



Bone surgery

Knochenchirurgie
Chirurgie osseuse
Cirugía ósea
Chirurgia ossea

Bone Holding Forceps

Knochenhaltezange
Daviers à os
Pinzas de sujeción para hueso
Pinze per fissare l'osso

Hand Surgery

Handchirurgie
Chirurgie de la main
Cirugía de la mano
Chirurgia della mano

Bone Rongeurs

Hohlmeißelzangen
Pinces gouges
Pinzas gubias
Pinze ossivore

Bone Cutting Scissors

Knochensplitterscheren
Ciseaux à os
Tijeras para huesos
Forbici ossivore





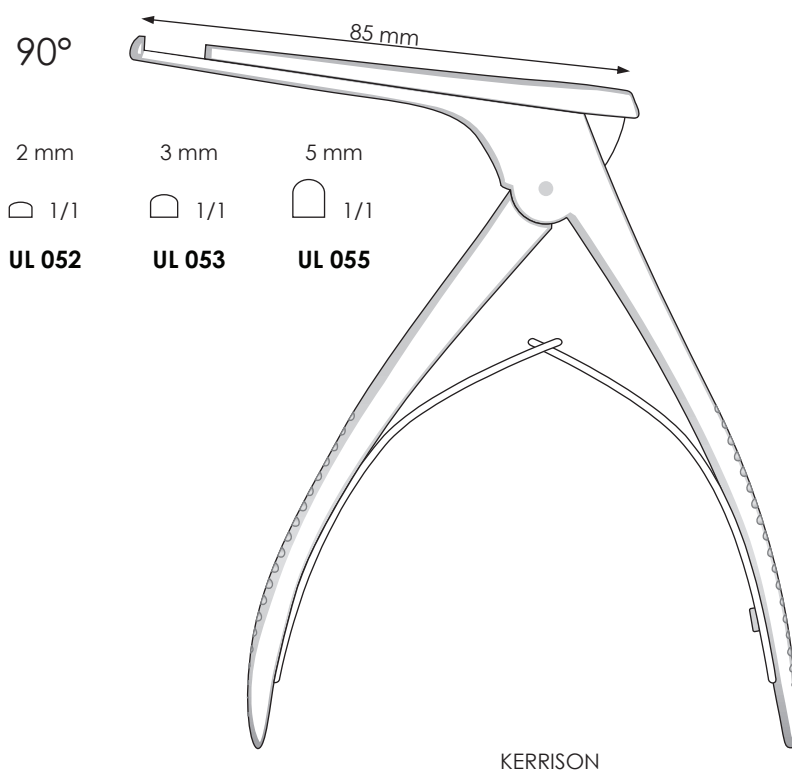
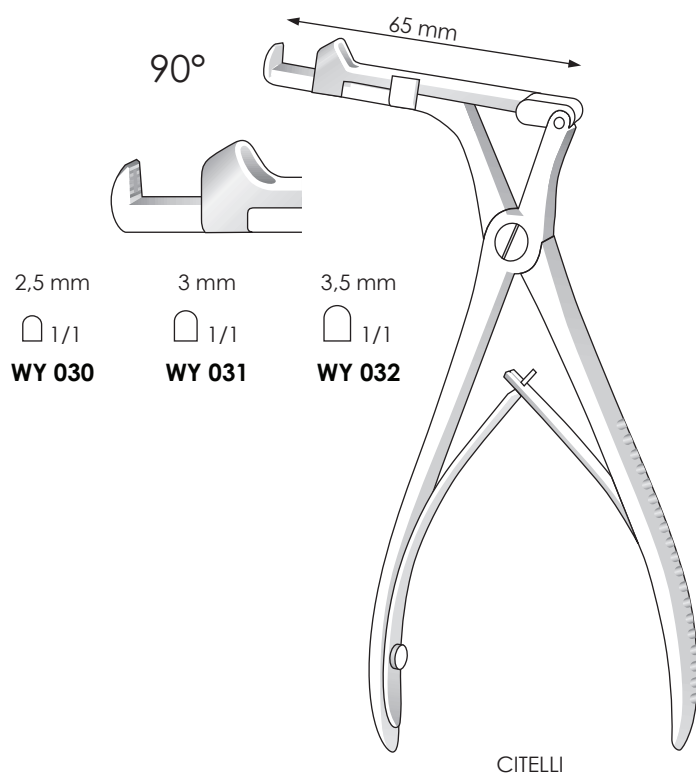
Bone cutting forceps

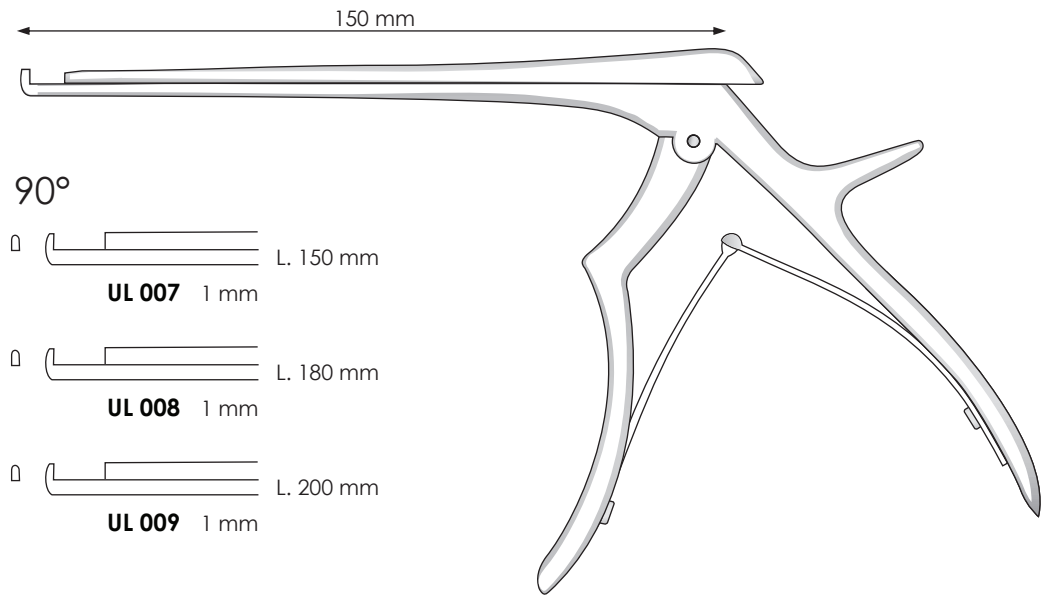
Pinze ossivore

Knochensplitterzangen

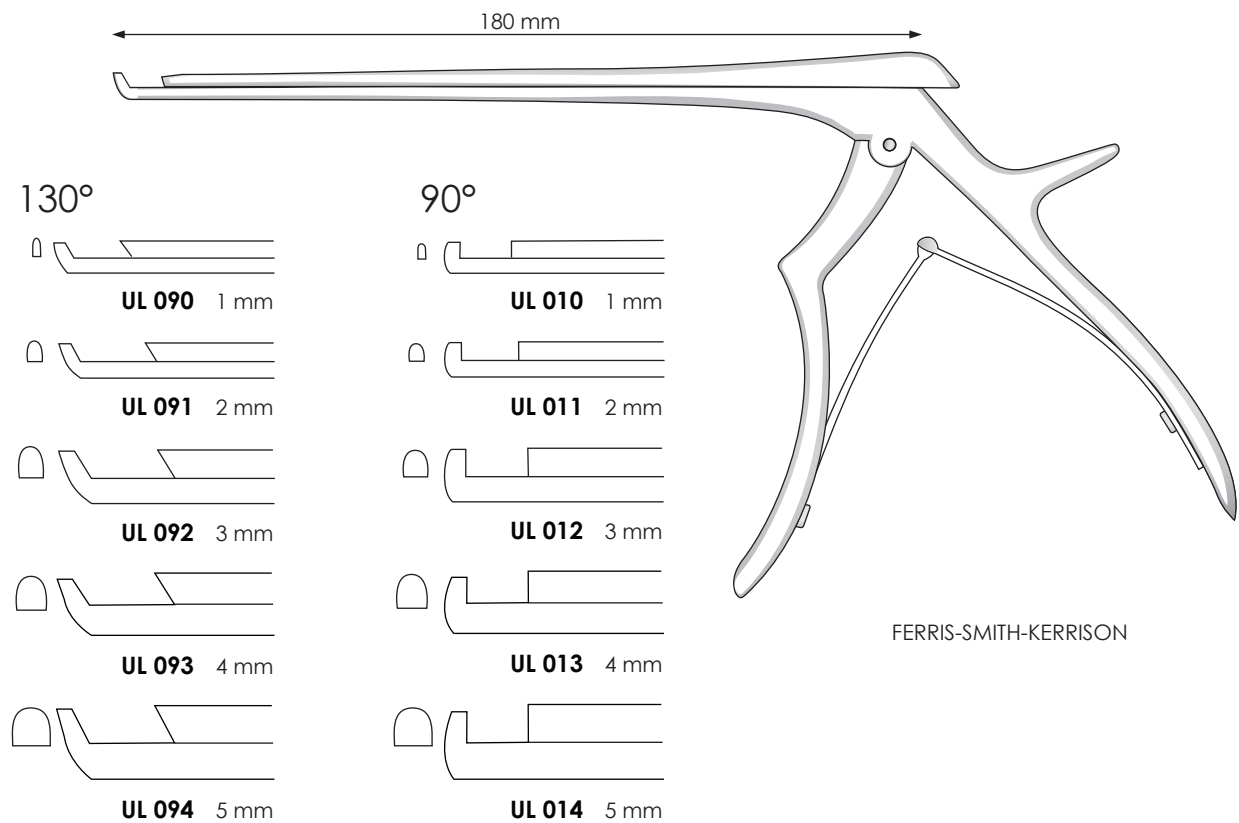
Pinces à os

Pinza cortantes para huesos

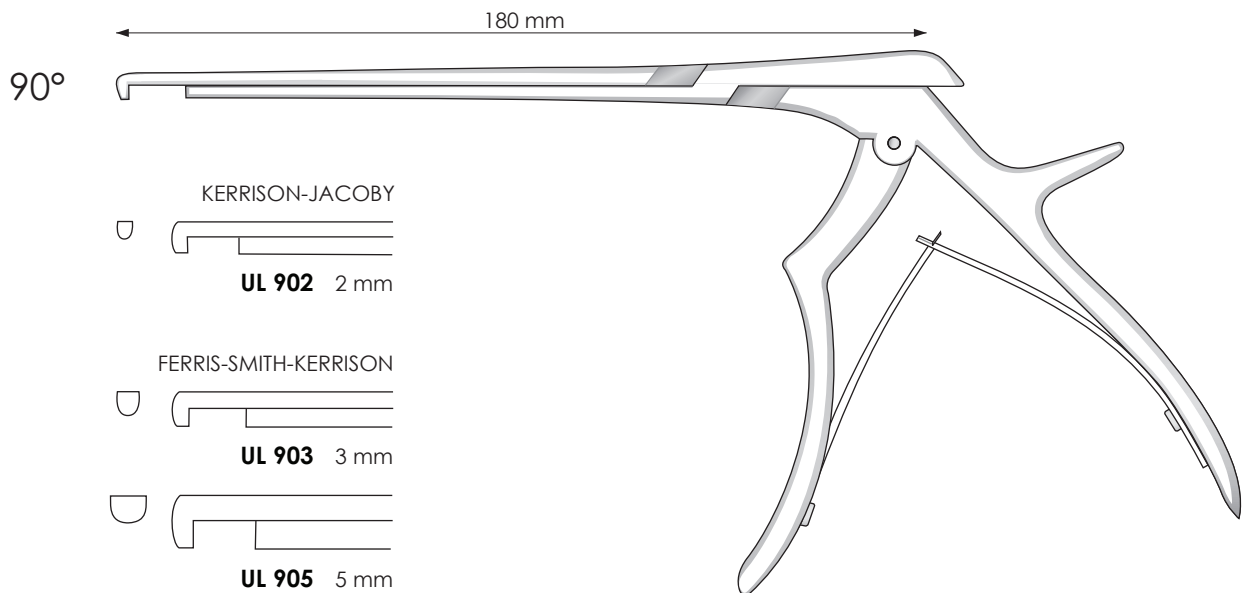
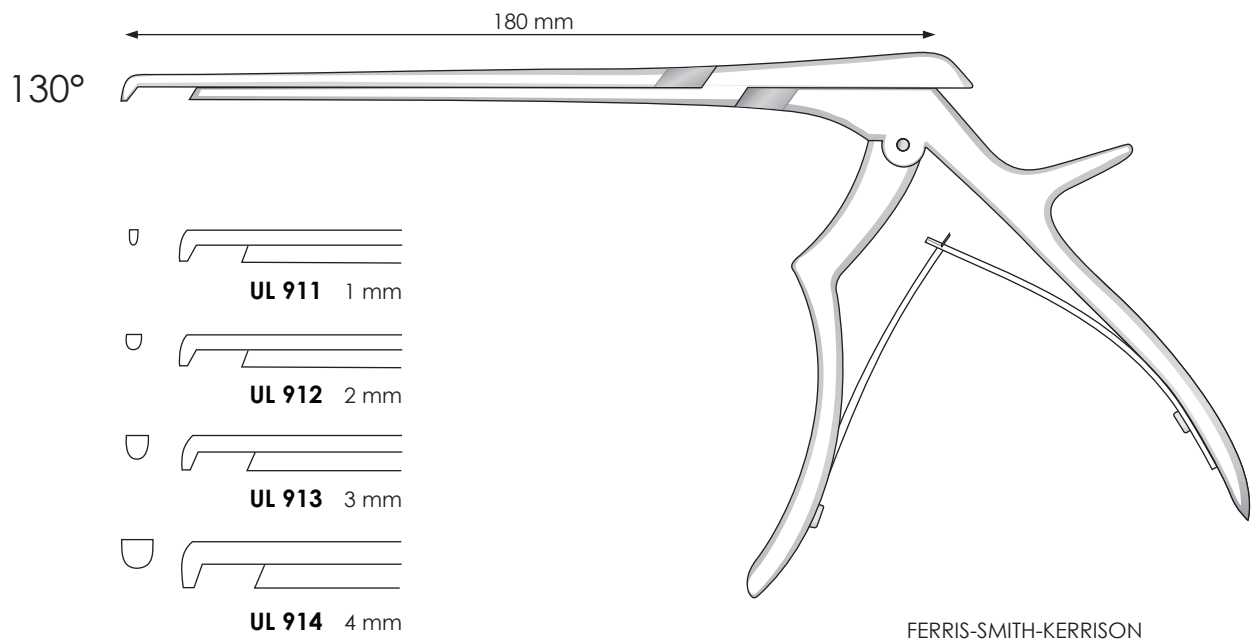




FERRIS-SMITH-KERRISON



FERRIS-SMITH-KERRISON





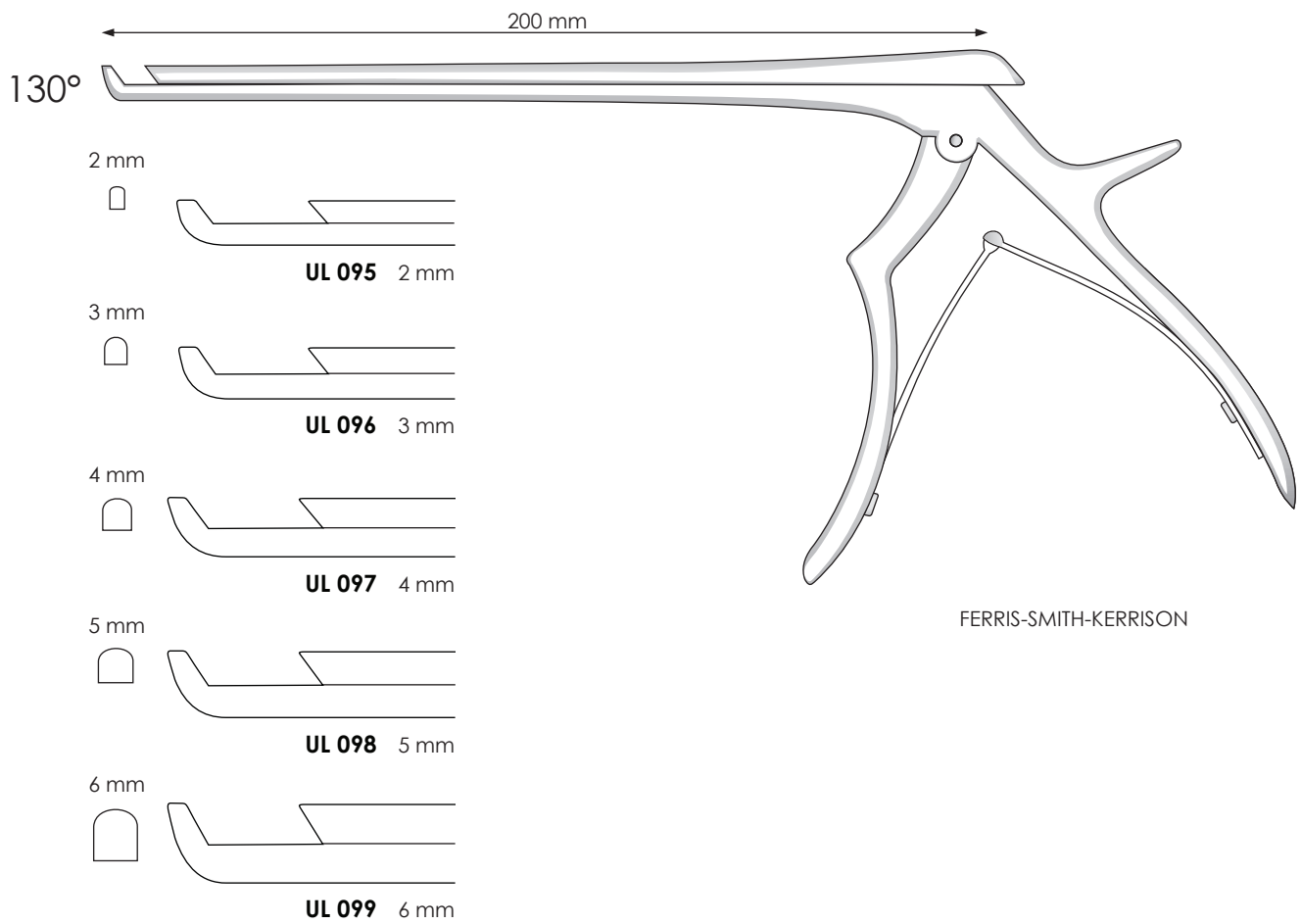
Laminectomy

Laminectomia

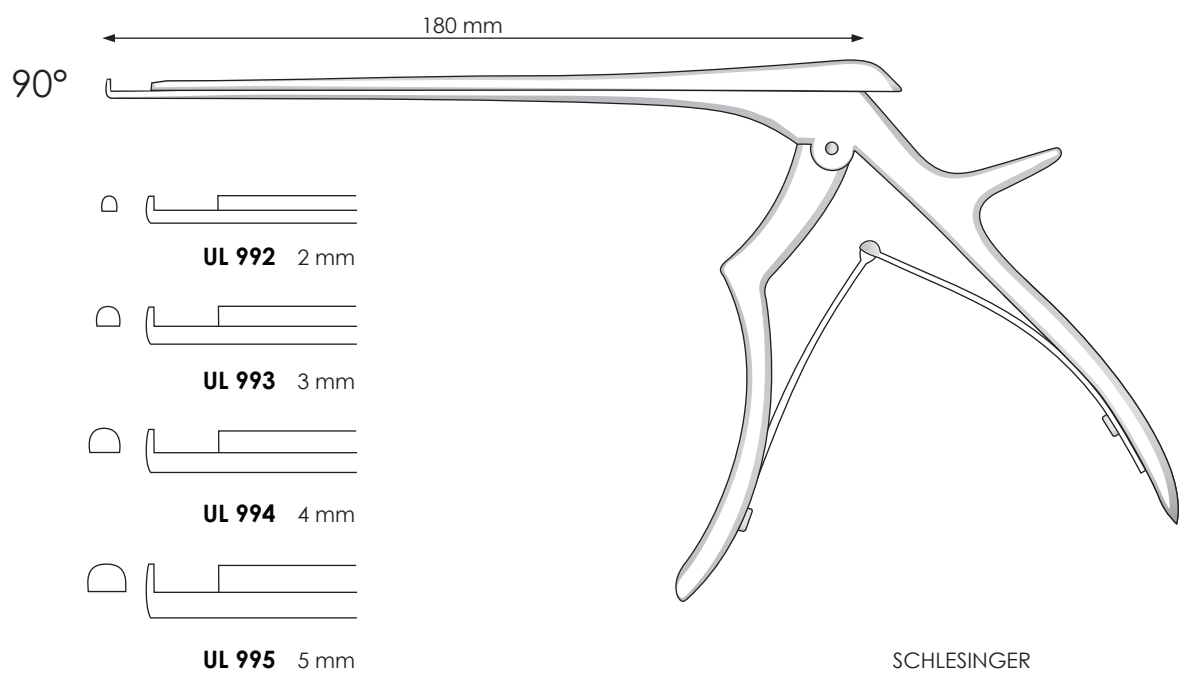
Laminektomie

Laminectomie

Laminectomia

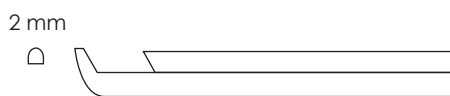


Cervical Laminectomy - Laminotomo cervicale

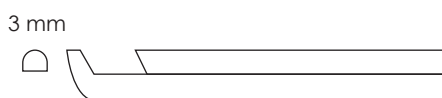




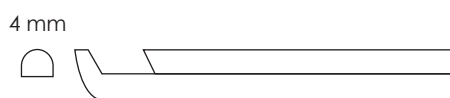
UL 041



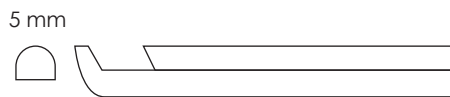
UL 042



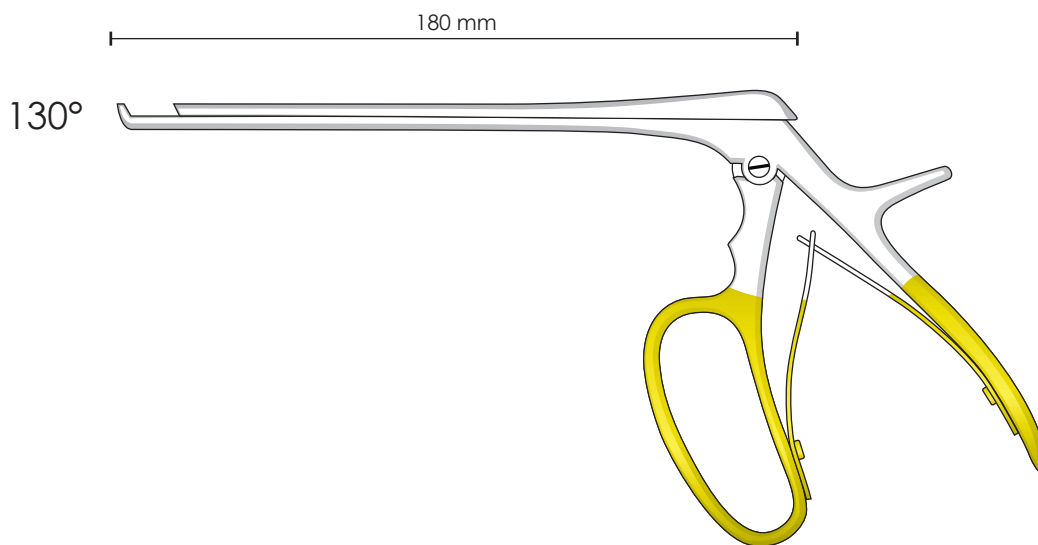
UL 043



UL 044



UL 045



FERRIS - SMITH - KERRISON



Laminectomy

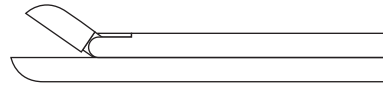
Laminectomia

Laminektomie

Laminectomie

Laminectomia

Straight
Diritta
Gerade
Droites
Rectas



UL 030 2 x 10 mm



UL 031 3 x 10 mm

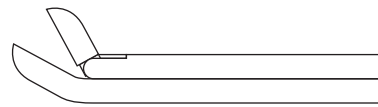


UL 032 4 x 10 mm



UL 033 6 x 12 mm

Top curved
Curva verso l'alto
Aufwärtsgebogen
Courbe vers le haut
Curvos



UL 034 2 x 10 mm

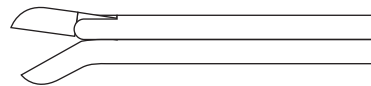


UL 035 3 x 10 mm



UL 036 4 x 10 mm

Bottom curved
Curva verso il basso
Abwärts gebogen
Courbe vers le bas
Curvos



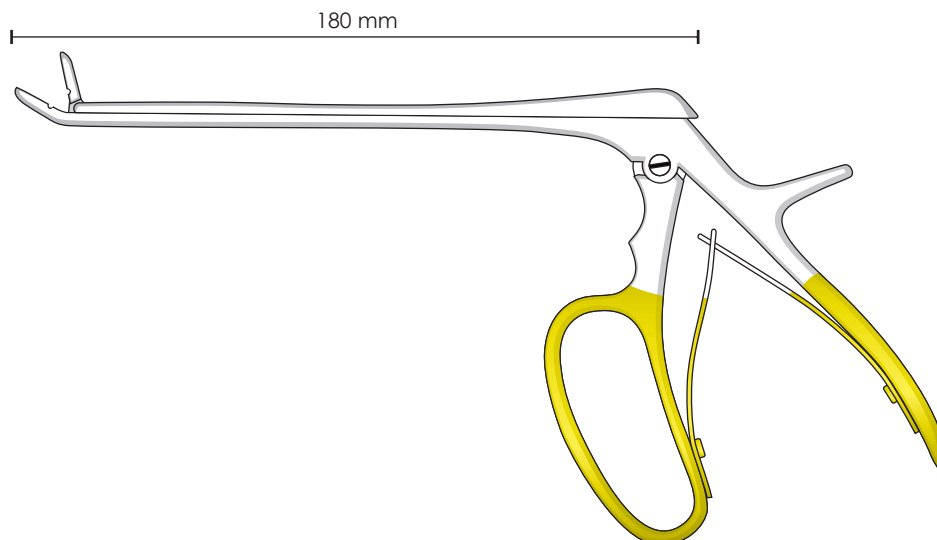
UL 037 2 x 10 mm



UL 038 3 x 10 mm



UL 039 4 x 10 mm



FERRIS - SMITH - CUSHING



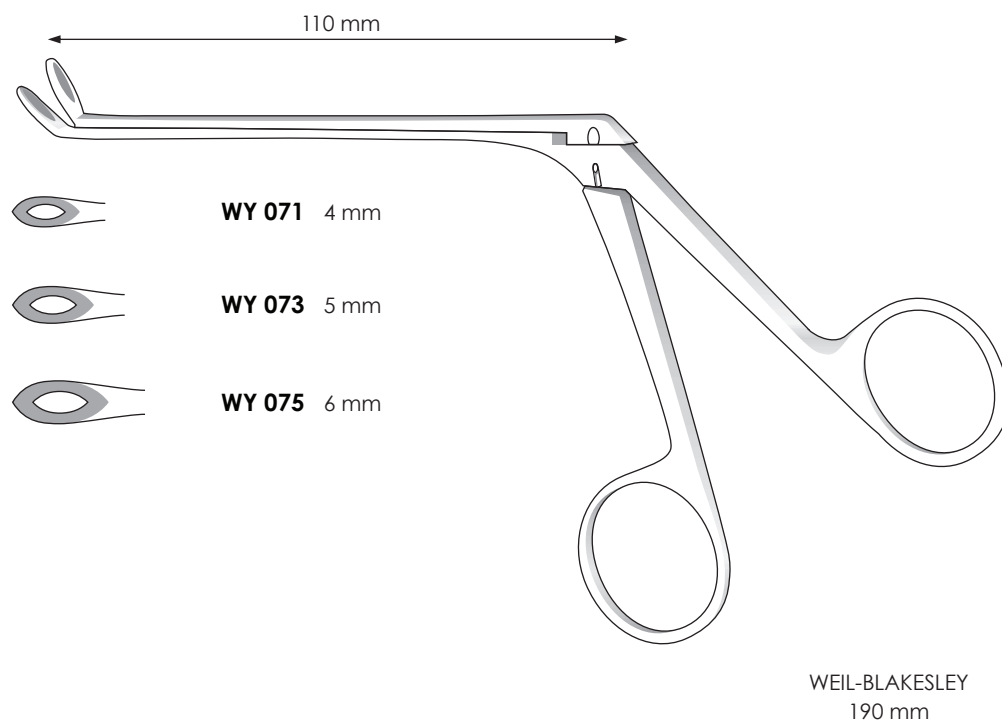
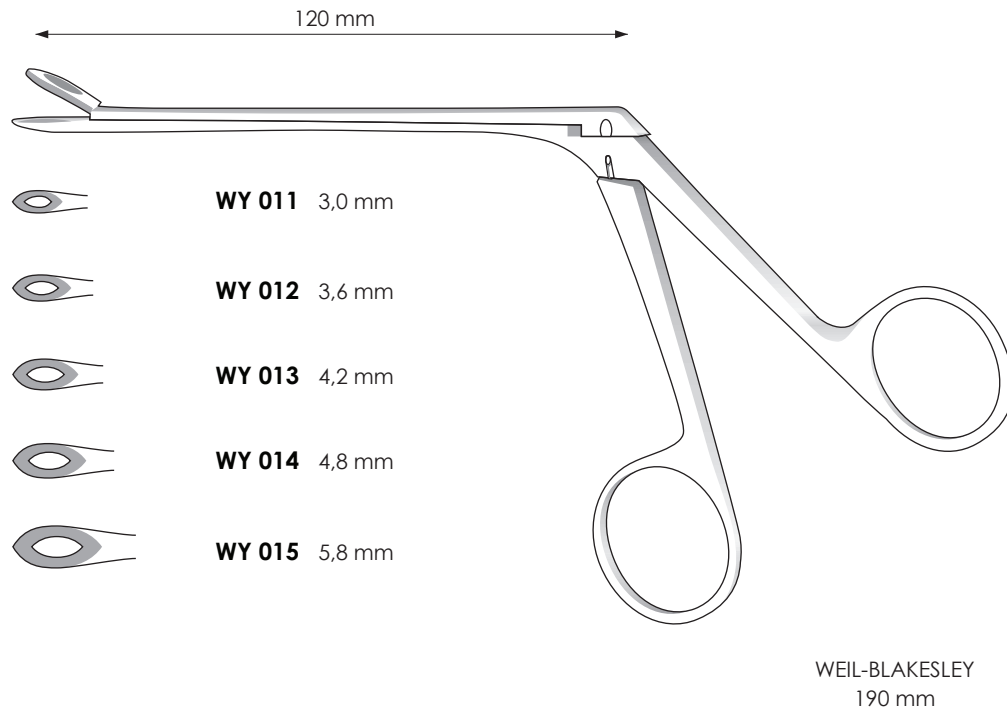
Laminectomy
rongeurs

