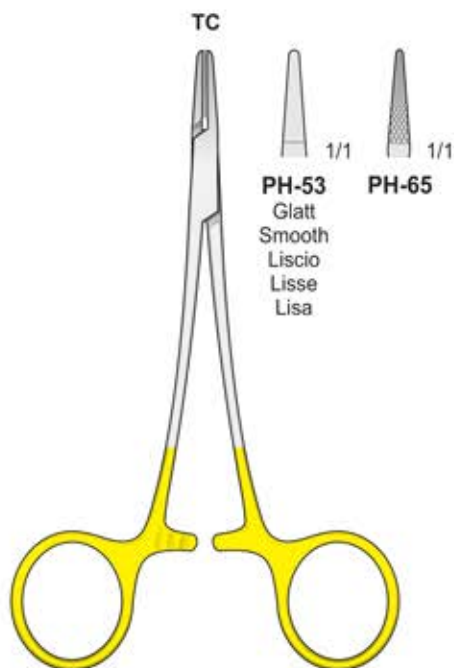


TC  
PH-90  
150 mm

CRILE-WOOD  
PH-90  
150 mm

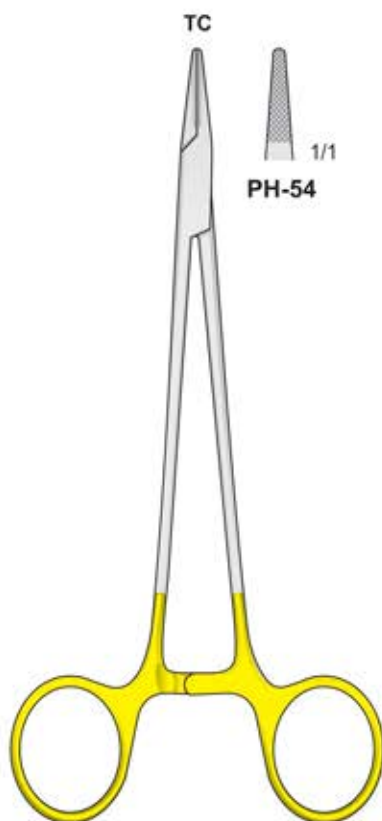


**Tungsten-Carbide Inserts**  
Mit Hartmetalleinsätzen  
Plaquettes en carbure de tungstène  
Plaquetas de carburo de tungsteno  
Inserti in carburo di tungsteno



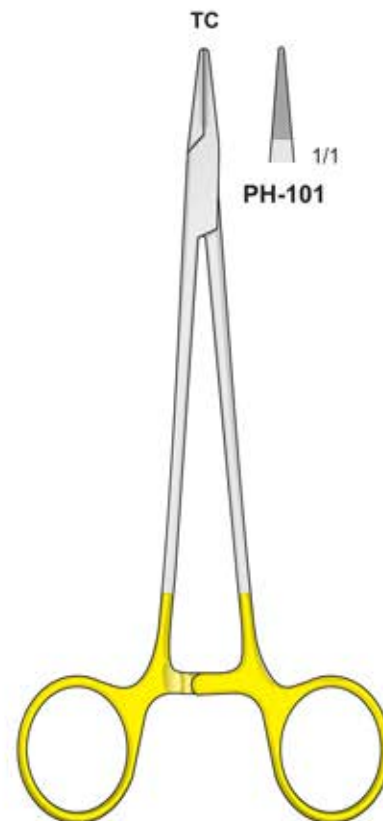
TC  
PH-53  
Glatt  
Smooth  
Liscio  
Lisse  
Lisa  
PH-65

PH-53/PH-65  
120 mm



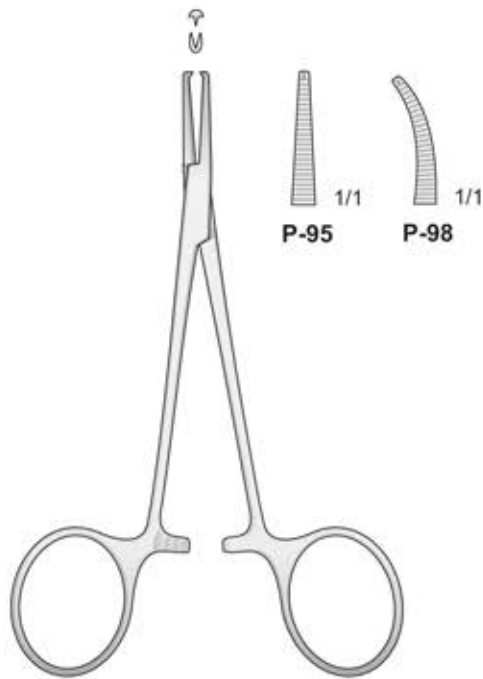
TC  
PH-54

BABY-CRILE-WOOD  
PH-54  
150 mm

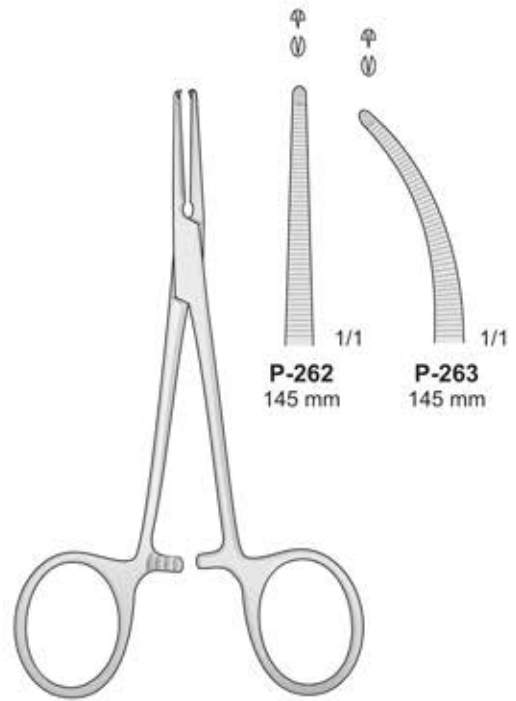


TC  
PH-101

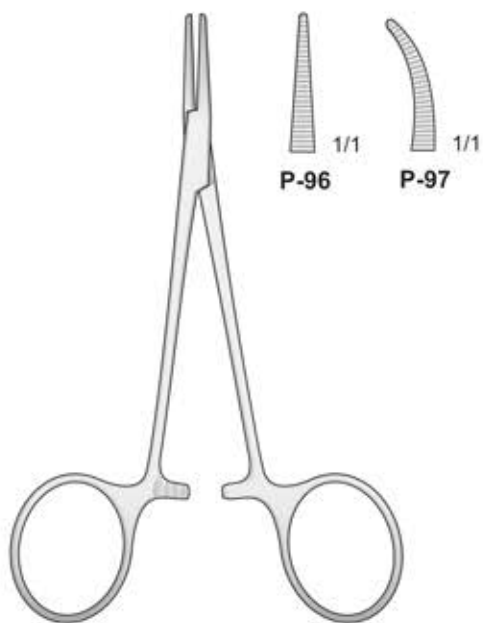
MICRO-VASCULAR  
PH-101  
150 mm



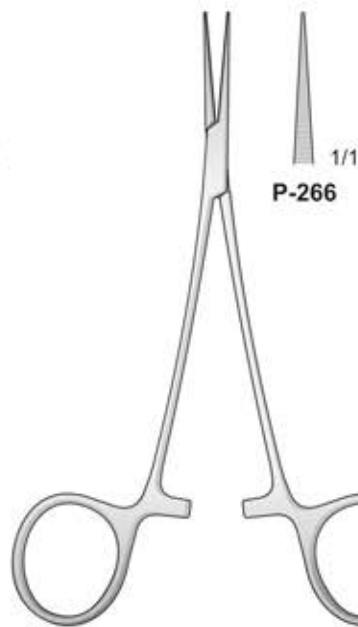
HALSTED-MOSQUITO  
P-95/P-98  
120 mm



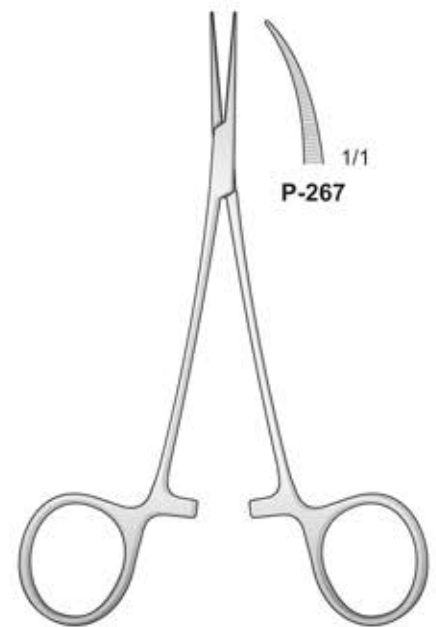
KOCHER  
P-262/P-263  
145 mm



HALSTED-MOSQUITO  
P-96/P-97  
120 mm



JACOBSON-MICRO  
P-266  
130 mm



JACOBSON-MICRO  
P-267  
130 mm



**Rhodium Mirror**  
Rhodiumspiegel  
Miroir au rhodium  
Espejo de rodio  
Specchietto rodato

**Both sides Rhodium-coated**  
Beidseitig Rhodium beschichtet  
Revêtu de rhodium des deux côtés  
Revestido con rodio en ambos lados  
Con rivestimento in rodio su entrambi i lati

**Concave with enlarging effect**  
Hohl-Vergrößernd  
Concave avec effet loupe  
Côncavo con efecto de aumento  
Concavo con ingrandimento

**Plan**  
Plane  
Plane  
Piano  
Piano



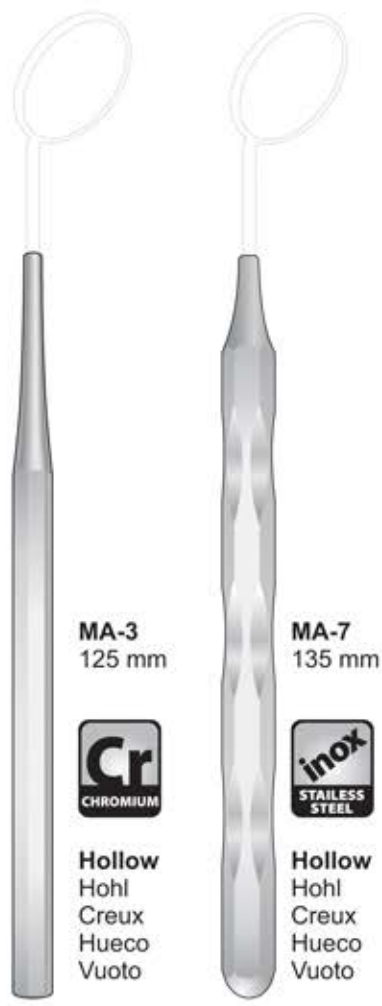
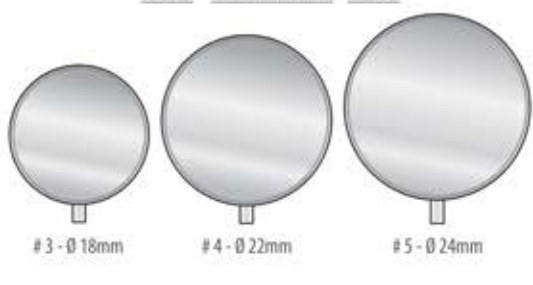
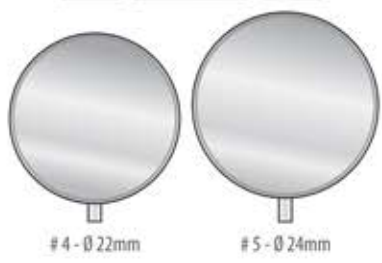
Simple Stem	Box of 12	Cone Socket
RH-4	# 4 - Ø 22mm	RH-4A
RH-5	# 5 - Ø 24mm	RH-5A



Box of 6	Both sides Rhodium-coated
RH-14	# 4 - Ø 22mm



Concave with enlarging effect	Box of 12	Plan
G-3	# 3 - Ø 18 mm	P-3
G-4	# 4 - Ø 22 mm	P-4
G-5	# 5 - Ø 24 mm	P-5



**MA-3**  
125 mm



**Hollow**  
Hohl  
Creux  
Hueco  
Vuoto

**MA-7**  
135 mm



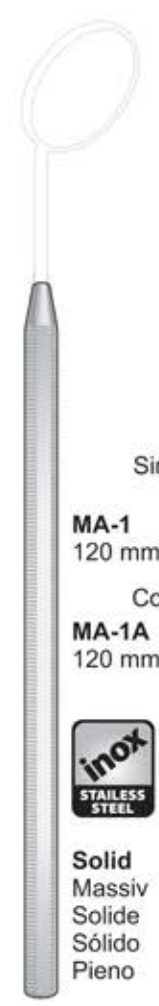
**Hollow**  
Hohl  
Creux  
Hueco  
Vuoto



**AL-MA5**  
120 mm



**Hollow**  
Hohl  
Creux  
Hueco  
Vuoto



**MA-1**  
120 mm



**Solid**  
Massiv  
Solide  
Sólido  
Pieno

**MA-2**  
125 mm



**Solid**  
Massiv  
Solide  
Sólido  
Pieno



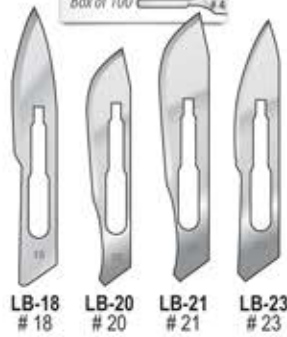
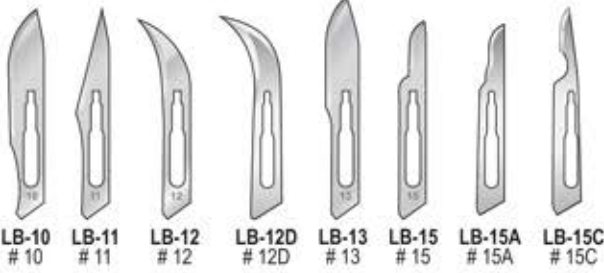
**G-31 G-32 G-33**

**Microsurgical mirrors and handle**  
Mikrochirurgische Spiegel und Halter  
Miroirs de microchirurgie et manche  
Espejos de microcirugia y mango  
Specchietti per Microchirurgia e manico

**MA-2**  
125 mm

Box of 100

Box of 100



**Scalpel Handle Double-Blade**  
Doppelt Skalpellgriff  
Manche pour bistouri double-lame  
Mango de bisturi doble-hoja  
Manico per bisturi a doppia lama

1.5 mm 2.5 mm



**MA-B8** 155 mm  
**MA-B9** 155 mm



**MA-B1**  
145 mm  
# 5



**MA-B2**  
# 5A



**MA-B3**  
124 mm  
# 3



**MA-B3M**  
124 mm  
# 3



**MA-B4**  
134 mm  
# 4



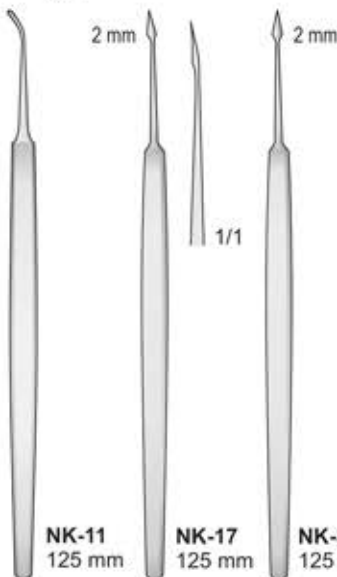
**MA-B7K**  
# 7K



**MA-B7**  
165 mm  
# 7



**MA-B16**  
120 mm



**NK-11**  
125 mm

**NK-17**  
125 mm

**NK-39**  
125 mm



**LB-361** **LB-362** **LB-363** **LB-364** **LB-365** **LB-366** **LB-367** **LB-368** **LB-369**

**Scalpel handles for micro blades**

Skalpellgriffe für Mikro-Klingen

Manches de bistouris pour micro lames

Mangos de bisturios para micro hojas

Manici per micro lame



**BB-46** | 135 mm



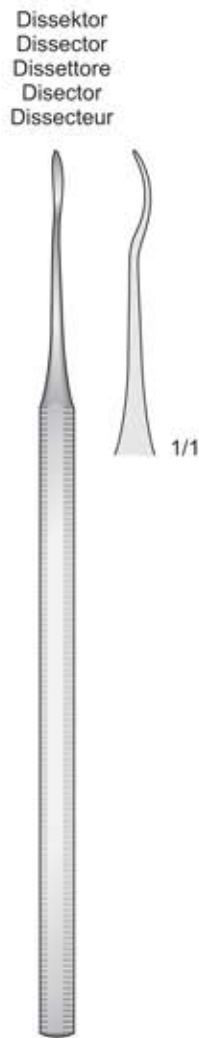
**NK-2** | 150 mm



**BB-48** | 155 mm

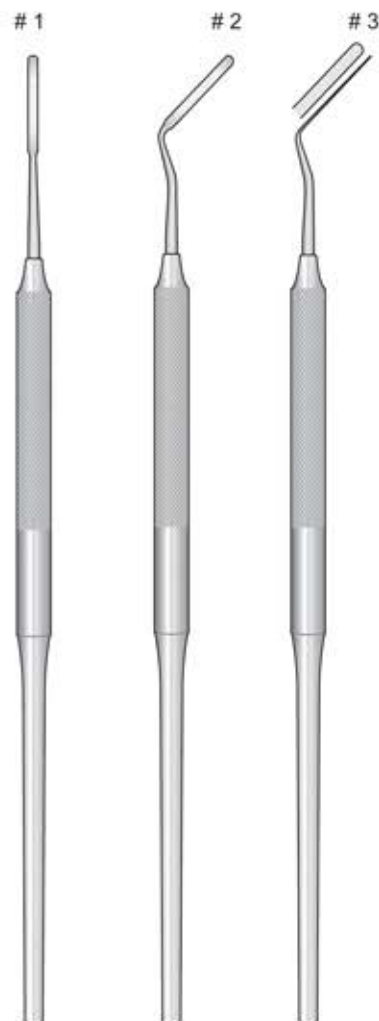


MITCHEL  
AT-12  
170 mm



ES-13  
135 mm

Periotome - Periotomes  
Periotomi - Periotómos  
Périotomes



MC-11  
160 mm

MC-12  
160 mm

MC-13  
160 mm

Meßbereich: 0 - 80 mm  
 Measuring range: 0 - 80 mm  
 Campo di misura: 0 - 80 mm  
 Alcance de medición: 0 - 80 mm  
 Etendue de mesure: 0 - 80 mm



**OR-40**  
125 mm

0,5 mm



**LS-08**  
100 mm

0,5 mm



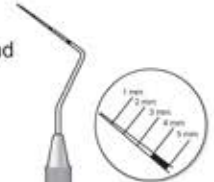
**LS-09**  
150 mm

Implant Graduierung  
 Implant depth gauge with ball end  
 Sonda per controllare  
 la profondità del sito  
 Sonda para controlar  
 la profundidad