Pinze
per biopsia

Laminectomy
Rongeur

Pinces a
laminectomia

Pinzas cortantes
para laminectomia





Laminectomy
rongeurs

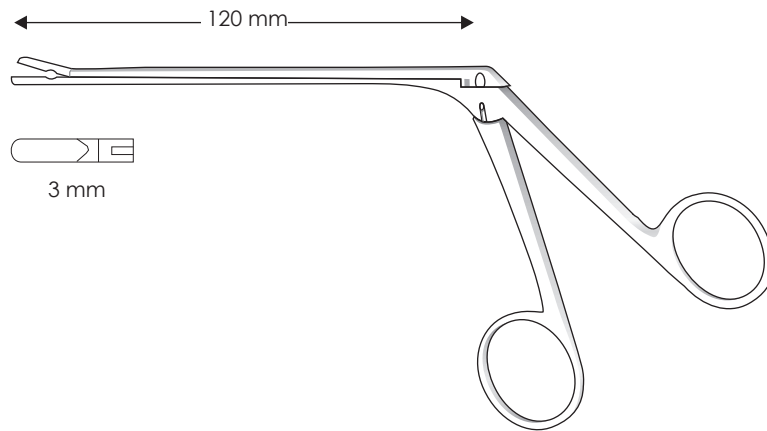
Pinze
per biopsia

Laminectomy
Rongeur

Pinces a
laminectomia

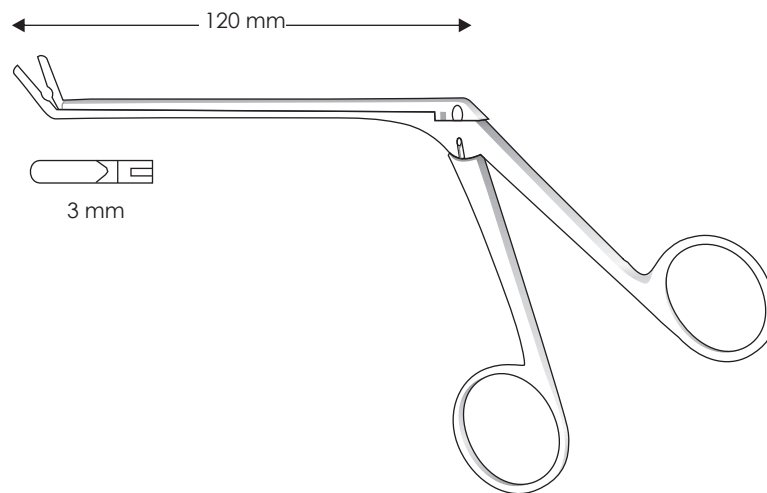
Pinzas cortantes
para laminectomia

Straight
Diritta
Gerade
Droites
Rectas



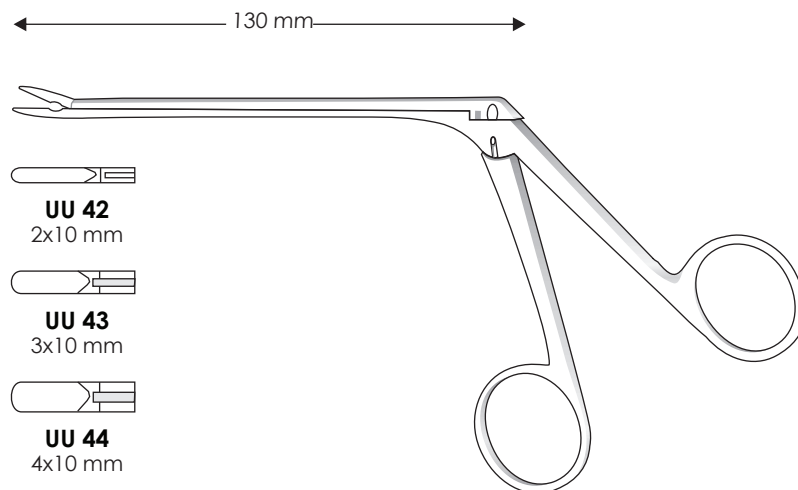
TAKAHASHI
UU 40

Top curved
Curva verso l'alto
Aufwärtsgebogen
Courbe vers le haut
Curvos



TAKAHASHI
UU 41

Straight
Diritta
Gerade
Droites
Rectas



LOVE-GRUENWALD



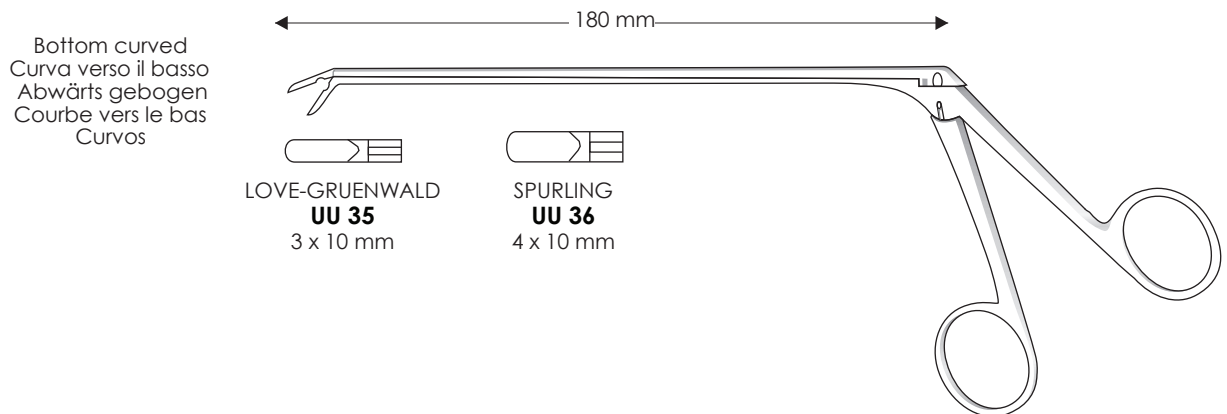
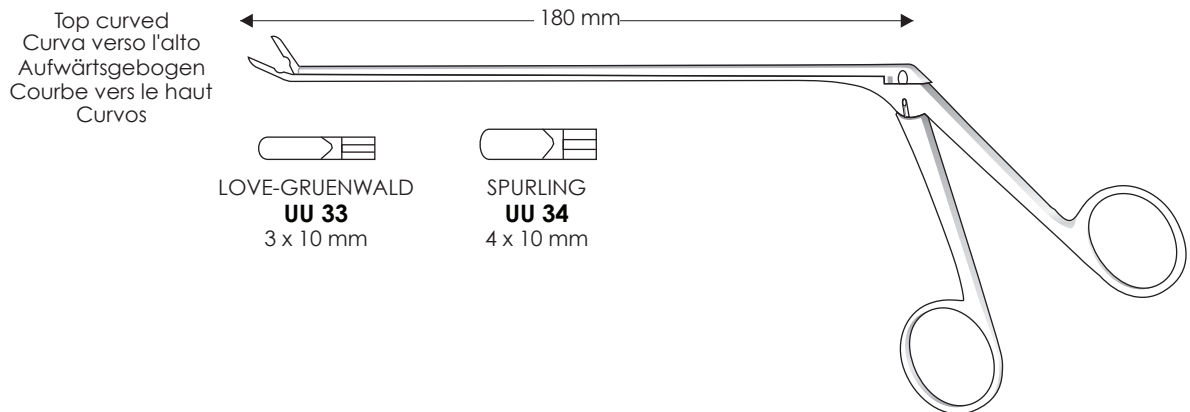
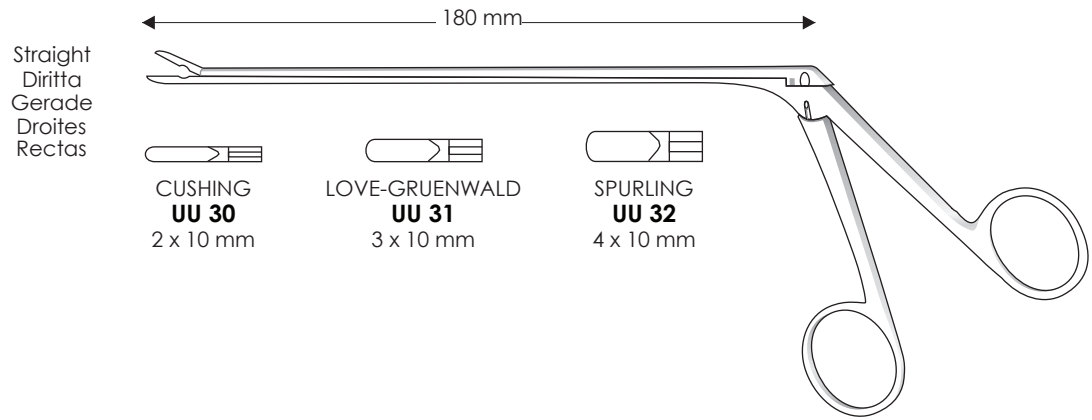
Laminectomy
rongeurs

Pinze
per biopsia

Laminectomy
Rongeur

Pinces a
laminectomia

Pinzas cortantes
para laminectomia





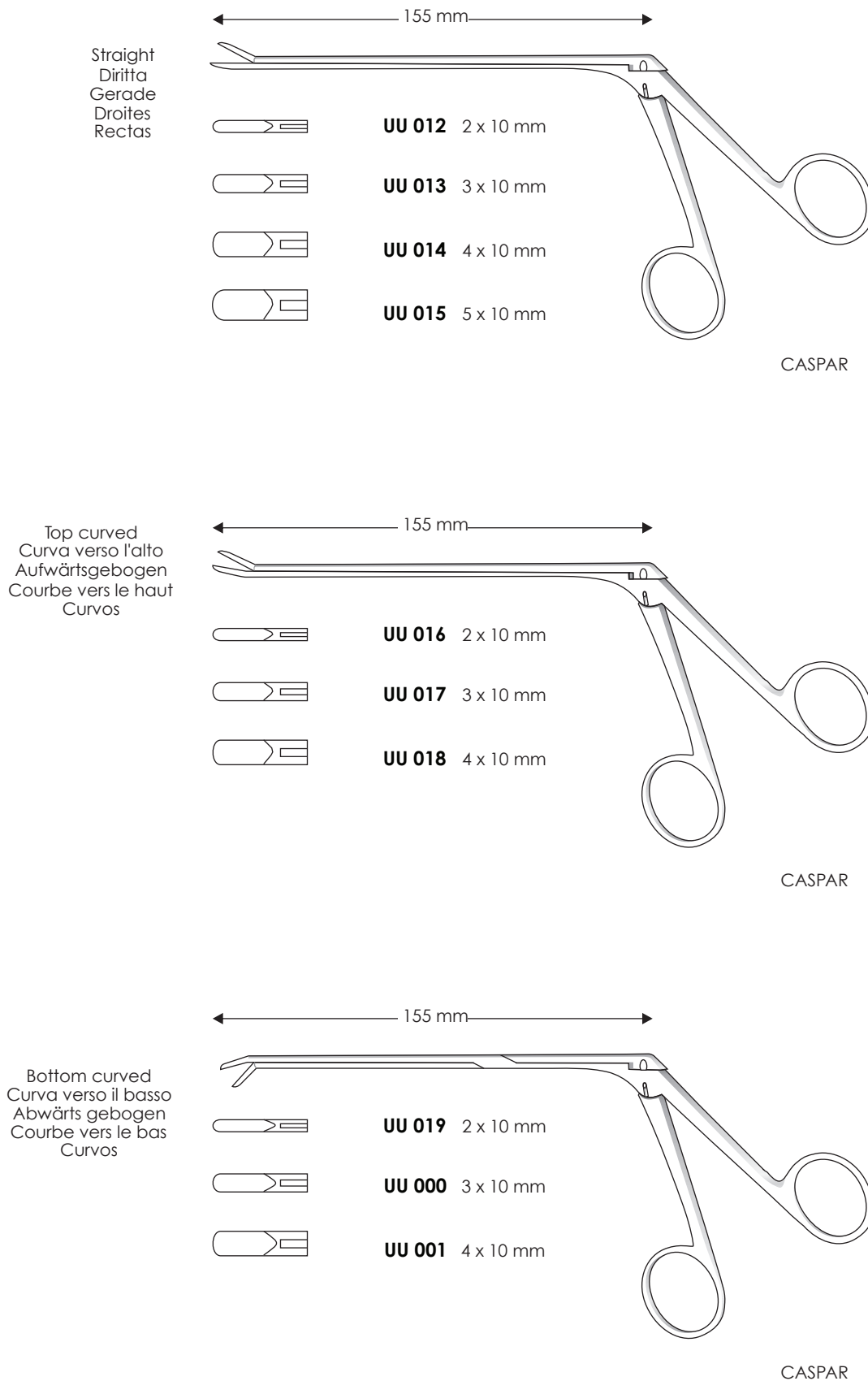
Laminectomy
rongeurs

Pinze
per biopsia

Laminectomy
Rongeur

Pinces a
laminectomia

Pinzas cortantes
para laminectomia





Laminectomy
rongeurs

Pinze
per biopsia

Laminectomy
Rongeur

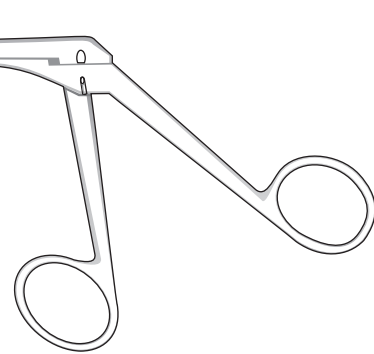
Pinces a
laminectomia

Pinzas cortantes
para laminectomia

Straight
Diritta
Gerade
Droites
Rectas

CASPAR

UU 090 140 mm	UU 093 160 mm	UU 098 185 mm	2 x 12 mm	
UU 091 140 mm	UU 094 160 mm	UU 099 185 mm	3 x 12 mm	
UU 092 140 mm	UU 095 160 mm	UU 080 185 mm	4 x 14 mm	
	UU 096 160 mm	UU 081 185 mm	5 x 14 mm	
	UU 097 160 mm	UU 082 185 mm	6 x 16 mm	



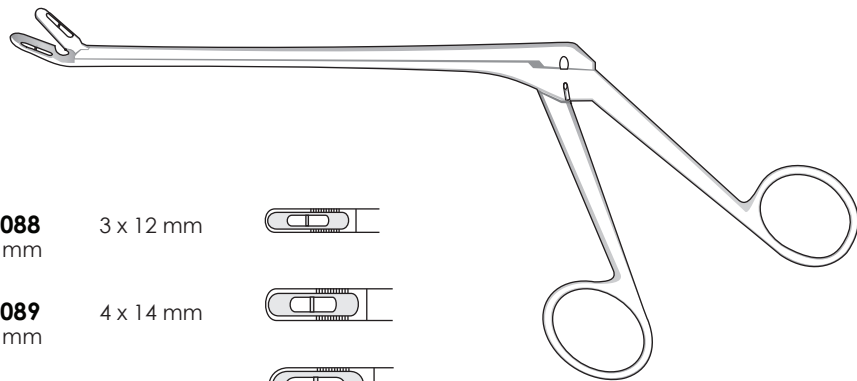
CASPAR

Top curved
Curva verso l'alto
Aufwärtsgebogen
Courbe vers le haut
Curvos

150°

CASPAR

UU 083 140 mm	UU 085 160 mm	UU 088 185 mm	3 x 12 mm	
UU 084 140 mm	UU 086 160 mm	UU 089 185 mm	4 x 14 mm	
	UU 087 160 mm	UU 070 185 mm	5 x 14 mm	



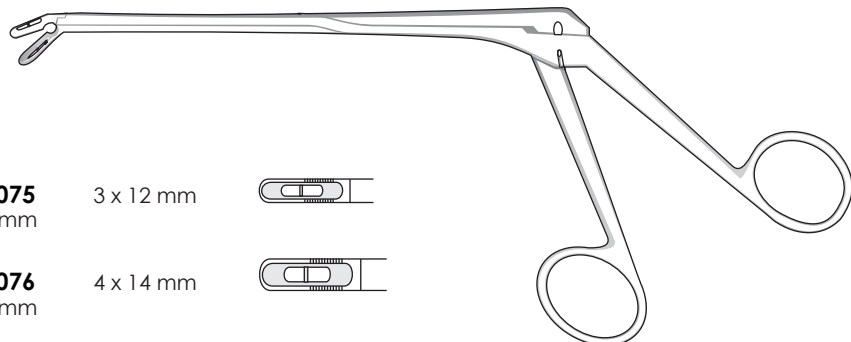
CASPAR

Bottom curved
Curva verso il basso
Abwärts gebogen
Courbe vers le bas
Curvos

150°

CASPAR

UU 071 140 mm	UU 073 160 mm	UU 075 185 mm	3 x 12 mm	
UU 072 140 mm	UU 074 160 mm	UU 076 185 mm	4 x 14 mm	



CASPAR



Laminectomy
rongeurs

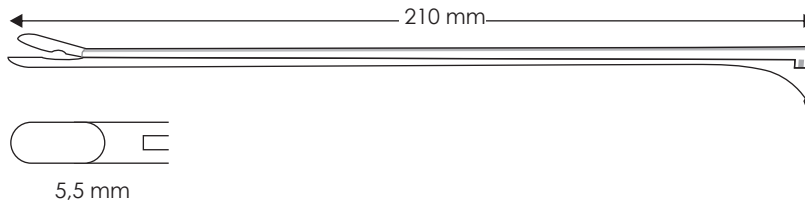
Pinze
per biopsia

Laminectomy
Rongeur

Pinces a
laminectomia

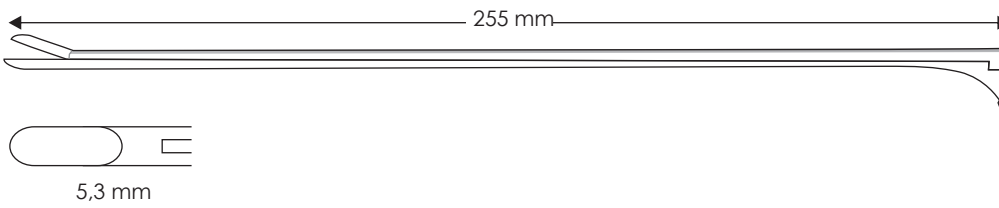
Pinzas cortantes
para laminectomia

Straight
Diritta
Gerade
Droites
Rectas



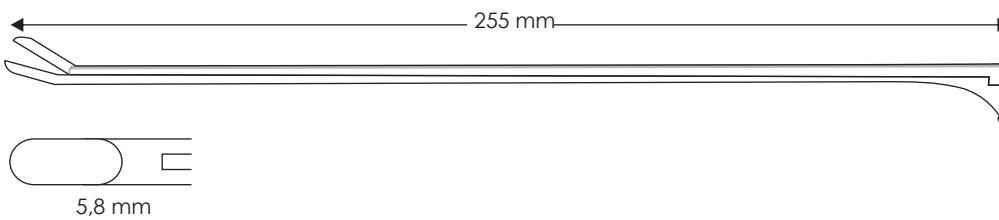
WAGNER
UU 20

Straight
Diritta
Gerade
Droites
Rectas



UU 21

Top curved
Curva verso l'alto
Aufwärtsgebogen
Courbe vers le haut
Curvos



SYPERT
UU 22



Laminectomy
rongeurs

Pinze
per biopsia

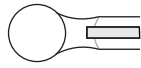
Laminectomy
Rongeur

Pinces a
laminectomia

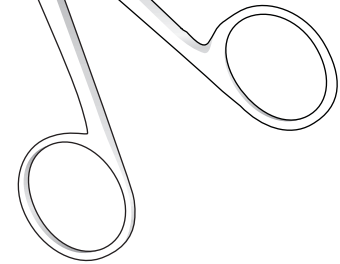
Pinzas cortantes
para laminectomia

Straight
Diritta
Gerade
Droites
Rectas

180 mm



UU 90
Ø 6 mm



OLDBERG

Straight
Diritta
Gerade
Droites
Rectas

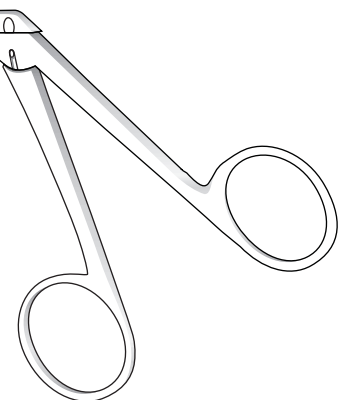
190 mm



UU 91
Ø 2,2 mm



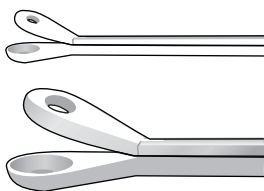
UU 92
Ø 3,5 mm



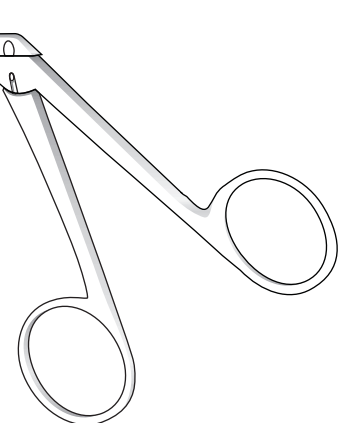
YASARGIL

Straight
Diritta
Gerade
Droites
Rectas

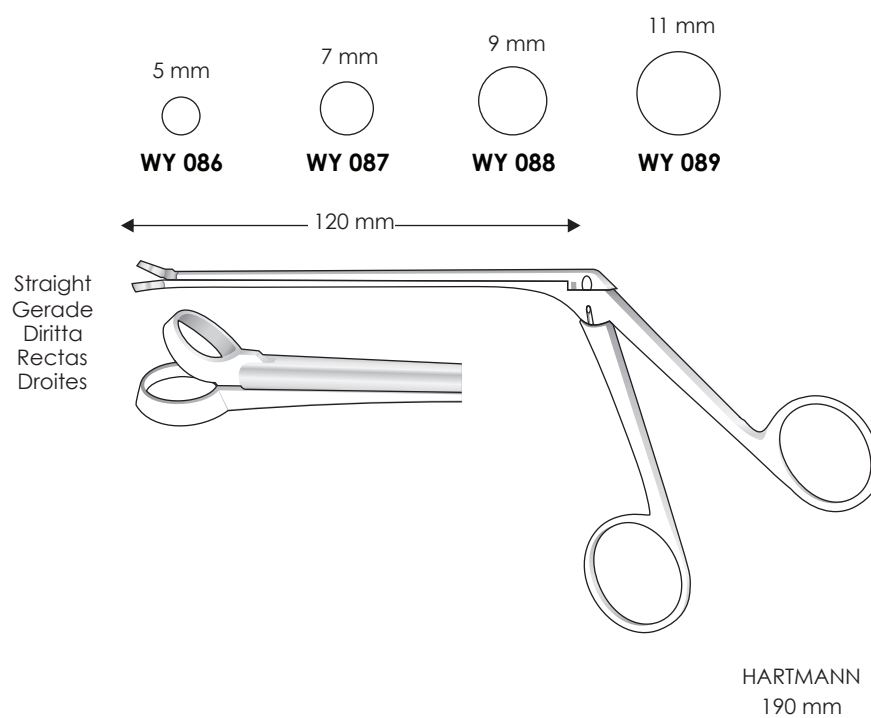
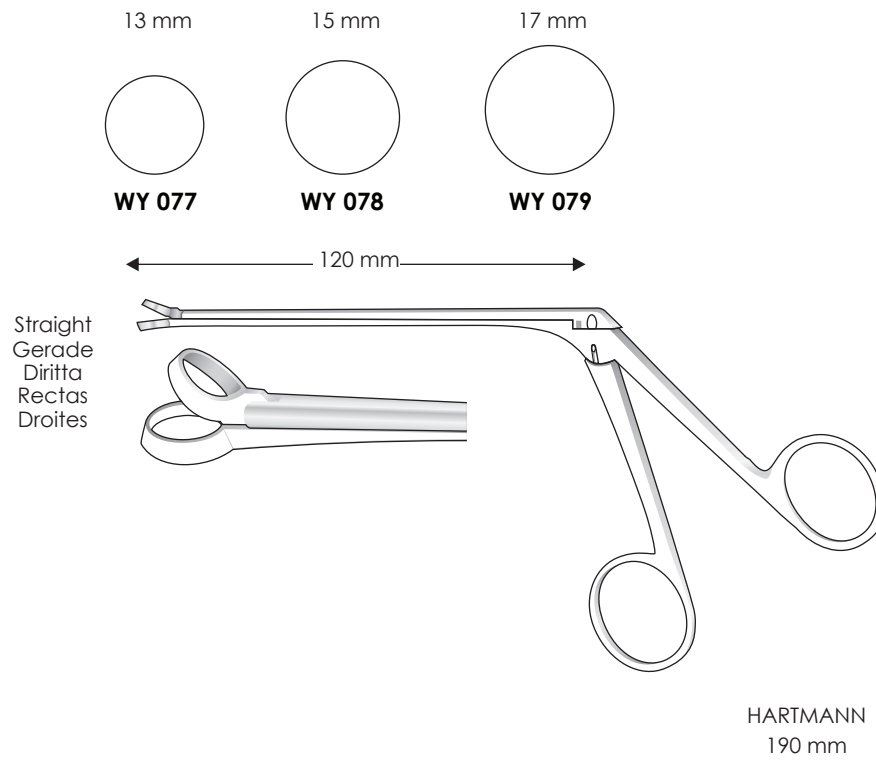
200 mm