Ø 2.0 mm



**GA-60**  
100 mm

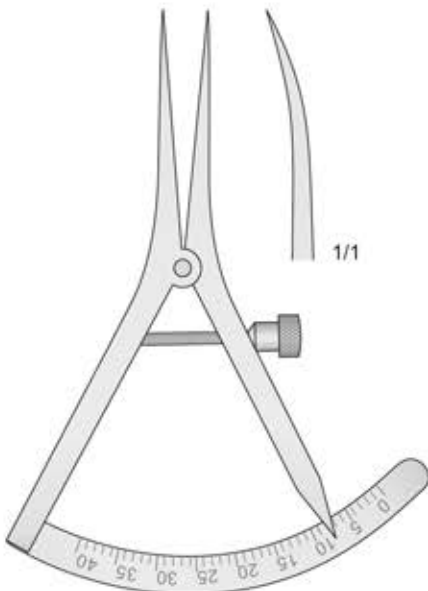


CP-15 UNC

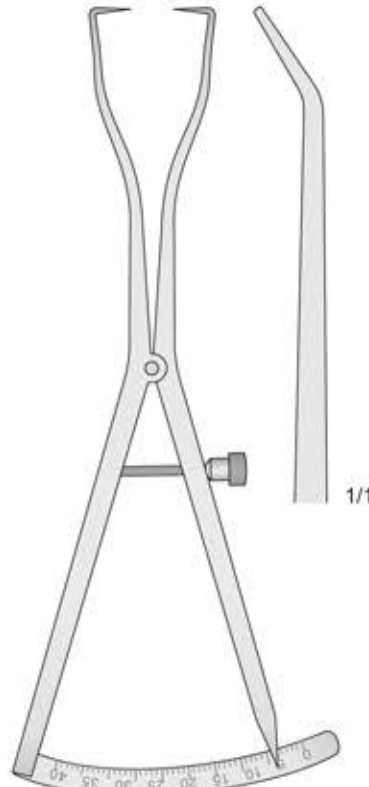
1-2-3-4-5  
 6-7-8-9-10  
 11-12-13-14-15

**SM-15**  
155 mm

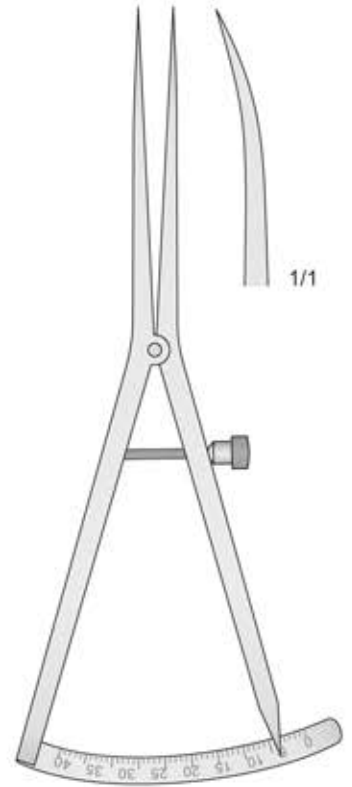
Meßbereich: 0 - 40 mm  
 Measuring range: 0 - 40 mm  
 Campo di misura: 0 - 40 mm  
 Alcance de medición: 0 - 40 mm  
 Etendue de mesure: 0 - 40 mm



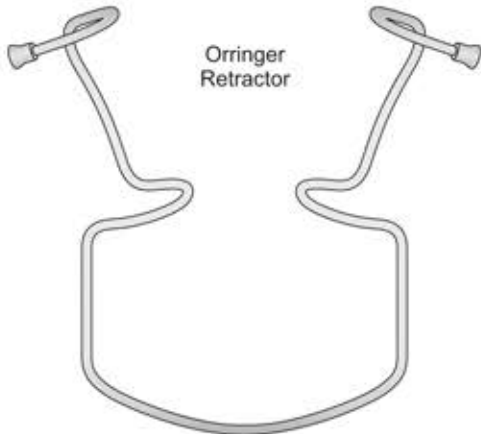
**CASTROVIEJO**  
**OR-13**  
90 mm



**CASTROVIEJO**  
**OR-18**  
170 mm

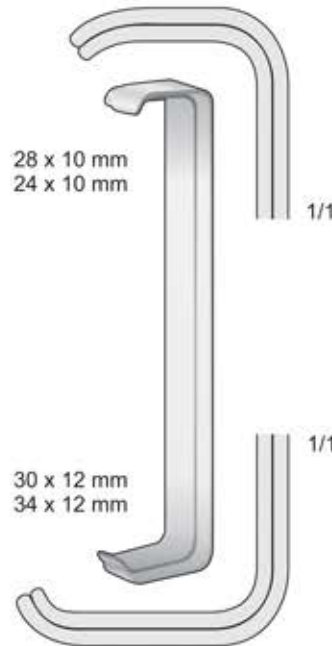


**CASTROVIEJO**  
**OR-14**  
170 mm



Orringer  
Retractor

- OM-74** # 0 100 x 95 mm
- OM-75** # 1 115 x 105 mm
- OM-76** # 2 115 x 110 mm
- OM-77** # 3 125 x 115 mm



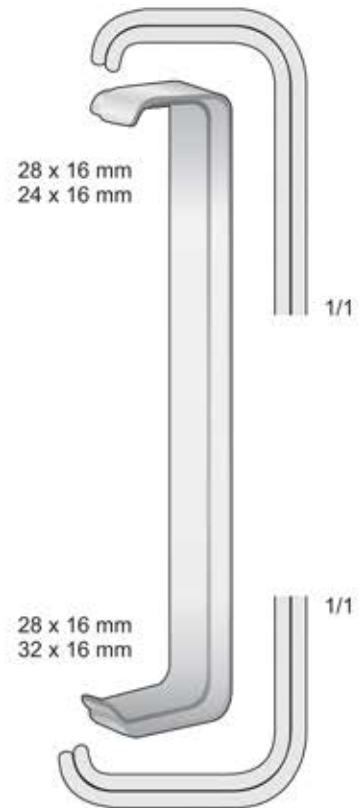
28 x 10 mm  
24 x 10 mm

1/1

30 x 12 mm  
34 x 12 mm

1/1

**FARABEUFBT-20**  
120 mm



28 x 16 mm  
24 x 16 mm

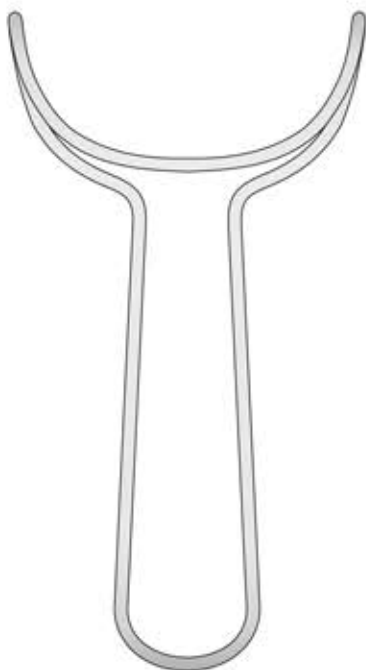
1/1

28 x 16 mm  
32 x 16 mm

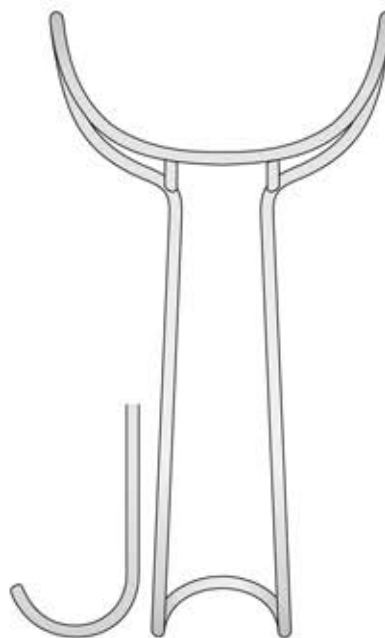
1/1

**FARABEUFBT-25**  
150 mm

Abhalter für gesamten Ober- bzw. Unterkiefer - Retractor for complete upper resp. Lower jaws  
Retrattore per arcata superiore e inferiore intera - Separadores para quijadas enteras inferiores y superiores  
Écarteurs pour machoires complètes inférieures et supérieures



**OM-90**  
150 mm



**OM-91**  
140 mm



**MATY OM-97**  
170 mm



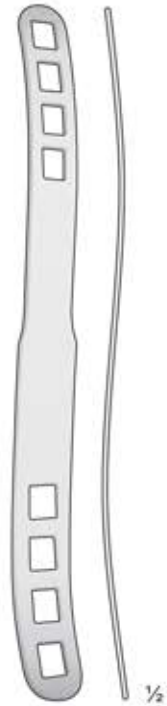
**BISHOP**  
**OM-61**  
130 mm



**MINNESOTA**  
**OM-55**  
140 mm



**CAWOOD-MINNESOTA**  
**OM-66**  
160 mm



**BRUENINGS**  
**OM-04**  
190 mm

Rostfrei - Stainless Steel - Acciaio - Acero - Acer  
Biegsam - Malleable - Malleabili - Maleables - Malléable

Schwarz Verchromt - Black anodized  
Cromato nero - Cromado en negro  
Chromé noir



**OM-87**  
200 mm



**OM-88**  
200 mm



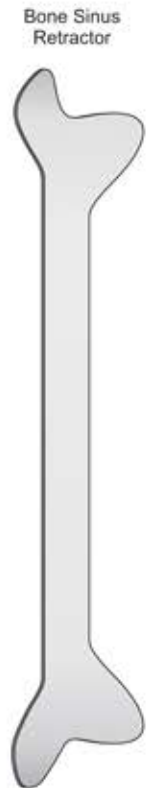
**OM-80**  
200 mm



**OM-81**  
200 mm

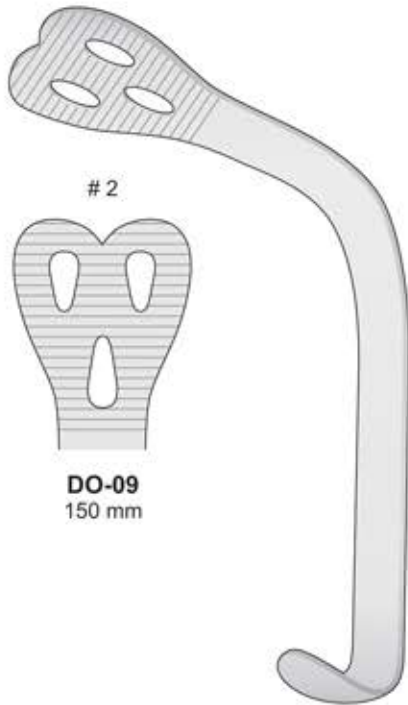


**OM-82**  
240 mm



**OM-100**  
180 mm

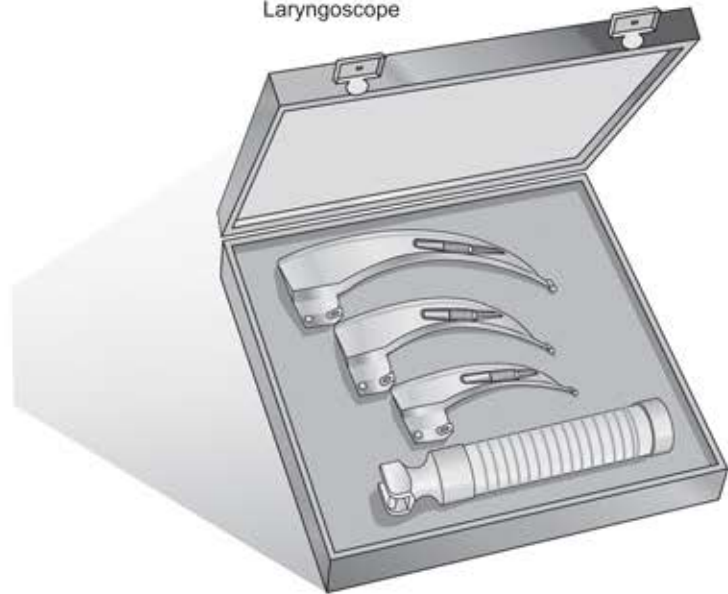
Zungen und Wangenhalter  
Tongue and Cheek Retractor  
Abbassalingua e divaricatore labiale  
Retradores de mejillas y labios  
Abaisse-langue et ecarteur



**DO-09**  
150 mm

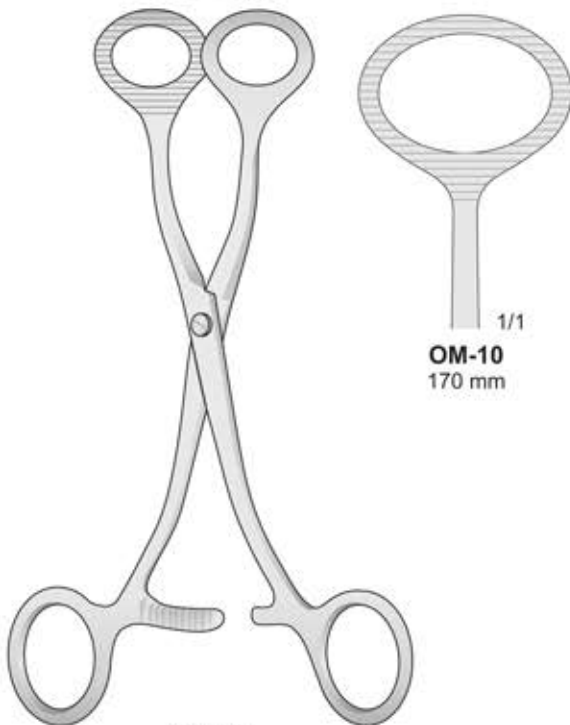
**WIEDER**  
**DO-09**  
150 mm

Laryngoskop  
Laryngoscope  
Laringoscopio  
Laringoscopio  
Laryngoscope



**Mc INTOSH**  
**AA-S103**  
Komplett - Complete  
Completo - Completo  
Completo

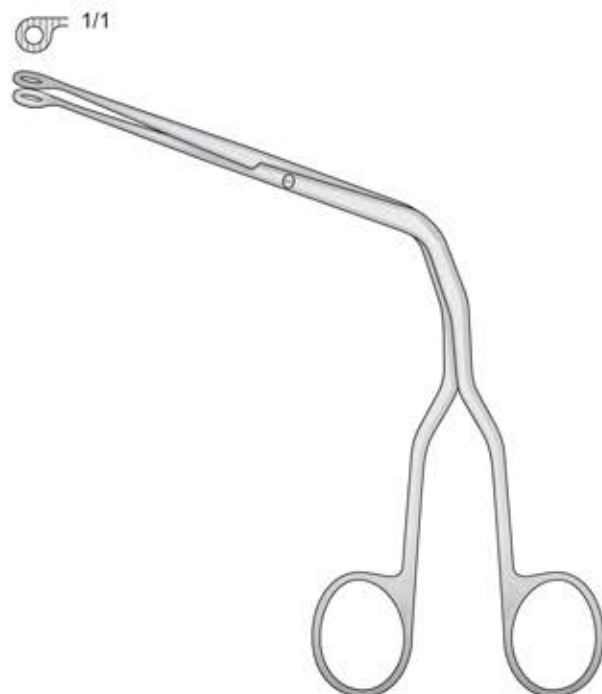
Zungenzangen  
Tongue holding forceps  
Pinza tiralingua  
Pinzas tira-lengua  
Pince tire-langue



**COLLIN**  
**OM-10**  
170 mm

**OM-10**  
170 mm

Kathetereinführungszangen  
Catheter introducing forceps  
Pinze da intubazione  
Pinzas para introducir catéteres  
Pincas pour introduire les sondes



**MAGILL**  
**OM-12**  
150 mm

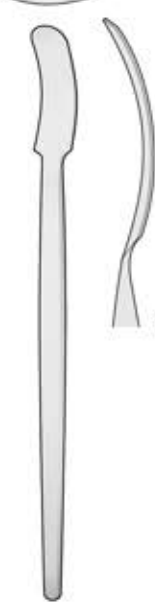
Sinus Lift Retraktoren - Sinus Lift Retractors  
 Divaricatori per Sinus Lift - Separadores para Sinus Lift  
 Écarteurs pour Sinus Lift

17 mm



**SAUTTER  
NK-249**  
145 mm

11 mm



**NK-105**  
125 mm

9 mm

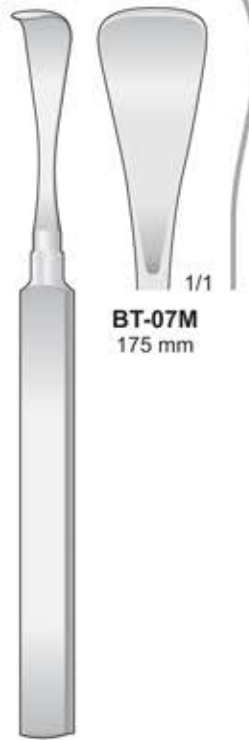


**MODELL GIESSEN  
NK-251**  
160 mm

35 mm

1/1

15 mm



**BT-07M**  
175 mm

1/1

10 mm



**DO-204**  
170 mm



**HENAHAN  
BT-05/BT-07**  
175 mm

1/1

**BT-05**  
10 mm

1/1

**BT-06**  
12 mm

1/1

**BT-07**  
15 mm

1/1

**BT-183  
# 1**

1/1

**BT-184  
# 2**

1/1

**BT-185  
# 3**

1/1

1/1

1/1

1/1

1/1



**HENAHAN  
BT-183/BT-185**  
200 mm

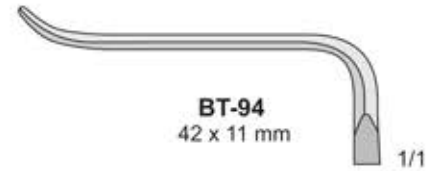




OBWEGESER  
BT-94/BT-156  
220 mm



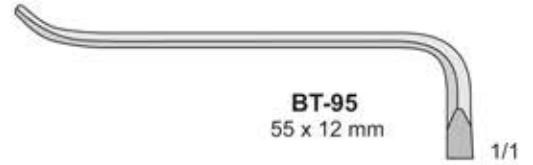
BT-154  
42 x 11 mm



BT-94  
42 x 11 mm



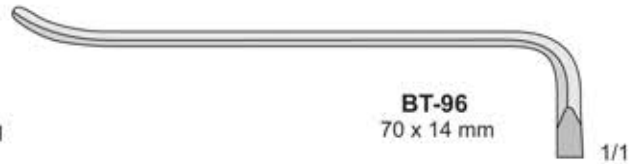
BT-155  
55 x 12 mm



BT-95  
55 x 12 mm



BT-156  
70 x 14 mm



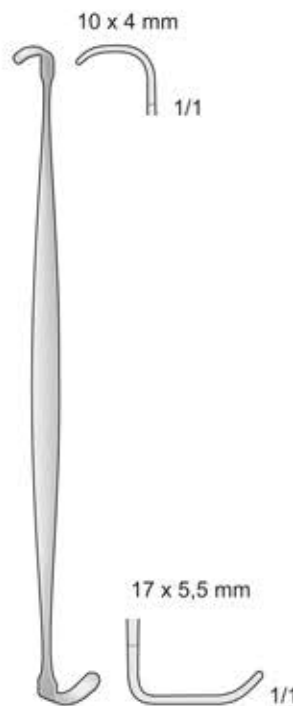
BT-96  
70 x 14 mm



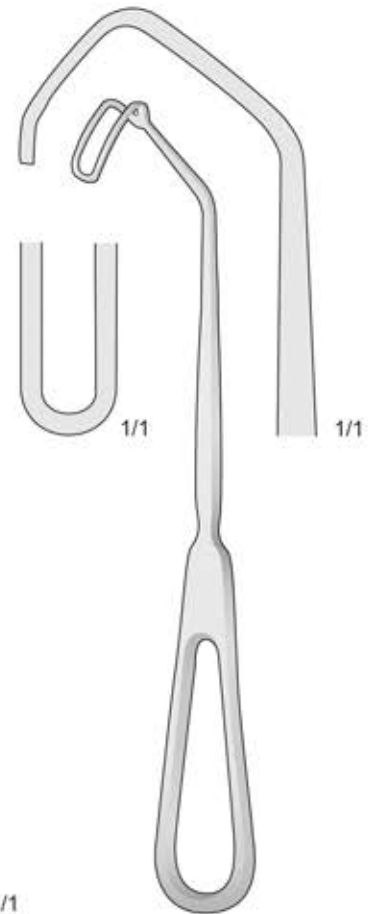
MALINIAC  
DO-200  
100 mm



RAGNELL  
BT-27  
140 mm

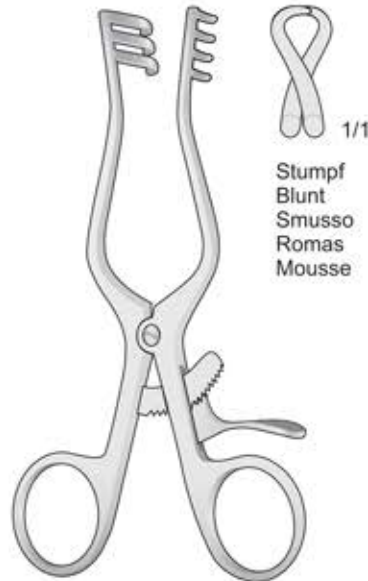


RAGNELL-DAVIS  
BT-26  
140 mm



CUSHING  
BT-29  
200 mm

Tibia Wundspreizer  
Tibial and Iliac Retractor  
Divaricatore per tibia e cresta iliaca  
Separadores para tibiales y iliacos  
Ecarteur pour tibia e crête iliaque