UU 93
Ø 9 mm



LANDOLT





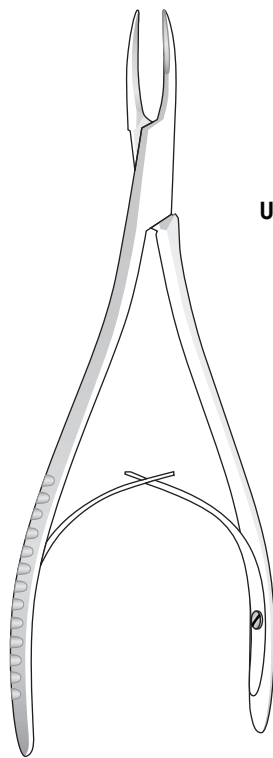
Bone rongeurs

Pinze ossivore

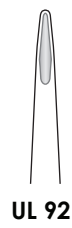
Hohlmeißelzangen

Pinces-gouges

Pinza-gubias



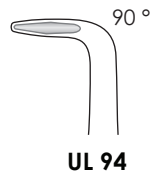
MINI-FRIEDMANN
150 mm



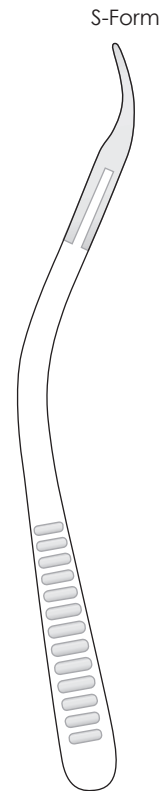
UL 92



UL 93



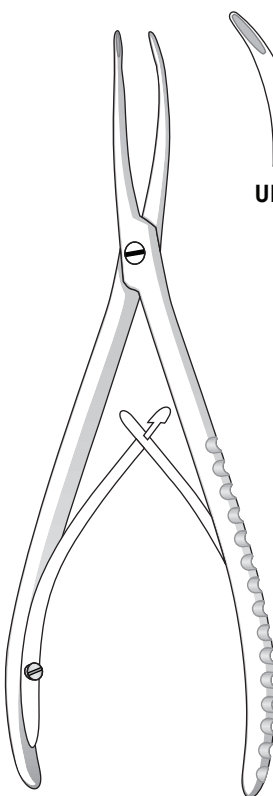
UL 94



MINI-FRIEDMANN
145 mm



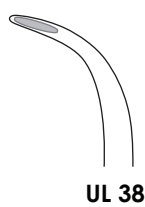
UL 35



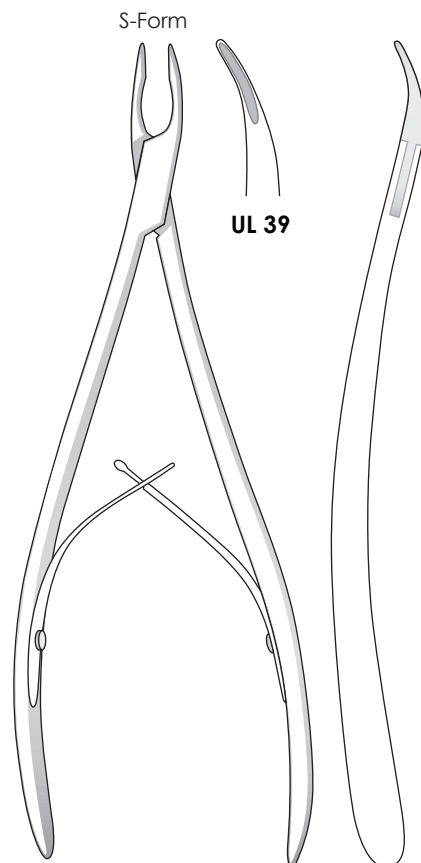
STELLBRINK
170 mm



UL 37



UL 38



STELLBRINK
190 mm



UL 39



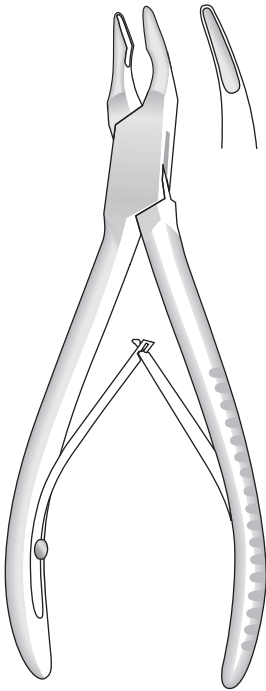
Bone rongeurs

Pinze ossivore

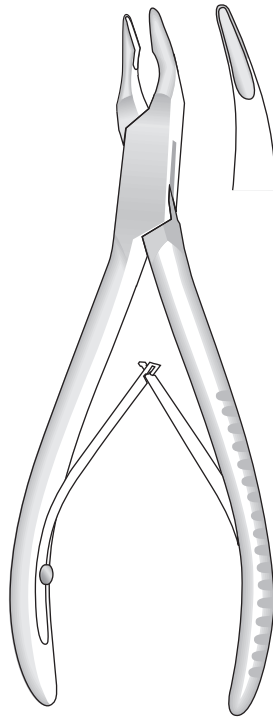
Hohlmeißelzangen

Pinces-gouges

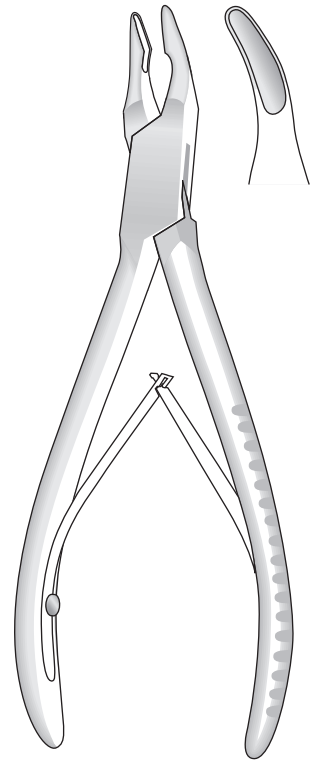
Pinza-gubias



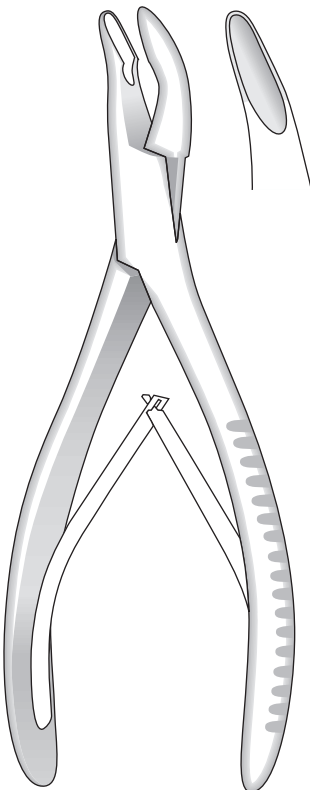
MINI FRIEDMANN
UL 05
120 mm



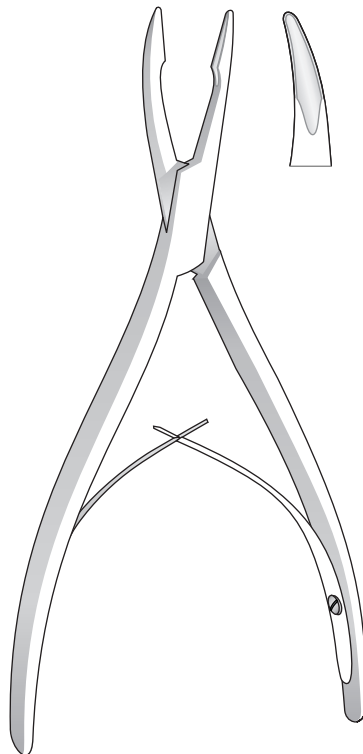
FRIEDMANN
UL 07
140 mm



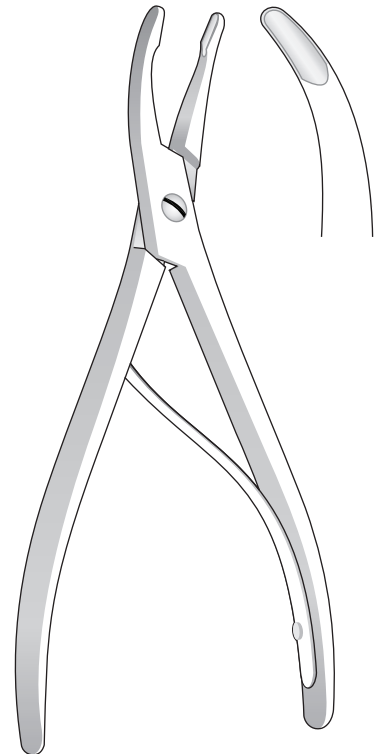
BLUMENTHAL
UL 09
155 mm



MEAD
UL 91
165 mm



FRIEDMANN
UL 06
160 mm



LUER
UL 08
155 mm



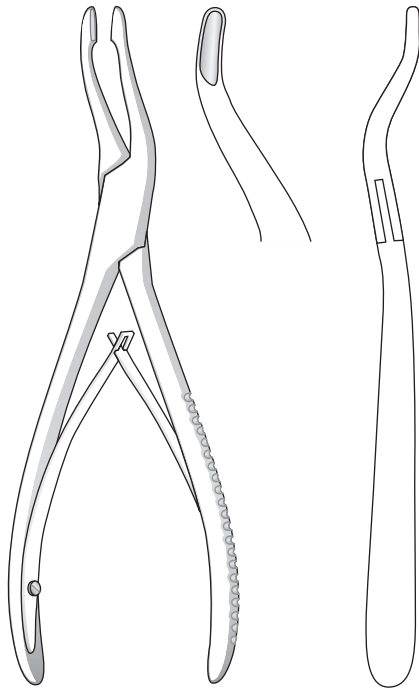
Bone rongeurs

Pinze ossivore

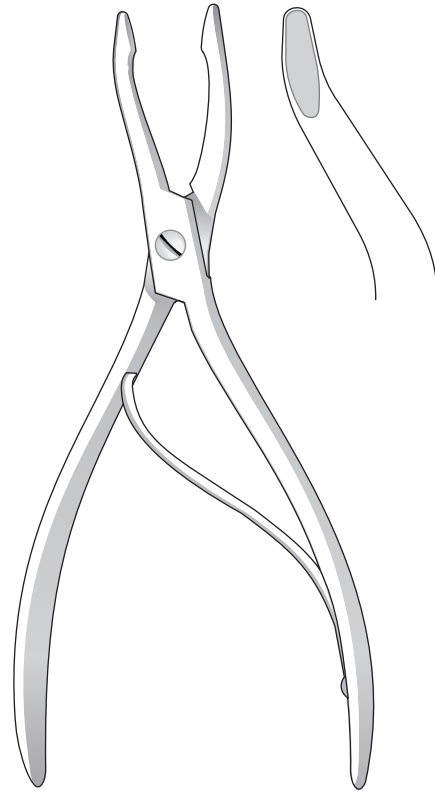
Hohlmeißelzangen

Pinces-gouges

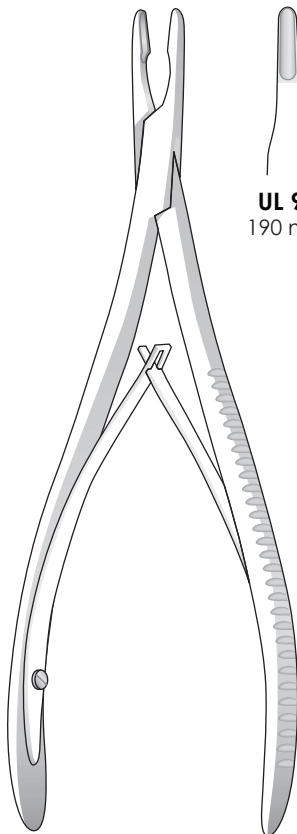
Pinza-gubias



ALEXANDER
UL 97
140 mm



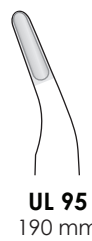
JANSEN-LEUER
UL 00
180 mm



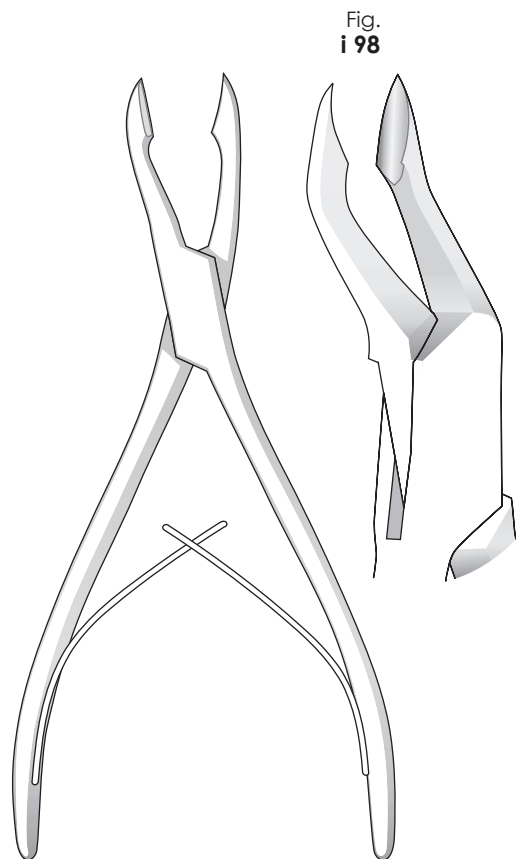
LEMPERT
190 mm



UL 93
190 mm



UL 95
190 mm



UL 83
175 mm

Fig.
i 98



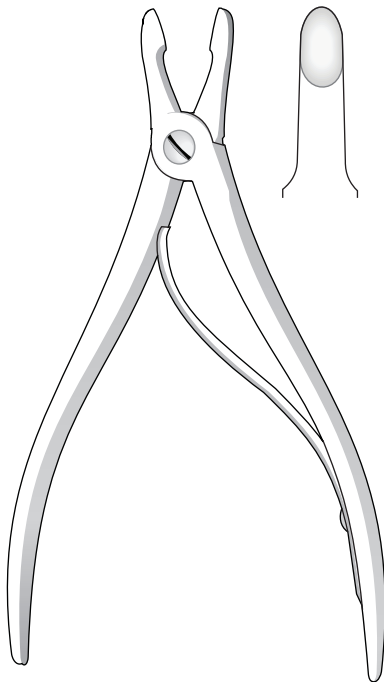
Bone rongeurs

Pinze ossivore

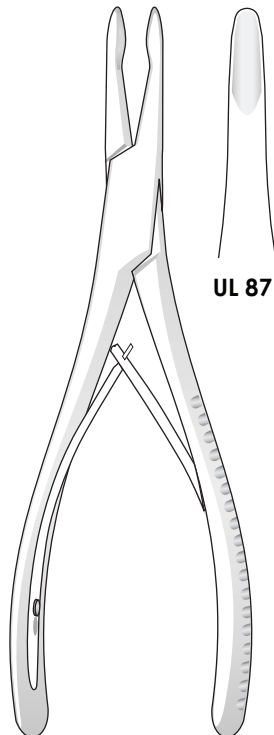
Hohlmeißelzangen

Pinces-gouges

Pinza-gubias



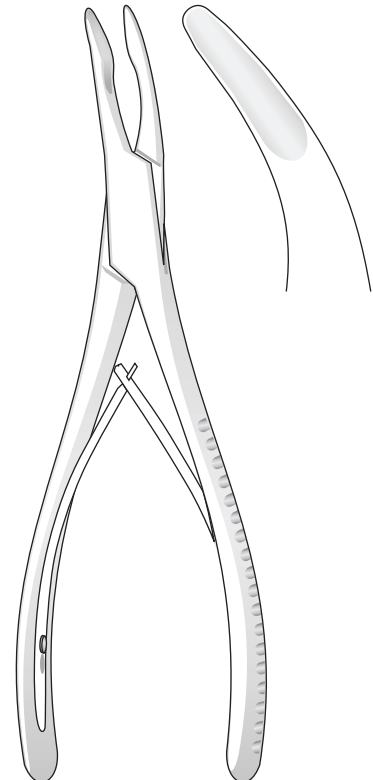
HARTMANN
UL 04
155 mm



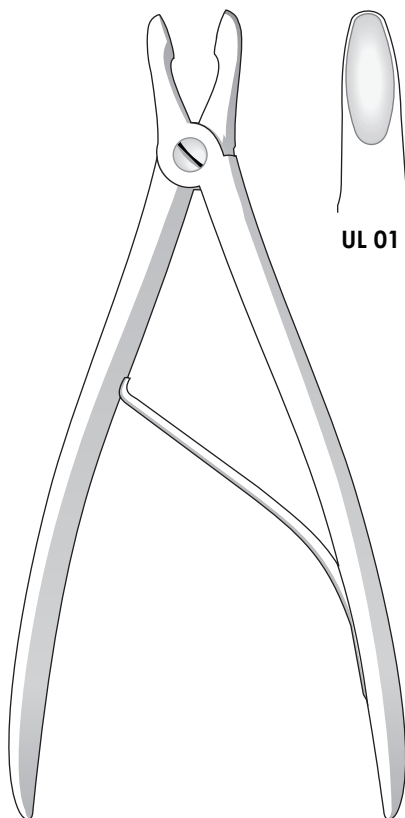
JANSEN
170 mm



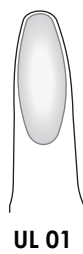
UL 89



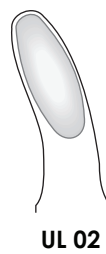
OLIVECRONA
UL 74
190 mm



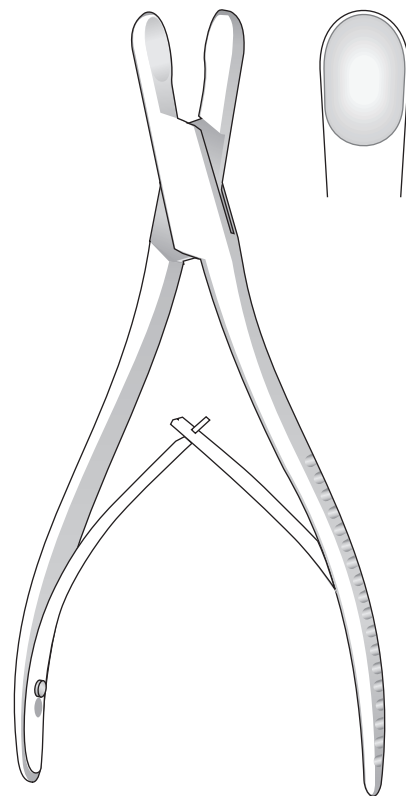
CUSHING
190 mm



UL 01



UL 02



LUER-STILLE
UL 03
185 mm



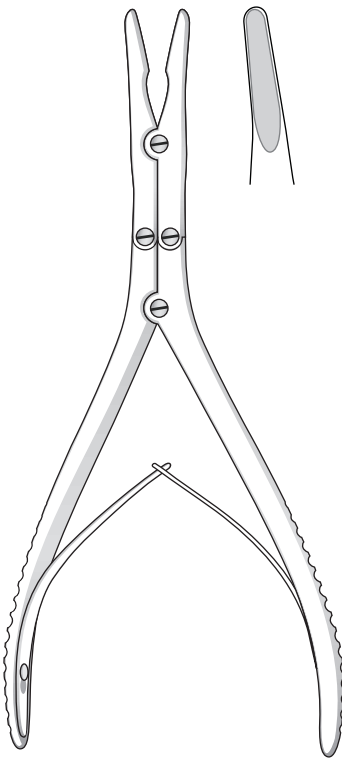
Bone rongeurs

Pinze ossivore

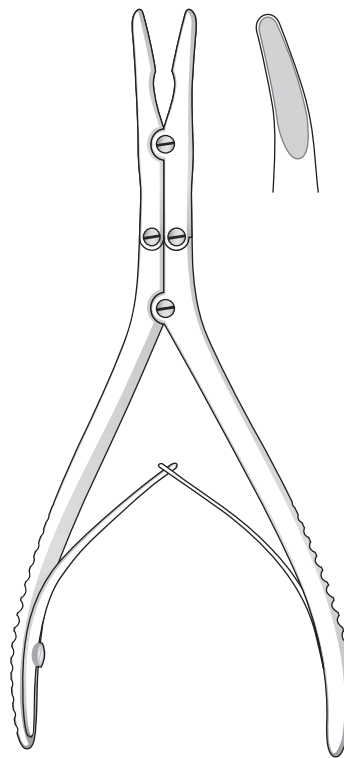
Hohlmeißelzangen

Pinces-gouges

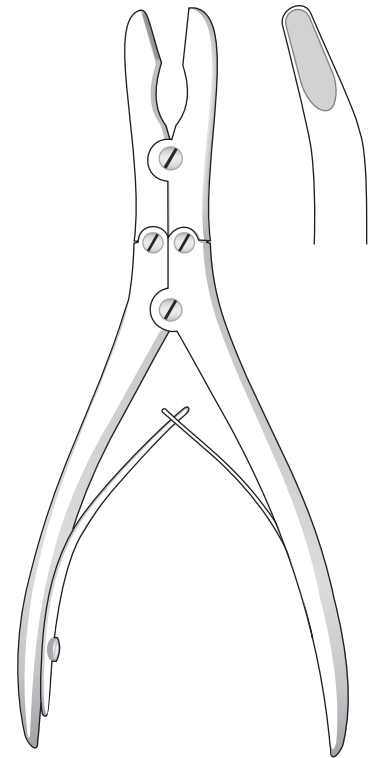
Pinza-gubias



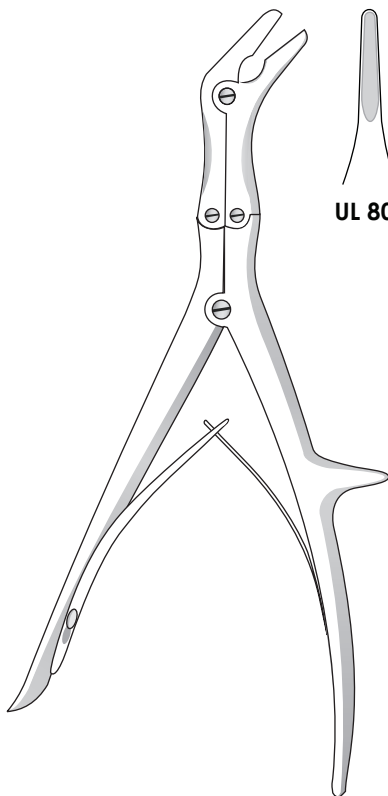
BEYER
UL 90
180 mm



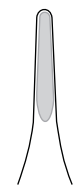
ZAUFAL-JANSEN
UL 84
180 mm



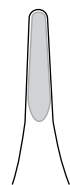
RUSKIN-STILLE
UL 85
180 mm



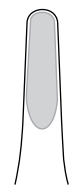
ECHLIN
230 mm



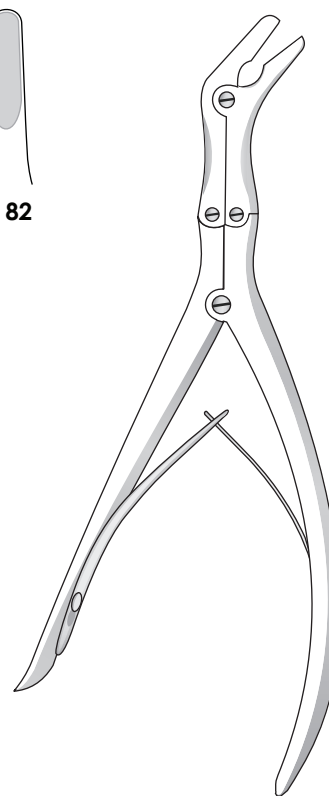
UL 80



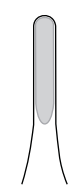
UL 81



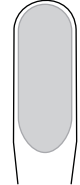
UL 82



LEKSELL



UL 98
240 mm



UL 99
250 mm



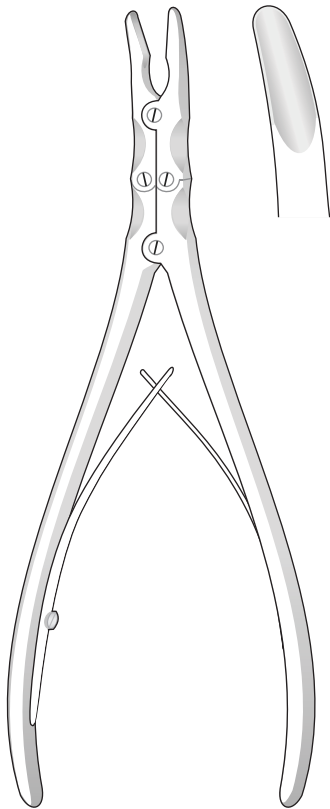
Bone rongeurs

Pinze ossivore

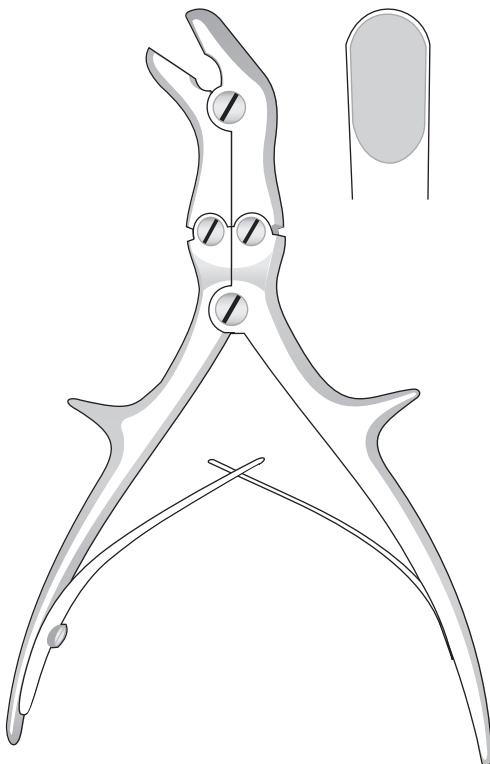
Hohlmeißelzangen

Pinces-gouges

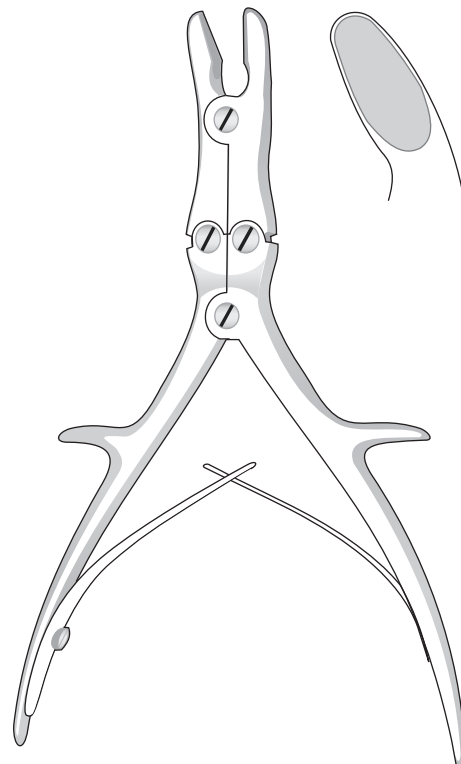
Pinza-gubias



RÖTTGEN-RUSKIN
UL 029
240 mm



STILLE
UL 86
210 mm



LUER-STILLE
UL 88
210 mm



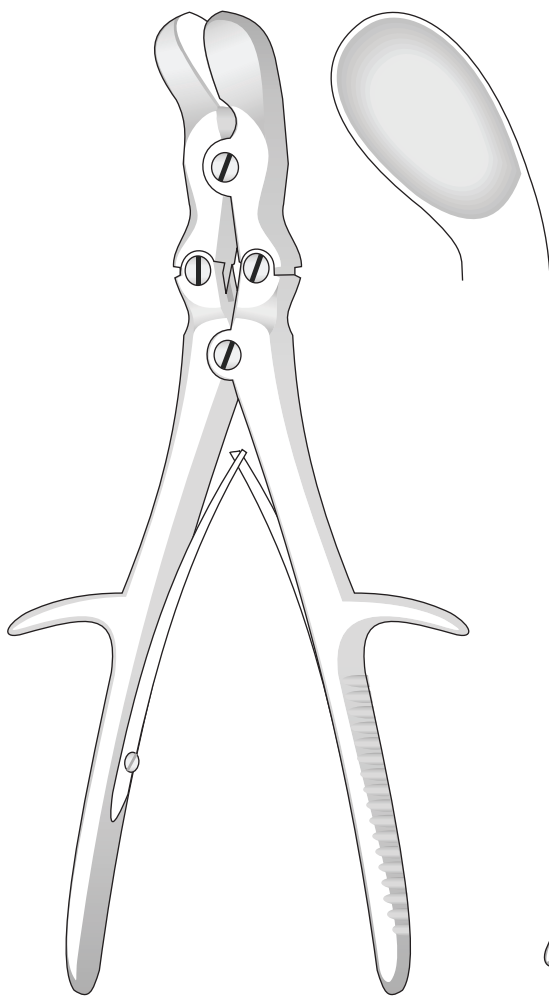
Bone rongeurs

Pinze ossivore

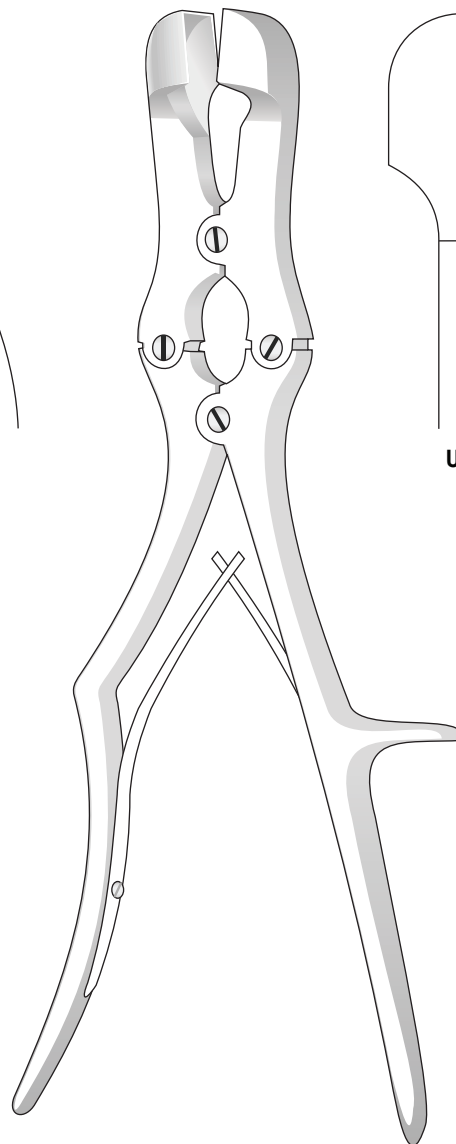
Hohlmeißelzangen

Pinces-gouges

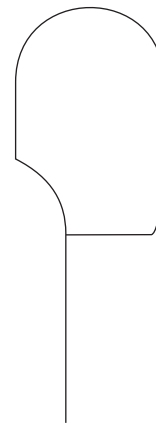
Pinza-gubias



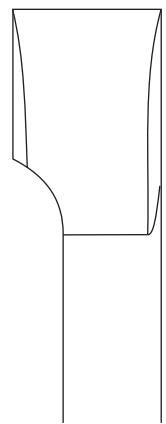
LUER-STILLE
UL 910
260 mm



SAUERBRUCH
300 mm



UL 050



UL 051



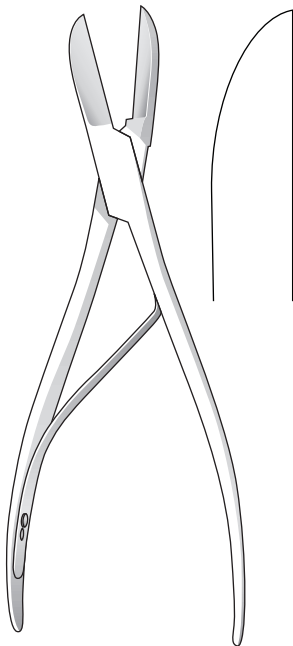
Bone rongeurs

Pinze ossivore

Hohlmeißelzangen

Pinces-gouges

Pinza-gubias



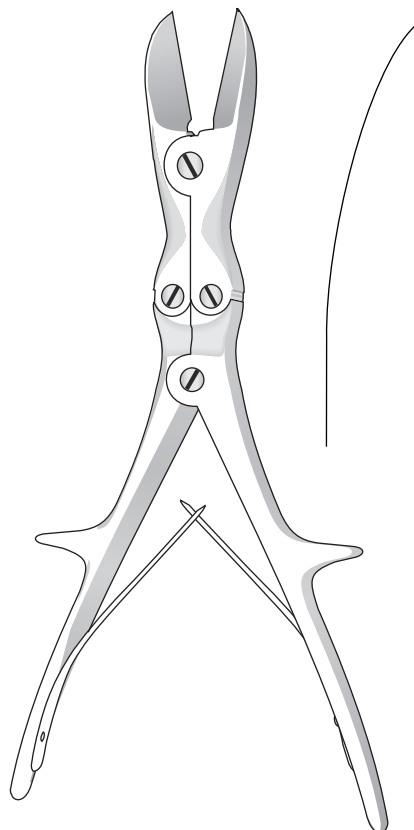
LISTON
OC 018
220 mm



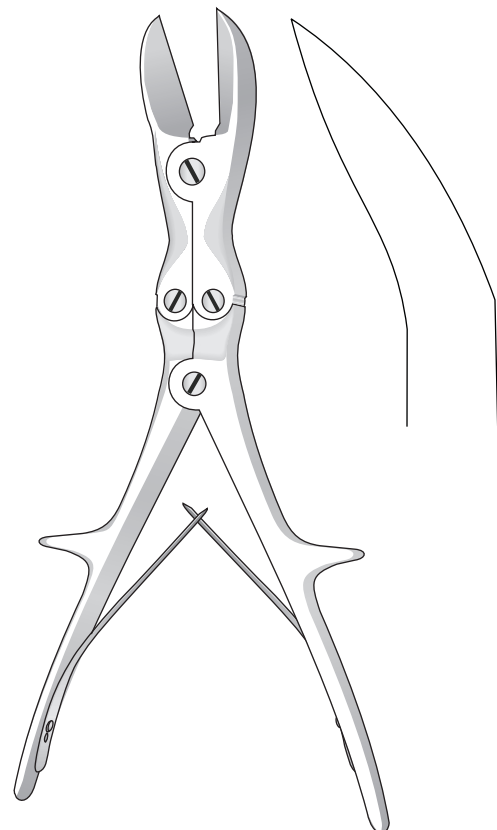
LISTON
OC 019
170 mm



LISTON
OC 000
220 mm



LISTON
UL 71
270 mm



LISTON
UL 72
270 mm



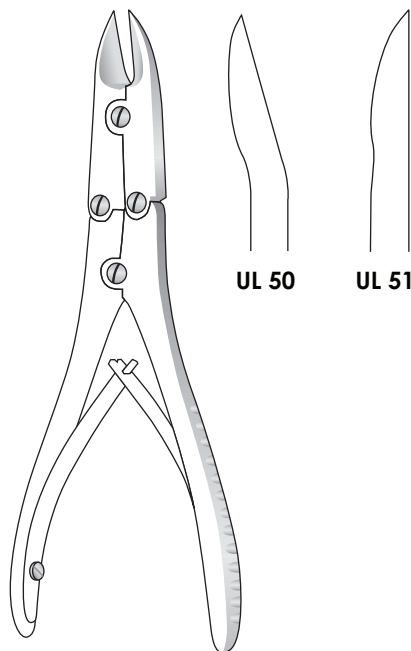