1/1  
Stumpf  
Blunt  
Smusso  
Romas  
Mousse

WEITLANER  
BV-23  
165 mm

FK-105

Komplettsset mit 4 Teilen - Set complete with 4 pieces  
Set completo di 4 pezzi - Set completo con 4 piezas  
Set complet avec 4 pièces

### Combination Trocar-Trephine Instruments

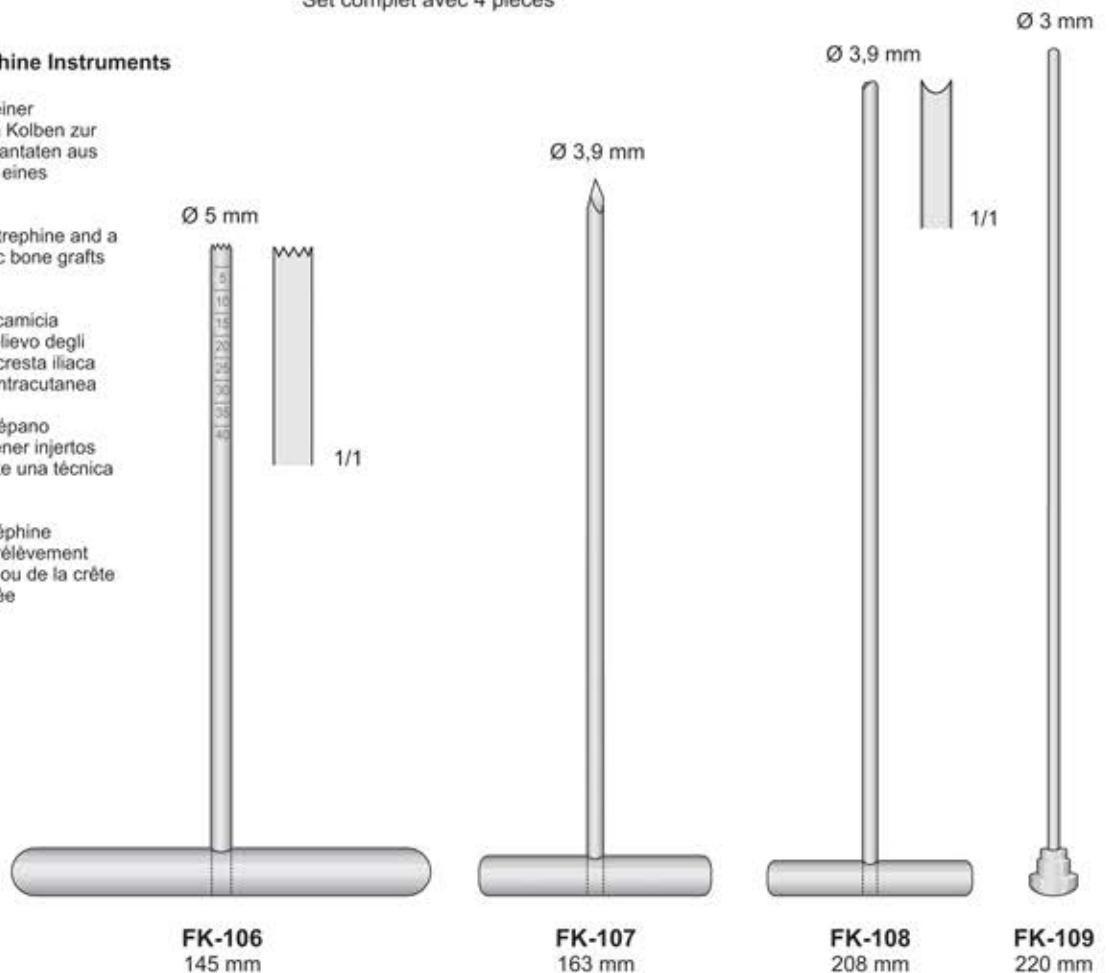
Bestehend aus einem Trokar, einer gezahnten Trephine und einem Kolben zur Entnahme von Knochentransplantaten aus Tibia und Beckenkamm mittels eines geschlossenen Verfahrens

Consisting of trocar, a toothed trephine and a plunger for taking tibial and iliac bone grafts through a closed technique

Composto di un trequarti, una camicia dentata ed un pistone per il prelievo degli innesti ossei dalla tibia e dalla cresta iliaca tramite una tecnica chirurgica intracutanea

Compuesto por un trocár, un trépano dentado y un émbolo para obtener injertos óseos tibiales e iliacos mediante una técnica cerrada

Composé d'un trocart, d'une tréphine dentée et d'un piston pour le prélèvement de greffes osseuses de la tibia ou de la crête iliaque par une technique fermée



FK-106  
145 mm

FK-107  
163 mm

FK-108  
208 mm

FK-109  
220 mm



Stumpf  
Blunt  
Smusso  
Mousse  
Romo

**ES-27**  
160 mm



Scharf  
Sharp  
Tagliente  
Tranchant  
Cortante

**HB**  
160 mm



**MOLT  
718-M9**  
170 mm



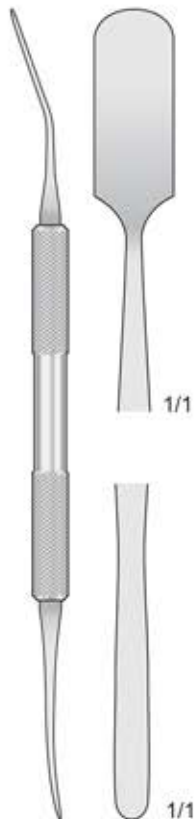
**MOLT  
MO-9A**  
170 mm



**WOODSON  
712-241**  
170 mm



**PRICHARD  
PR-3A**  
180 mm



**PRICHARD  
718-PR3**  
175 mm



**BENNETT  
KO-58**  
175 mm



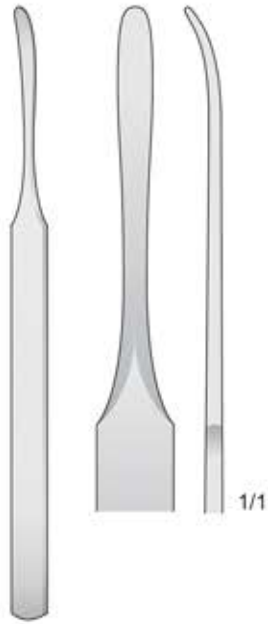
**MOLT  
MO-8**  
185 mm



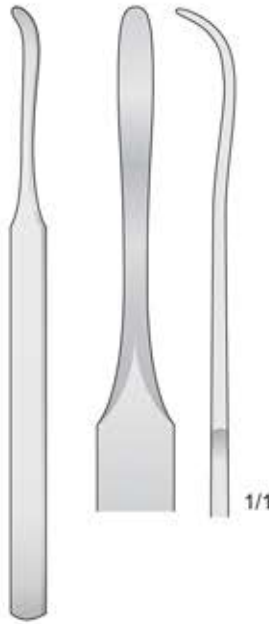
**718-24G**  
175 mm



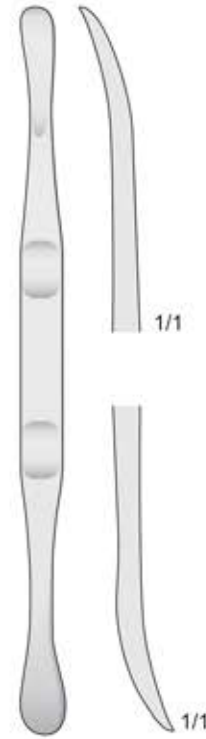
**GOLDMAN-FOX  
718-GF14**  
165 mm



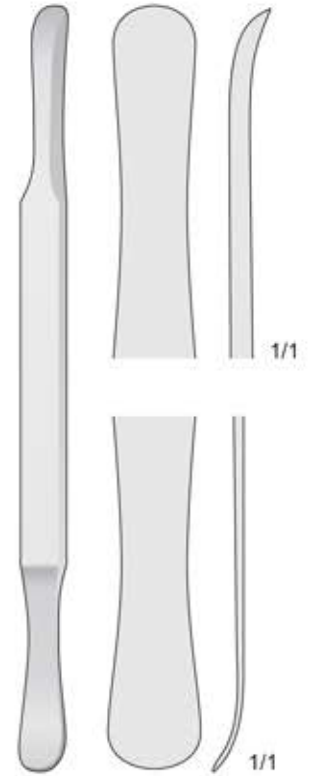
**KÖNIG  
KO-1**  
155 mm



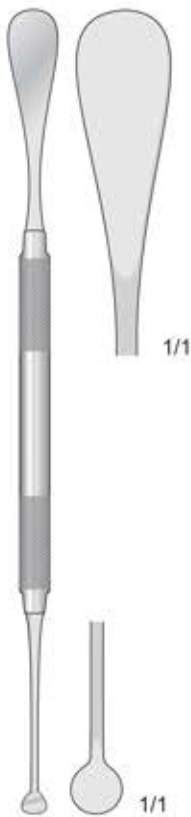
**KÖNIG  
KO-2**  
155 mm



**BABBUSH  
KO-20**  
180 mm



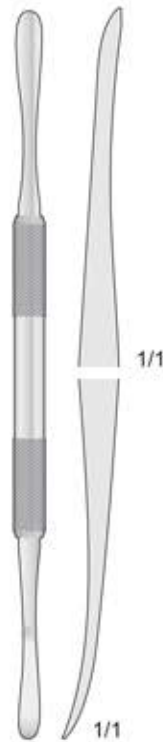
**SELDIN  
KO-23**  
195 mm



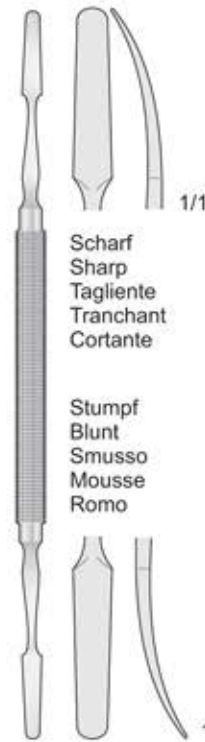
**MO-20**  
200 mm



**MENEGHINI  
MO-24**  
180 mm



**718-M8**  
185 mm



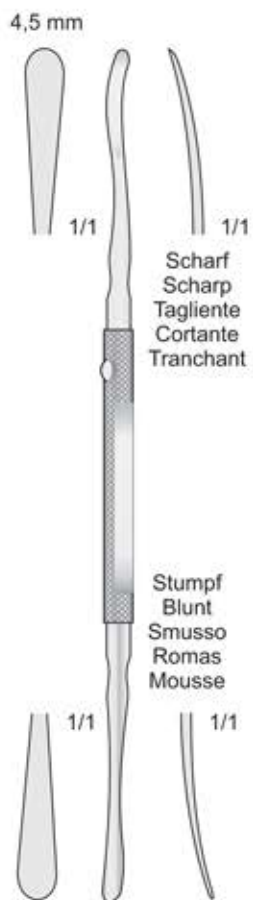
**KILIAN  
KO-11**  
180 mm



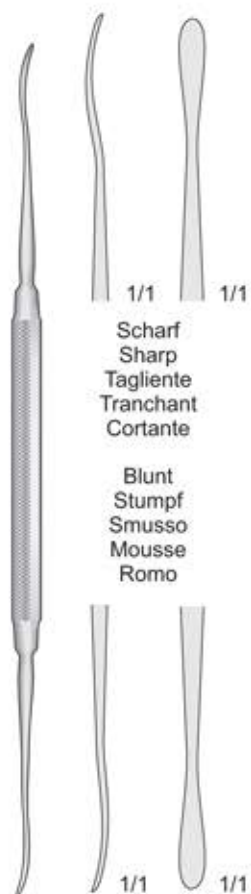
**ROGER  
KO-66**  
180 mm

Scharf  
Sharp  
Tagliente  
Tranchant  
Cortante

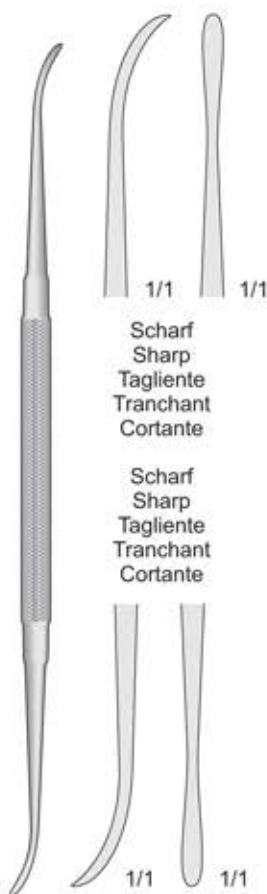
Stumpf  
Blunt  
Smusso  
Mousse  
Romo



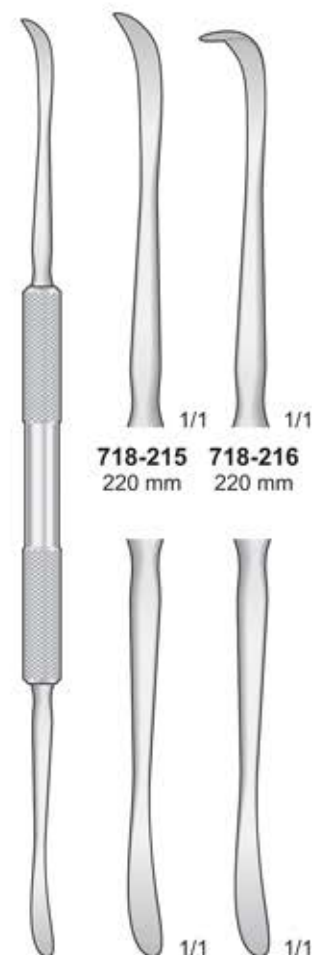
**FREER**  
180 mm



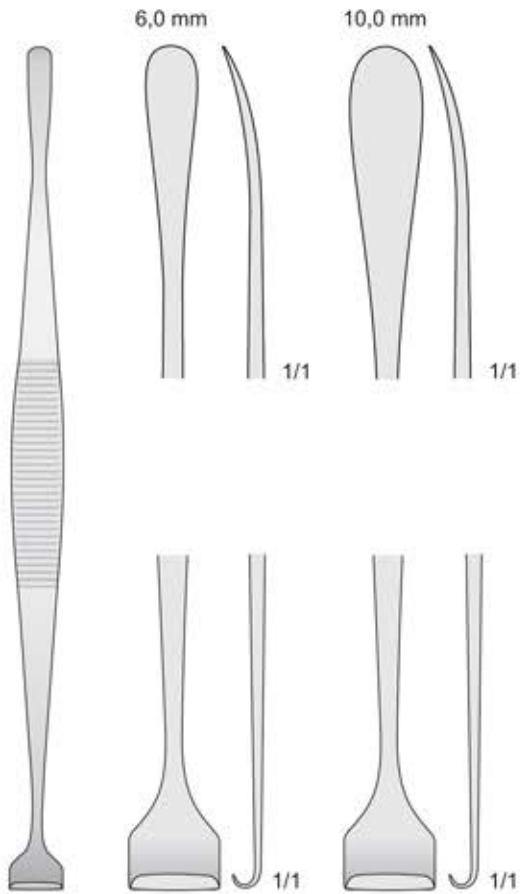
**FREER  
FR-16**  
185 mm



**FREER-YASARGIL  
FR-17**  
185 mm



**FREER  
718-215/718-216**  
220 mm



**HURD  
BT-1/BT-2**  
220 mm

12 mm

12 mm

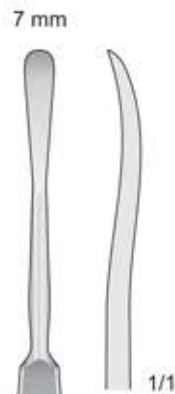
**HOWARTH  
KO-30**  
210 mm

**WILLIGER  
WG-14**  
140 mm

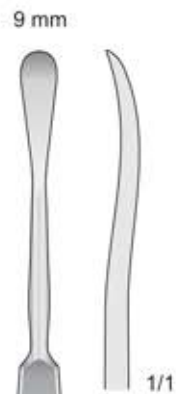
**JOSEPH  
FK-80**  
170 mm



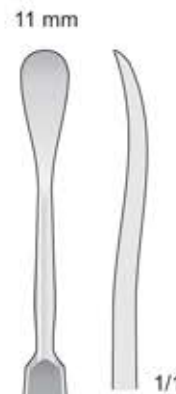
**OBWEGESER  
DO-59**  
175 mm



**OBWEGESER  
DO-63**  
175 mm



**OBWEGESER  
DO-67**  
175 mm



**OBWEGESER  
DO-65**  
175 mm



**MOLT  
MO-15**  
160 mm

4,5 mm



Stumpf  
Blunt  
Smussa  
Romo  
Mousse

5,5 mm

COXETER  
DB-52  
150 mm

1,0 mm/1,2 mm



Leicht Gebogen  
Slightly angled  
Leggermente  
angolata  
Ligeramente  
acodadas  
Légèrement  
coudées