Bone rongeurs

Pinze ossivore

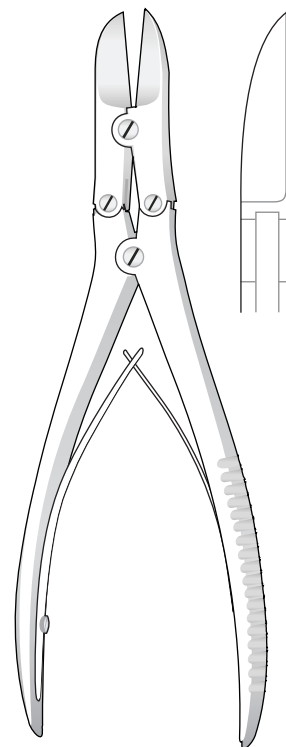
Hohlmeißelzangen

Pinces-gouges

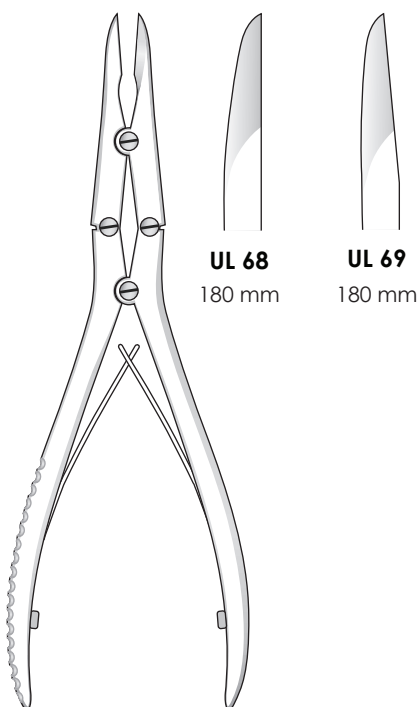
Pinza-gubias



BÖHLER
150 mm

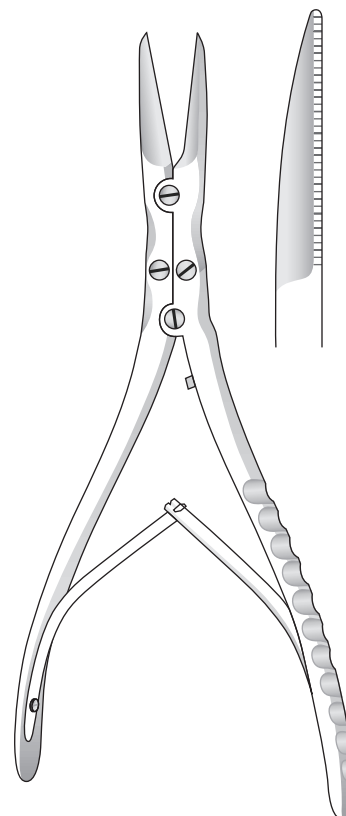


RUSKIN-LISTON
UL 018
190 mm



UL 68
180 mm

UL 69
180 mm



UL 076
215 mm



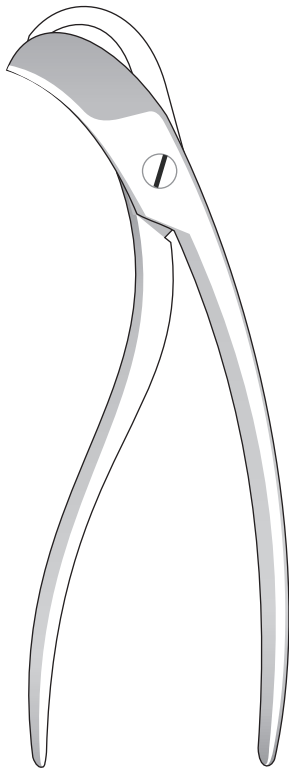
Bone rongeurs

Pinze ossivore

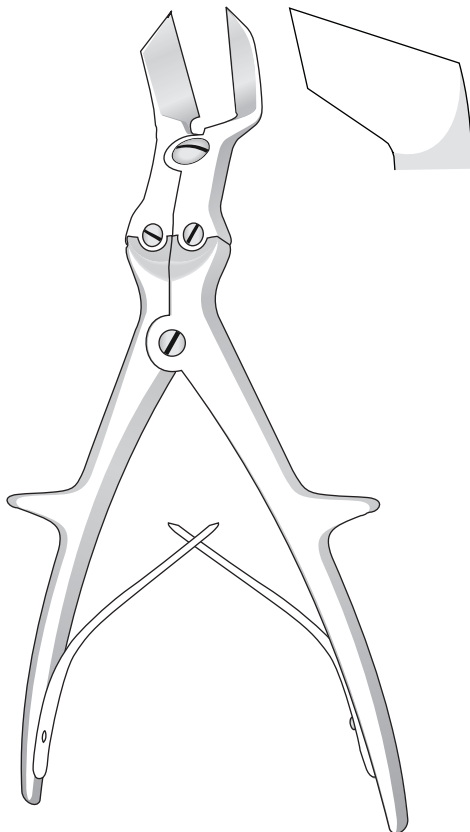
Hohlmeißelzangen

Pinces-gouges

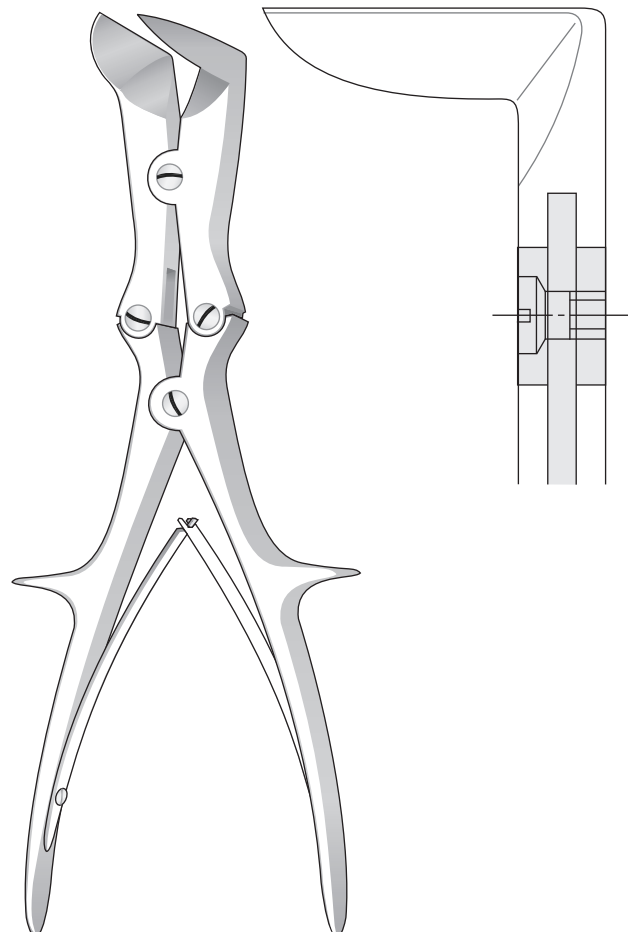
Pinza-gubias



COLLIN
OC 002
195 mm



KEY-HORSLEY
UL 70
235 mm



LISTON-STILLE
UL 068
265 mm



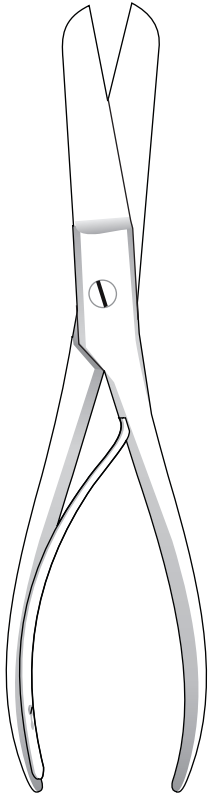
Bone cutting scissors

Forbici ossivore

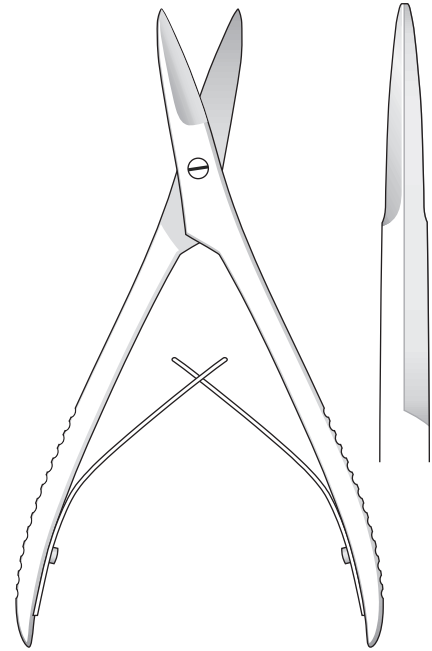
Knochensplitterscheren

Ciseaux à os

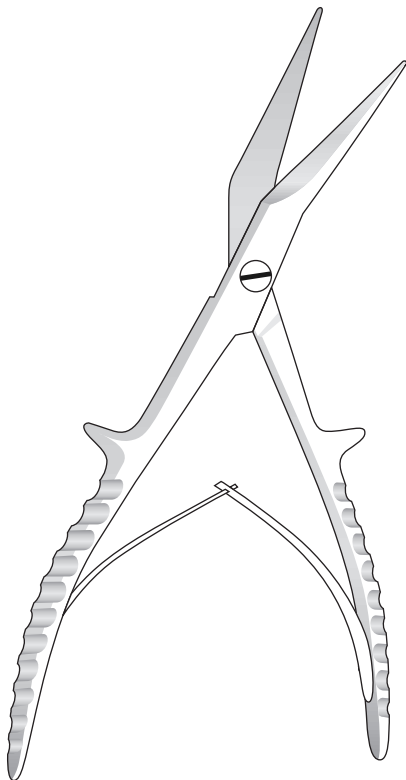
Tijeras para huesos



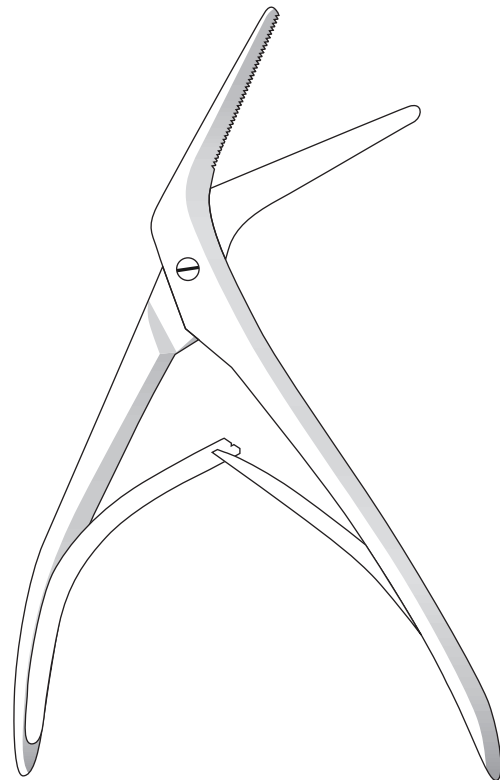
UT 70
230 mm



UL 53
160 mm



UT 000
195 mm



JACKSON-TESSIER
UT 001
190 mm



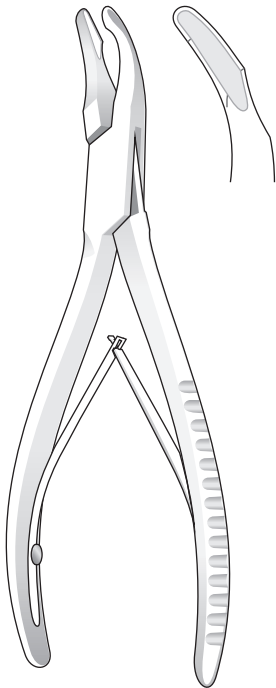
Bone cutting Forceps

Knochensplitterzangen

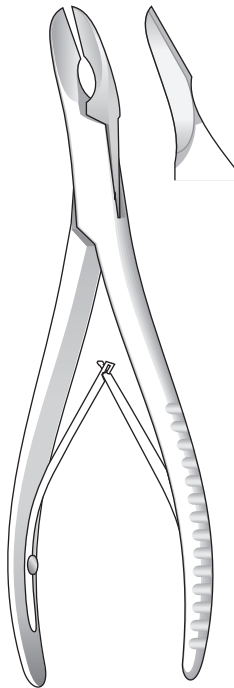
Pinze ossivore

Pinza cortantes para huesos

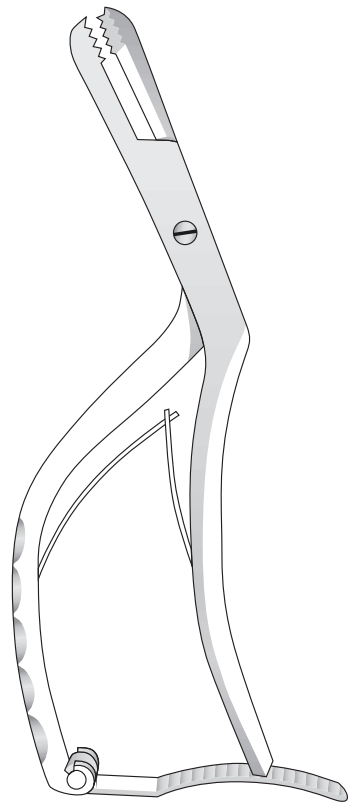
Pinces coupantes à os



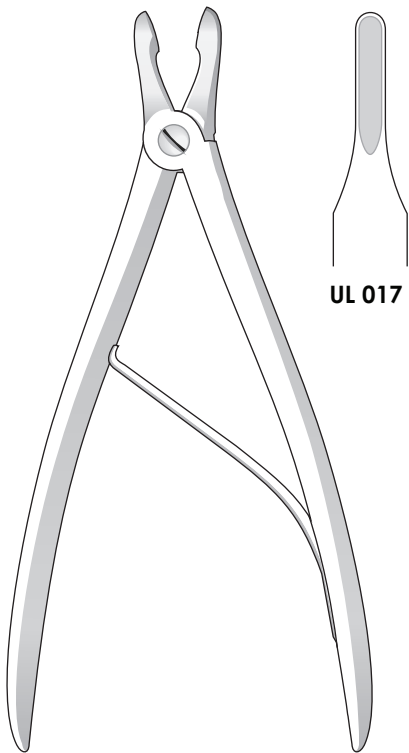
CLEVELAND
UL 981 140 mm
UL 982 170 mm



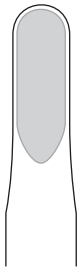
CLEVELAND
UL 983 150 mm
UL 984 170 mm



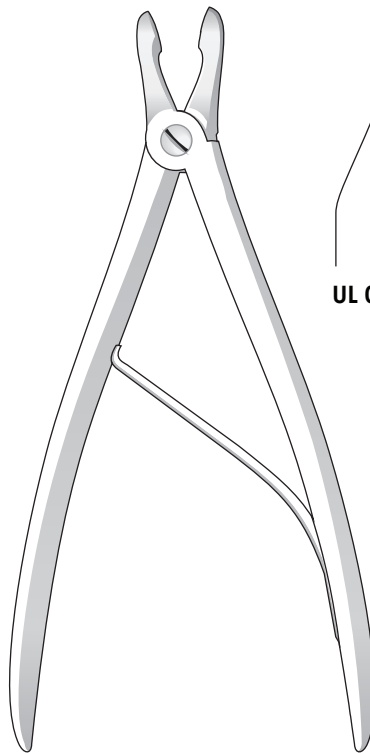
UL 070
200 mm



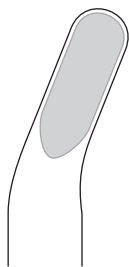
UL 017



UL 019



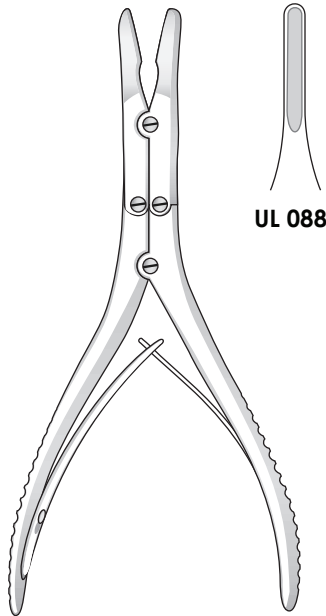
UL 077



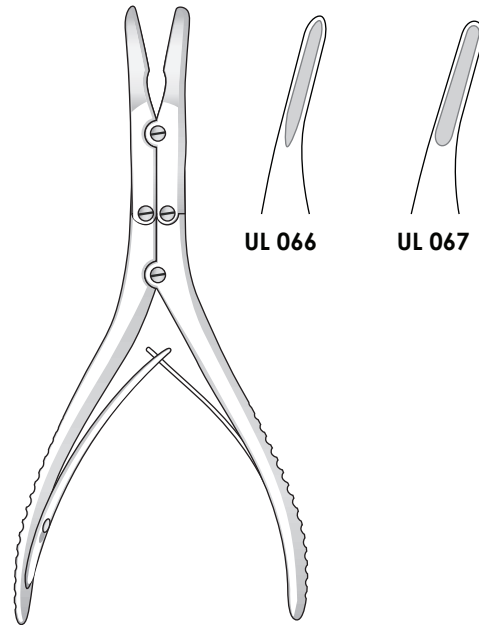
UL 079

CUSHING
190 mm

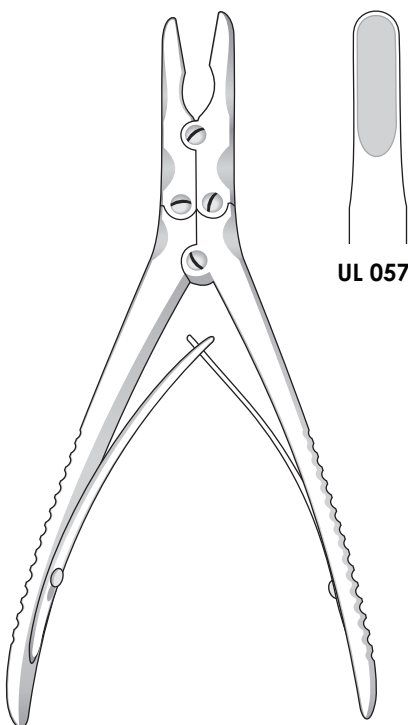
CUSHING
190 mm



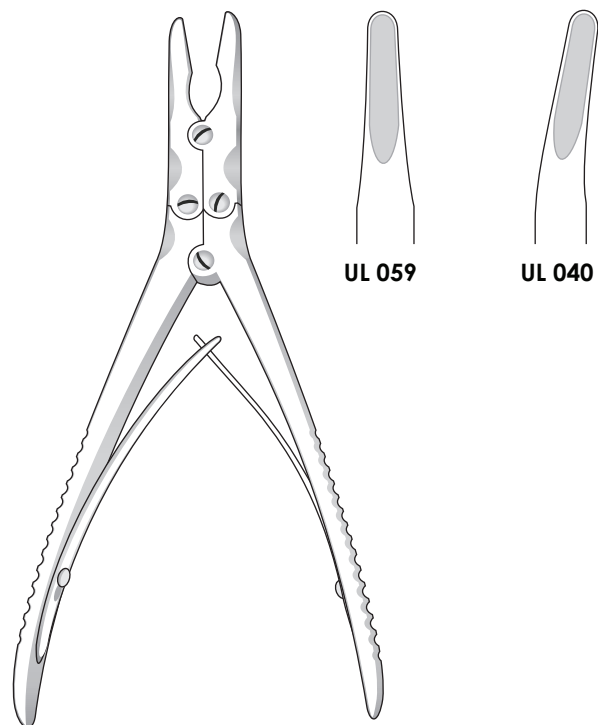
RUSKIN
150 mm



KLEINERT-KUTZ
155 mm



RUSKIN
185 mm



RUSKIN
185 mm



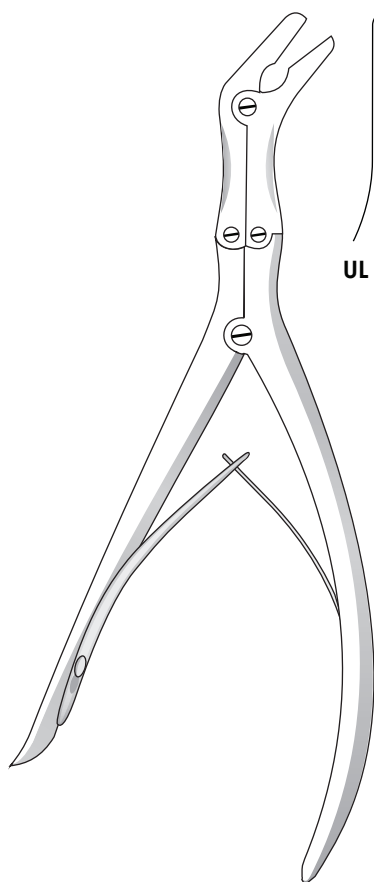
Bone cutting Forceps

Knochensplitterzangen

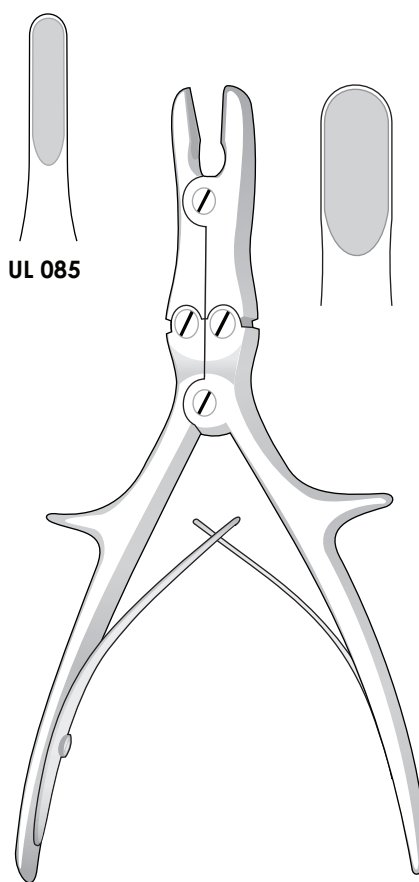
Pinze ossivore

Pinza cortantes para huesos

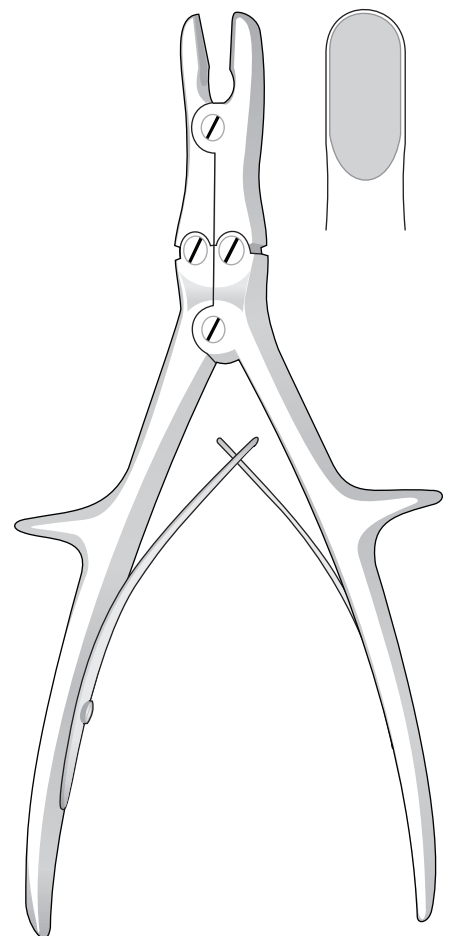
Pinces coupantes à os



LEKSELL
250 mm



LUER-STILLE
UL 078
220 mm



LUER-STILLE
UL 046
260 mm



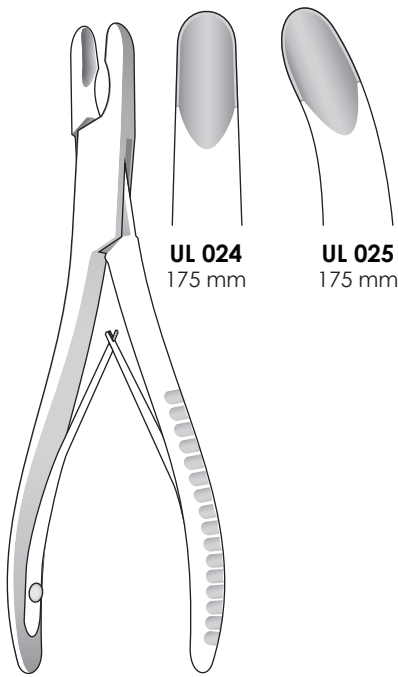
Bone cutting Forceps

Knochensplitterzangen

Pinze ossivore

Pinza cortantes para huesos

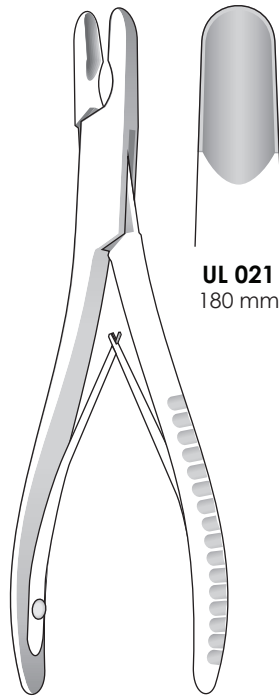
Pinces coupantes à os



UL 024
175 mm

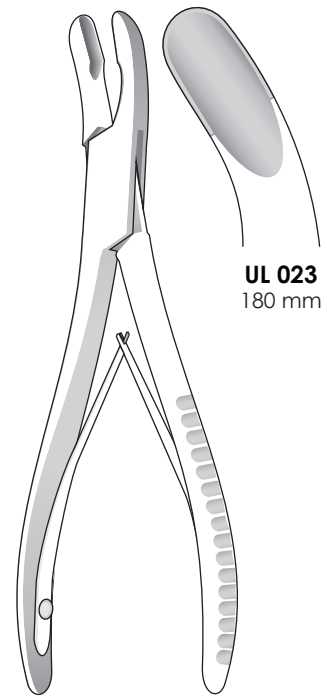
UL 025
175 mm

LUER
175 mm



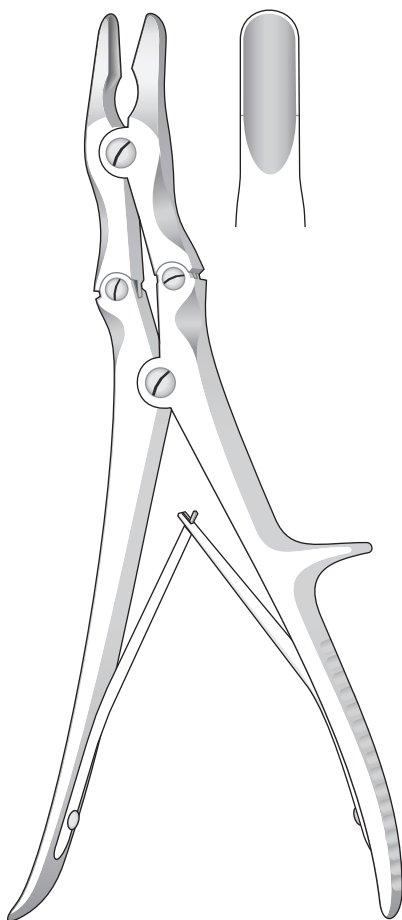
UL 021
180 mm

LUER
180 mm

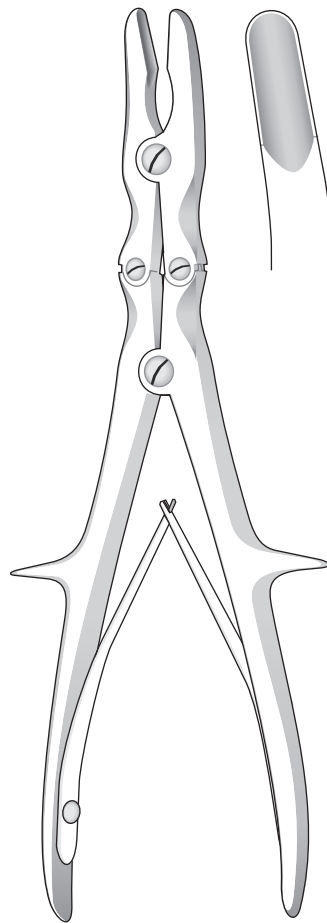


UL 023
180 mm

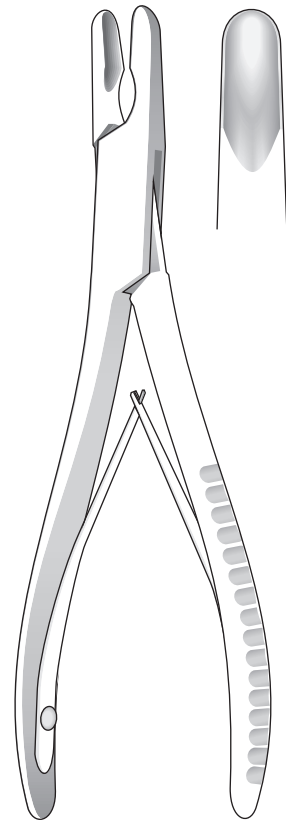
LUER
180 mm



LEKSELL-STILLE
UL 026
240 mm



STILLE-RUSKIN
UL 027
240 mm



ADSON
UL 028
210 mm



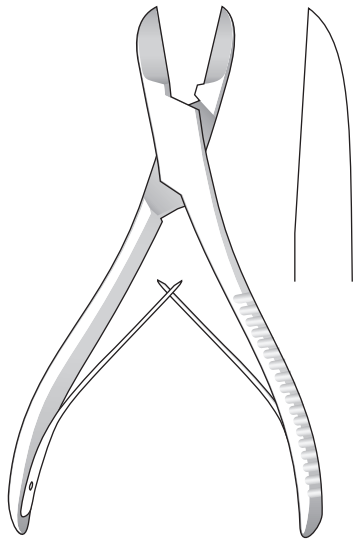
Bone cutting Forceps

Knochensplitterzangen

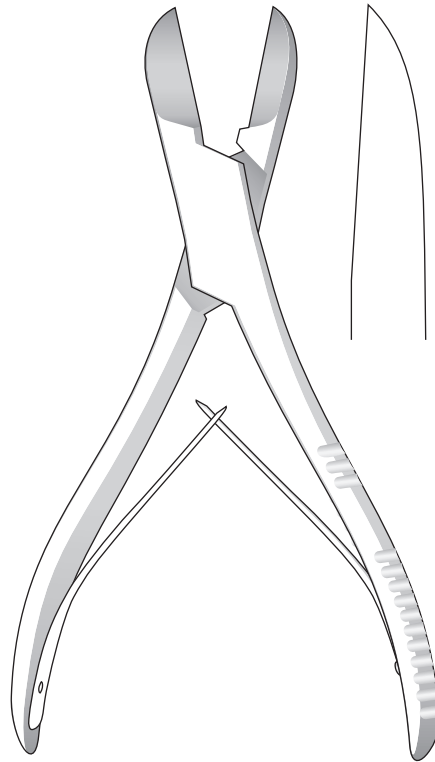
Pinze ossivore

Pinza cortantes para huesos

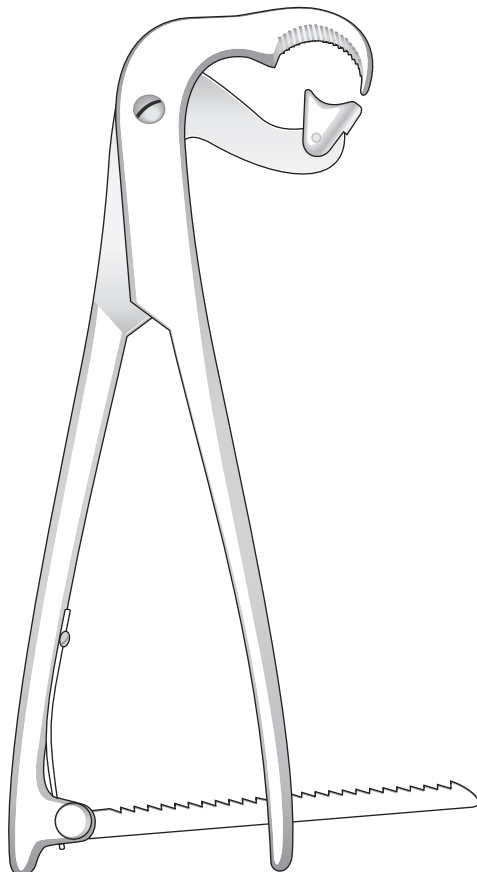
Pinces coupantes à os



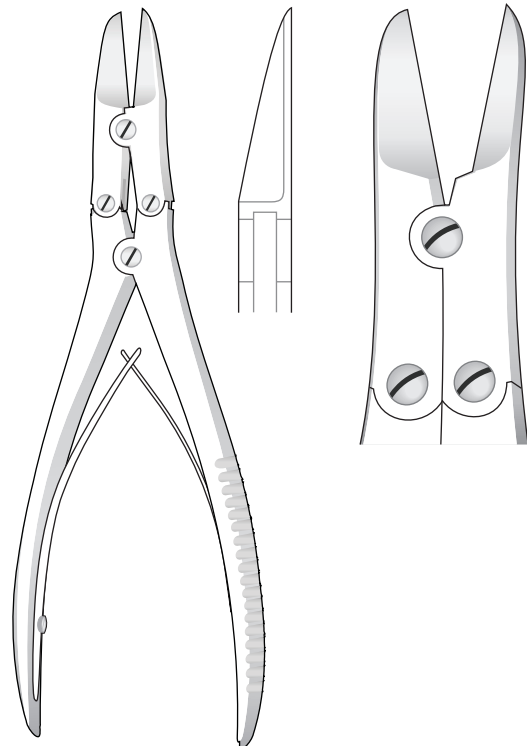
LISTON
OC 001
140 mm



LISTON
OC 006
200 mm



UL 016
275 mm



RUSKIN-LISTON
UL 048
190 mm



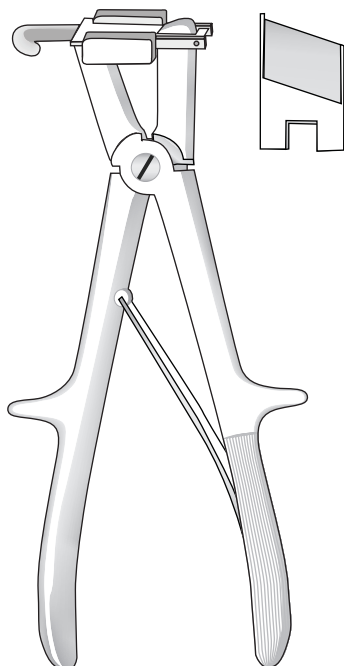
Rib shears

Costotomi, forbici
per sterno

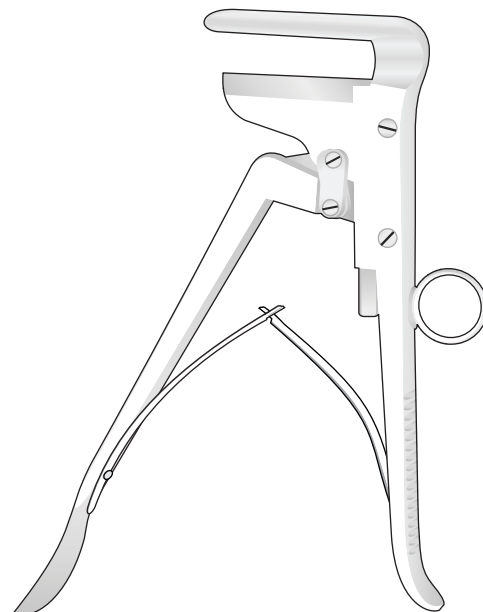
Rippenscheren,
Sternumscheren

Costotomes et
ciseaux-burin à sternum

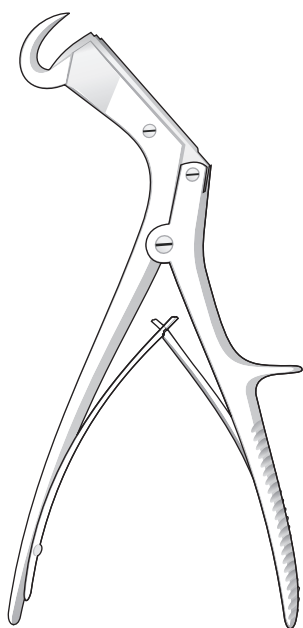
Costotòmos



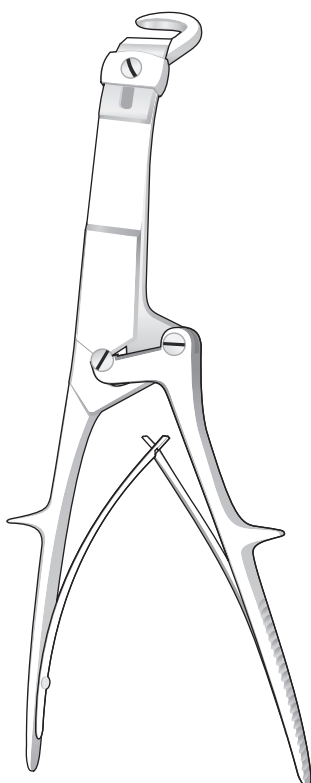
SAUERBRUCH
OC 054- 230 mm
OC 055- 260 mm



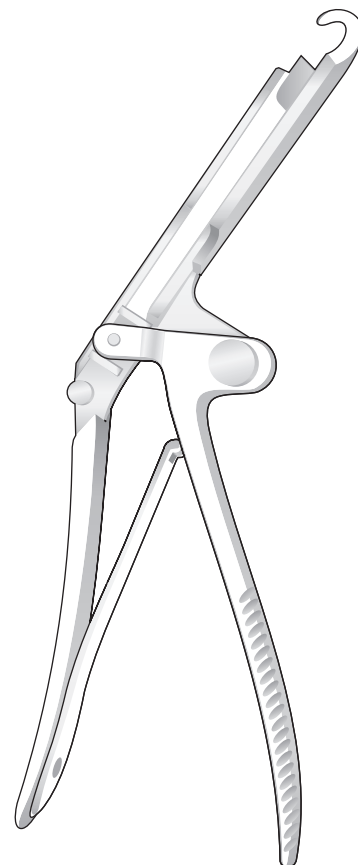
SCHUMACHER
OC 056
210 mm



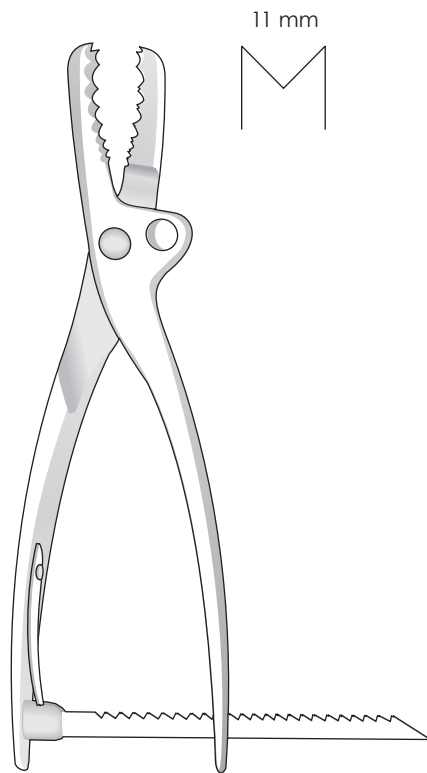
GIERTZ-STILLE
OC 050
250 mm



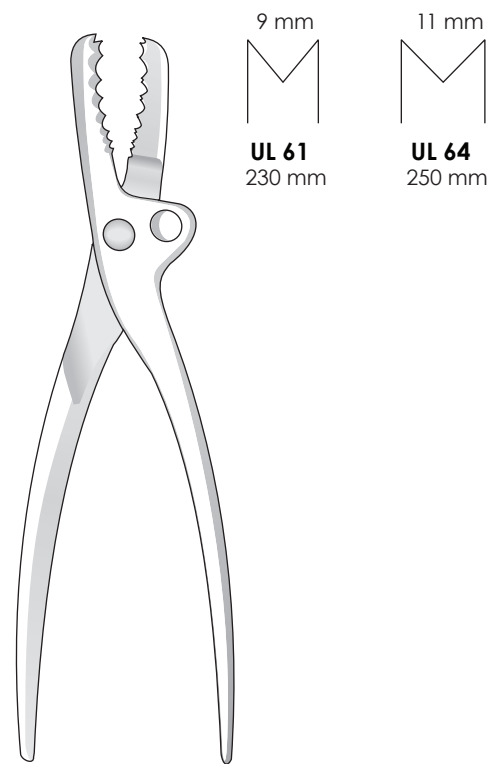
BRUNNER
OC 051- Destro
OC 053- Sinistro
320 mm



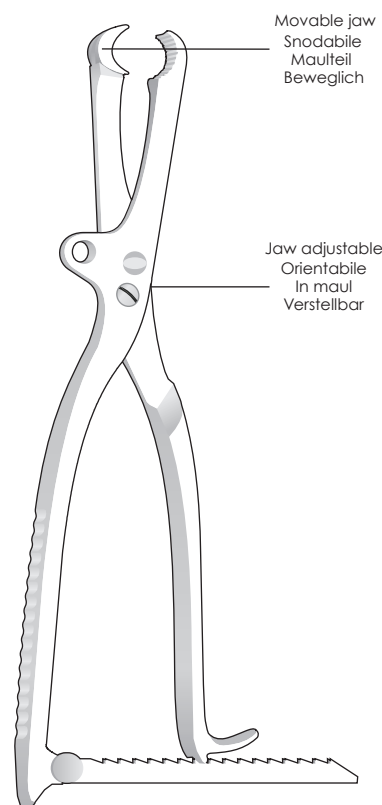
SAUERBRUCH-FREY
OC 052
370 mm



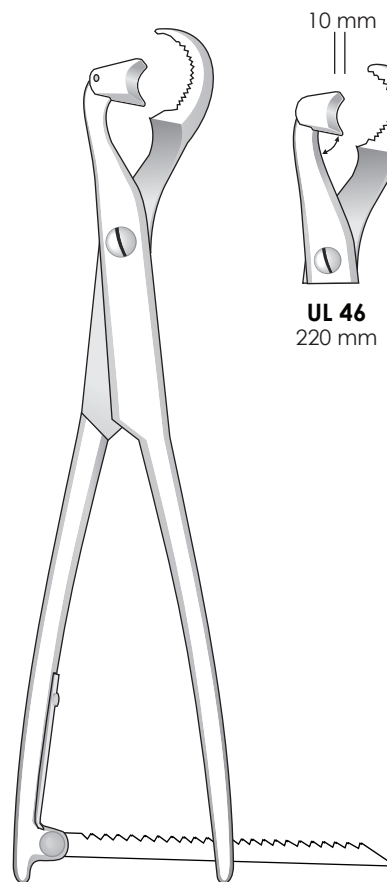
FARABEUF-LAMBOTTE
UL 62
250 mm



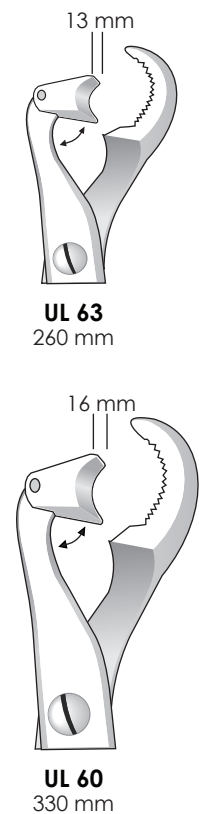
FARABEUF



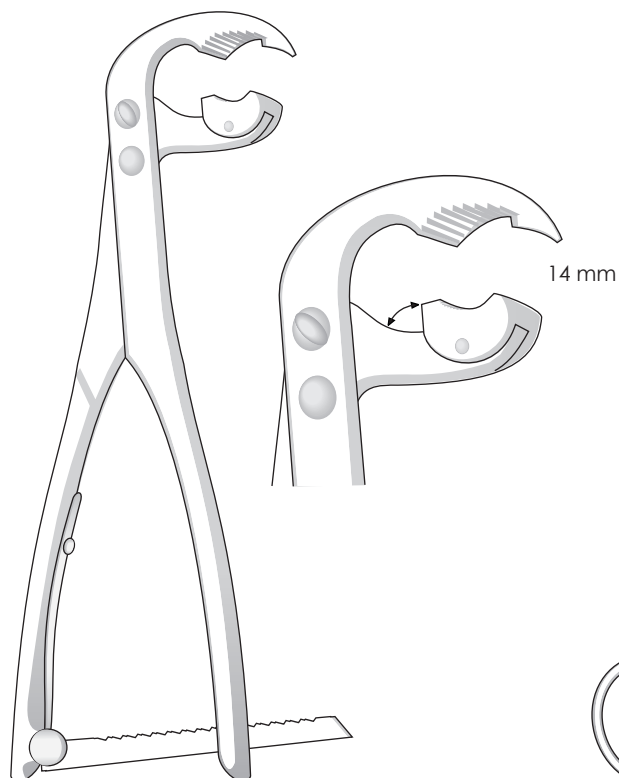
LAMBOTTE
UL 74
265 mm



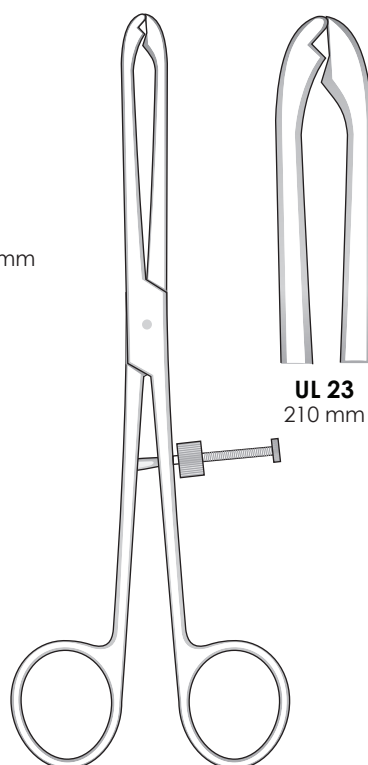
LAMBOTTE
330 mm



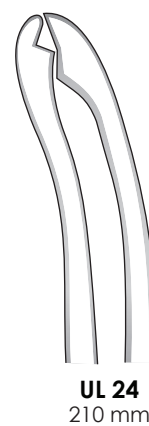
UL 60
330 mm



UL 48
215 mm

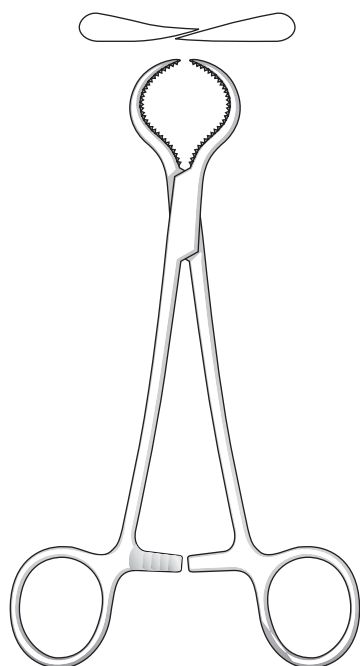


UL 23
210 mm

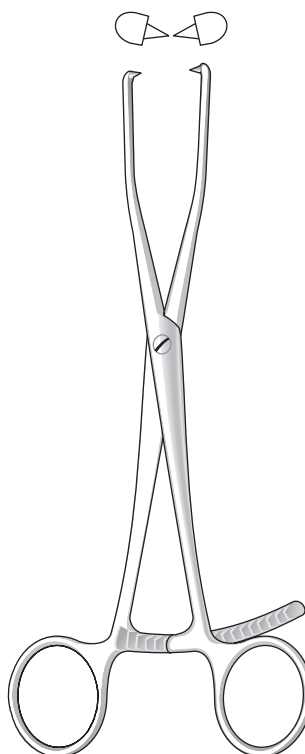


UL 24
210 mm

FIBULA
210 mm



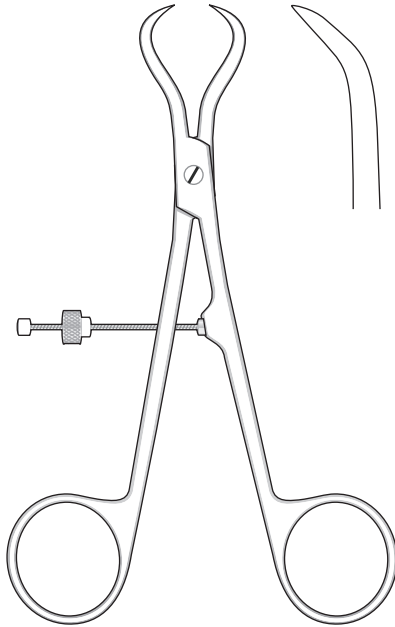
LEWIN
UL 59
180 mm



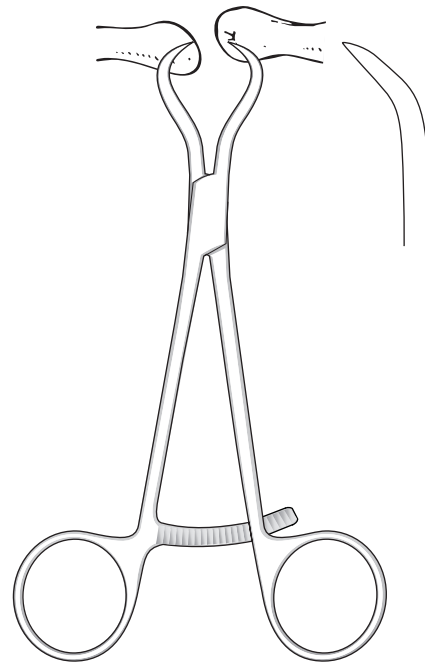
UL 57
210 mm



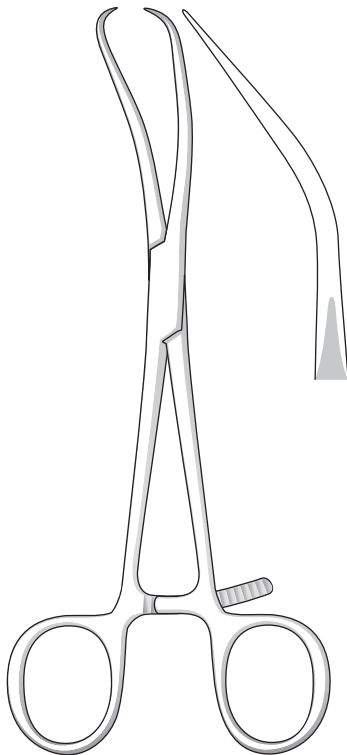
Reposition forceps - Pinzas para la reducción de dedos
Pinze riposizionatrici di osso - Repositionszangen



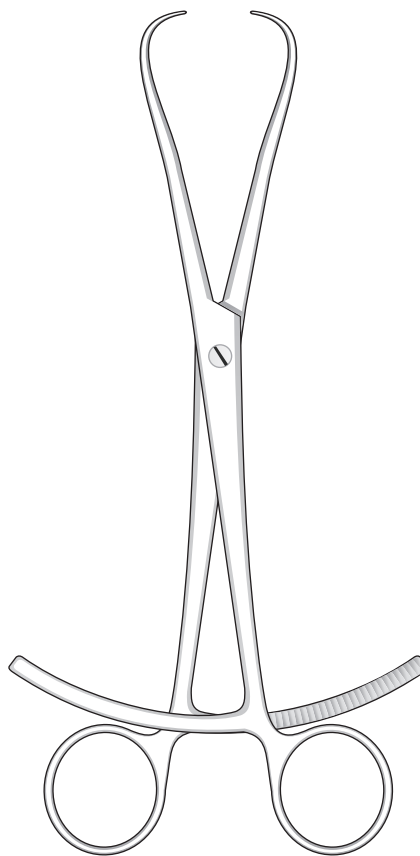
UL 49
140 mm



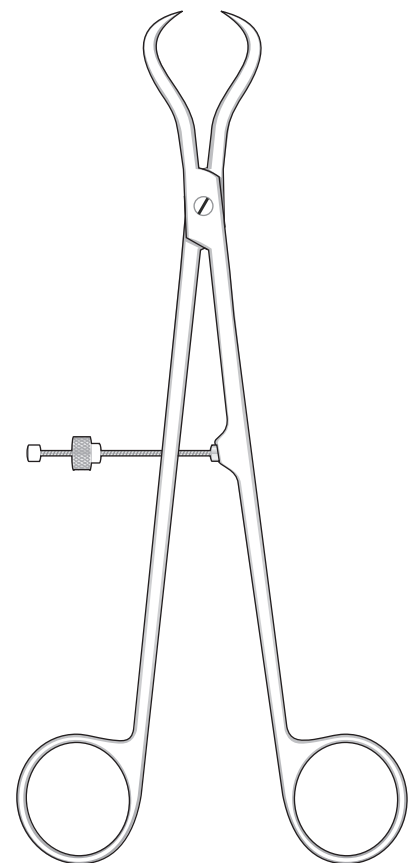
UL 56
135 mm



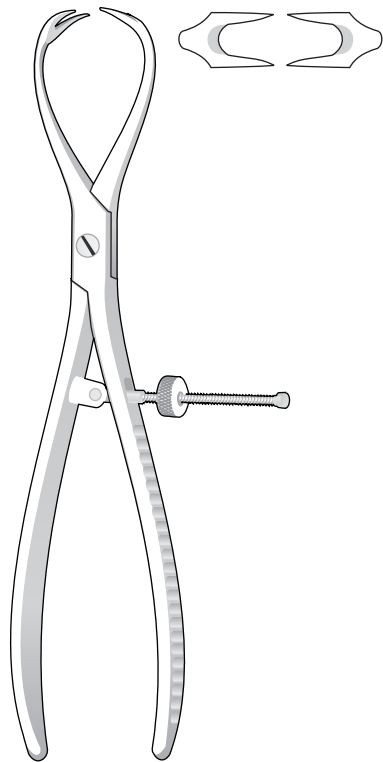
REILL
UL 54
170 mm



UL 58
200 mm



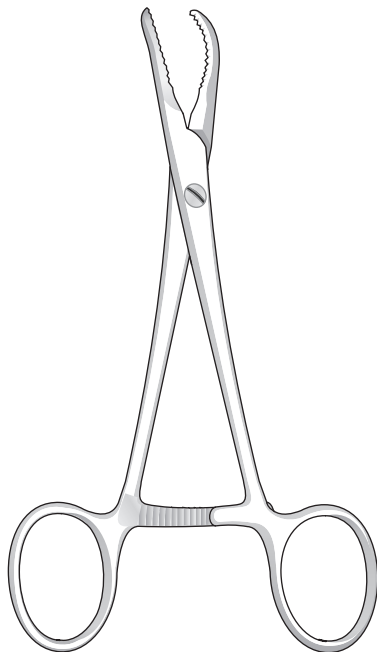
UL 31
210 mm



PATELLA
UL 76
185 mm

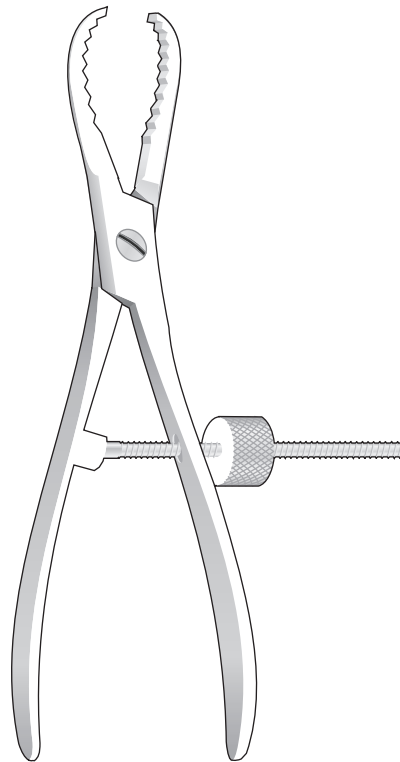
Forceps with thread fixation
Pinza con regolazione

Forceps with ratchet fixation
Pinza con cremagliera

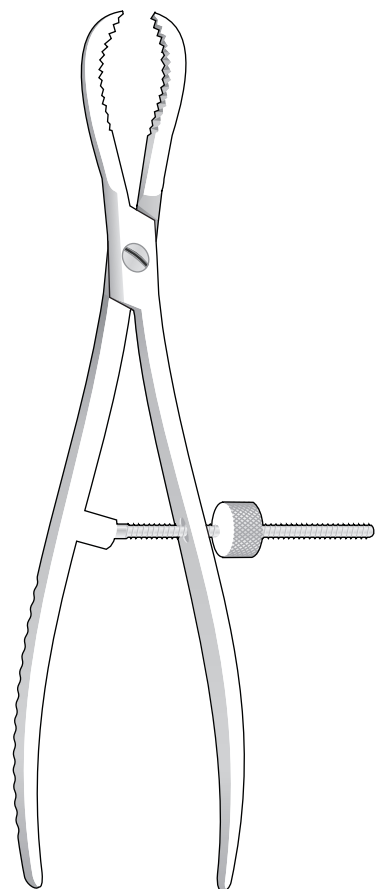


UL 77
140 mm

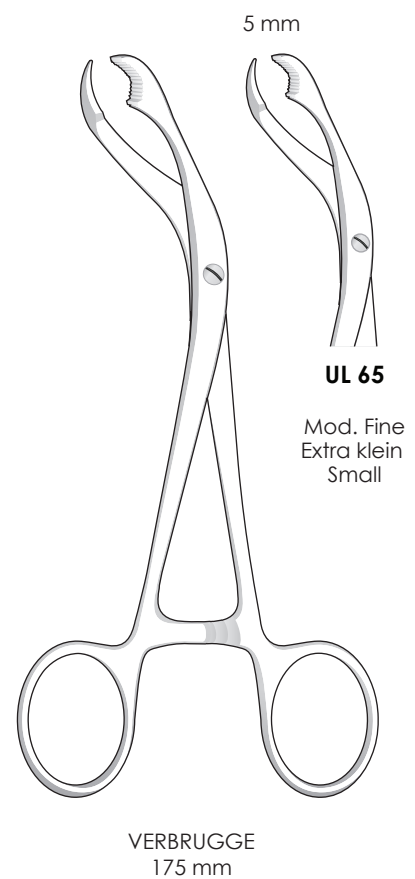
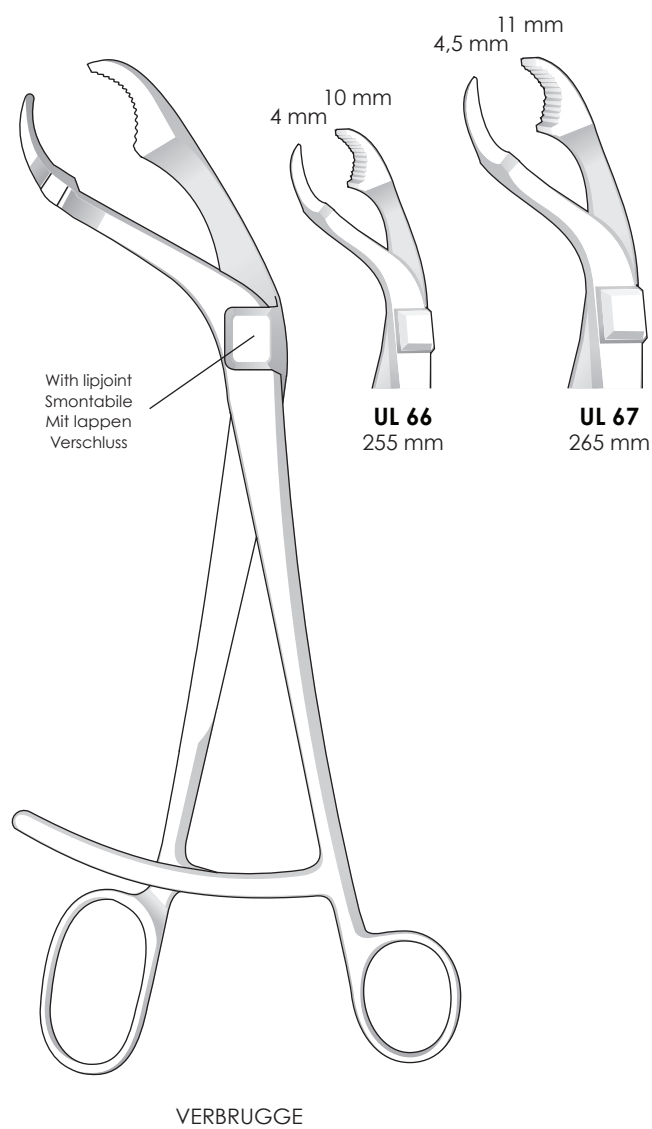
Forceps with thread fixation
Pinza con regolazione



UL 78
170 mm

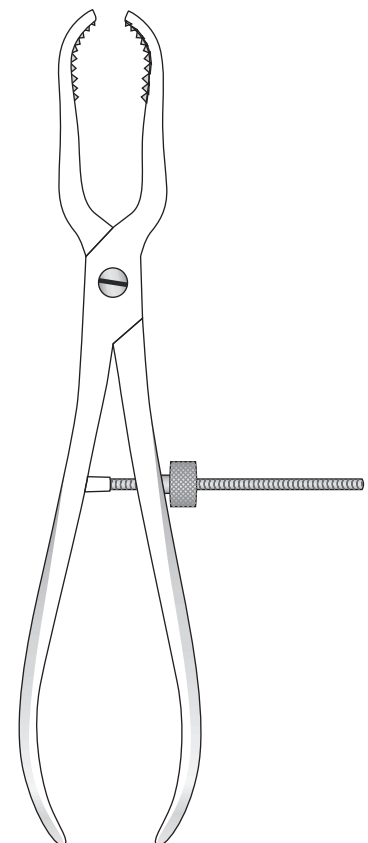
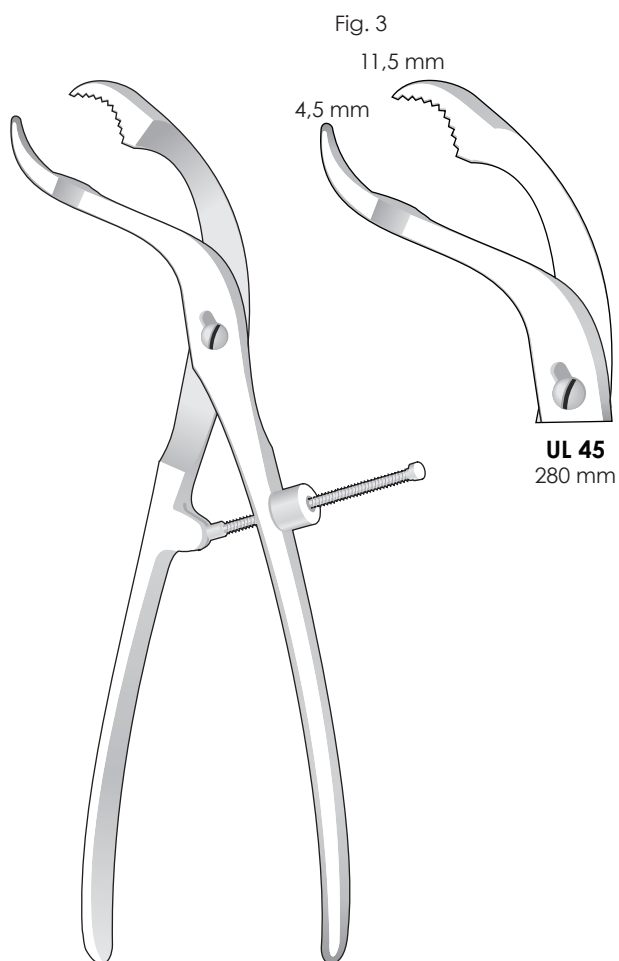
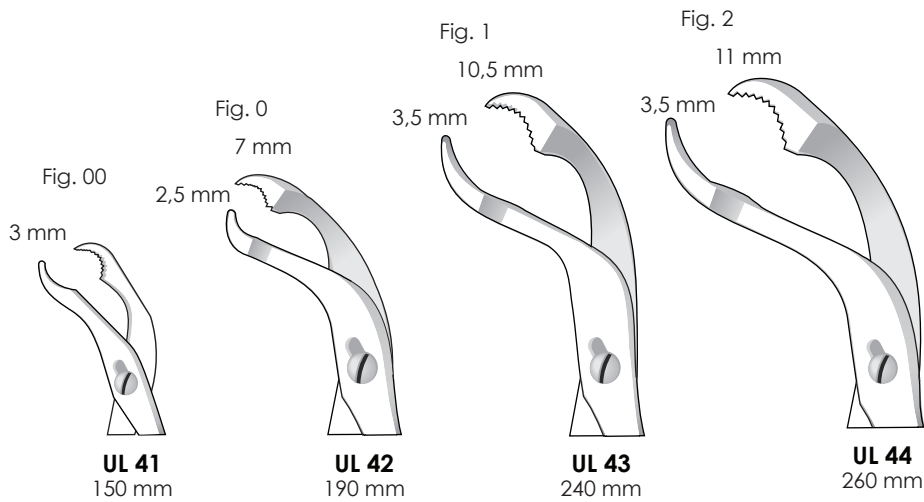


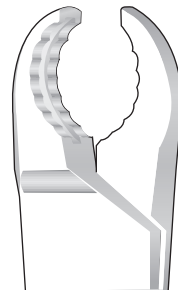
UL 79
235 mm



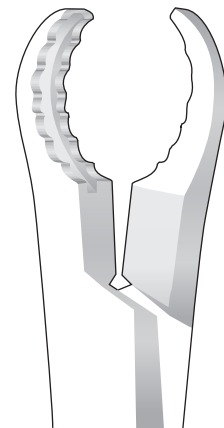


Self-centering bone holding forceps with thread lock
Autocentrante con blocco
Selbstzentrierend mit gewindesperre

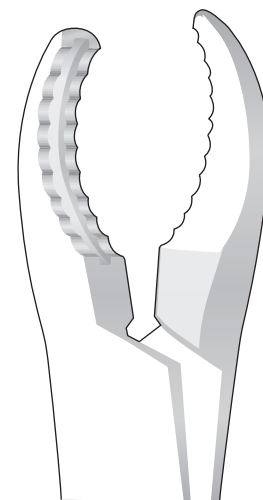




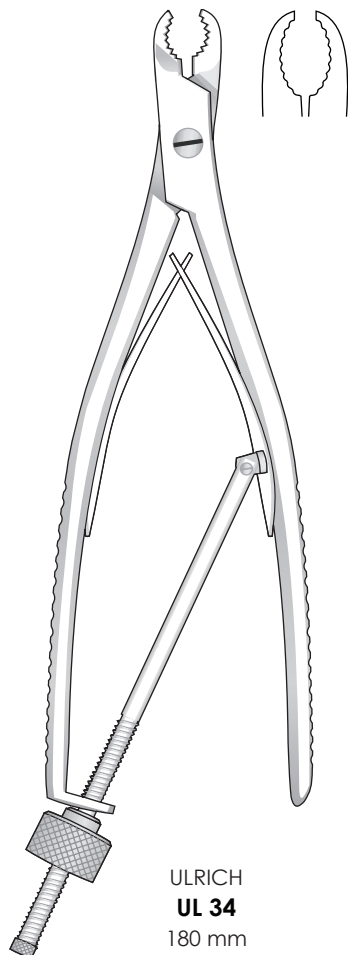
UL 52
230 mm



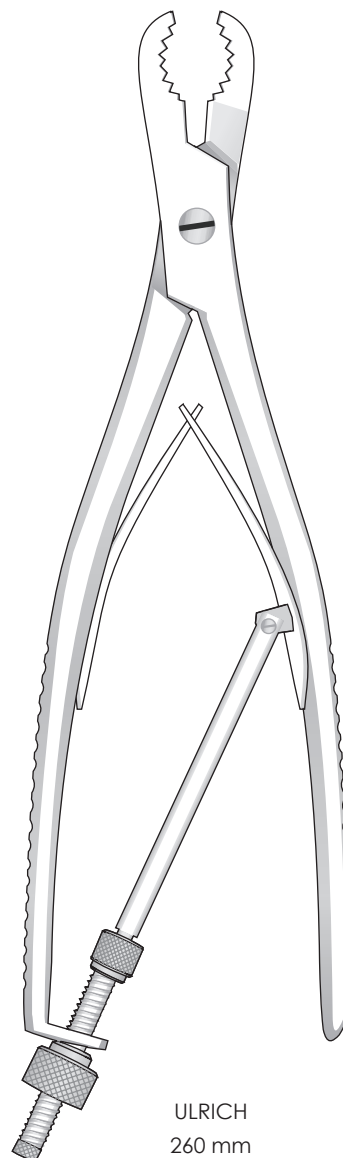
UL 32
250 mm



UL 015
280 mm



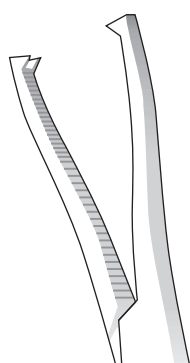
ULRICH
UL 34
180 mm



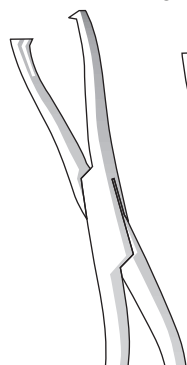
ULRICH
260 mm



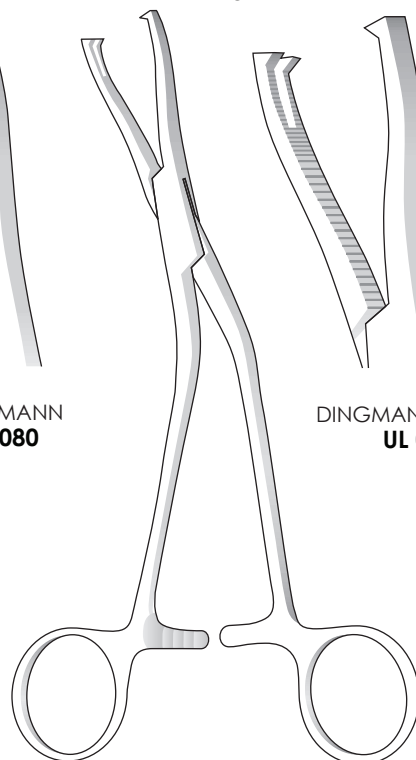
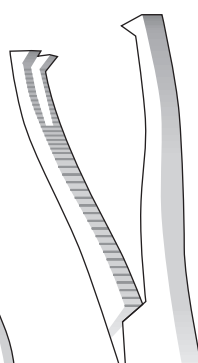
Pliers for cartilage



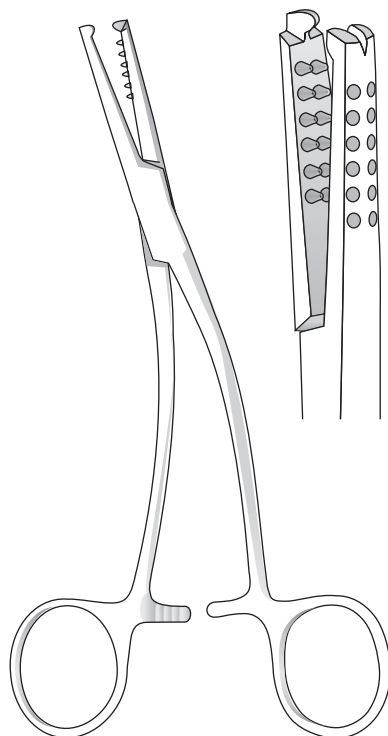
DINGMANN
UL 080



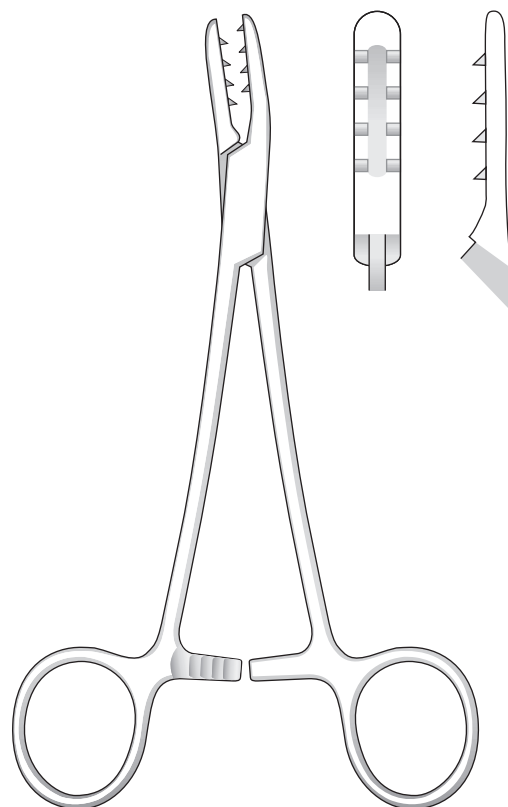
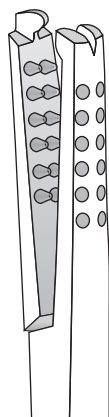
DINGMANN MODIF.
UL 081



DINGMANN
190 mm



UL 083
185 mm



MARTIN
UL 084
200 mm





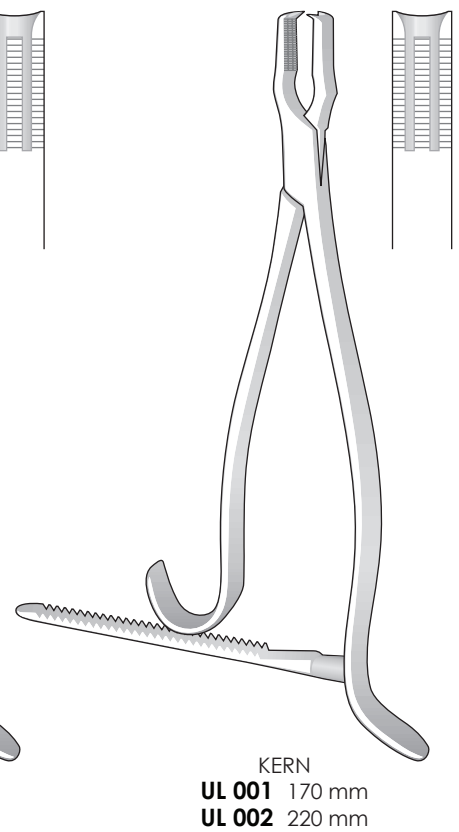
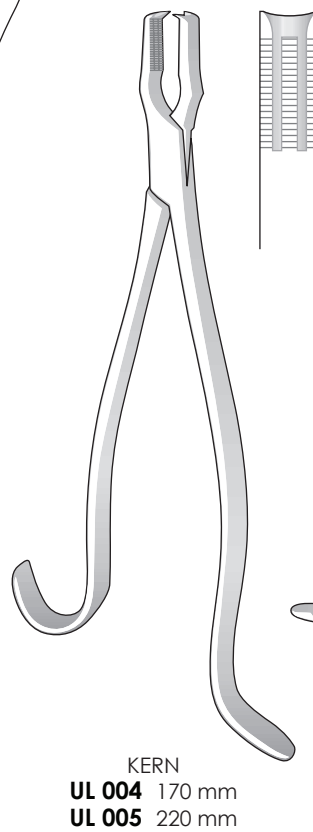
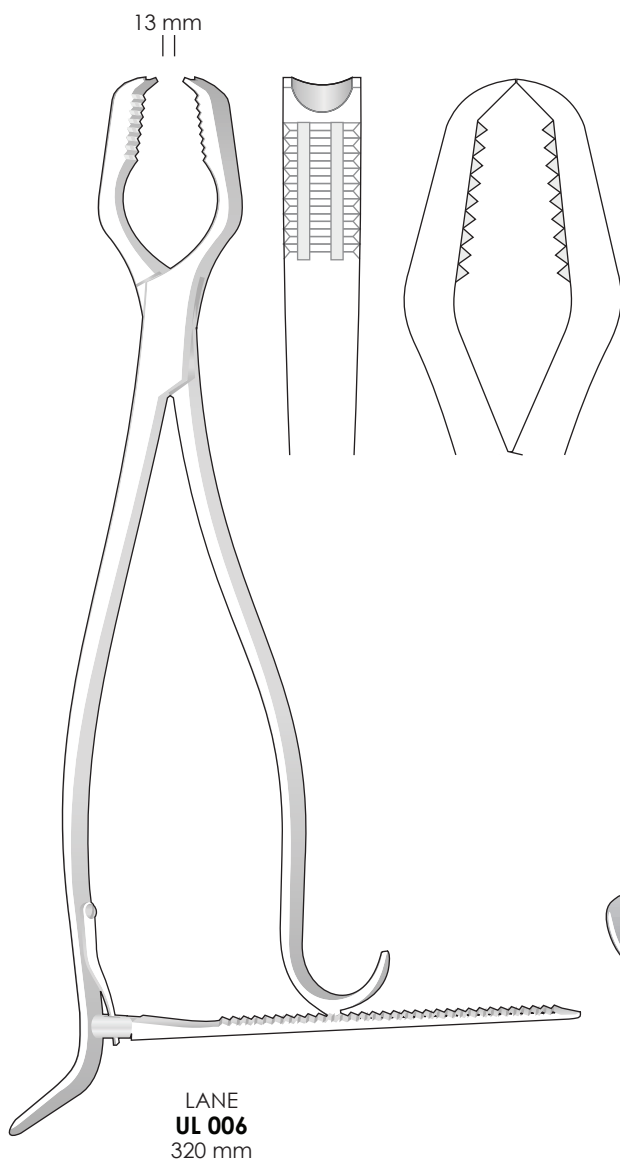
Bone holding forceps