1/1

HOUSE  
FR-160  
150 mm

1,0 mm/1,2 mm



Stark Gebogen  
Strongly angled  
Fortemente  
angolata  
Fuertemente  
acodadas  
Fortement  
coudées

1/1

HOUSE  
FR-162  
150 mm



1/1

JACOBSON  
FK-75  
140 mm



1/1

1/1

VOLKMANN  
FK-72  
145 mm

Surgical Curette



LUCAS  
720-85/720-87  
180 mm



720-85  
180 mm



720-86  
180 mm



720-87  
180 mm



720-88  
180 mm



717-18W

Excavator  
Excavator  
Escavatore  
Excavadore  
Excavateurs

717-18W



Universal Kürette  
Universal Curette  
Curette universale  
Cureta universale  
Curette universelle

Stumpf  
Blunt  
Smussa  
Romas  
Mousse

718-M23A  
165 mm

Sinus Lift Instrumente - Sinus Lift Instruments  
 Strumenti per rialzo del seno - Instrumentos para elevación de senos  
 Instruments pour les soulevés de sinus



**EN-M1**  
160 mm



**EN-M2**  
160 mm



**EN-M3**  
180 mm



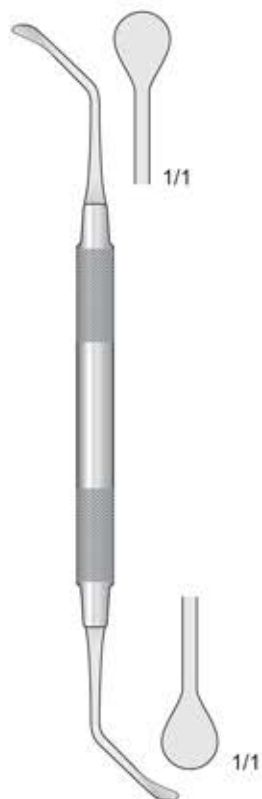
**EN-M4**  
170 mm



**EN-M5**  
175 mm



**EN-M6**  
175 mm



**EN-M7**  
180 mm



**718-EN1**  
175 mm



**718-EN2**  
165 mm



**718-EN3**  
170 mm



Sinus Lift Instrumente  
 Sinus Lift Instruments  
 Strumenti per rialzo del seno  
 Instrumentos para elevación de senos  
 Instruments pour les soulevés de sinus



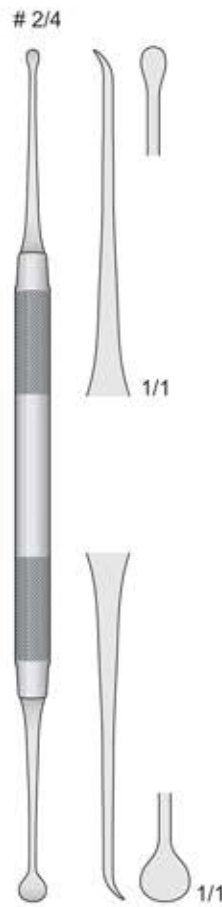
**COTTLE  
DO-47**  
210 mm



**MILLER-COLBURN  
CU-MC1**  
185 mm



**MOLT  
MO-12**  
190 mm



**MOLT  
MO-10**  
180 mm

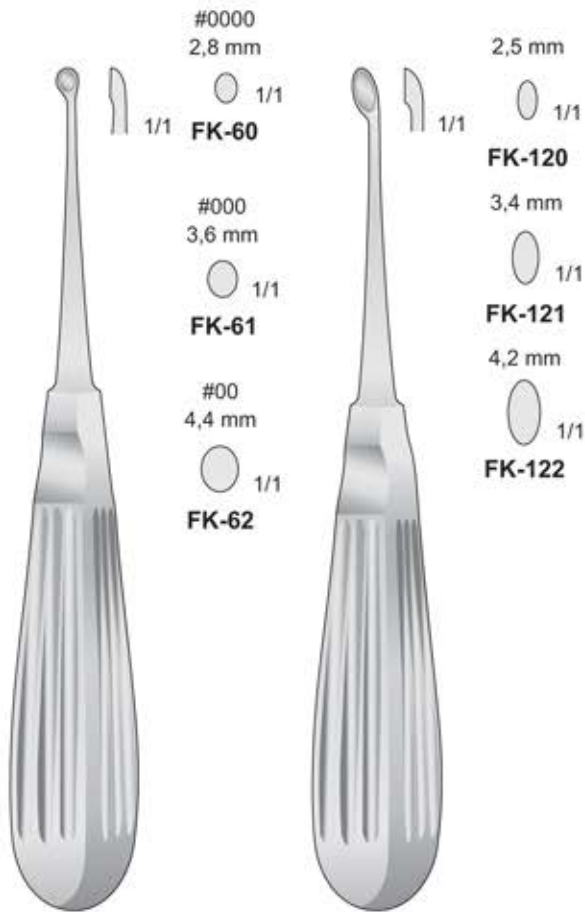


**SINUS  
SL-1**  
200 mm



**SINUS  
SL-2**  
195 mm

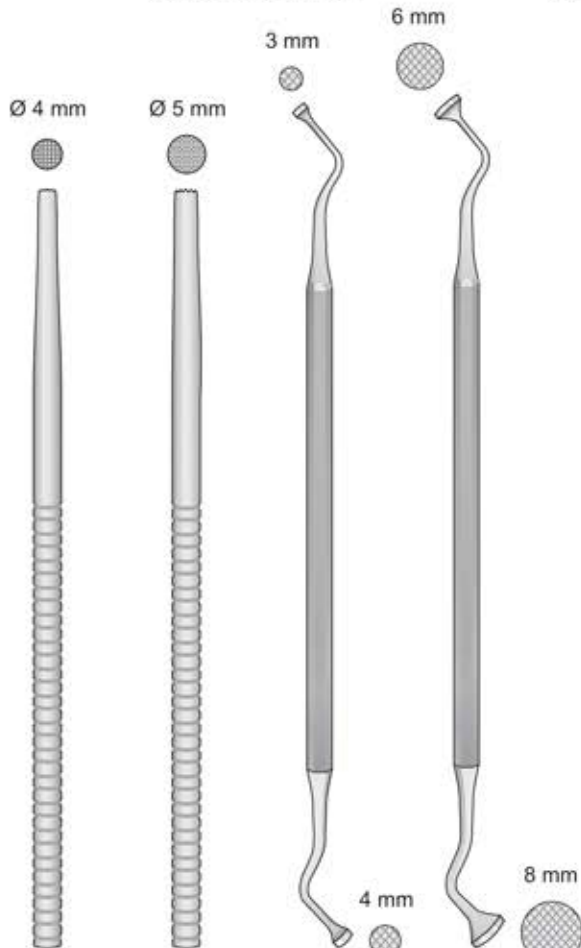
**Knochenmateriallöffel**  
Bone scoops  
Cucchiaini per osso  
Cucharillas para huesos  
Curettes à os



**VOLKMANN**  
**FK-60/FK-62**  
170 mm

**SCHEDE**  
**FK-120/FK-122**  
170 mm

**Knochenstopfer**  
Bone tampers - Bone packers  
Compattatore per osso  
Compactador  
Compacteur - Pilons



**FL-31**  
155 mm

**FL-35**  
155 mm

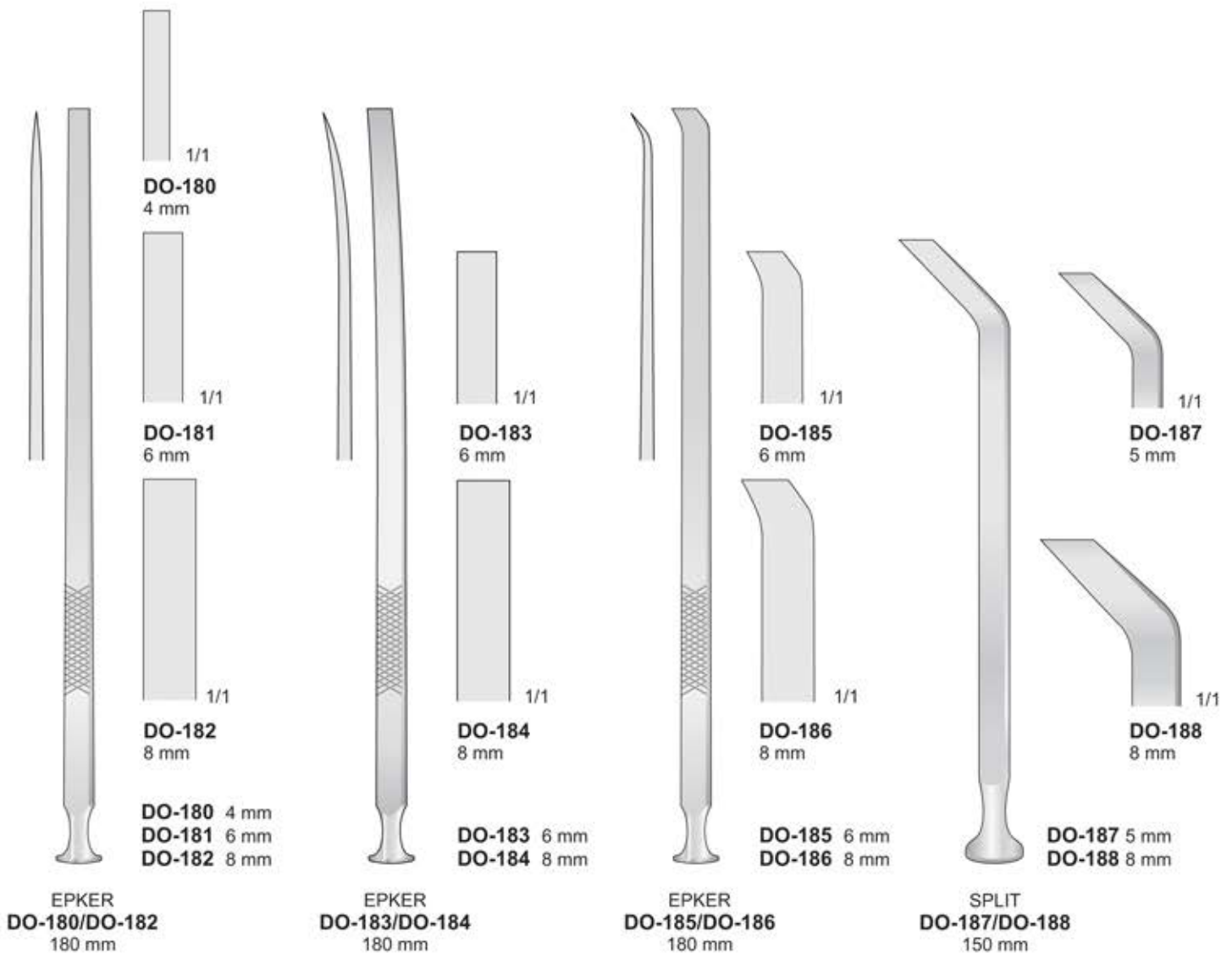
**OP-7**  
170 mm

**OP-8**  
170 mm

**Knochenmaterialstopfer**  
Bone pluggers  
Compattatore - Spatola  
per osso  
Condensadore óseos  
Fouloirs à os



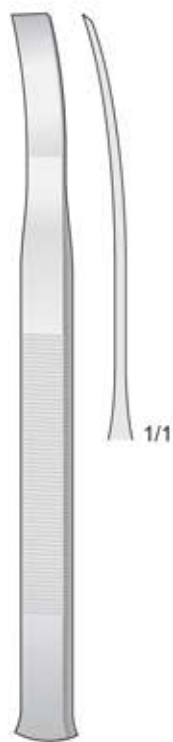
**712-163H**  
170 mm



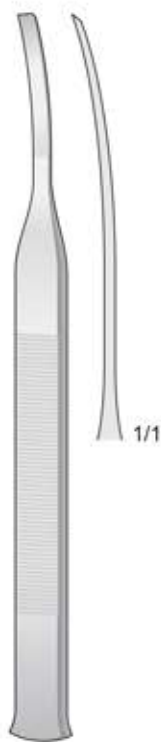
# 4



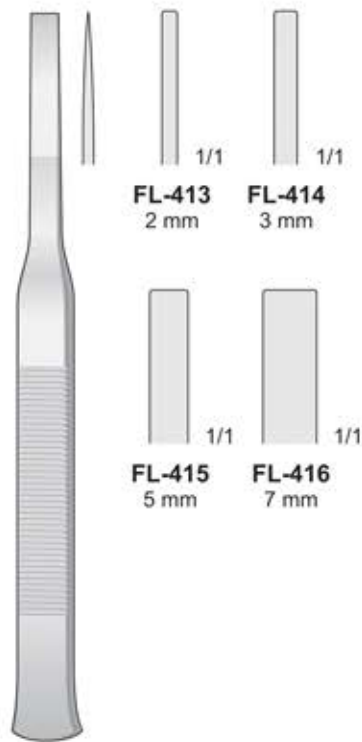
**OCHSENBEIN  
OSB/4A**  
170 mm



**TESSIER  
FL-404** 10 mm  
160 mm



**TESSIER  
FL-411** 5 mm  
**FL-412** 7 mm  
160 mm



**TESSIER  
FL-413/FL-416**  
160 mm

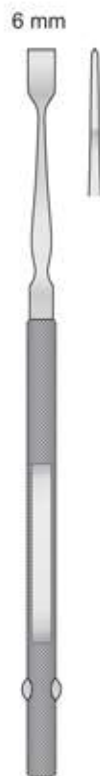
FL-413 2 mm  
FL-414 3 mm  
FL-415 5 mm  
FL-416 7 mm



**FREER  
TG-20**  
160 mm



**FREER  
TG-21**  
160 mm



**FREER  
TG-22**  
160 mm



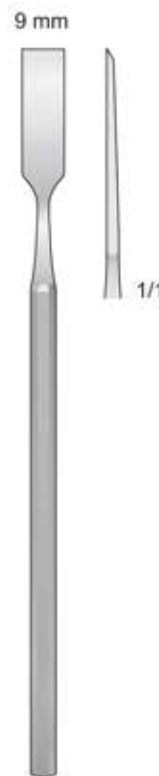
**FREER  
TG-23**  
160 mm



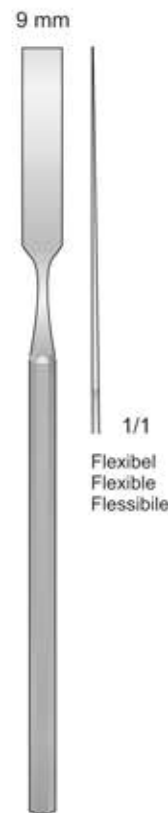
**TG-30**  
155 mm



**TG-31**  
155 mm



**TG-32**  
155 mm



**TG-15**  
170 mm

Flexibel  
Flexible  
Flessibile

Mit auswechselbaren Kunststoffbacken  
 With interchangeable plastic disks  
 Con punte e ricambi in teflon  
 Con tapas de plástico reemplazables  
 Avec embouts de plastique rechargeables

Ø 20 mm  
160 g



**FL-09R**

Paar Ersatzbacken  
 Pair of spare faces  
 Coppia di teste  
 di ricambio  
 Pareja de tapas  
 intercambiables  
 Paire de faces  
 de rechange

**FL-09**  
190 mm

Ø 25 mm  
200 g



**FL-11R**

Paar Ersatzbacken  
 Pair of spare faces  
 Coppia di teste  
 di ricambio  
 Pareja de tapas  
 intercambiables  
 Paire de faces  
 de rechange

**FL-11**  
200 mm

Ø 26 mm  
320 g

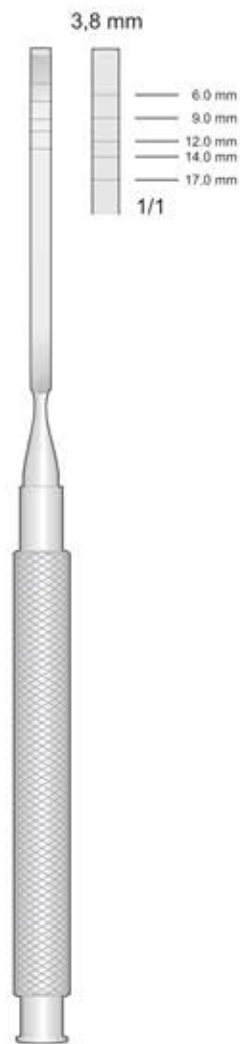


**FL-12R**

Paar Ersatzbacken  
 Pair of spare faces  
 Coppia di teste  
 di ricambio  
 Pareja de tapas  
 intercambiables  
 Paire de faces  
 de rechange

**MEAD  
FL-12**  
190 mm

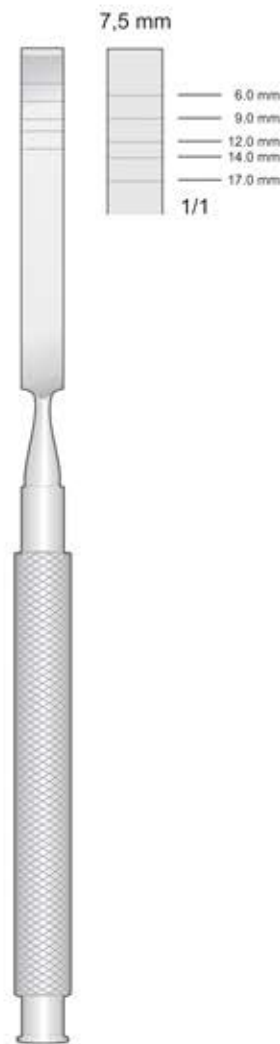
Knochenmeißel Graduiert  
 Graduated Chisels  
 Scalpelli graduati  
 Osteótomos graduado  
 Ostéotomes gradués



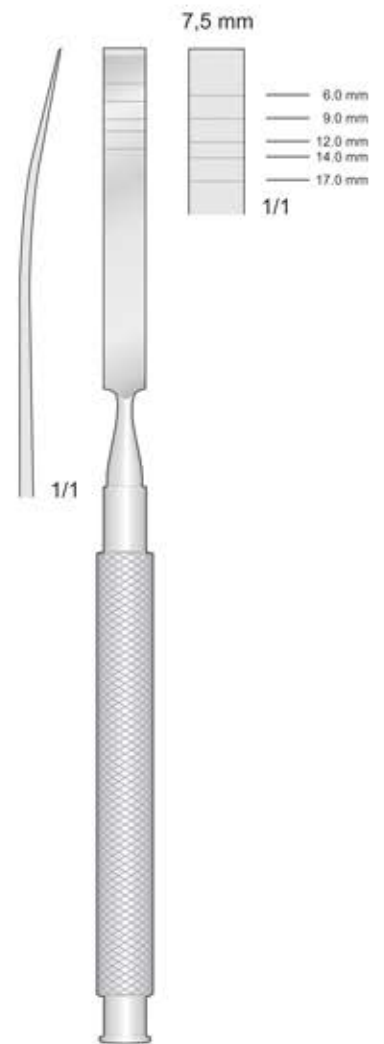
**FL-141**  
170 mm



**FL-142**  
170 mm



**FL-143**  
170 mm



**FL-144**  
170 mm

**FL-400**  
**IMPLANT SINUS LIFT OSTEOTOMES SET**  
FL-391 + FL-392 + FL-393 + FL-394 + FL-395 + FL-396 + FL-397 + FL-398 + FL-399  
(1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9)  
+ BS-60 (Stainless Steel Container)



# 1  
Ø 2.5 mm



**FL-391**  
155 mm

# 2  
Ø 2.5 mm



**FL-392**  
155 mm

# 3  
Ø 2.5 mm



**FL-393**  
155 mm

# 4  
Ø 2.5 mm



**FL-394**  
155 mm

# 5  
Ø 2.5 mm



**FL-395**  
155 mm

**FL-400M**  
**COMPLETE IMPLANT SINUS LIFT OSTEOTOMES SET**  
 FL-389 + FL-390 + FL-391 + FL-392 + FL-393 + FL-394 + FL-395 + FL-396 + FL-397 + FL-398 + FL-399  
 (00 + 0 + 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9)  
 + BS-60 (Stainless Steel Container)



# 6  
 Ø 2.5 mm



**FL-396**  
 155 mm

# 7  
 Ø 2.5 mm



**FL-397**  
 155 mm

# 8  
 Ø 2.5 mm



**FL-398**  
 155 mm

# 9  
 Ø 3.1 mm



**FL-399**  
 155 mm

# 00  
 Ø 3.0 mm



**FL-389**  
 155 mm

# 0  
 Ø 3.0 mm



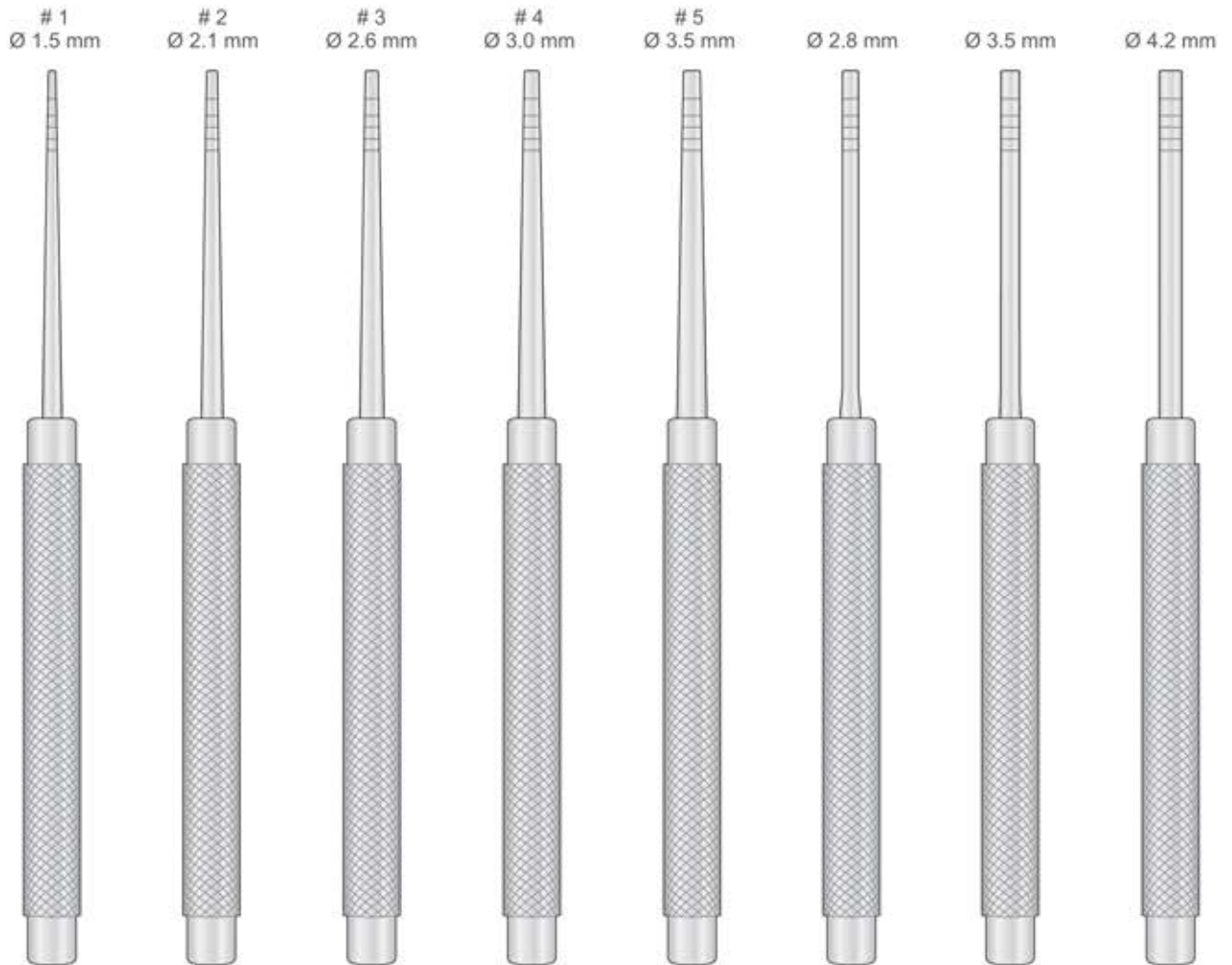
**FL-390**  
 155 mm



# 1 Diam.	# 2 Diam.	# 3 Diam.	# 4 Diam.	# 5 Diam.
0 Ø 1.50	0 Ø 2.10	0 Ø 2.60	0 Ø 3.00	0 Ø 3.50
5 Ø 1.90	5 Ø 2.60	5 Ø 3.00	5 Ø 3.50	5 Ø 3.90
8 Ø 2.20	8 Ø 2.80	8 Ø 3.30	8 Ø 3.80	8 Ø 4.20
10 Ø 2.40	10 Ø 3.00	10 Ø 3.50	10 Ø 4.00	10 Ø 4.40
12 Ø 2.60	12 Ø 3.20	12 Ø 3.70	12 Ø 4.20	12 Ø 4.60
14 Ø 2.80	14 Ø 3.40	14 Ø 3.90	14 Ø 4.40	14 Ø 4.80

Straight  
Gerade  
Droit  
Recto  
Diritto

Bone Pusher



**FL-292**  
55 mm

**FL-293**  
155 mm

**FL-294**  
155 mm

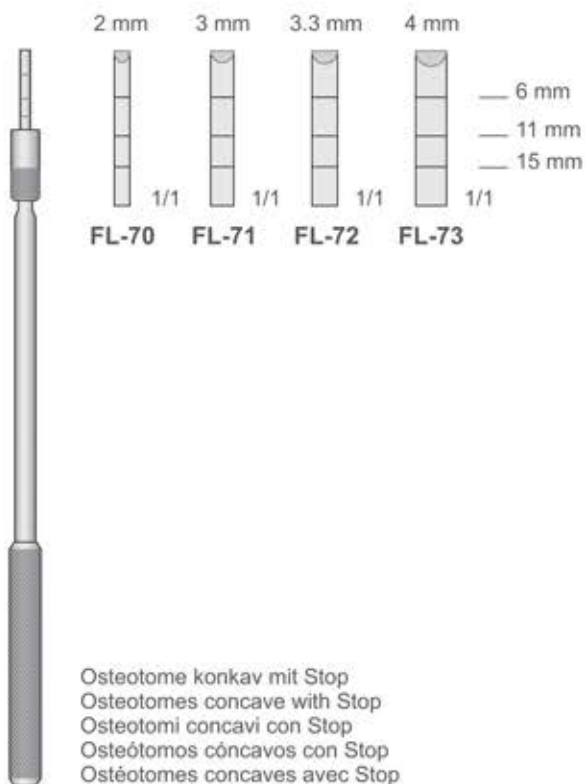
**FL-295**  
155 mm

**FL-296**  
155 mm

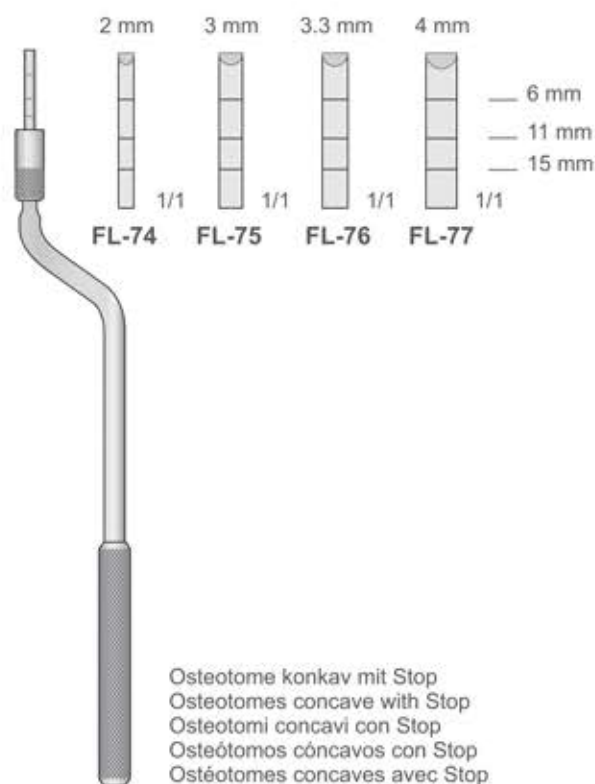
**FL-297**  
155 mm

**FL-298**  
155 mm

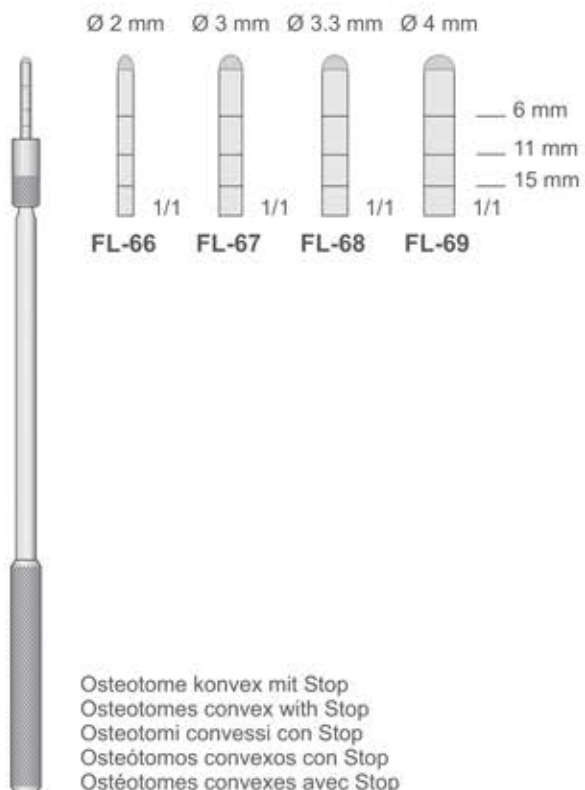
**FL-299**  
155 mm



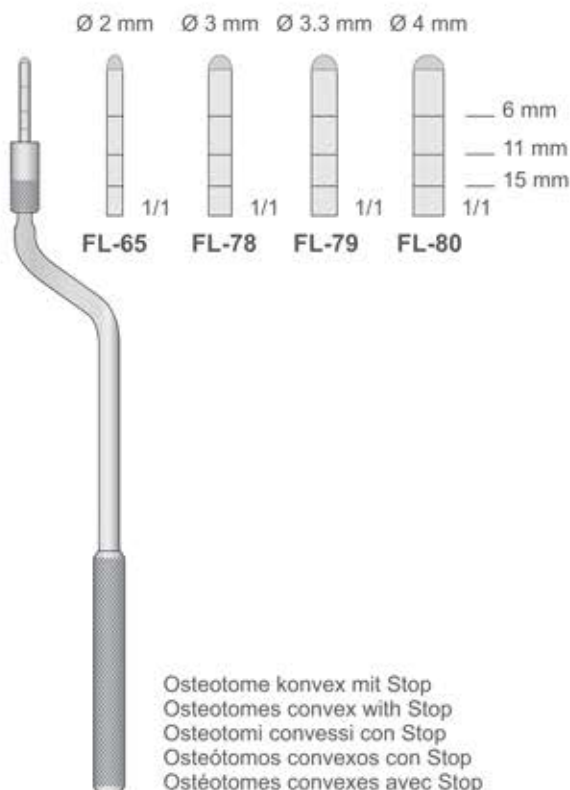
**FL-70/FL-73**  
165 mm



**FL-74/FL-77**  
165 mm



**FL-66/FL-69**  
165 mm



**FL-65/FL-80**  
160 mm



Dilatator  
Dilator  
Dilatatori  
Dilatador  
Dilatateur

A-Form



Spreader  
Spreader  
Expansori  
Expansor  
Expandeur

D-Form  
Convex Tip

Ø 2 mm



FL-25  
145 mm

Ø 3 mm



FL-26  
145 mm

Ø 3.3 mm



FL-27  
145 mm

Ø 4 mm



FL-28  
145 mm

Ø 3 mm



FL-37  
145 mm

Ø 4 mm

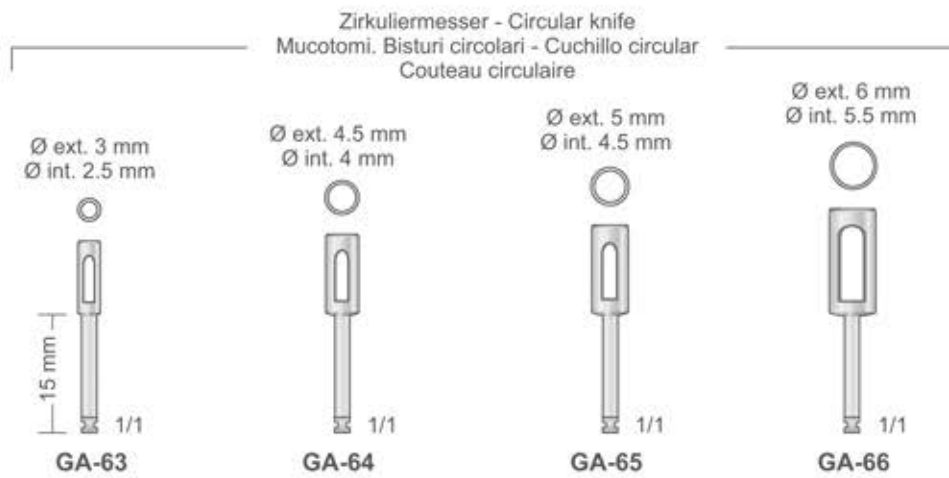
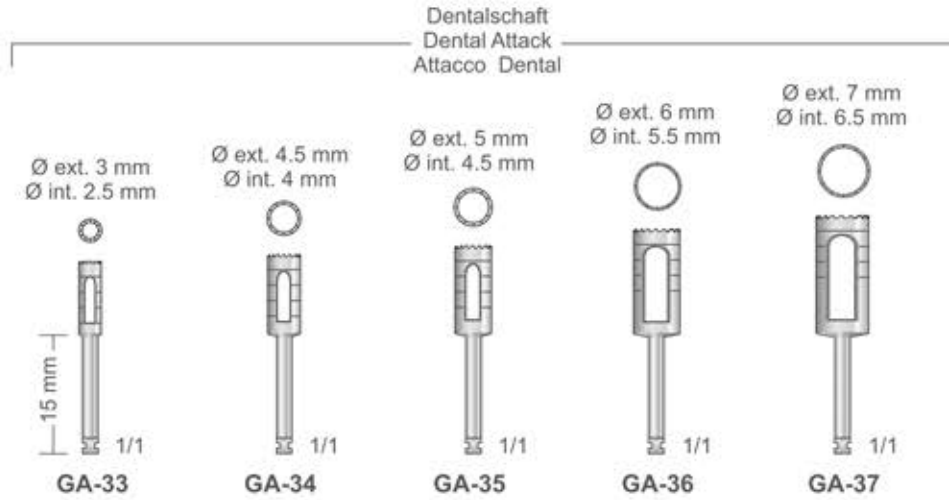


FL-38  
145 mm

Ø 5 mm

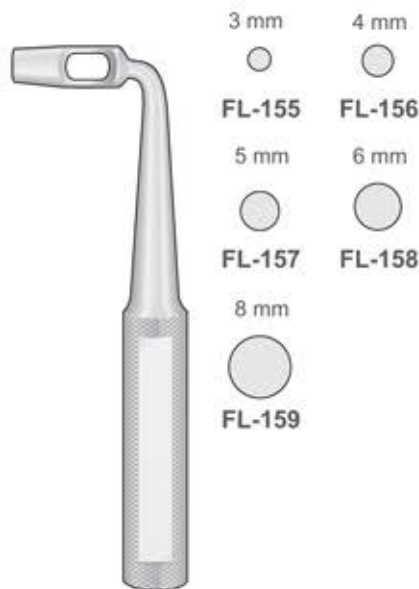
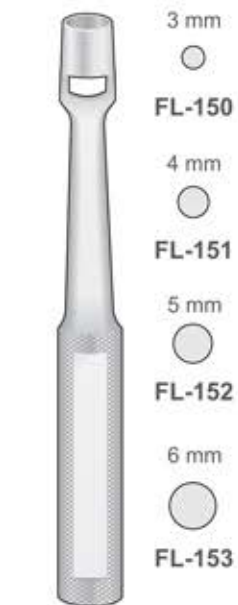


FL-39  
145 mm



Hautstanzen - Tissue punches  
Mucotomi Punches - Instrumentos para cortar tejidos  
Instruments à couper le tissu

Implant Graduierung  
Implant depth gauge with ball end  
Sonda per controllare la profondità del sito  
Sonda para controlar la profundidad



KEYES  
FL-150/FL-153  
100 mm

KEYES  
FL-155/FL-159  
90 mm

GA-60  
100 mm



**MIR-30**  
130 mm



**MIR-31**  
130 mm



**MIR-32**  
130 mm



**MIR-33**  
130 mm

**BONE EXPANDERS**  
Distraktoren für Knochenleiste  
Distracteurs de crête osseuse  
Expansores de cresta ósea  
Distrattori per cresta ossea

**TUNNELING INSTRUMENTS**

Tunnelierinstrumente | Instruments pour tunnellation | Instrumentos para tunelización | Strumenti per tunneling



**UST-1/2ML**



**UST-1/2MS**



**UST-KPA**



**USS-YG7/8**



**UST-MP**



**UST-MPA**

Knochenschale  
Bone Well  
Bacinella per osso  
Cubeta para hueso  
Cuvette à os



Rostfrei  
Stainless Steel  
Acciaio inossidabile  
Acero inoxidable  
Acier Inoxydable

**SS-65**  
35 mm

Absaugkanülen für Knochen, mit 1 Filter  
Suction tube for bone, with 1 filter  
Cannule d'aspiration con trattenuta osso, con 1 filtro  
Cánulas aspiradoras para hueso, con 1 filtro  
Canule à aspiration d'os avec 1 filtre

Knochenfilter  
Bone Filter  
Filtro per osso  
Filtro de hueso  
Filtre d'os

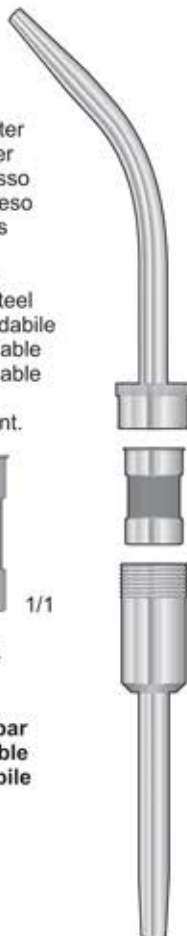
Rostfrei  
Stainless Steel  
Acciaio inossidabile  
Acero inoxidable  
Acier Inoxydable

Ø 10 mm int.