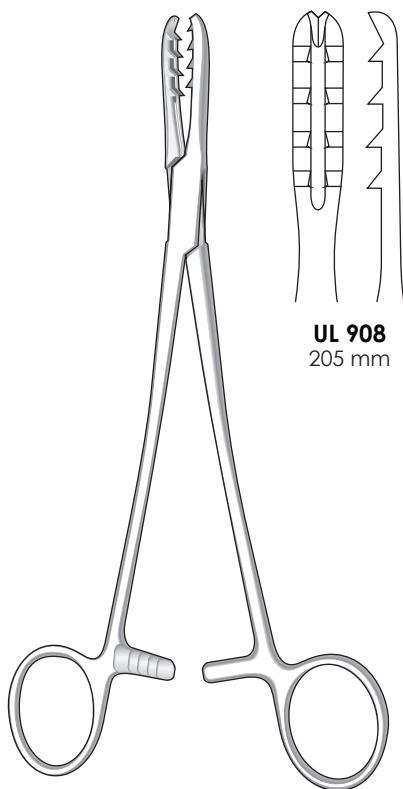
Pinze per fissazione ossea

Knochenhaltezeugen

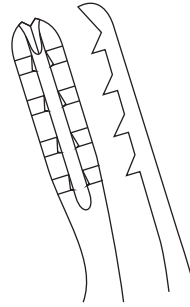
Daviers porte-os

Pinzas para huesos

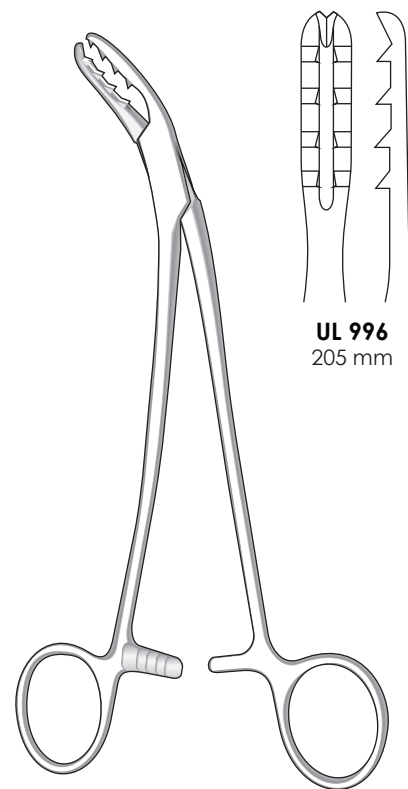




UL 908
205 mm



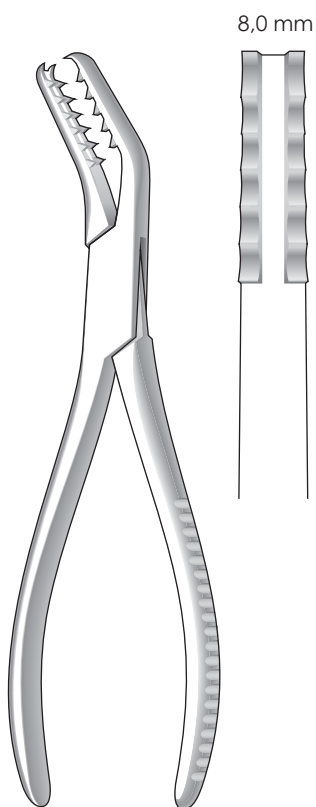
UL 909
205 mm



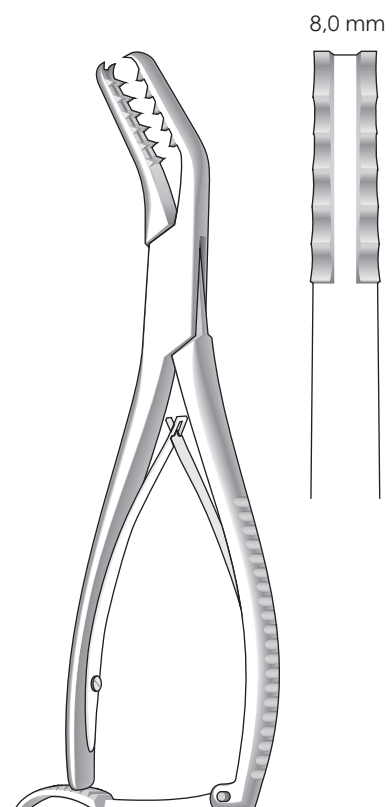
UL 996
205 mm

BIRCHER-GANSKE
205 mm

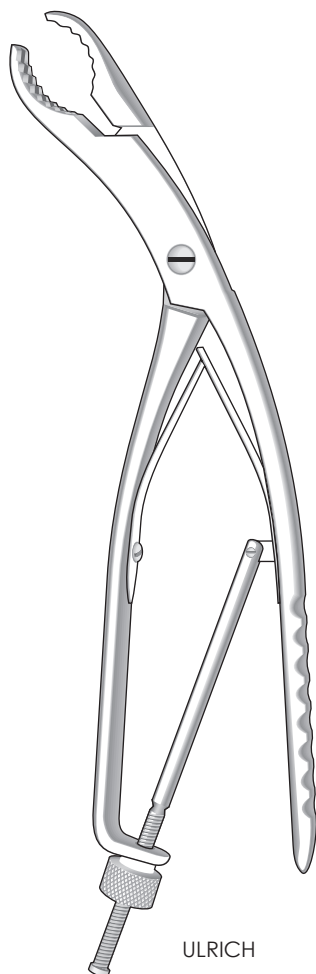
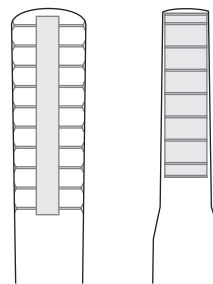
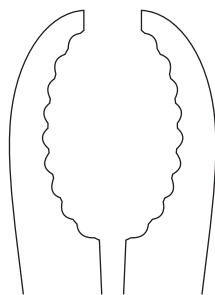
BIRCHER-GANSKE
200 mm



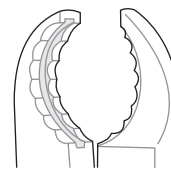
SEMB
UL 986
190 mm



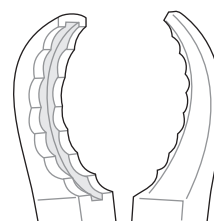
SEMB
UL 987
190 mm



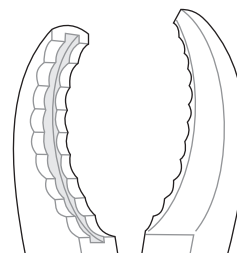
ULRICH



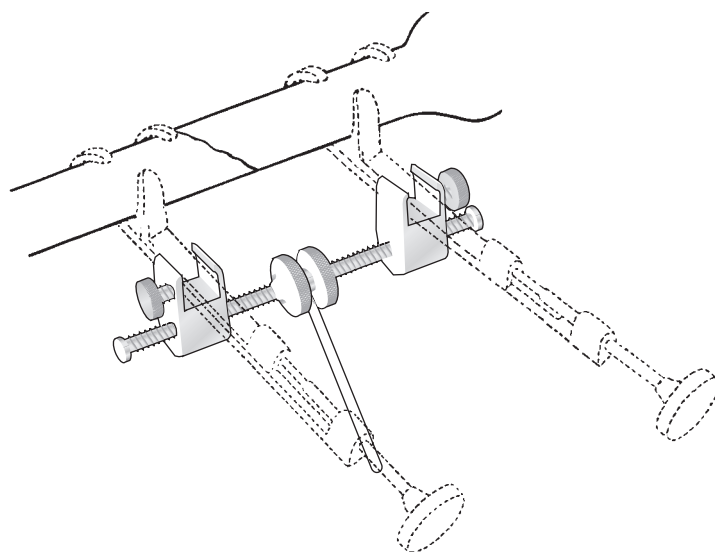
UL 916
220 mm



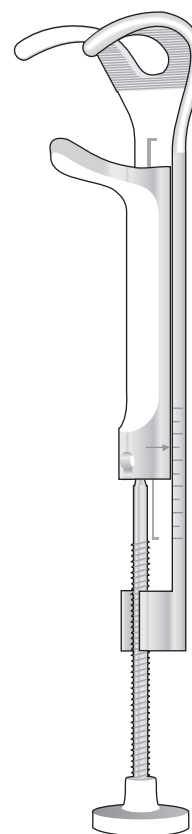
UL 917
240 mm



UL 40
270 mm



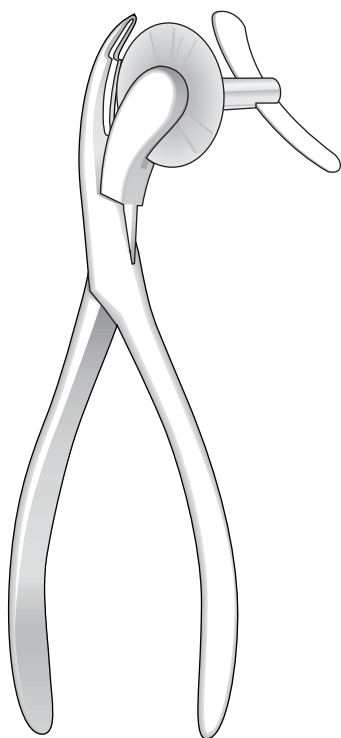
GERSTER
UL 26



GERSTER-LOWMAN
UL 20 120 mm
UL 21 185 mm
UL 22 200 mm

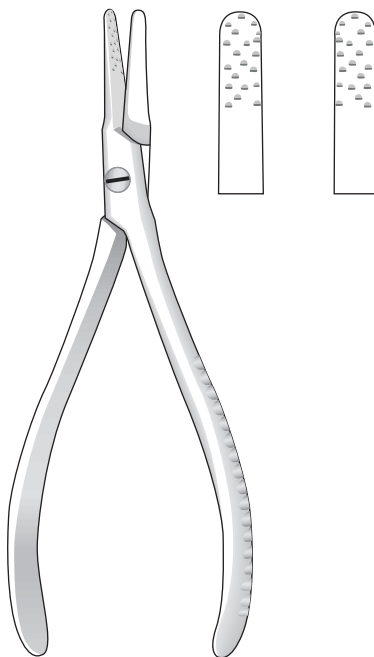


Forceps for opening rings - Pinza taglia anelli
Fingerringsägen - Scies pour bagues - Sierra para anillos



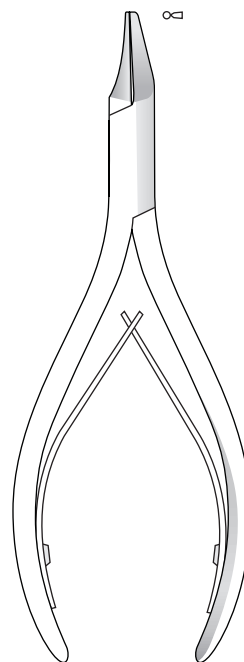
UL 30
170 mm

Nail extracting forceps
Pinza per estrazione delle unghie
Nagel aus reisszange
Pince pour extraire les ongles
Pinzas para arrancar uñas



RADOLF
UL 069
135 mm

Nail nipper
Pinza per unghie
Nagelspaltzange
Pince à ongles
Pinzas corta uñas



WK 19
135 mm



Ligature needles

Aghi per legature

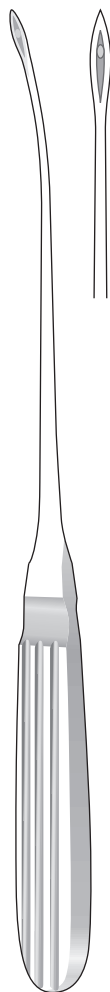
Unterbindungsnadeln

Aiguilles à ligatures

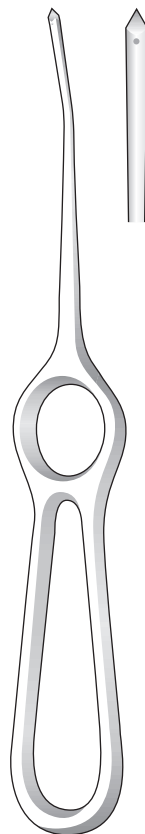
Agujas para ligaduras



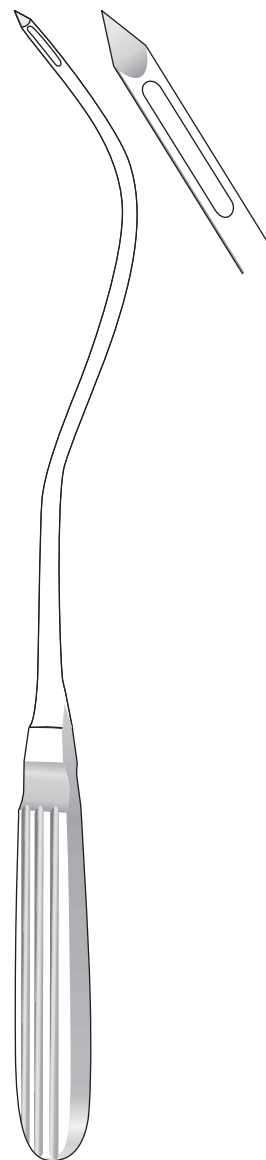
OBWEGESER
WL 80
140 mm



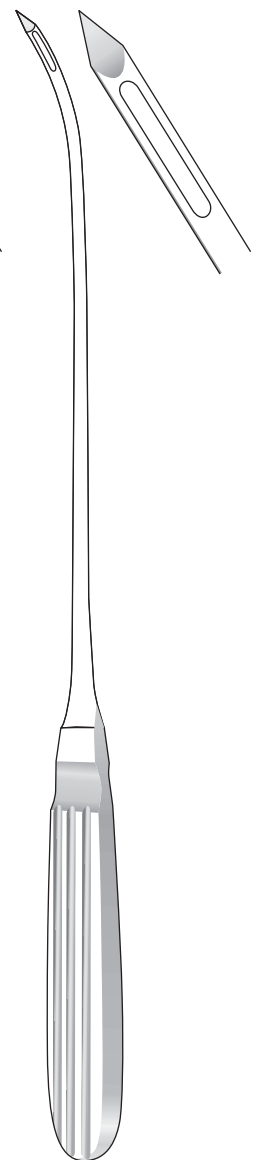
OBWEGESER
WL 81
230 mm



WL 82
180 mm



SANDERS-BROWN
WL 74
290 mm



SANDERS-BROWN
WL 79
300 mm



Awis
Reamers

Perforatori
a mano

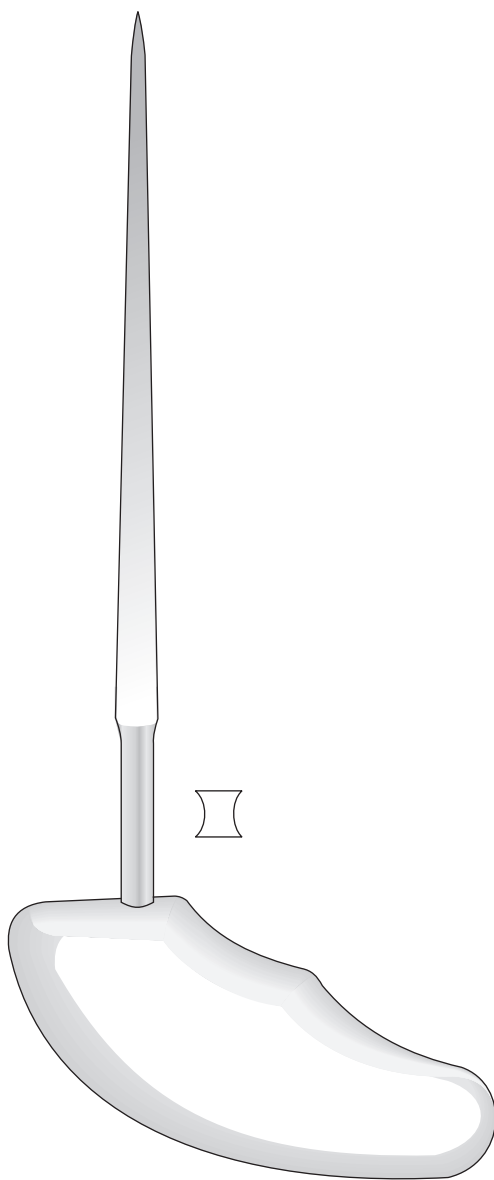
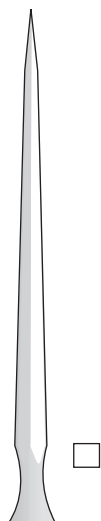
Bohrinstrumente
pfrieme

Instruments à perforer
alènes

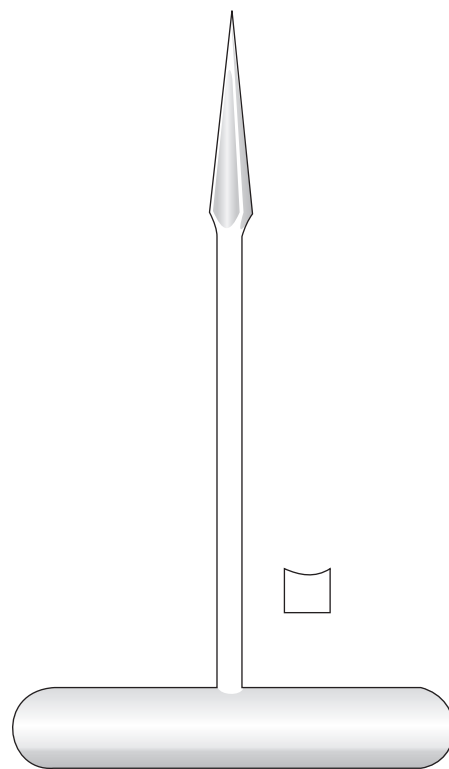
Perforadores
para huesos



GI 46
140 mm



PERTHES
GI 47
210 mm



GI 48
140 mm



Dermal punches - Trépanos cutáneos
Punche da biopsia - Hautstanzen



KEYES
100 mm



VO 060
3 mm



VO 061
4 mm



VO 062
5 mm



VO 063
6 mm



170 mm



UP 22

Inside	Outside
Interno	Esterno
Innen	Außen
Intérieur	Extérieur
Interior	Exterior
Ø 3 mm	Ø 4 mm



UP 20

Inside	Outside
Interno	Esterno
Innen	Außen
Intérieur	Extérieur
Interior	Exterior
Ø 3,9 mm	Ø 5 mm

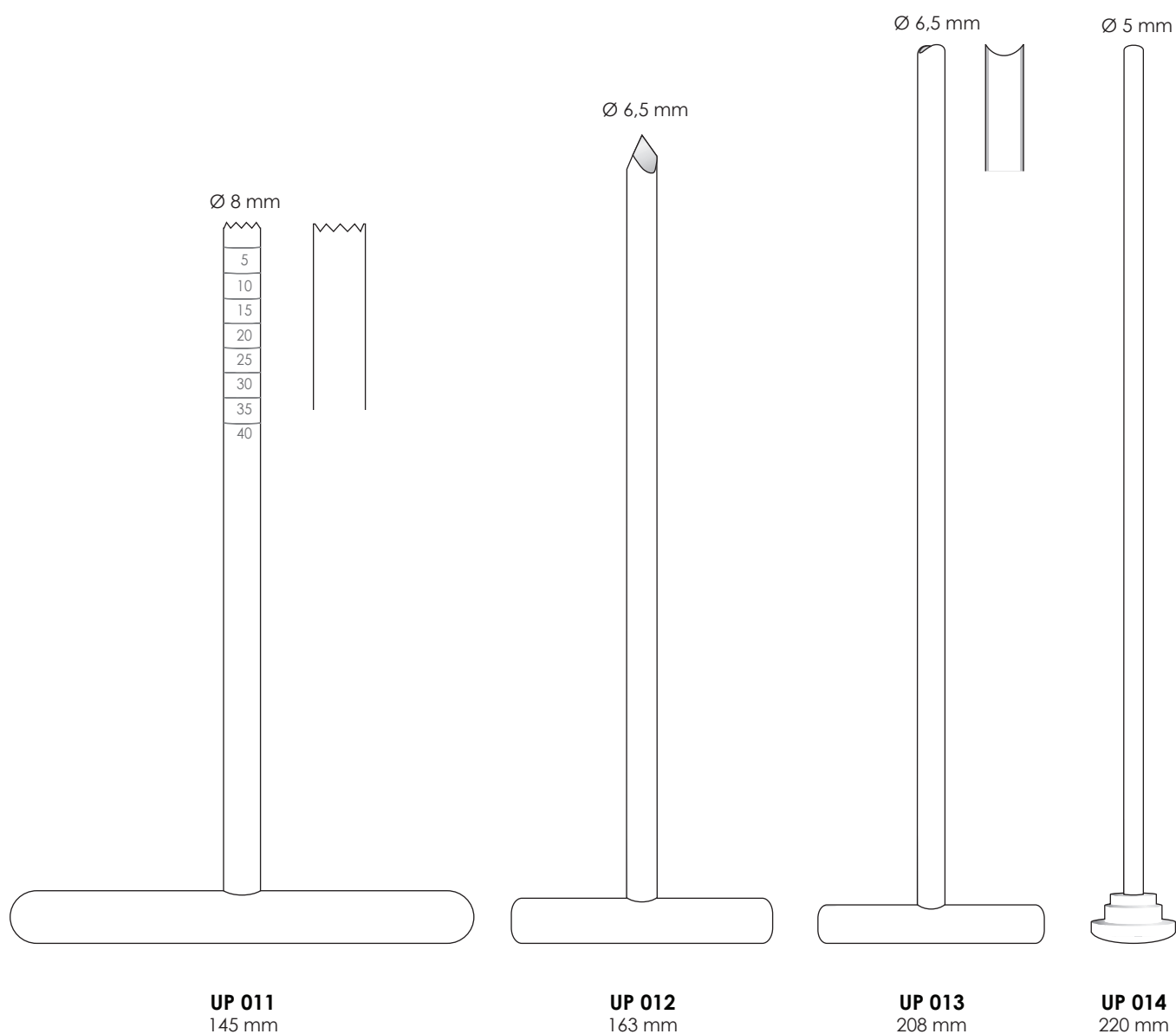


UP 21

Inside	Outside
Interno	Esterno
Innen	Außen
Intérieur	Extérieur
Interior	Exterior
Ø 6,4 mm	Ø 8 mm

**UP 010**

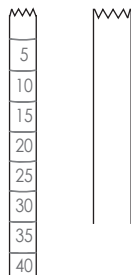
Set complete with 4 pieces
Set completo di 4 pezzi
Komplettset mit 4 Teilen
Set complet avec 4 pièces
Set completo con 4 piezas



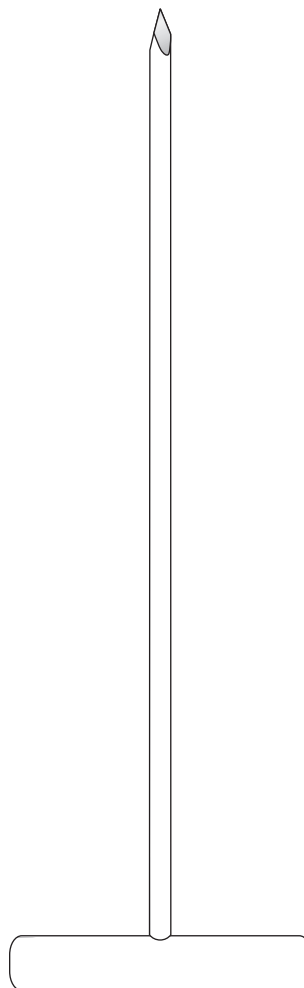
**UP 015**

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

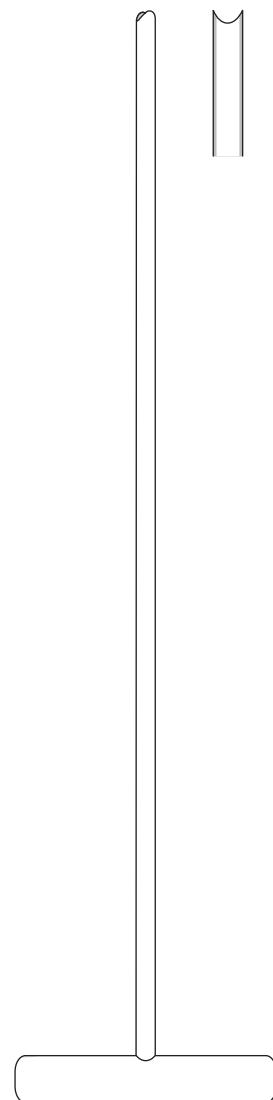
Ø 5 mm

**UP 016**
145 mm

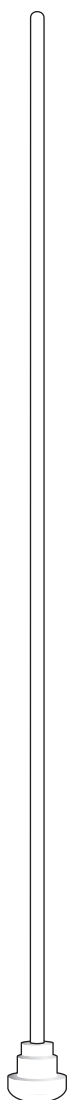
Ø 3,9 mm

**UP 017**
163 mm

Ø 3,9 mm

**UP 018**
208 mm

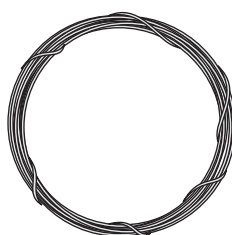
Ø 3 mm

**UP 019**
220 mm



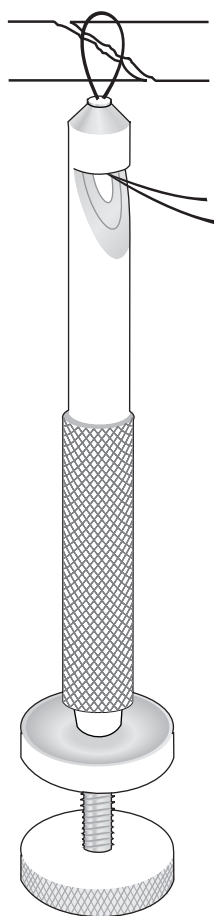
Wire instrument set
Strumenti per filo di cerchiaggio
Drahtinstrumentarium
Instruments à fil
Instrumental para cerclaje

Wire soft
Filo malleabile
per compattare l'osso
Draht weich
Fil à os
Alambre ligadura



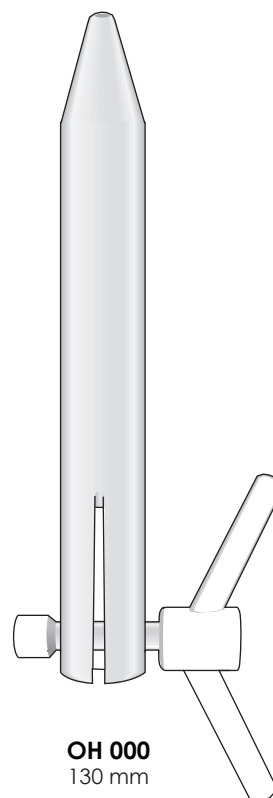
10 mt.

Ø/Diam.	Code
0,2 mm	PR 912
0,3 mm	PR 913
0,4 mm	PR 914
0,5 mm	PR 915
0,6 mm	PR 916
0,7 mm	PR 917
0,8 mm	PR 918
0,9 mm	PR 919
1,0 mm	PR 900
1,2 mm	PR 901
1,5 mm	PR 902



LOUTE
PR 892
220 mm

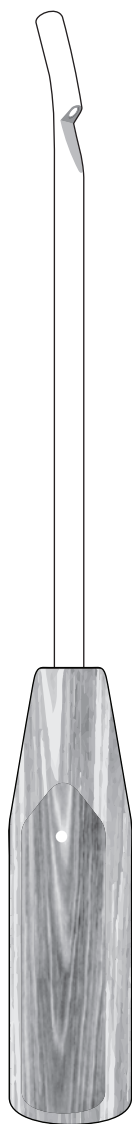
Bone wire tighteners
Strumenti tendifili
Drahtspanninstrument
Tendeur serre fils
Tensor cierra-hilos



OH 000
130 mm

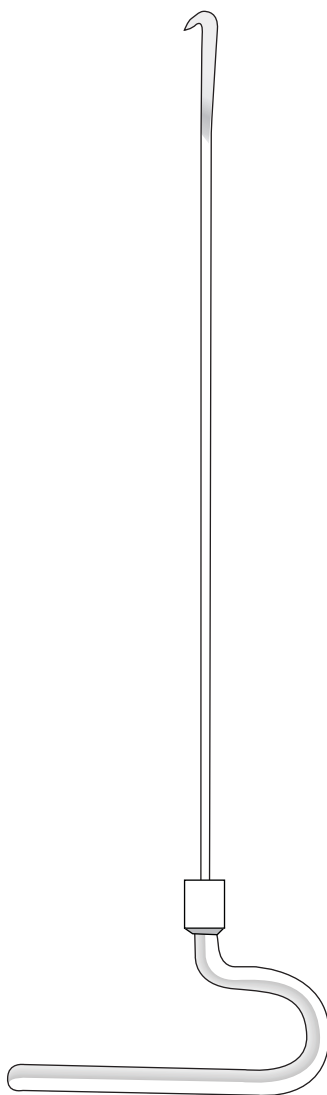


Up to Ø 3 mm
Fino a Ø 3 mm
Bis Ø 3 mm



WAGNER
OH 016
300 mm

Extraction hooks
Gancio d'estrazione
Extraktions haken
Crochets d'extraction
Ganchos extractores



PR 816 - 290 mm
PR 817 - 370 mm
PR 818 - 420 mm



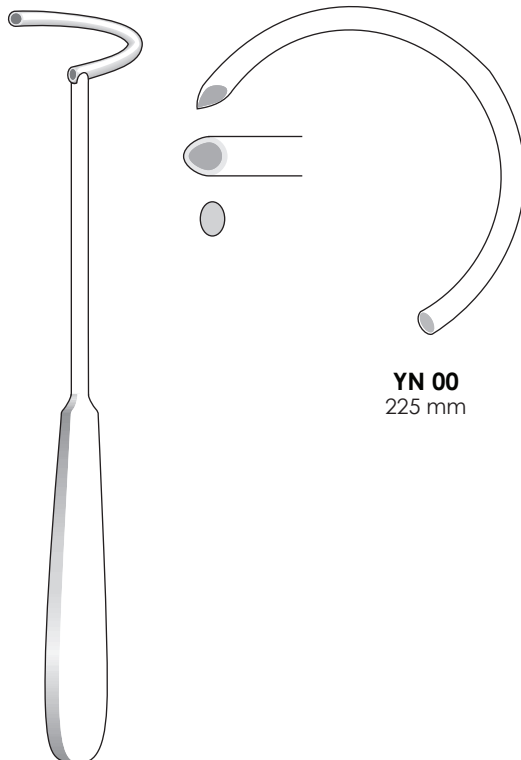
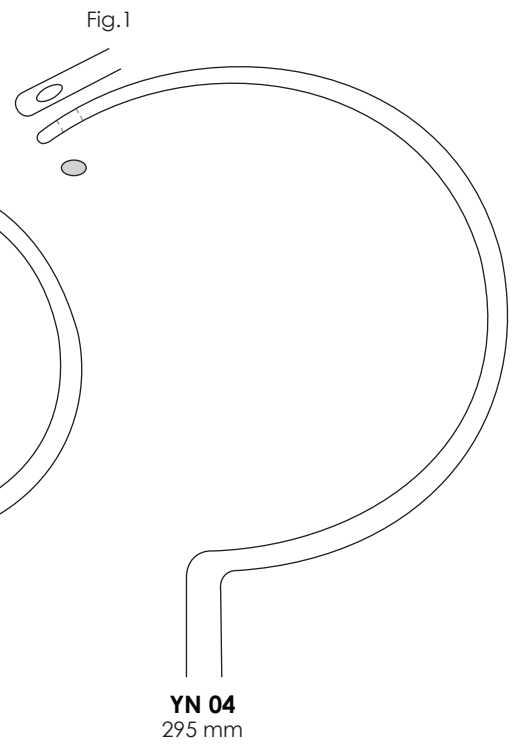
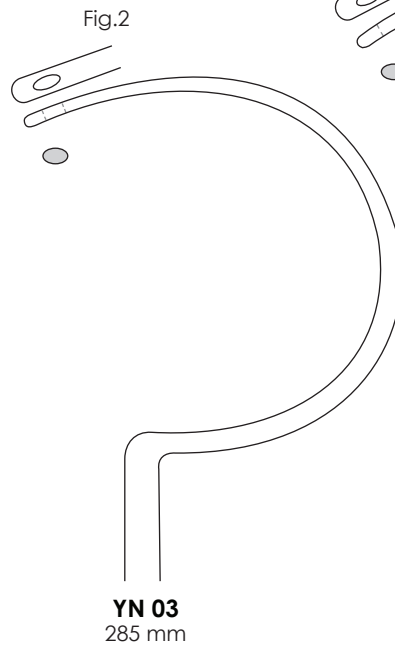
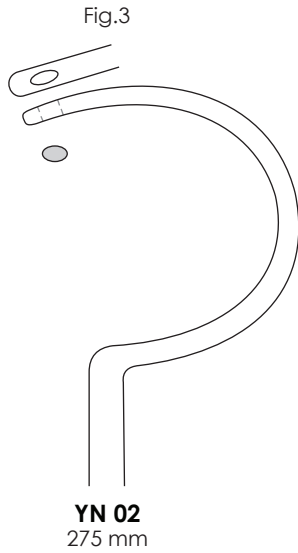
OH 010
120 mm



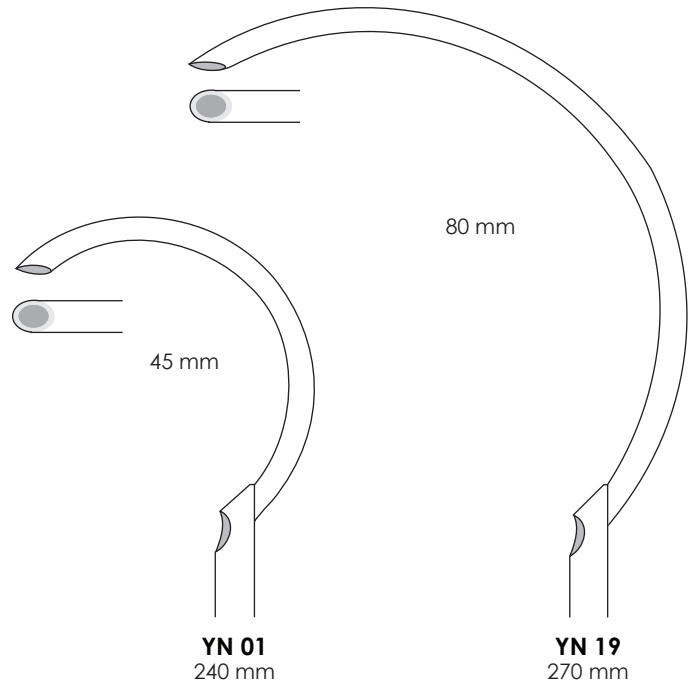
KÜNTSCHER
UP 19
210 mm

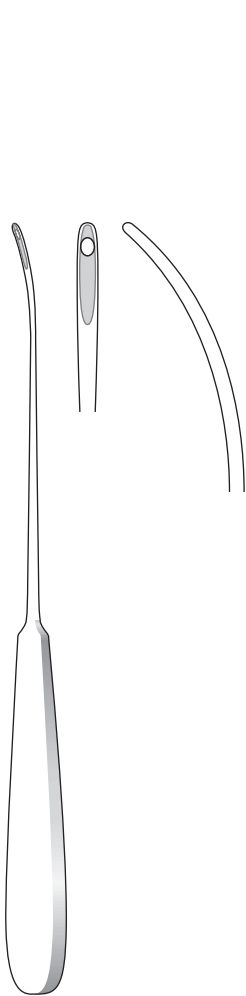


DEMEL

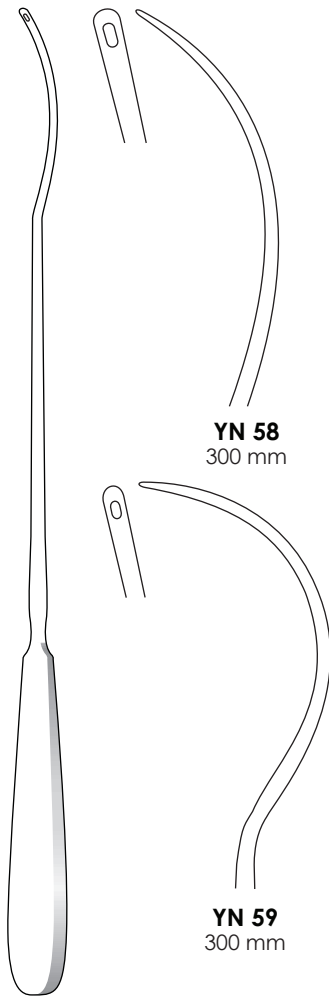


225 mm





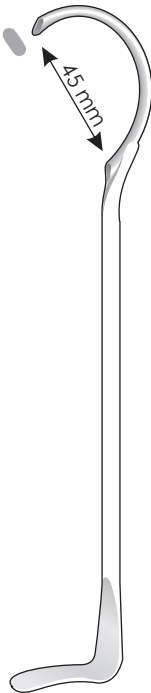
YN 44
230 mm



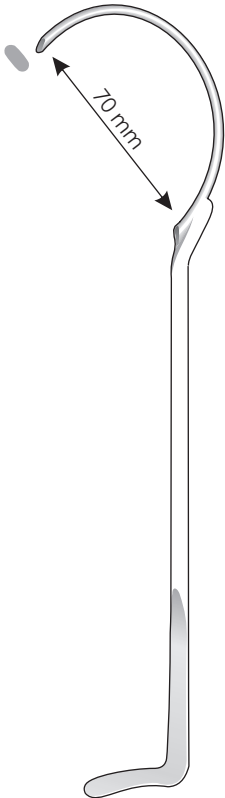
YN 58
300 mm

YN 59
300 mm

BRUNNER
300 mm



YN 60
185 mm



YN 61
235 mm



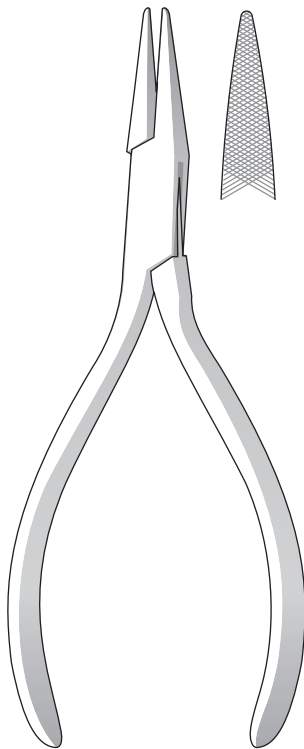
Extraction pliers
for boring wires

Pinze per estrazione
fili metallici

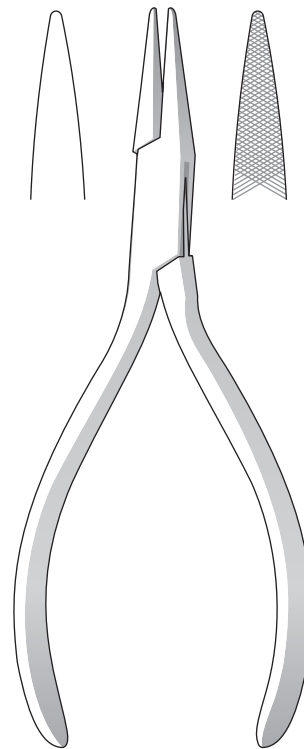
Extraktionszangen
für bohrdrähte

Pinces pour
l'extraction des broches

Pinzas para extracción
de hilo metálico

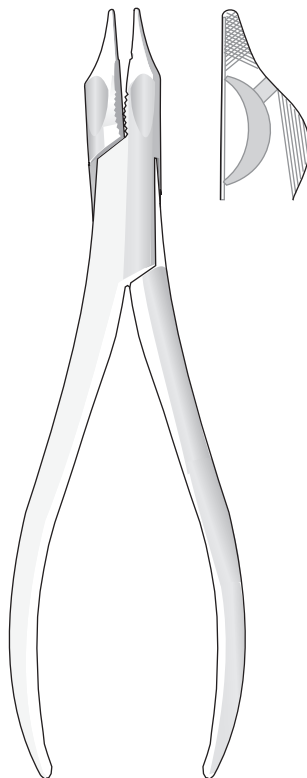


WK 18
140 mm

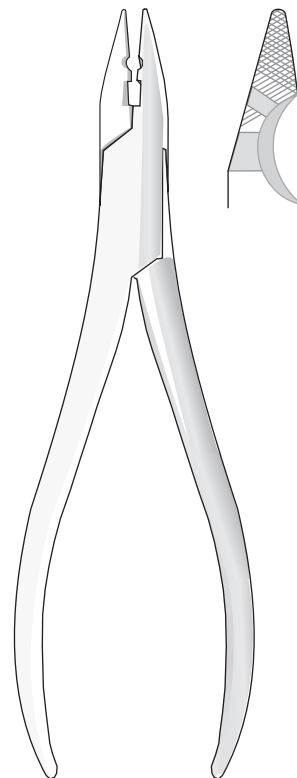


WK 08
140 mm

For hard wire $\varnothing$ 1 mm
Per filo duro $\varnothing$ 1 mm
Für harten draht $\varnothing$ 1 mm
Pour fil dur $\varnothing$ 1 mm
Para alambres duro $\varnothing$ 1 mm



WK 41
150 mm



WK 45
160 mm



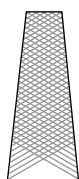
Extraction pliers
for boring wires

Pinze per estrazione
fili metallici

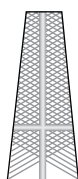
Extraktionszangen
für bohrdrähte

Pinces pour
l'extraction des broches

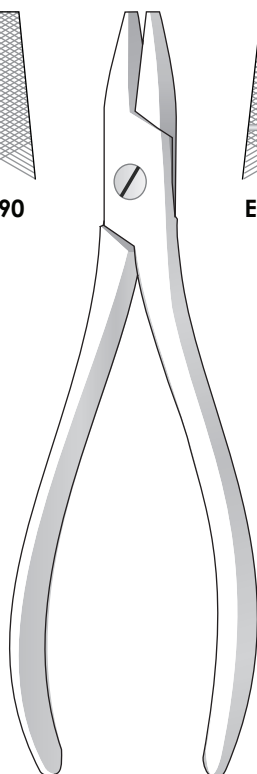
Pinzas para extracción
de hilo metálico



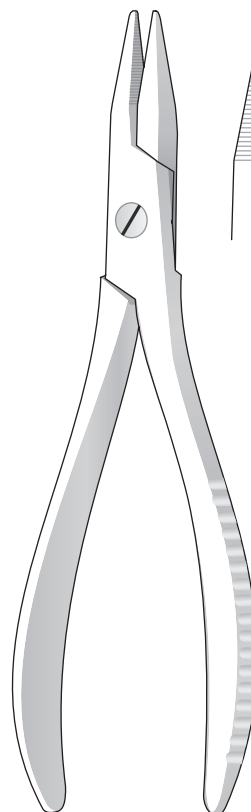
ES 90



ES 91

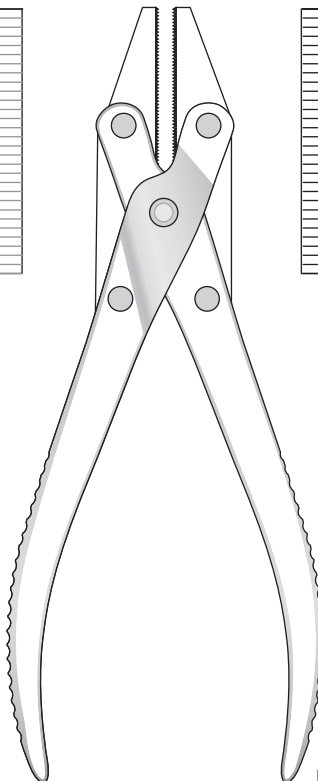
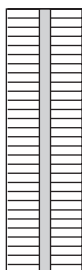


175 mm



ES 93
190 mm

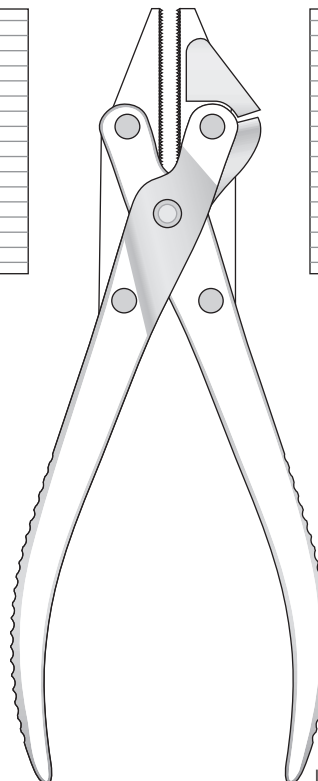
Pinza per estrazione
fili metallici
Flachzangen für draht



Inox

ES 95
185 mm

Pinza a branche parallele
con tronchese



Inox

OC 30
185 mm



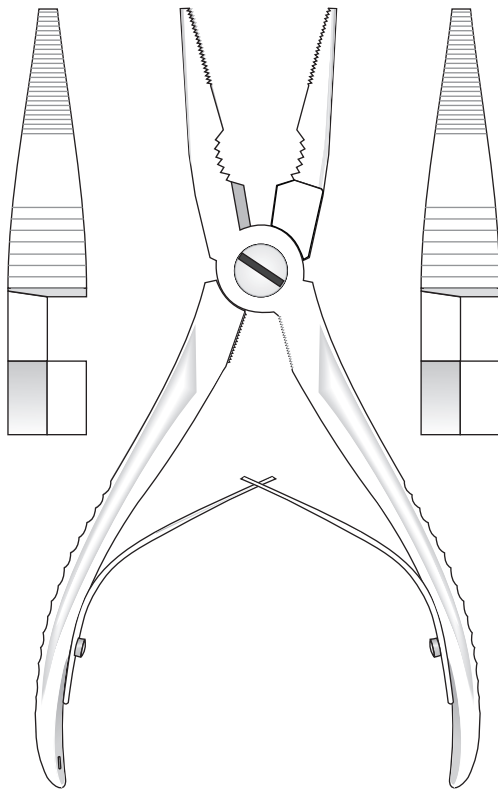
Extraction pliers
for boring wires

Pinze per estrazione
fili metallici

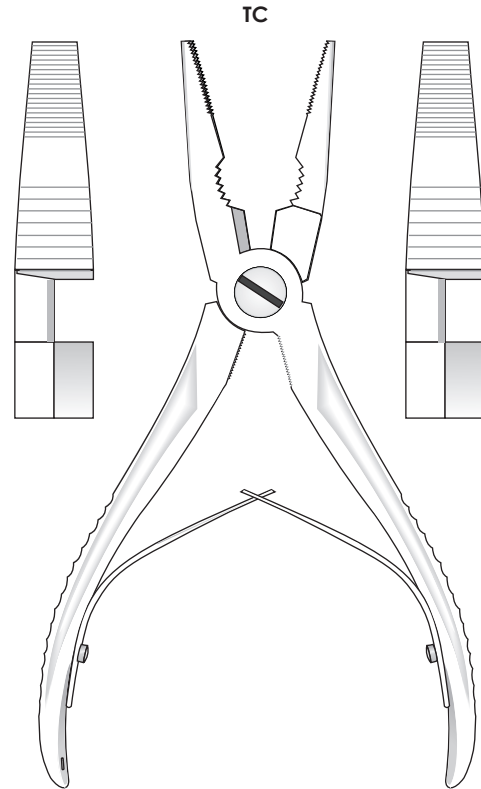
Extraktionszangen
für bohrdrähte

Pinces pour
l'extraction des broches

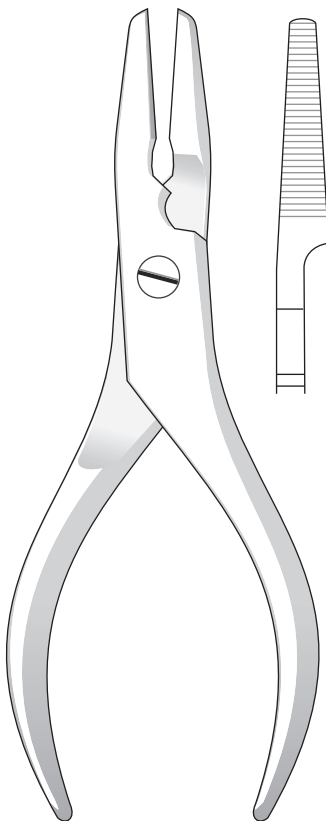
Pinzas para extracción
de hilo metálico



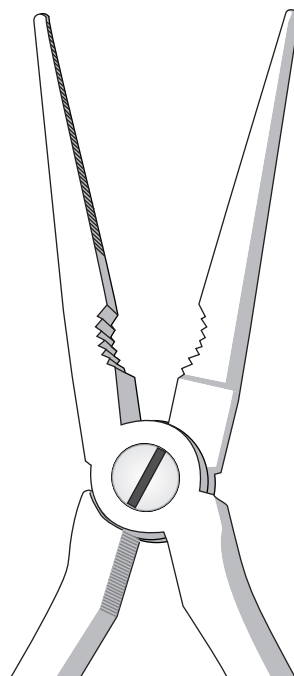
OC 085
175 mm



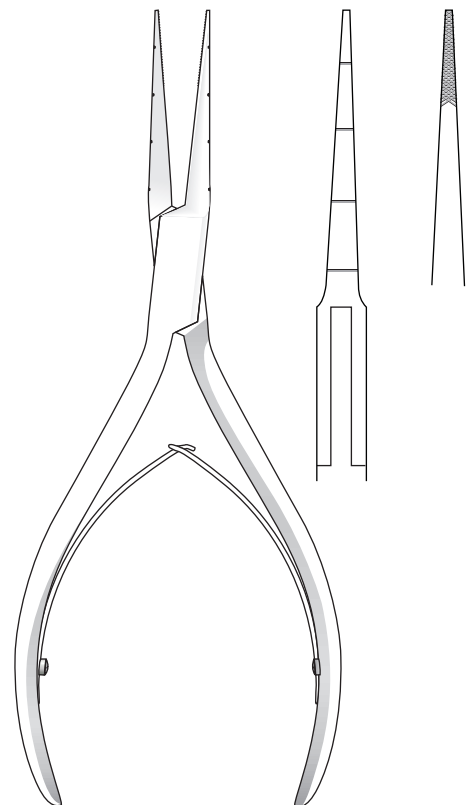
OC 086
165 mm



OC 084
160 mm



OC 087
200 mm



WK 26
150 mm



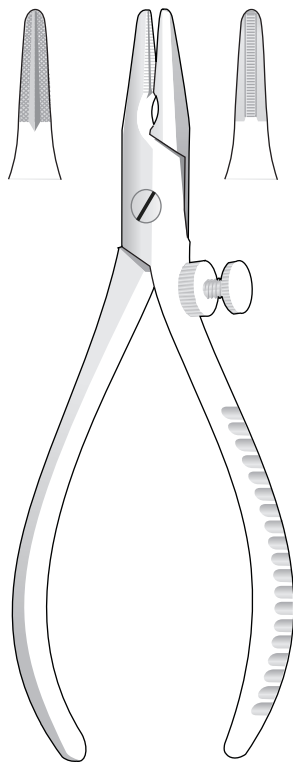
Extraction pliers
for boring wires

Pinze per estrazione
fili metallici

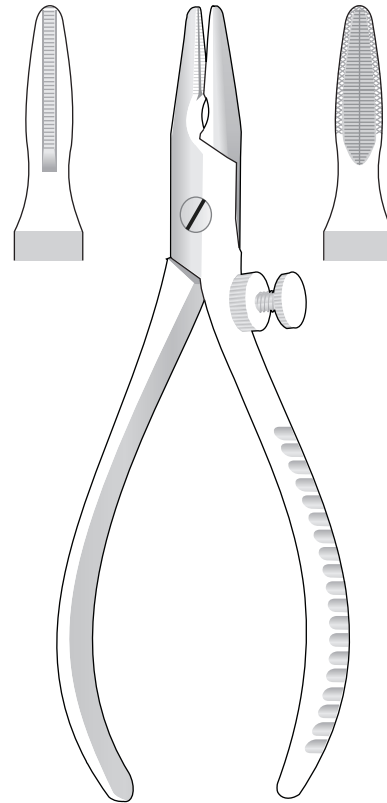
Extraktionszangen
für bohrdrähte

Pinces pour
l'extraction des broches

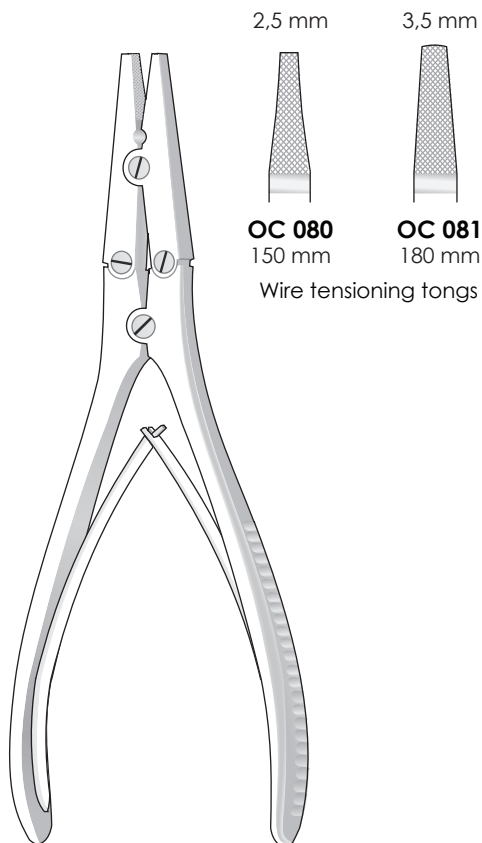
Pinzas para extracción
de hilo metálico



OC 070
140 mm



OC 071
180 mm



2,5 mm

3,5 mm

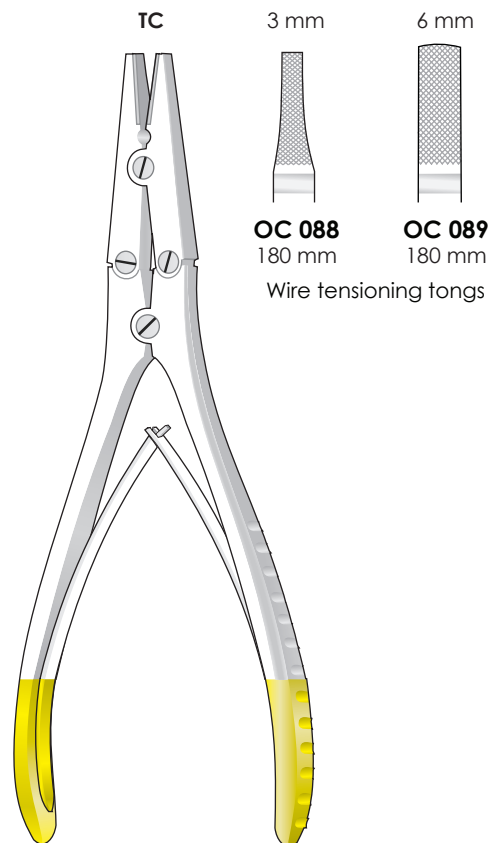
OC 080

OC 081

150 mm

180 mm

Wire tensioning tongs



TC

3 mm

6 mm

OC 088

OC 089

180 mm

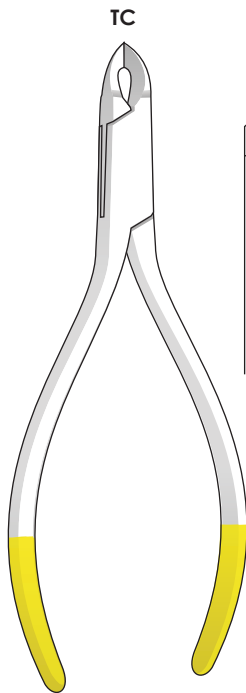
180 mm

Wire tensioning tongs

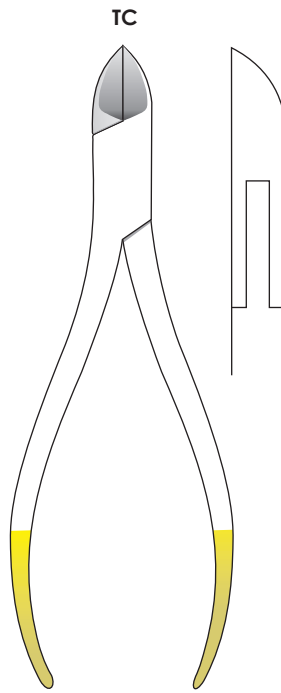


For hard wire with $\varnothing 0,4$ mm - Per fili duri di $\varnothing 0,4$ mm
Für harten Draht bis $\varnothing 0,4$ mm - Pour fils durs avec $\varnothing 0,4$ mm
Para hilos duros de $\varnothing 0,4$ mm

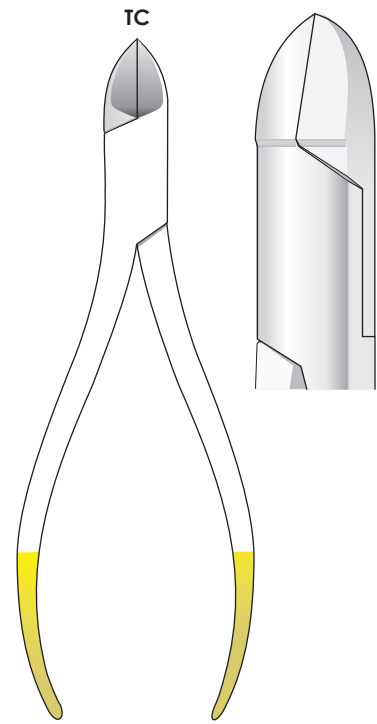
For hard wire $\varnothing 1$ mm - Pour fil dur avec $\varnothing 1$ mm
Per filo duro $\varnothing 1$ mm - Für harten draht $\varnothing 1$ mm
Para alambres duro $\varnothing 1$ mm



ANGLE
OC 25TC
130 mm

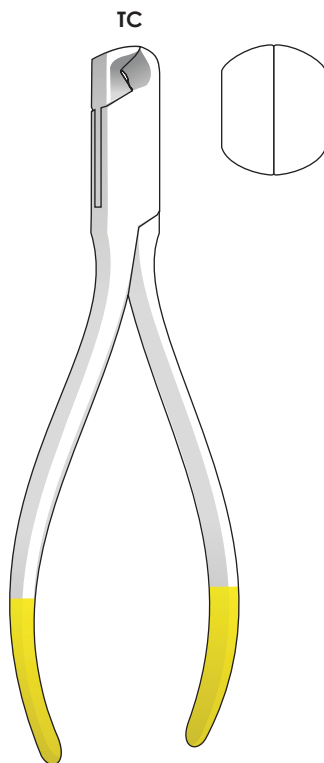


OC 29
130 mm

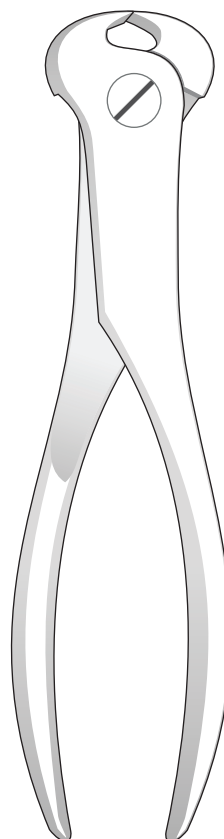


OC 26TC
150 mm

For hard wire $\varnothing 1$ mm - Pour fil dur avec $\varnothing 1$ mm
Per filo duro $\varnothing 1$ mm - Für harten draht $\varnothing 1$ mm
Para alambres duro $\varnothing 1$ mm



OC 22TC
145 mm



OC 32
185 mm



Needle holders

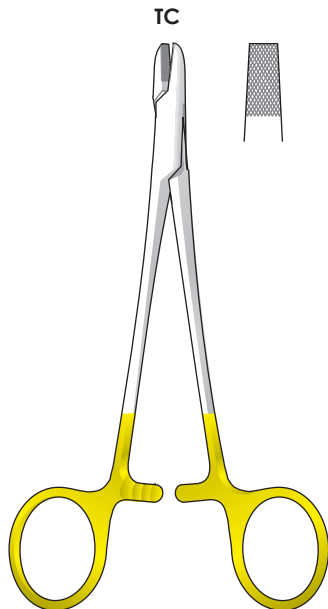
Port'aghi per fili metallici

Nadelhalter

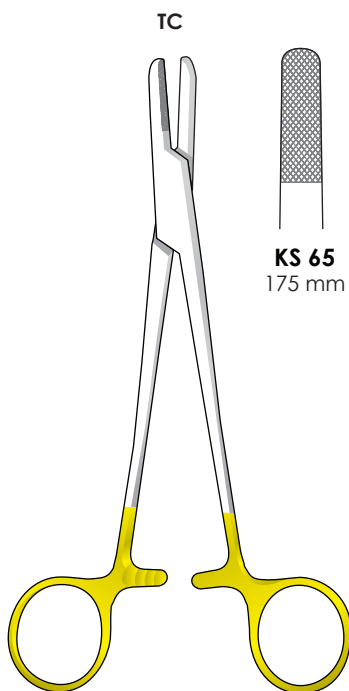
Porte aiguilles pour fil métallique

Portaagujas para hilos

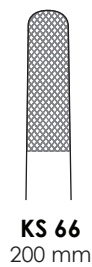
Needle holders, wire forceps
Port'aghi, pinze per fili d'acciaio
Nadelhalter, Draht-zangen
Porte aiguilles, pincès à saisir
Porta agujas, pinzas para hilos



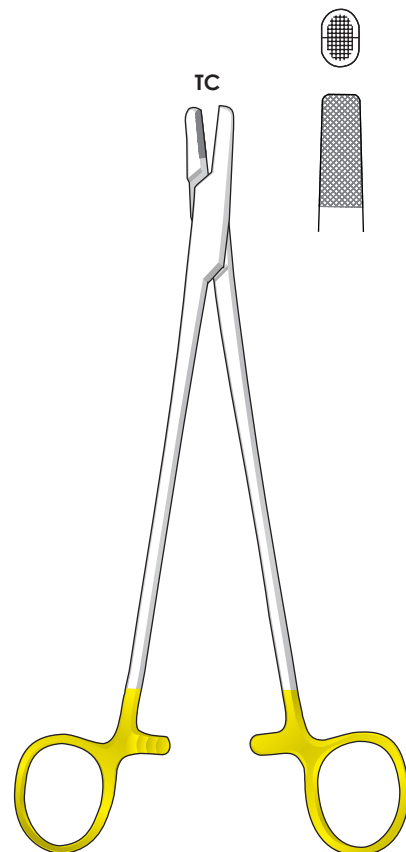
KS 67
150 mm



KS 65
175 mm



KS 66
200 mm



BAUMGARTNER
KS 68
200 mm



Extraction pliers
for boring wires

Pinze per estrazione
fili metallici

Extraktionszangen
für bohrdrähte

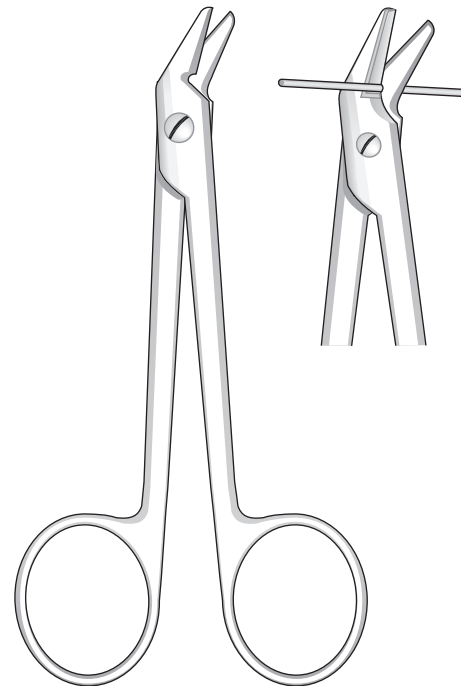
Pinces pour
l'extraction des broches

Pinzas para extracción
de hilo metálico

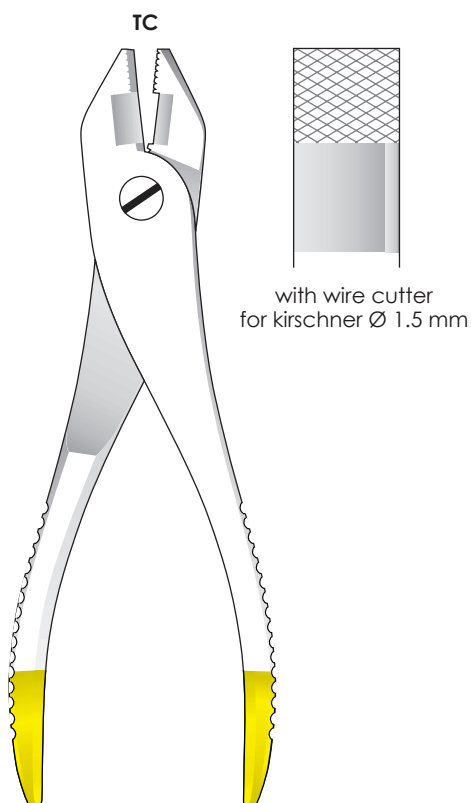
Wire cutting scissor serrated - Ciseaux à couper les fils métalliques
Forbice universale dentellata - Draht-und Bleischere gezahnt
Tijeras para cortar hilo de acero dentadas



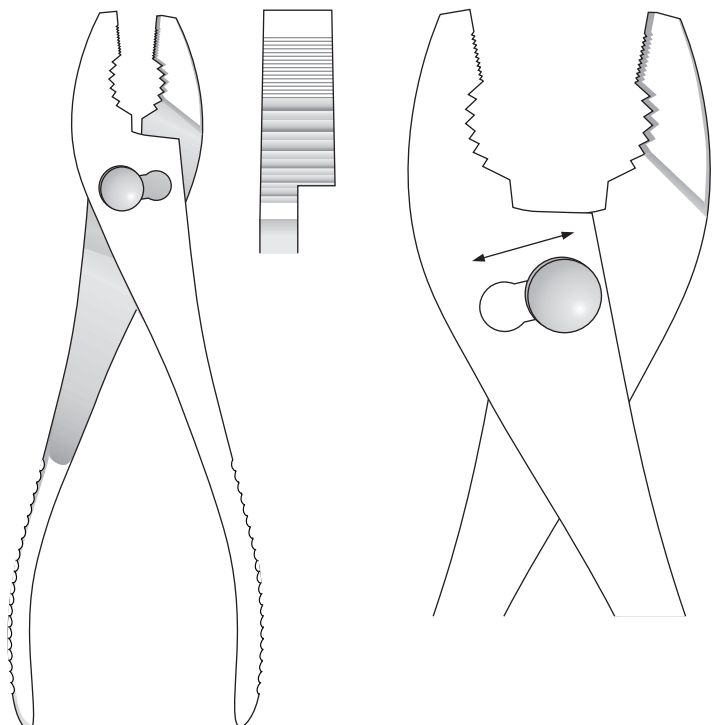
WK 090
120 mm



WK 20
120 mm



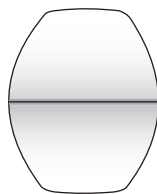
OC 095
220 mm



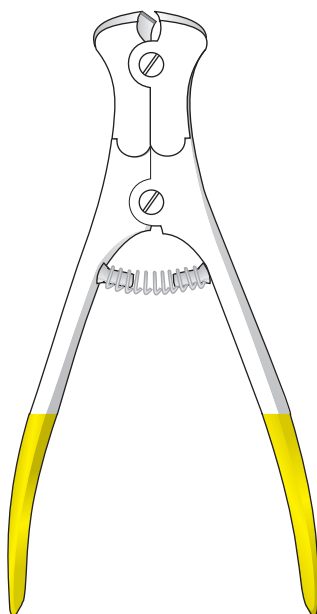
ES 70
200 mm



For soft wire Ø 2 mm
For hard wire Ø 1,5 mm
Per filo leggero Ø 2 mm
Per filo duro Ø 1,5 mm
Für weichen Draht Ø 2 mm
Für harten Draht Ø 1,5 mm
Pour fil léger Ø 2 mm
Pour fil dur Ø 1,5 mm
Para alambres ligero Ø 2 mm
Para alambres duro Ø 1,5 mm



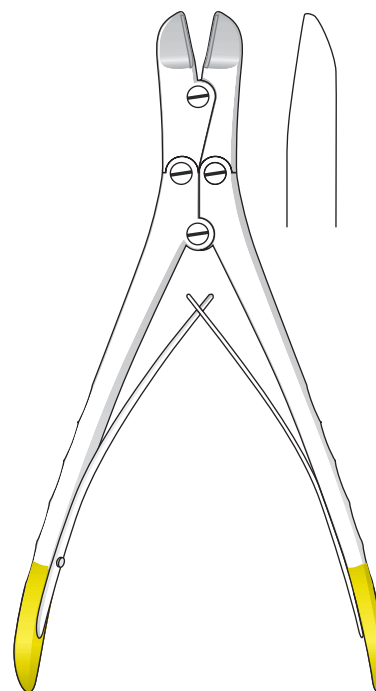
TC



OC 012
145 mm

For soft wire Ø 2 mm
For hard wire Ø 1,6 mm
Per filo leggero Ø 2 mm
Per filo duro Ø 1,6 mm
Für weichen Draht Ø 2 mm
Für harten Draht Ø 1,6 mm
Pour fil léger Ø 2 mm
Pour fil dur Ø 1,6 mm
Para alambres ligero Ø 2 mm
Para alambres duro Ø 1,6 mm