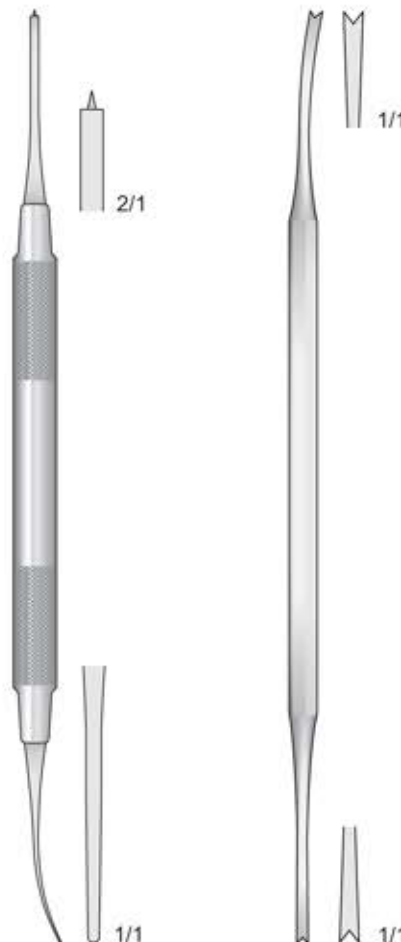
**GF-134**  
20 mm

Sterilisierbar  
Autoclavable  
Autoclavabile



**GF-133**  
180 mm

Membranplatzierungsinstrumente  
Membrane Placement Instruments  
Strumenti per posizionare membrana  
Instrumentos para colocar membranas  
Instruments d'application de membrane



**MPI-1**  
185 mm

**LUNIATSCHEK  
PF-6**  
170 mm

Aufbring Instrument  
für Knochenmaterial  
Applicator for bone material  
Aplicatore per materiale osseo  
Cucharillas para huesos  
Curettes à os

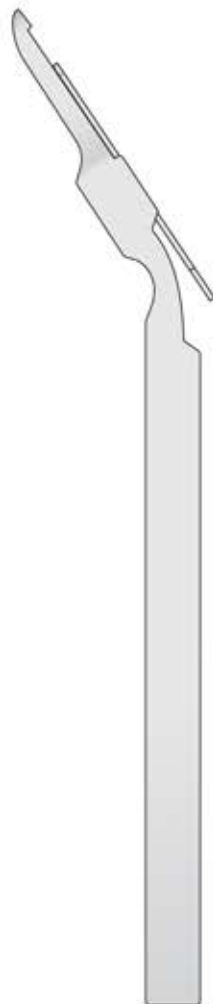


**IM-15**  
180 mm

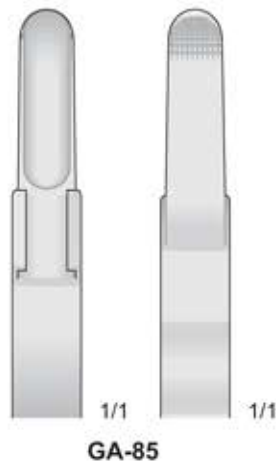
Multiple use, Replaceable blades  
Ideale per il prelievo di osso autologo



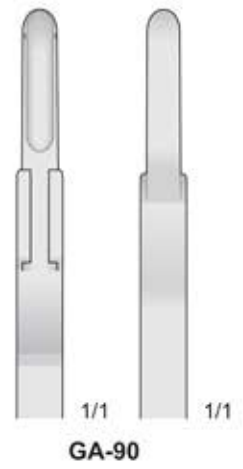
GA-80  
155 mm



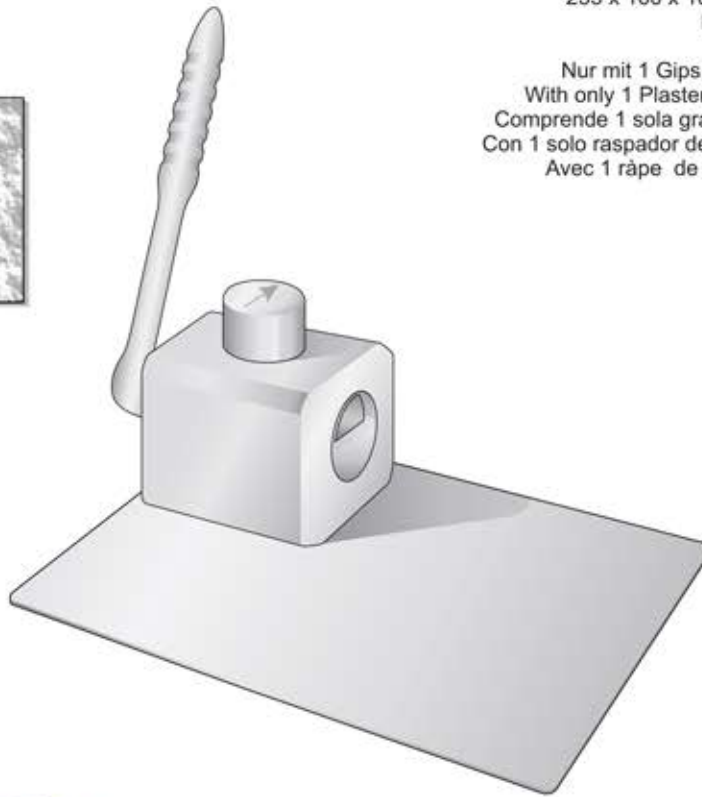
GA-85  
155 mm



GA-90  
155 mm



Crushed Knochen  
Bone chips  
Cips macinato  
Hueso triturado  
Os broyé



GABON  
**GA-100**  
235 x 160 x 100 mm  
Kg 4,5

Nur mit 1 Gips Reibe  
With only 1 Plaster Rasp  
Comprende 1 sola grattugia  
Con 1 solo raspador de corte  
Avec 1 râpe de coupe

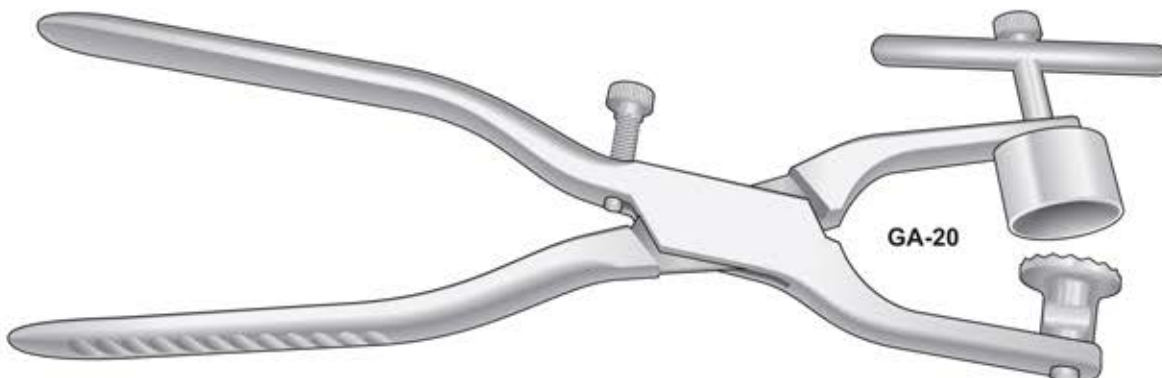
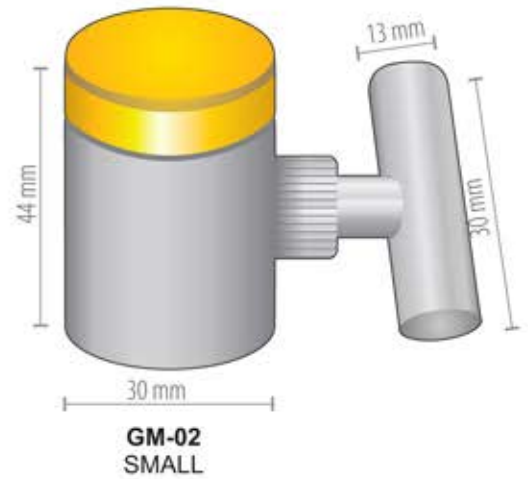
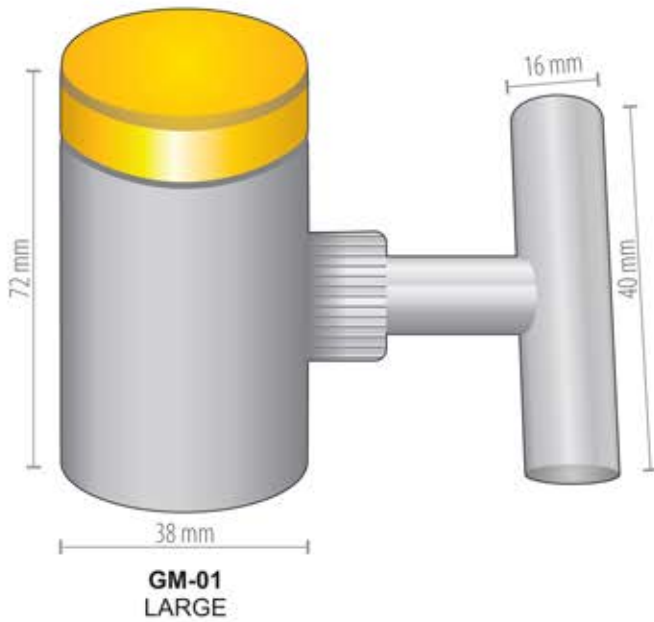
**GA-95**  
Abnehmbarer Griff  
Removable handle  
Manico ad innesto  
Mango desmontable  
Poignée amovible  
195 mm

**GA-96**  
Knochenbehälter  
Container for bones  
Vaschetta porta-osso con presa  
Contenedor para hueso  
Container à os

**GA-97**  
Oberer Knochendrücker  
Superior bone presse  
Tassello spingi-osso superiore  
Pulsador superior  
Poussoir d'os supérieur

**GA-98**  
Gips Reibe Fein #1  
Plaster Rasp Fine #1  
Grattugia per CIPS fine #1  
Raspador de corte fino #1  
Râpe pour chips fin #1

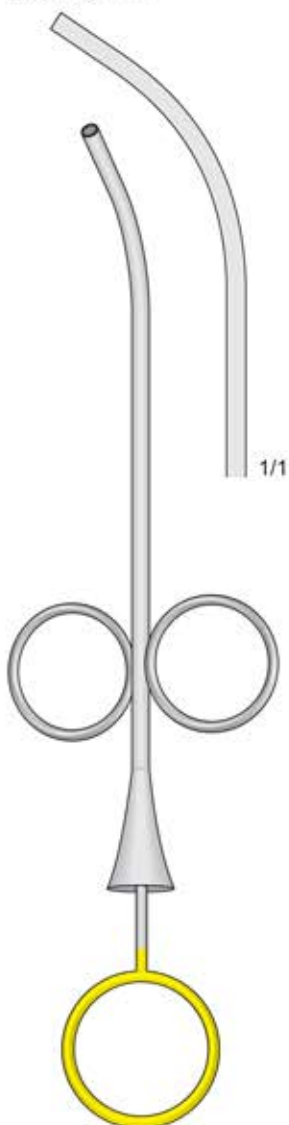
**GA-99**  
Gips Reibe Groß #2  
Plaster Rasp Large #2  
Grattugia per CIPS grossi #2  
Raspador de corte grande #2  
Râpe pour chips large #2





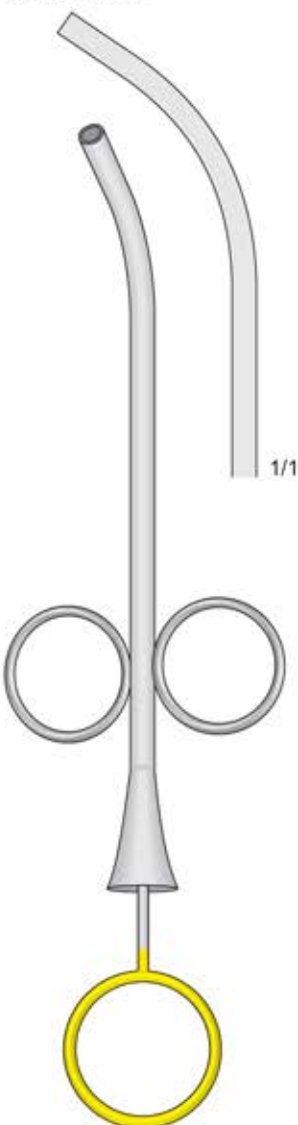
Graft Materials  
Syringes

Ø int. 2,5 mm  
Ø ext. 3,5 mm



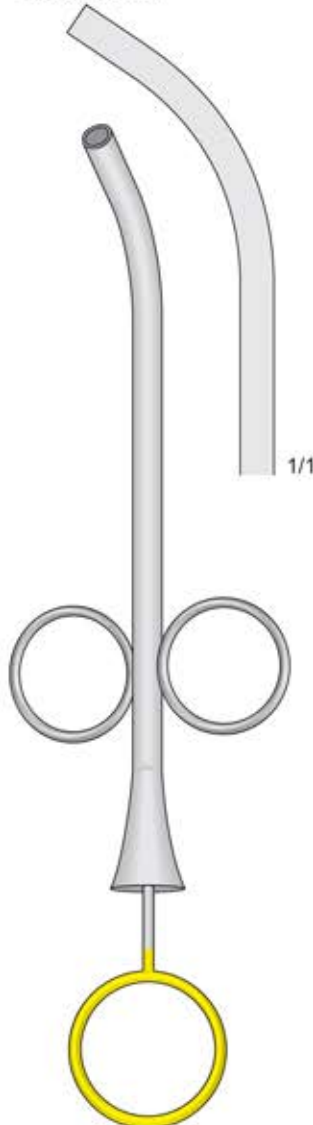
**SS-60M**  
160 mm

Ø int. 3,5 mm  
Ø ext. 4,5 mm



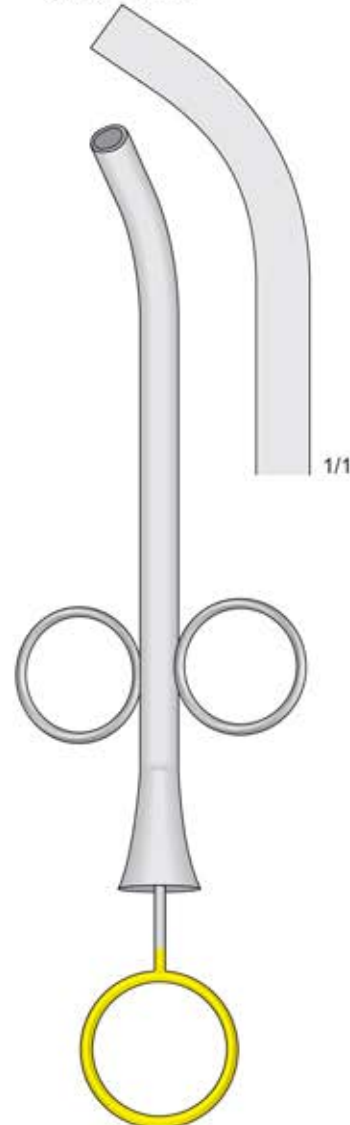
**SS-61M**  
160 mm

Ø int. 4,4 mm  
Ø ext. 5,5 mm



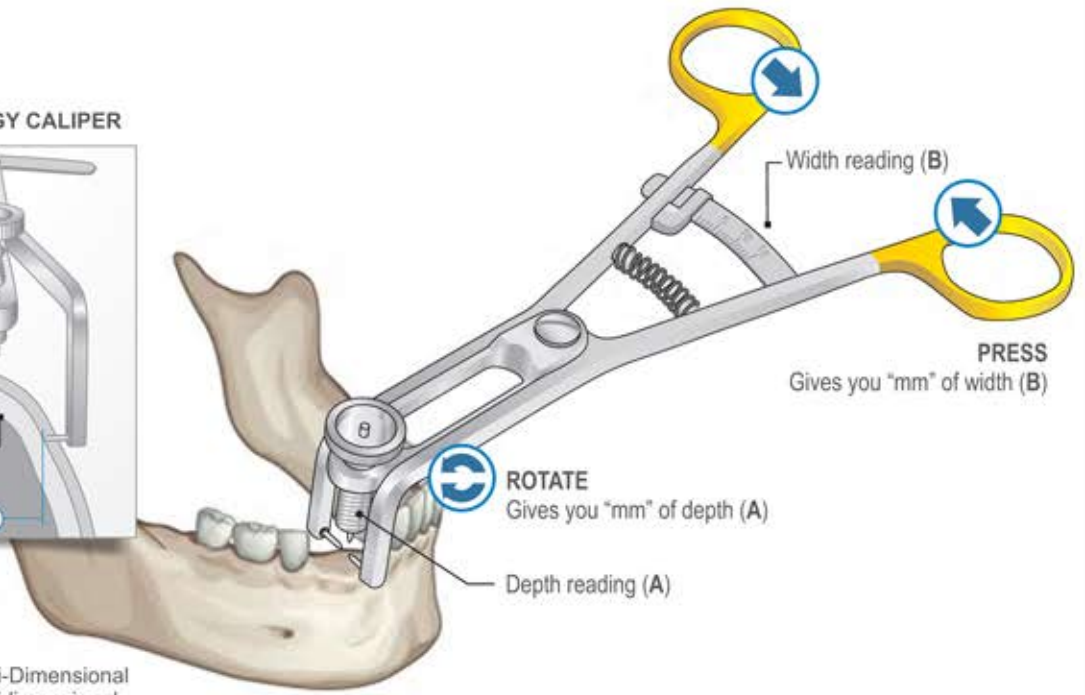
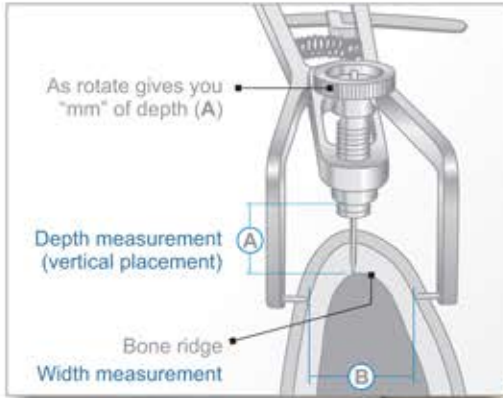
**SS-62M**  
160 mm

Ø int. 6 mm  
Ø ext. 7 mm



**SS-64M**  
160 mm

**TRIDIMENSIONAL IMPLANTOLOGY CALIPER**

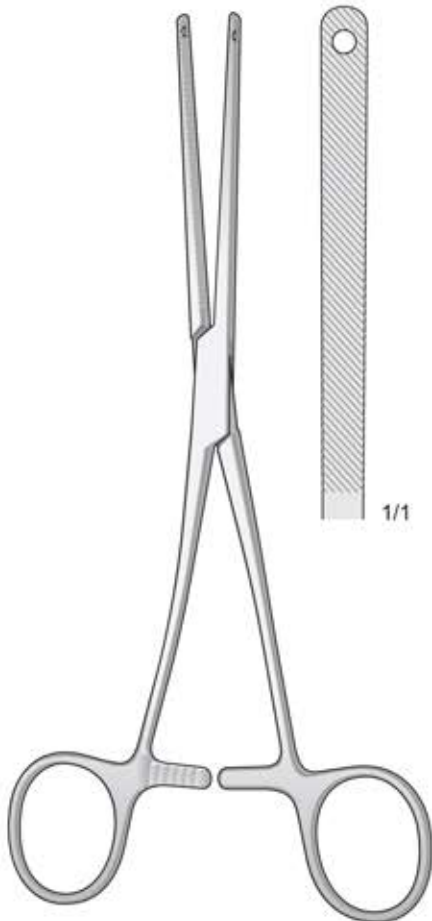


**DB-300**

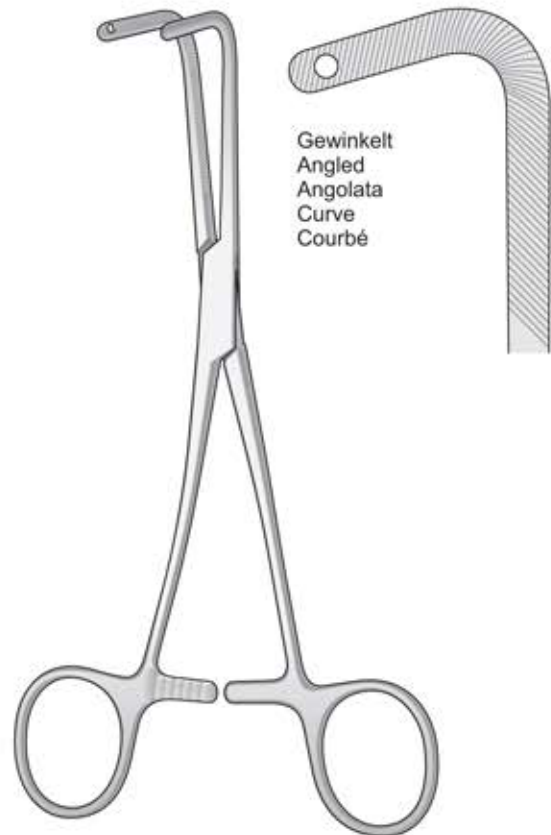
Schieblehre für Implantologie  
 Implantology Calliper  
 Calibro per Implantologie  
 Calibre para Implantologia  
 Calibre pour Implantologie

Trei-Dimensional  
 Tridimensional  
 Tridimensionale  
 Tridimensional  
 Tridimensionnel

**Bohrzangen für Knochen-Transplantate**  
 Bone graft holding and drilling forceps  
 Pinza di fissaggio Graft  
 Pinzas para coger y taladrar óseo



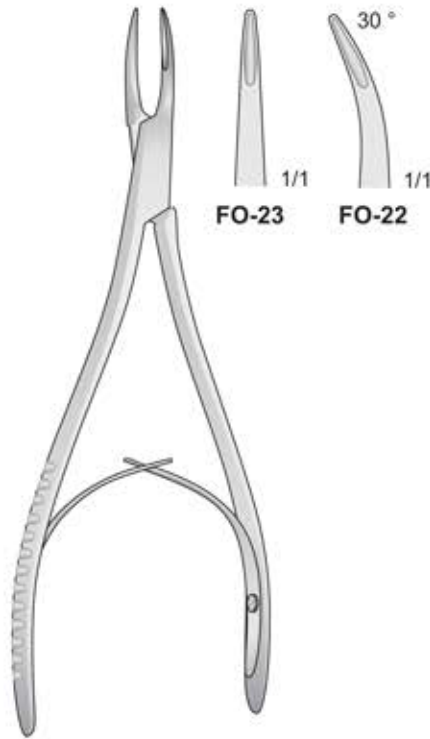
**P-340**  
220 mm



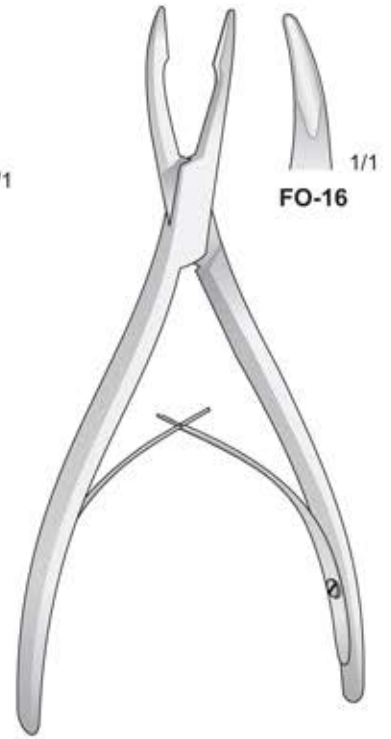
**P-341**  
200 mm



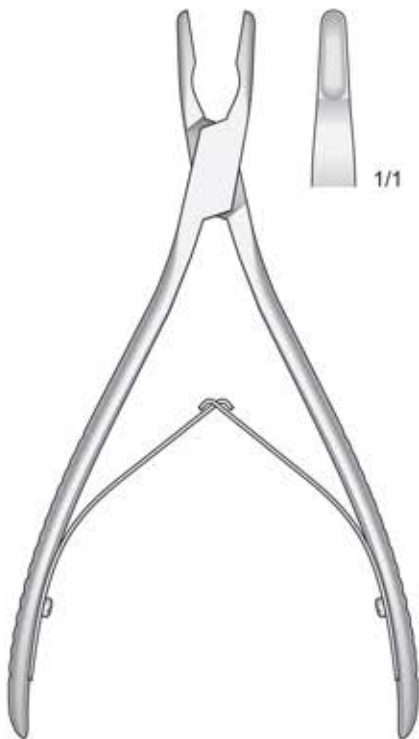
MINI-FRIEDMANN  
FO-220  
150 mm



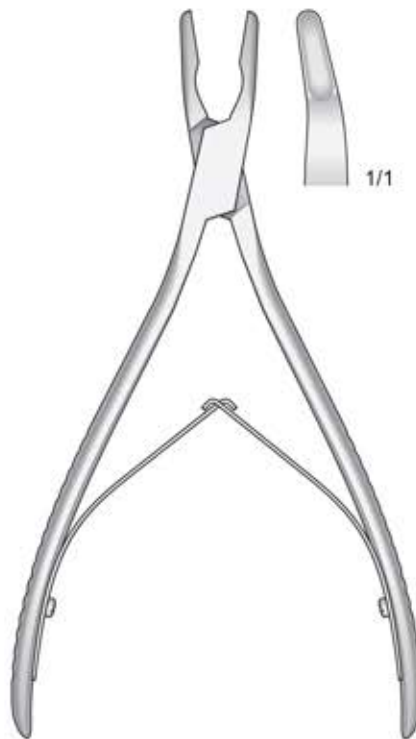
MINI-FRIEDMANN  
FO-22/FO-23  
150 mm



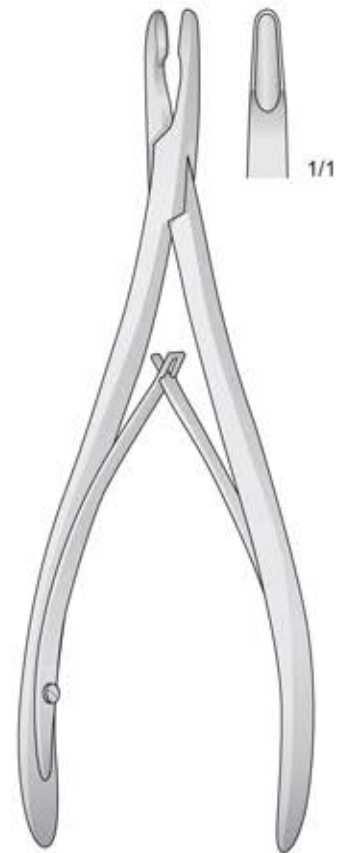
FRIEDMANN  
FO-16  
160 mm



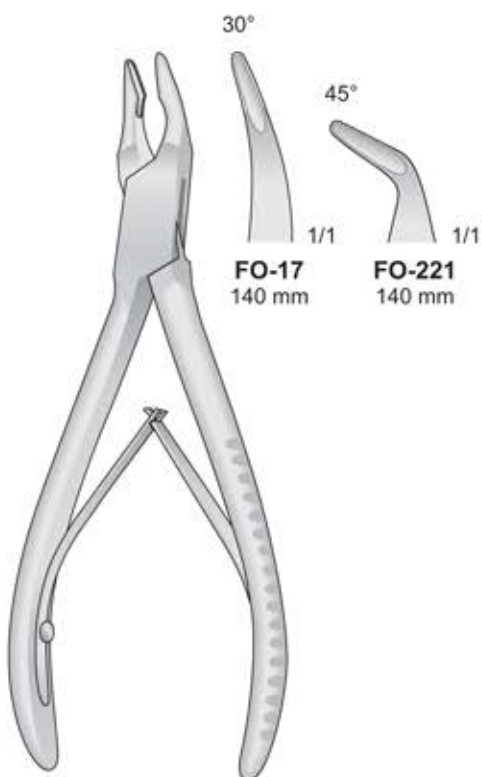
LEMPERT  
FO-229  
155 mm



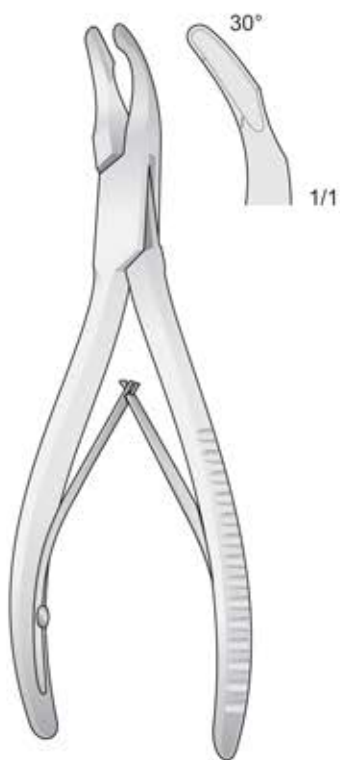
LEMPERT  
FO-230  
155 mm



LEMPERT  
FO-25  
190 mm



FRIEDMANN  
FO-17/FO-221  
140 mm

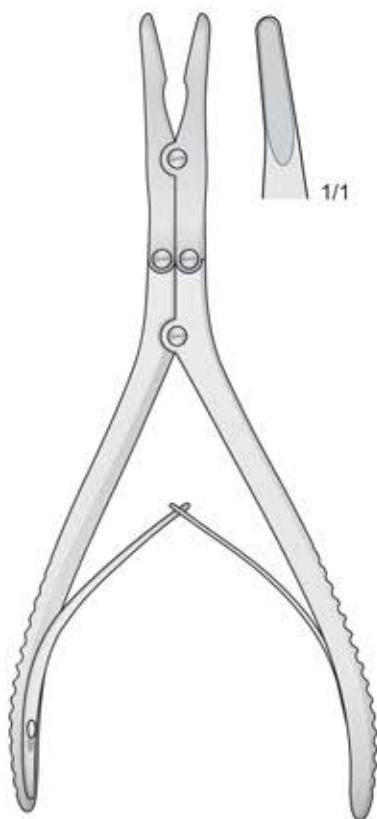


CLEVELAND  
FO-231  
140 mm

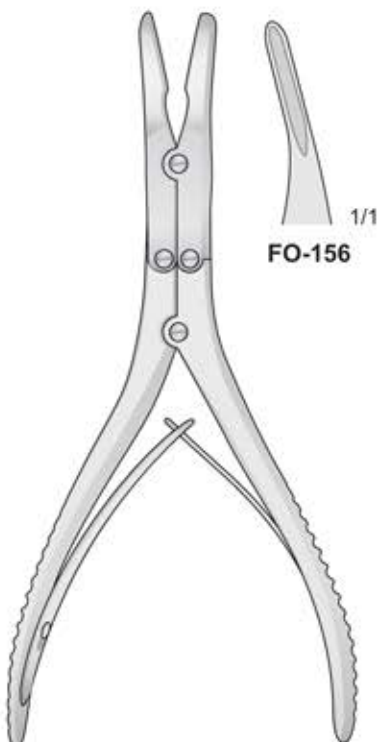
Knochensplitterzange  
Bone cutting forcep  
Pinza tagliente per ossa  
Pinzas cortante para huesos  
Pinces coupantes à os



CLEVELAND  
FO-233  
150 mm

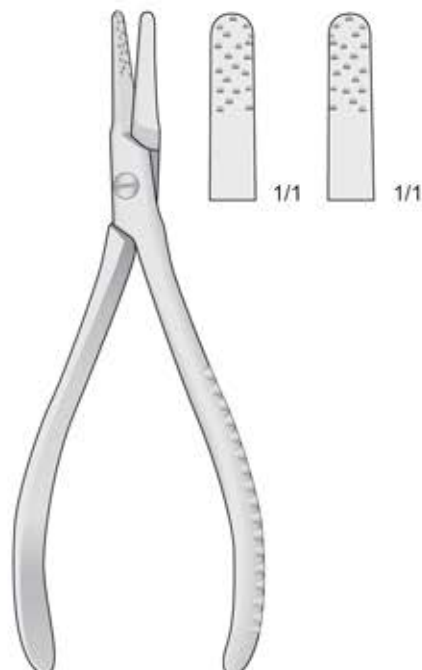


BEYER  
FO-20  
180 mm

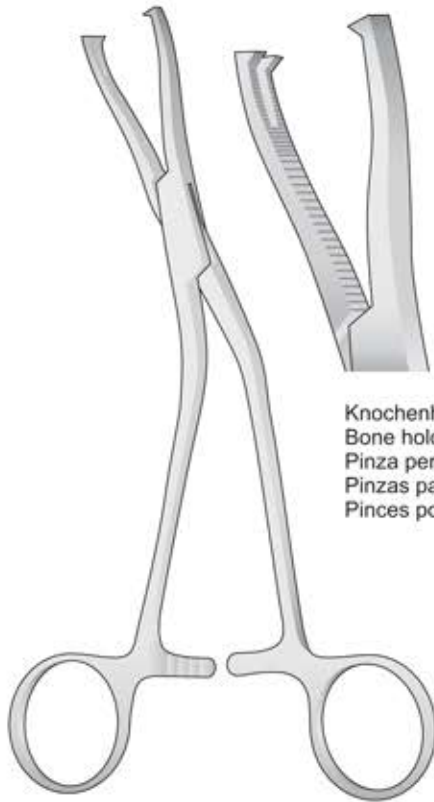


KLEINERT-KUTZ  
FO-156  
155 mm

Knochenhalteforceps  
Bone holding forceps  
Pinza per fissare l'osso  
Pinzas para coger huesos  
Pinces pour tenir l'os



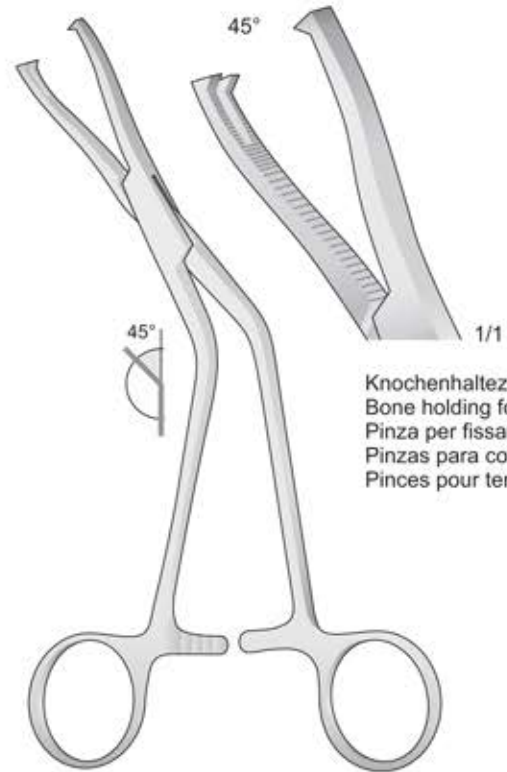
RADOLF  
FO-159  
135 mm



Knochenhaltezange  
Bone holding forceps  
Pinza per fissare l'osso  
Pinzas para coger huesos  
Pinces pour tenir l'os

DINGMANN - Mod. Fenestrated Jaw  
**FO-131**  
190 mm

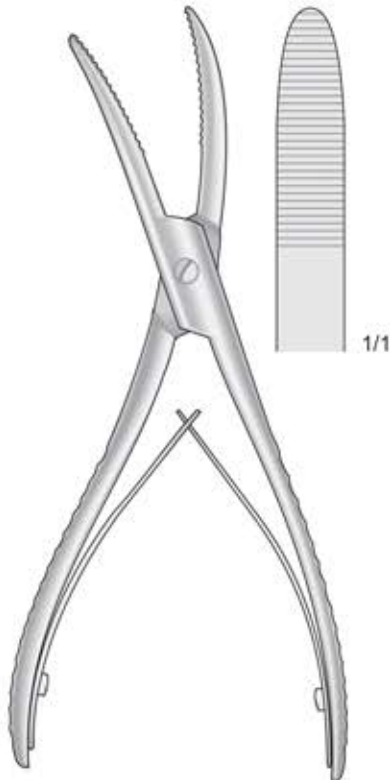
Knochenquetsche - Bone Crusher  
Pinza per modellare l'osso - Aplastador óseo  
Broyeur d'os



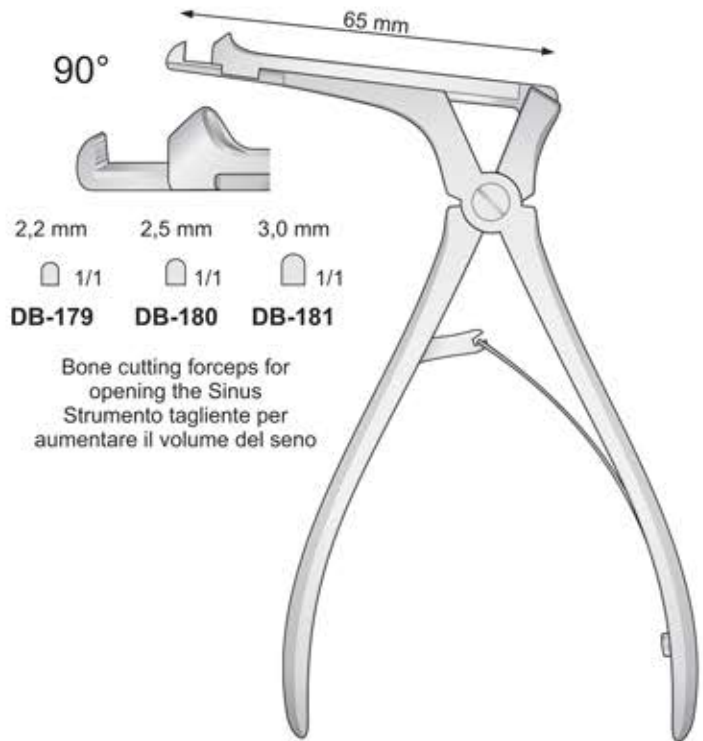
Knochenhaltezange  
Bone holding forceps  
Pinza per fissare l'osso  
Pinzas para coger huesos  
Pinces pour tenir l'os

DINGMANN - Mod. Fenestrated Jaw  
**FO-131M**  
190 mm

Knochenstanze - Bone rongeur  
Pinza per osso - Pinza gubia  
Pince gouge



WOLFF  
**LX-113**  
180 mm



2,2 mm 2,5 mm 3,0 mm  
1/1 1/1 1/1  
**DB-179 DB-180 DB-181**

Bone cutting forceps for  
opening the Sinus  
Strumento tagliente per  
aumentare il volume del seno

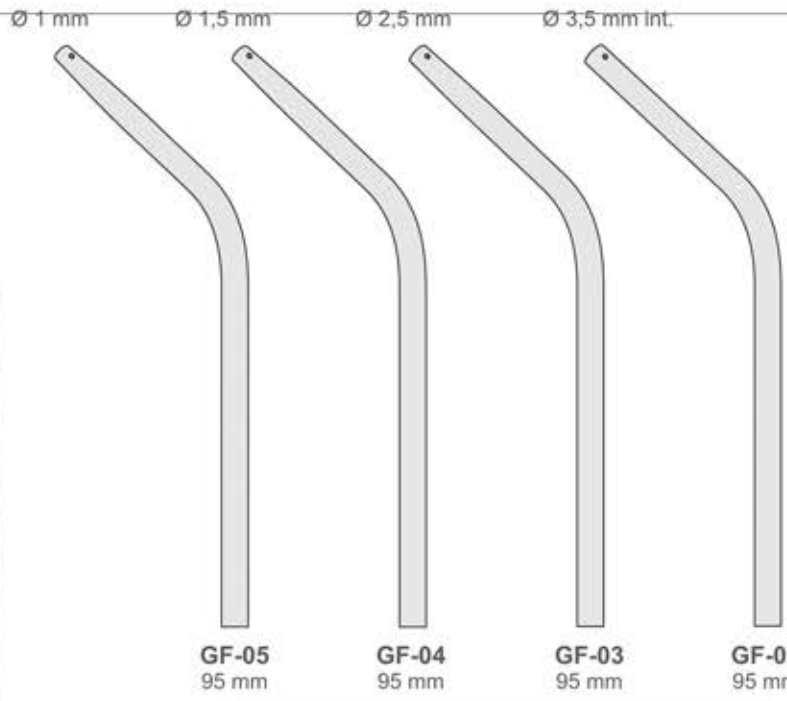
CITELLI  
**DB-179/DB-181**



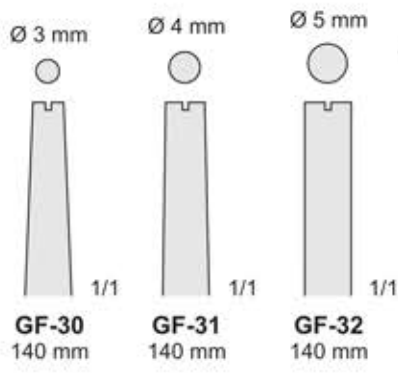
**TS-40**  
Connection piece for suction  
75 mm - 100% Stainless Steel



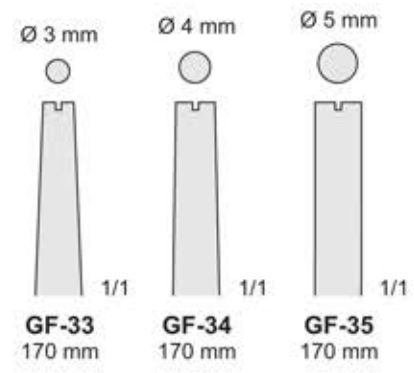
**COUPLAND GF-01**  
150 mm



**COMPLETE SET GF-11**  
(GF-01 + GF-02 + GF-03 + GF-04 + GF-05)  
Griff + 4 Kanülen  
Handle + 4 tubes  
Manico + 4 cannule  
Mango + 4 cánulas  
Manche + 4 canules



**GF-30** 140 mm  
**GF-31** 140 mm  
**GF-32** 140 mm



**GF-33** 170 mm  
**GF-34** 170 mm  
**GF-35** 170 mm



**GF-30/GF-32**

**GF-33/GF-35**

Spülkanüle - Irrigation Needle  
 Aghi da lavaggio per ripulitura seno mascellare  
 Aguja de instilacion - Aiguilles d'irrigation

Ø 1 mm



1/1

HEPARIN  
**OL-07** 60 mm  
**OL-25** 80 mm

Ø 1,5 mm



1/1

HEPARIN  
**OL-08** 60 mm  
**OL-26** 80 mm

Metallschalen  
 Stainless Steel Bowls  
 Capsule inox con fondo piano e becco  
 Cubetas de acero inox  
 Cuvettes de acier inox



**CS-01** Ø 40 mm 15 cc  
**CS-02** Ø 60 mm 75 cc  
**CS-03** Ø 80 mm 225 cc  
**CS-04** Ø 100 mm 325 cc  
**CS-05** Ø 120 mm 500 cc

Ø ext. 8 mm  
 Ø int. 6 mm  
 1/1



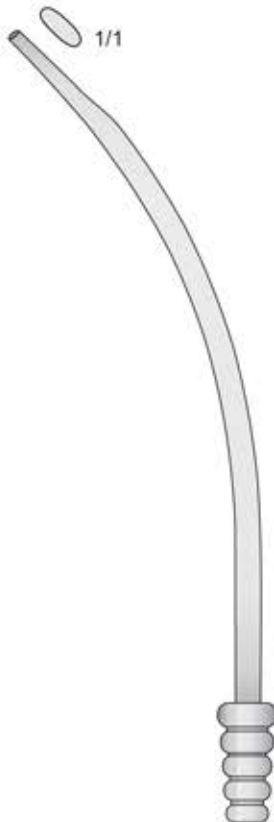
PELTON-CRANE  
**GF-184**  
 140 mm

Ø ext. 5 mm  
 Ø int. 2,5 mm  
 1/1

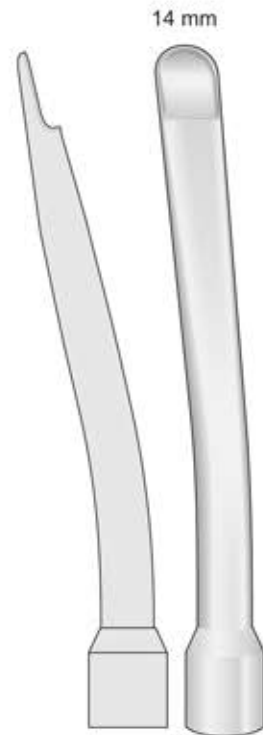


PELTON-CRANE  
**GF-180**  
 160 mm

1/1



**GF-20**  
 160 mm



14 mm

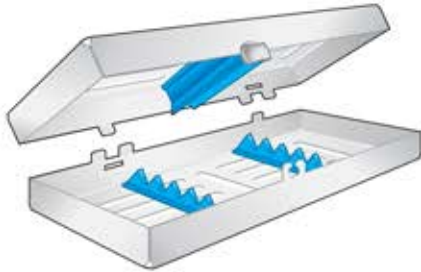
Ø 11 mm

**GF-206**  
 130 mm

Ø 4 mm  
 Ø 5 mm



ADSON  
**GF-41** ch. 12  
**GF-42** ch. 15  
 210 mm



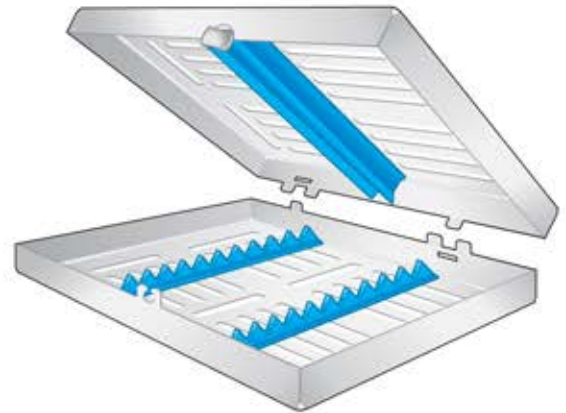
**Stainless Steel Sterilization Containers with silicone racks**

Rostfreier Stahl Sterilcontainer mit Silikoneinrichtung

Containers pour stérilisation en acier inoxydable avec des supports de silicone

Contenedores para esterilización en acero inoxidable con soportes en silicona

Contenitori per sterilizzazione in acciaio inossidabile con griglia in silicone



**BS-59**  
185 x 75 x 35 mm

For 5 instruments  
Für 5 Instrumente  
Pour 5 instruments  
Para 5 instrumentos  
Per 5 strumenti

**BS-60**  
185 x 135 x 35 mm

For 10 instruments  
Für 10 Instrumente  
Pour 10 instruments  
Para 10 instrumentos  
Per 10 strumenti

**BS-61**  
290 x 185 x 35 mm

For 20 instruments  
Für 20 Instrumente  
Pour 20 instruments  
Para 20 instrumentos  
Per 20 strumenti

**CT-555**  
**CT-560**  
**CT-565**



**Sterilization Containers with perforation in lid and bottom**

Sterilcontainer mit Deckel- und Bodenperforation  
Containers pour stérilisation avec perforations du couvercle et du fond  
Contenedores para esterilización con tapa y fondo perforados  
Contenitori per sterilizzazione con coperchio e fondo perforato

**CT-651**  
**CT-652**  
**CT-653**



**Aluminium - Autoclavable**  
Aluminium - Autoklavierbar  
Aluminium - Autoclavable  
Aluminio - Autoclavable  
Alluminio - Autoclavabile

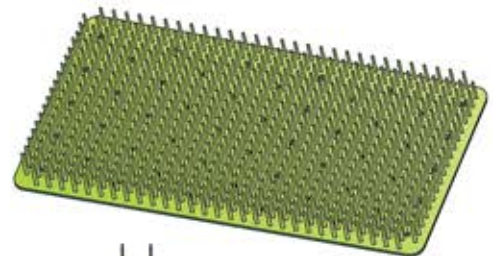


**CT-555**  
300 x 140 x 40 mm  
**CT-651**  
310 x 190 x 40 mm

**CT-560**  
300 x 140 x 70 mm  
**CT-652**  
310 x 190 x 65 mm

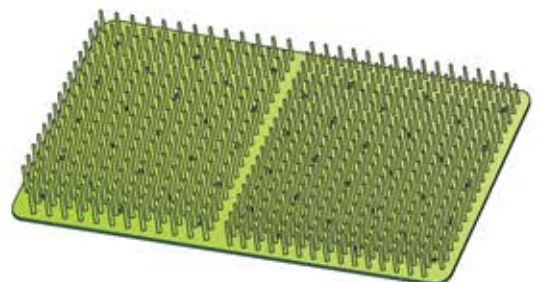
**CT-565**  
300 x 140 x 100 mm  
**CT-653**  
310 x 190 x 130 mm

**Silicon Mat - Autoclavable**  
Silikon Noppenmatten - Autoklav  
Tapis en silicone - Autoclave  
Tapiz de silicona - Autoclave  
Tappeti di silicone - Autoclavabile



6 mm

**TS-103**  
260 x 120 mm



8 mm 10 mm

**TS-104**  
270 x 180 mm



# A1-Z1

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Alphanumerischen Index  
Index alphanumérique  
Índice alfanumérico  
Indice alfanumerico

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718-24G	26	BD-373	11	EN-M3	31	FL-12R	36	FL-399	39
718-215	28	BS-59	56	EN-M4	31	FL-25	43	FL-400	38
718-216	28	BS-60	38, 39, 56	EN-M5	31	FL-26	43	FL-400M	39
718-EN1	31	BS-61	56	EN-M6	31	FL-27	43	FL-404	35
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718-EN3	31	BT-2	29	ES-13	18	FL-31	33	FL-412	35
718-GF14	26	BT-05	23	ES-27	26	FL-35	33	FL-413	35
718-M23A	30	BT-06	23	ES-44	9	FL-37	43	FL-414	35
718-M8	27	BT-07	23	FD-21	13	FL-38	43	FL-415	35
718-M9	26	BT-07M	23	FD-22	13	FL-39	43	FL-416	35
718-PR3	26	BT-20	20	FD-23	13	FL-65	42	FM-100	5
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720-86	30	BT-26	24	FD-28	13	FL-67	42	FM-126	4
720-87	30	BT-27	24	FD-29	13	FL-68	42	FM-127	4
720-88	30	BT-29	24	FD-30	13	FL-69	42	FO-16	51
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GF-134	46	MF-102	9	P-95	15		
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# Maintenance Cycle and Tips

## Surgical Instrument Spa Cycle



- Remove gross soil.
- Place the instruments in aldehyde-free disinfectant bath.
- Rinse in running water.
- Disassemble where possible.
- Soak in cleaning solution.
- Brush, operate moving parts.
- Rinse in running water and inspect.
- Place on absorbent paper.

- Soak in ultrasonic bath.
- Clean with brushes.
- Rinse in running water.
- Soak in disinfectant solution.
- Clean with brushes again.
- Rinse in running water.
- Dry (compressed air, wipes or oven).

- Visual inspection. Functional check.
- Use sharpening stones Arkansas or India with lubricating and sharpening oil (DB-OL).
- Evaluate the cutting edge with a teflon testing stick (repeat sharpening if necessary).
- Lubricate moving parts with high density lubricant (DB-OL).
- Use Cleanlact milk (anticorrosive and bacteriostatic detergent / anti-rust finish).

- Store in sterilization cassettes or containers.
- Single or double packaging.
- Use steam sterilization (autoclave), chemical sterilization (chemiclave) or dry heat sterilization.

- Control environment.
- Control shelf life.
- Ready to use or storage.

### SHARPEN YOUR INSTRUMENTS

**Why?**  
Surgical Instruments should be kept identical to their original design. Surgical procedures are most effective when using sharp instruments as they reduce hand and wrist fatigue, improve calculus removal, save time, improve tactile sensitivity, and minimize patient discomfort.

**When?**  
Instruments should be sharpened lightly after each use; there are two ways to evaluate whether the cutting edge is dull and requires sharpening:

- Visual:** The cutting edge should be inspected regularly in a good light (and if possible, under magnification). If the cutting edge is blunt it will be rounded and reflect the light. A dull, non-reflective line indicates sharpness.
- Teflon Test Stick (DB-15):** If the blade of the instrument runs smoothly over the testing stick, then it is blunt. A sharp instrument will grab into the stick and removes small fragments of the plastic.

**How?**  
Generally, the instruments should be sharpened following this procedure:

- Place one drop of sharpening oil (DB-OL) on the Arkansas sharpening stone. Lubrication improves the movement of the instrument blade over the stone; also, it prevents the metal particles from clogging the stone.
- Hold the instrument in one hand, while applying the stone to the lateral surface angled with the face of the blade.
- Position the stone to contact the heel of the blade and work toward the tip, keeping the stone in contact with the blade throughout the sharpening procedure.
- Move the stone up and down with short strokes, placing more pressure on the down stroke (do not move the instrument, keep the instrument still).
- Always finish instrument sharpening with a down stroke; this will prevent a rough edge from forming and remove any flash of metal.
- Evaluate the sharpness with teflon test stick (DB-15). If the blade is still dull, re-evaluate the angle of the stone and repeat the sharpening (steps 2-6).

### SHARPENING OF SCALERS AND CURETTES

**Sickle Scaler Toe End:** the sickle scaler has a pointed tip and, therefore, the stone is held straight as it nears the tip.

**Curette Toe End:** the curette has a rounded toe, so the position of the stone is adapted around the rounded cross-section.

**Always finish instrument sharpening with a down stroke; this will prevent a rough edge from forming and remove any flash of metal.**

**SHARP AND DELICATE INSTRUMENTS**  
Scissors, needle holders or bone forceps should be cleaned manually by using cleaning brushes.

**LUBRICATION**  
Regular use of DB-OL lubricant and sharpening oil and "Cleanlact" detergent will prevent rust, corrosion, and stiff joints.

**TC INSTRUMENTS**  
Tungsten carbide instruments are more sensitive to chemicals and require special care. They should never be exposed to chemical substances or to any other corrosion chemicals.

**SHARPENING**  
Regular sharpening will enhance the life of your cutters and will improve the quality of your work.

**ULTRASOUND CLEANING**  
It is not recommended for scissors, needle holders, bone forceps and all tungsten carbide instruments.

### RINSE AND CLEAN

Immediately after surgery, rinse instruments under warm running water (NOT HOT). Use only neutral detergent (pH=7).

### ULTRASONIC CLEANING

It is recommended for regular instruments such as hand instruments and extraction forceps, following this procedure:

- Sort instruments carefully so as to include only instruments compatible with ultrasonic cleaning. Do not combine different metals (stainless, copper, chrome plated, etc.).
- Place instruments in open position. Make certain sharp edges are not touching other instruments.
- Change solution frequently to avoid accumulation of micro organisms.
- After rinsing and before sterilization, inspect and dry the instruments thoroughly.

**⚠️ Ultrasonic cleaning does not sterilize. Do not use for TC instruments, sharp and delicate instruments.**

### STERILIZATION

**Autoclave (Steam Sterilization)**  
Time: 4 - 20 min. / Temperature: 130° - 134°C (266° / 273°F)

**Chemiclave (Chemical Sterilization)**  
Time: 4 - 20 min. / Temperature: 130° - 134°C (266° / 273°F)

**Dry Heat Sterilization (not recommended)**  
Time: 60 - 90 min. / Temperature: 160° - 170°C (320° / 340°F)

**⚠️ Sterilization cannot substitute cleaning.**

### CARE OF SHARPENING STONES

After use, wipe the stone with a clean cloth to remove metal particles. Then, clean the stone by scrubbing or using ultrasound to remove lubricant before sterilization. After sterilization, lubricate with DB-OL before each use.

**⚠️ Be sure to use entire stone to prevent "grooving".**

CLEAN AND STERILIZE BEFORE USE	AUTOCLAVE	130°C	134°C	TIME
	CHEMICLAVE	266°F	273°F	