TC

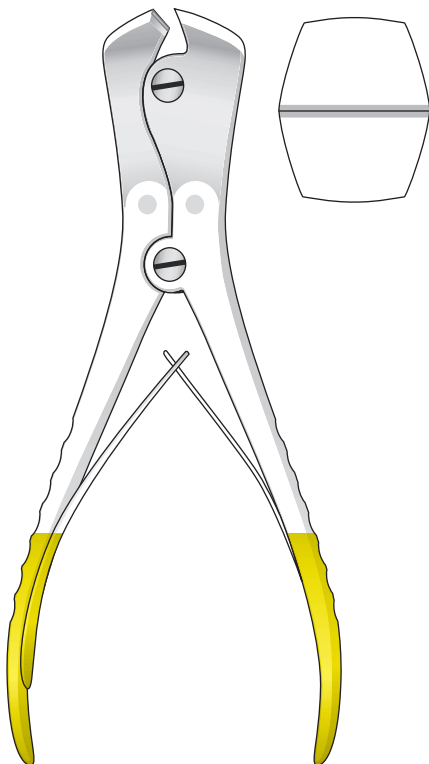


OC 013
170 mm



For soft wire Ø 3,5 mm
For hard wire Ø 2,5 mm
Per filo leggero Ø 3,5 mm
Per filo duro Ø 2,5 mm
Für weichen Draht Ø 3,5 mm
Für harten Draht Ø 2,5 mm
Pour fil léger Ø 3,5 mm
Pour fil dur Ø 2,5 mm
Para alambres ligero Ø 3,5 mm
Para alambres duro Ø 2,5 mm

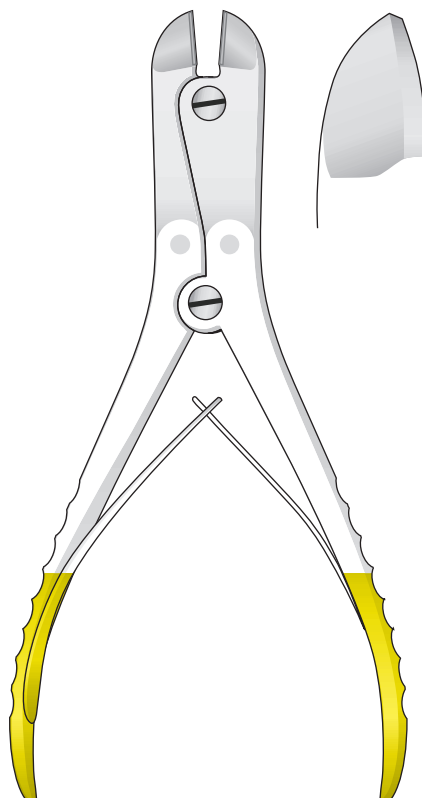
TC



OC 014
215 mm

For soft wire Ø 3 mm
For hard wire Ø 2,2 mm
Per filo leggero Ø 3 mm
Per filo duro Ø 2,2 mm
Für weichen Draht Ø 3 mm
Für harten Draht Ø 2,2 mm
Pour fil léger Ø 3 mm
Pour fil dur Ø 2,2 mm
Para alambres ligero Ø 3 mm
Para alambres duro Ø 2,2 mm

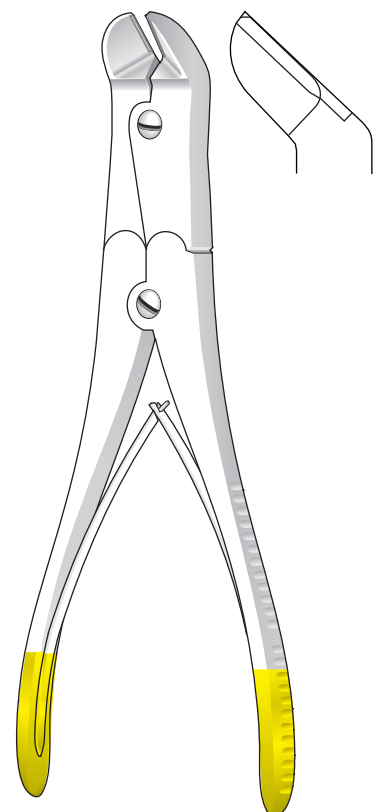
TC



OC 015
230 mm

For soft wire Ø 2,5 mm
For hard wire Ø 2 mm
Per filo leggero Ø 2,5 mm
Per filo duro Ø 2 mm
Für weichen Draht Ø 2,5 mm
Für harten Draht Ø 2 mm
Pour fil léger Ø 2,5 mm
Pour fil dur Ø 2 mm
Para alambres ligero Ø 2,5 mm
Para alambres duro Ø 2 mm

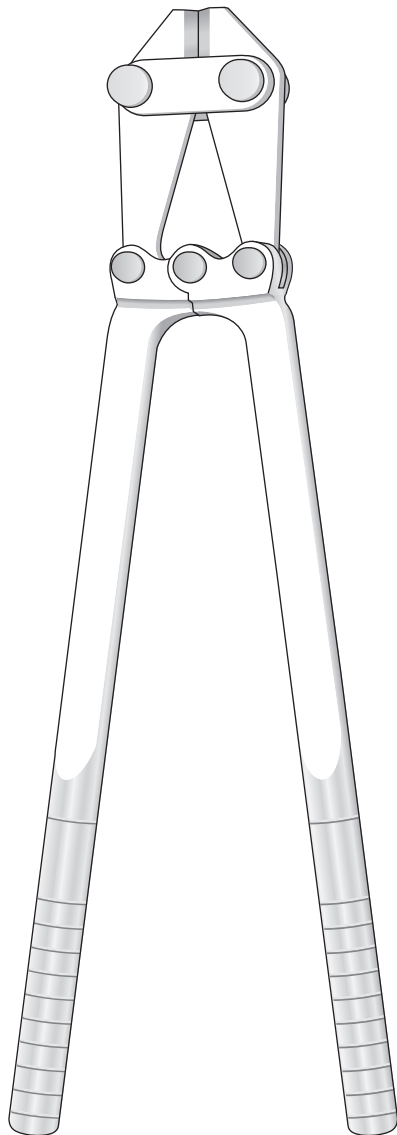
TC



OC 016
230 mm

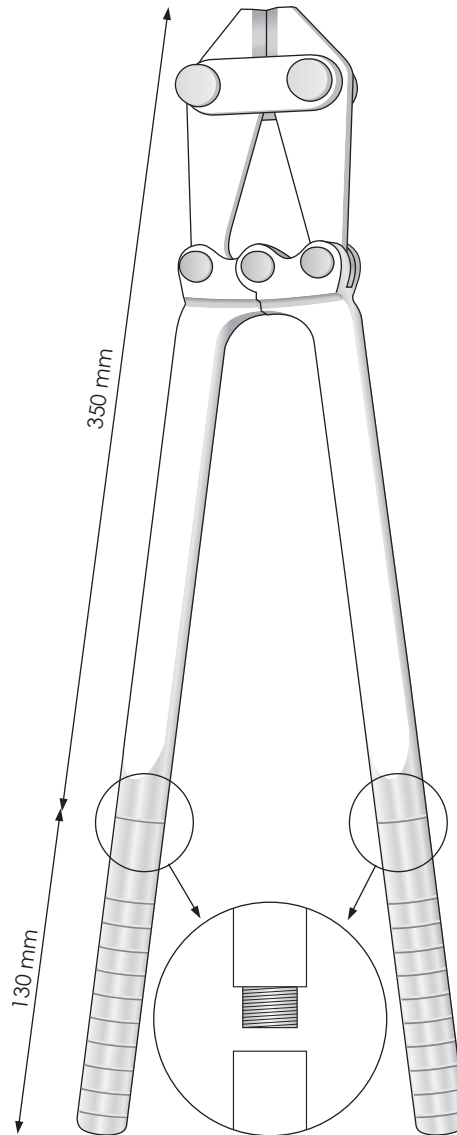


For soft wire Ø 7 mm
For hard wire Ø 6 mm
Per filo leggero Ø 7 mm
Per filo duro Ø 6 mm
Für weichen Draht Ø 7 mm
Für harten Draht Ø 6 mm
Pour fil léger Ø 7 mm
Pour fil dur Ø 6 mm
Para alambres ligero Ø 7 mm
Para alambres duro Ø 6 mm



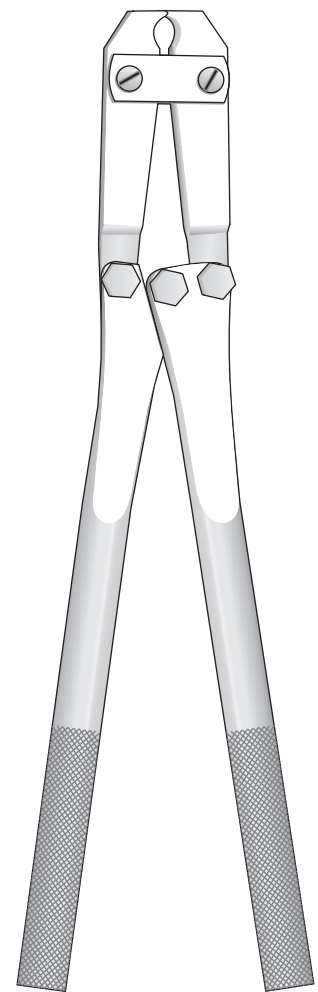
EU 28
480 mm

For soft wire Ø 7 mm
For hard wire Ø 6 mm
Per filo leggero Ø 7 mm
Per filo duro Ø 6 mm
Für weichen Draht Ø 7 mm
Für harten Draht Ø 6 mm
Pour fil léger Ø 7 mm
Pour fil dur Ø 6 mm
Para alambres ligero Ø 7 mm
Para alambres duro Ø 6 mm



EU 28M
480 mm

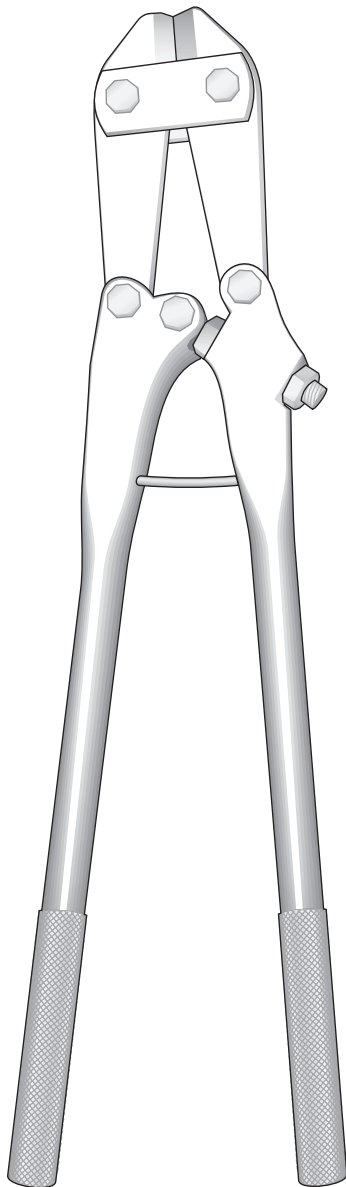
For soft wire Ø 5 mm
For hard wire Ø 4,5 mm
Per filo leggero Ø 5 mm
Per filo duro Ø 4,5 mm
Für weichen Draht Ø 5 mm
Für harten Draht Ø 4,5 mm
Pour fil léger Ø 5 mm
Pour fil dur Ø 4,5 mm
Para alambres ligero Ø 5 mm
Para alambres duro Ø 4,5 mm



OC 017
375 mm

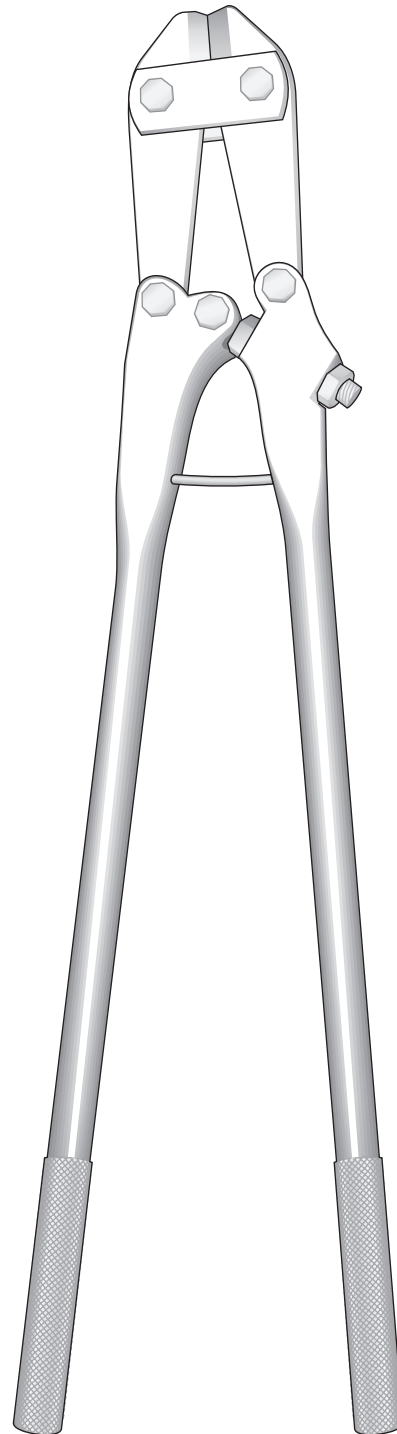


For Kirschner wires Ø 6 mm
Von Kirschner-Drähten Ø 6 mm
Per chiodi Kirschner Ø 6 mm

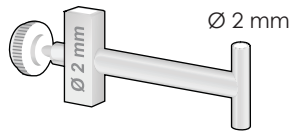


OC 060
450 mm

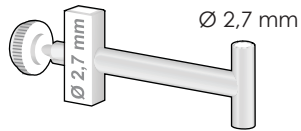
For Kirschner wires Ø 6 mm
Von Kirschner-Drähten Ø 6 mm
Per chiodi Kirschner Ø 6 mm



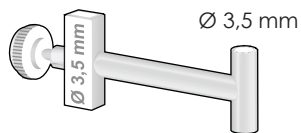
OC 061
560 mm



OH 26



OH 27



OH 28

Insert-drill
Centrapunte
Manicotto dentato
Steckbohrbüchsen



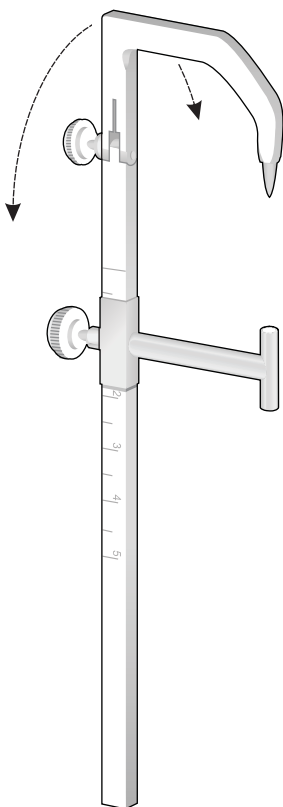
Ø Outside
Ø Esterno
Ø Außen
Ø Extérieur
Ø Exterior

Ø For drills
Ø Per punte
Ø Für Bohrer
Ø Pour Mèches
Ø Para agujas

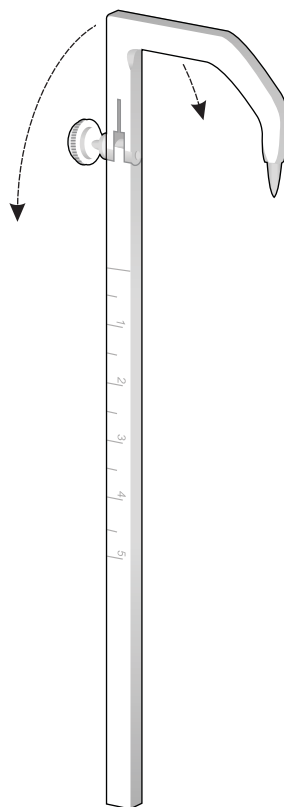
Cod. Art.			
OH 003	4,5 mm	3,2 mm	
OH 004	3,5 mm	2 mm	
OH 005	3,5 mm	2,7 mm	

OH 25
Completo di 3 guide
OH 24+OH 26+OH 27+OH 28

OH 24
Centratore only

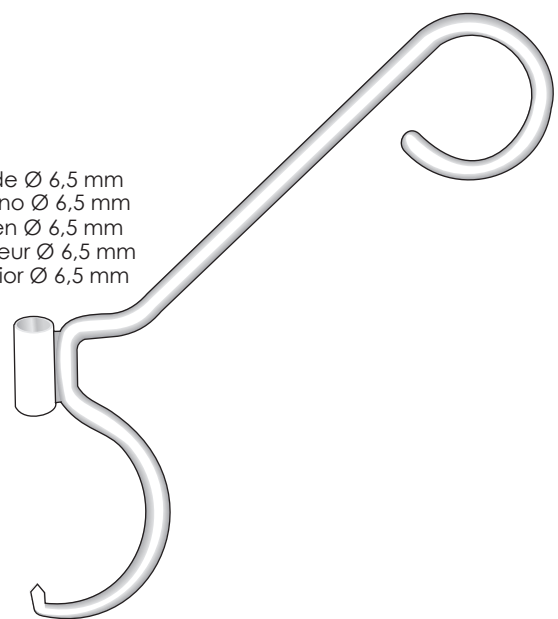


OH 25
145 mm



OH 24
145 mm

Inside Ø 6,5 mm
Interno Ø 6,5 mm
Innen Ø 6,5 mm
Intérieur Ø 6,5 mm
Interior Ø 6,5 mm



OH 002



Handles with quick-action chuck
Manico con mandrino rapido
Handgriffe mit schnellspann futter
Poignées avec mandrins rapides

AO-Schaft



Dental-Schaft



4kant-Schaft

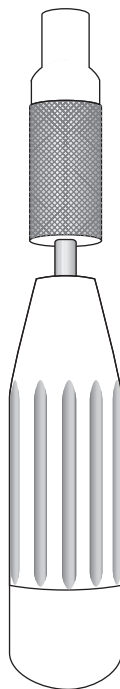


Ø 4 mm

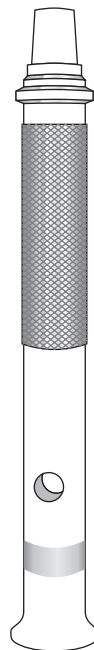


OH 090
260 mm

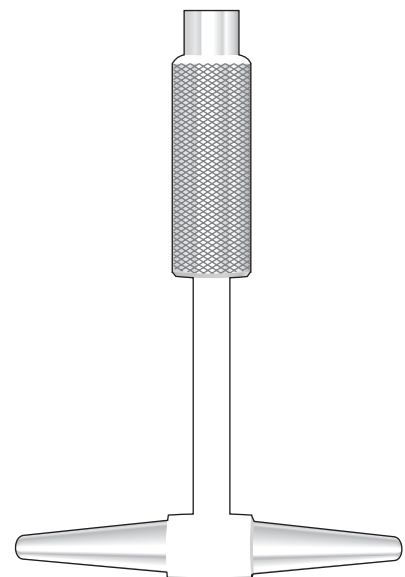
MANICO FERROZELL
OH 970
125 mm



OH 972
110 mm

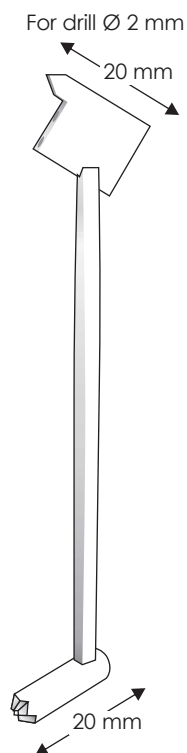


OH 974
80 mm



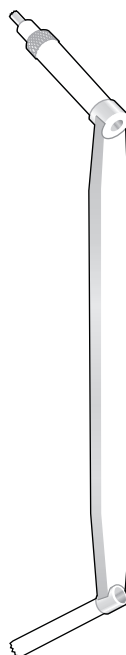


Drill guides - Centrori guida punte - Bohrbüchsen zu Knochenplatten - Guide méche



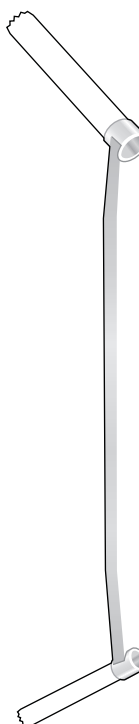
OH 30
110 mm

For cortical screws Ø 3,5 mm
For tapping Ø 2,5 mm



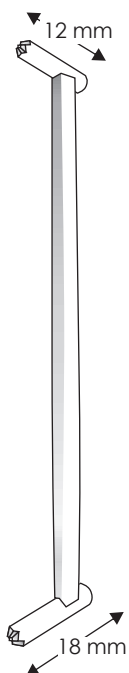
OH 31

For cortical screws Ø 6,5 mm
For tapping Ø 3,2 mm



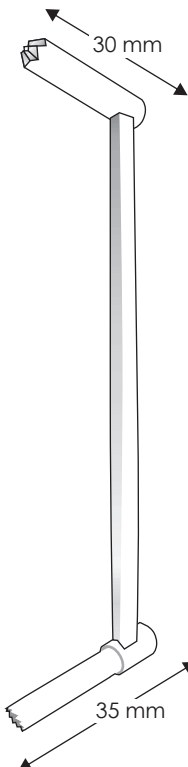
OH 32

For drill Ø 1,1/1,5 mm



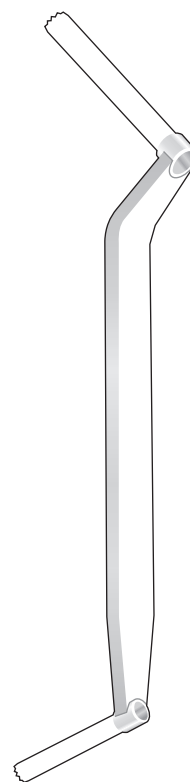
OH 33
105 mm

For drill Ø 2,5 mm
Per viti da corticale Ø 3,5 mm
Per maschiatore Ø 3,5 mm



OH 34
125 mm

For cortical screws Ø 4,5 mm
For tapping Ø 3,2 mm



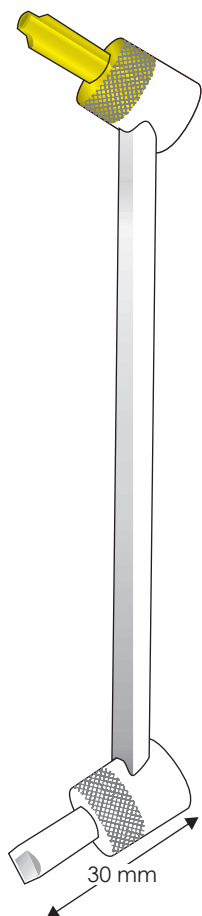
OH 35



Drill guides - Centratori guida punte - Bohrbüchsen zu Knochenplatten - Guide méche

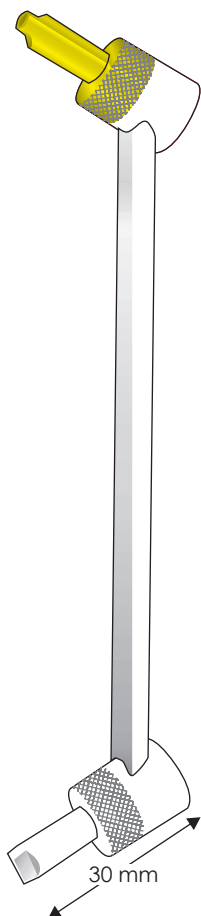
COLOR CODED

For drill Ø 2,0 mm
For cortical screws Ø 2,7 mm



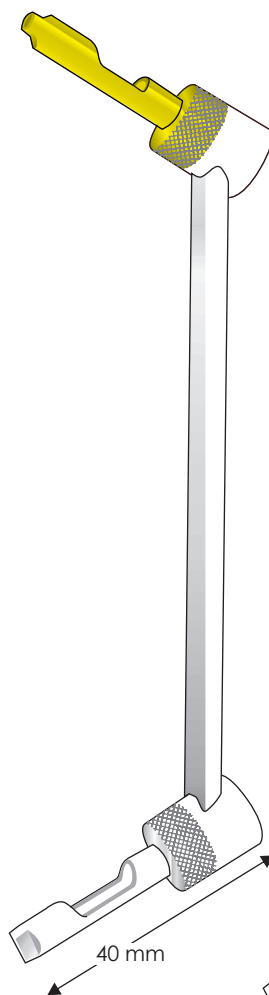
OH 20
140 mm

For drill Ø 2,5 mm
For cortical screws Ø 3,5 mm



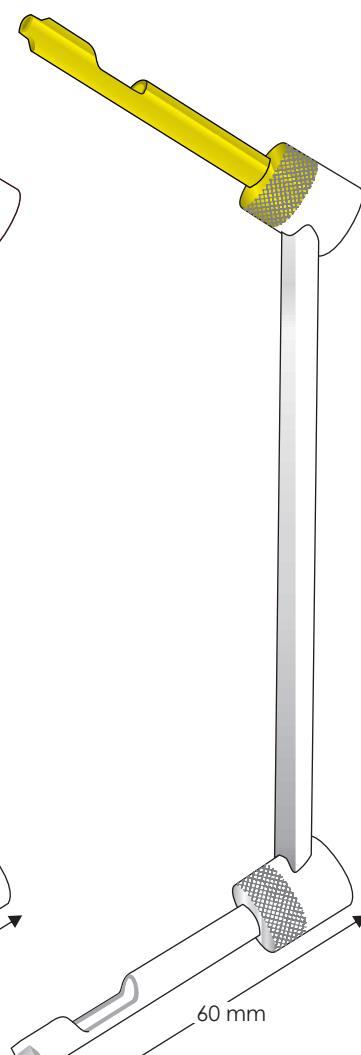
OH 21
140 mm

For drill Ø 3,2 mm
For cortical screws Ø 4,5 mm



OH 22
165 mm

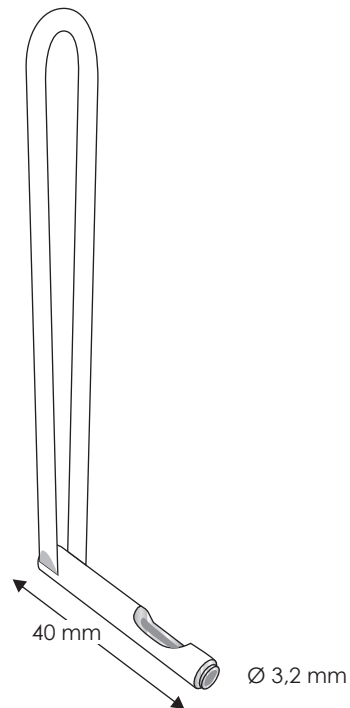
For drill Ø 3,2 mm
For cortical screws Ø 4,5 mm



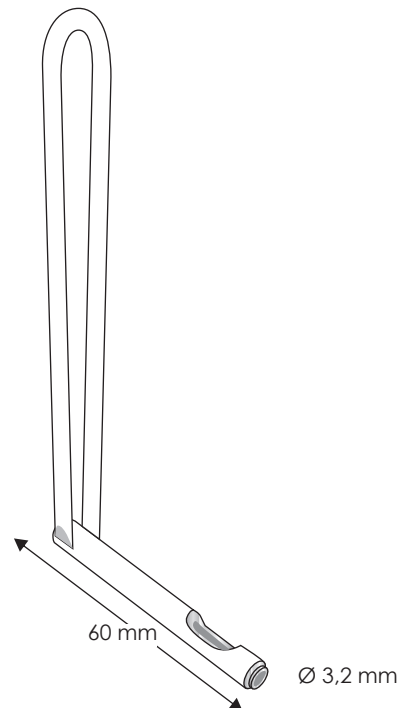
OH 23
170 mm



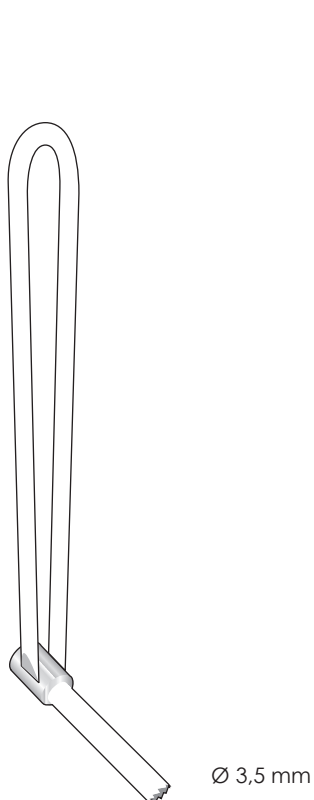
Drill guides - Centratori guida punte - Bohrbüchsen zu Knochenplatten - Guide méche



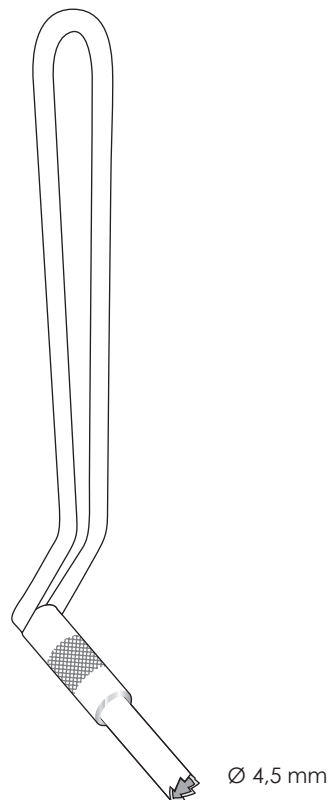
OH 006
125 mm



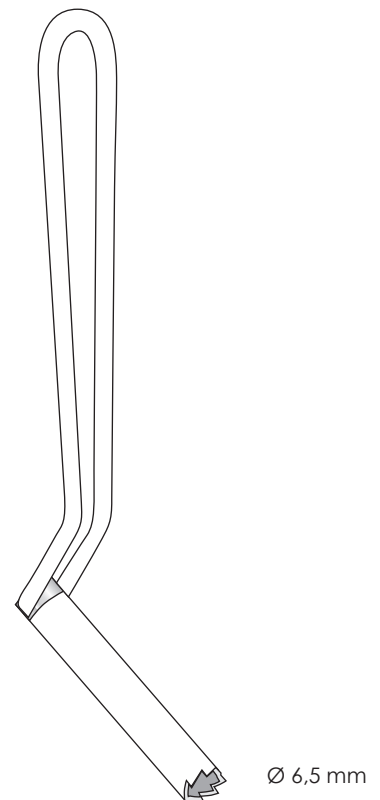
OH 007
125 mm



OH 009
125 mm



OH 091
150 mm



OH 094
150 mm



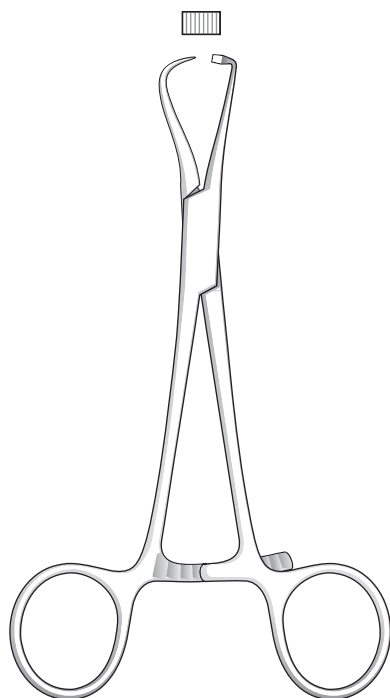
Forceps
for plattes

Zangen für
schränkhebel platten

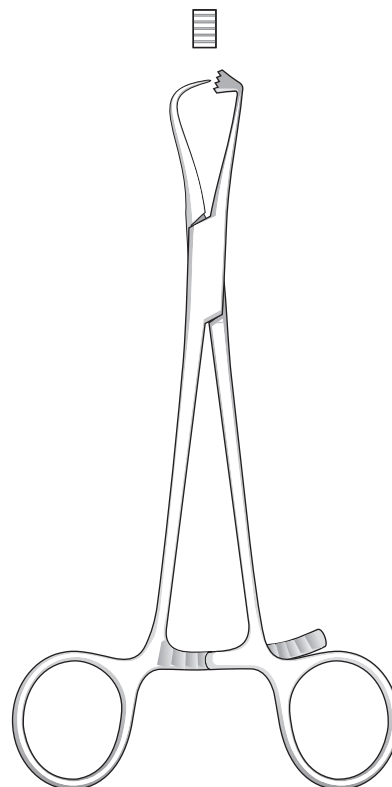
Pinze e chiavi
per placche

Pinces à courber
pour plaques

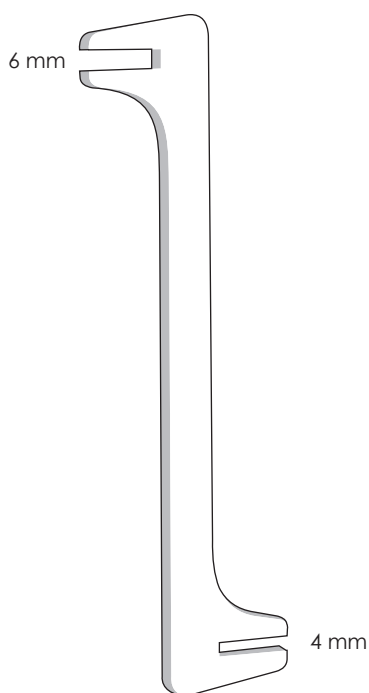
Pinzas
para placas



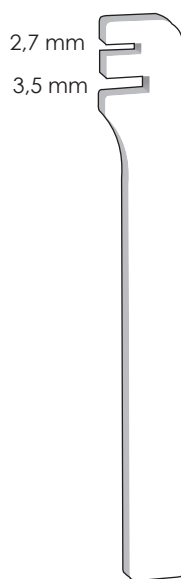
OH 46
120 mm



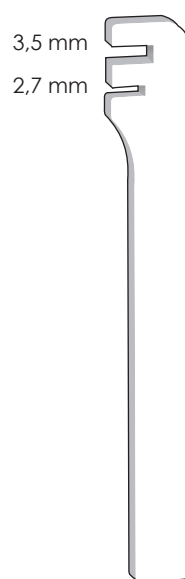
OH 48
125 mm



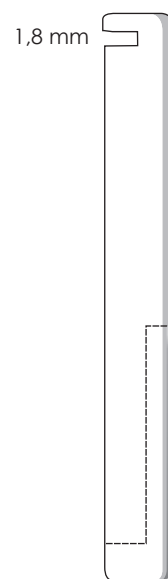
OH 011
180 mm



OH 012 100 mm
OH 013 140 mm



OH 092 100 mm
OH 093 140 mm



OH 014
100 mm



Forceps
for plattes

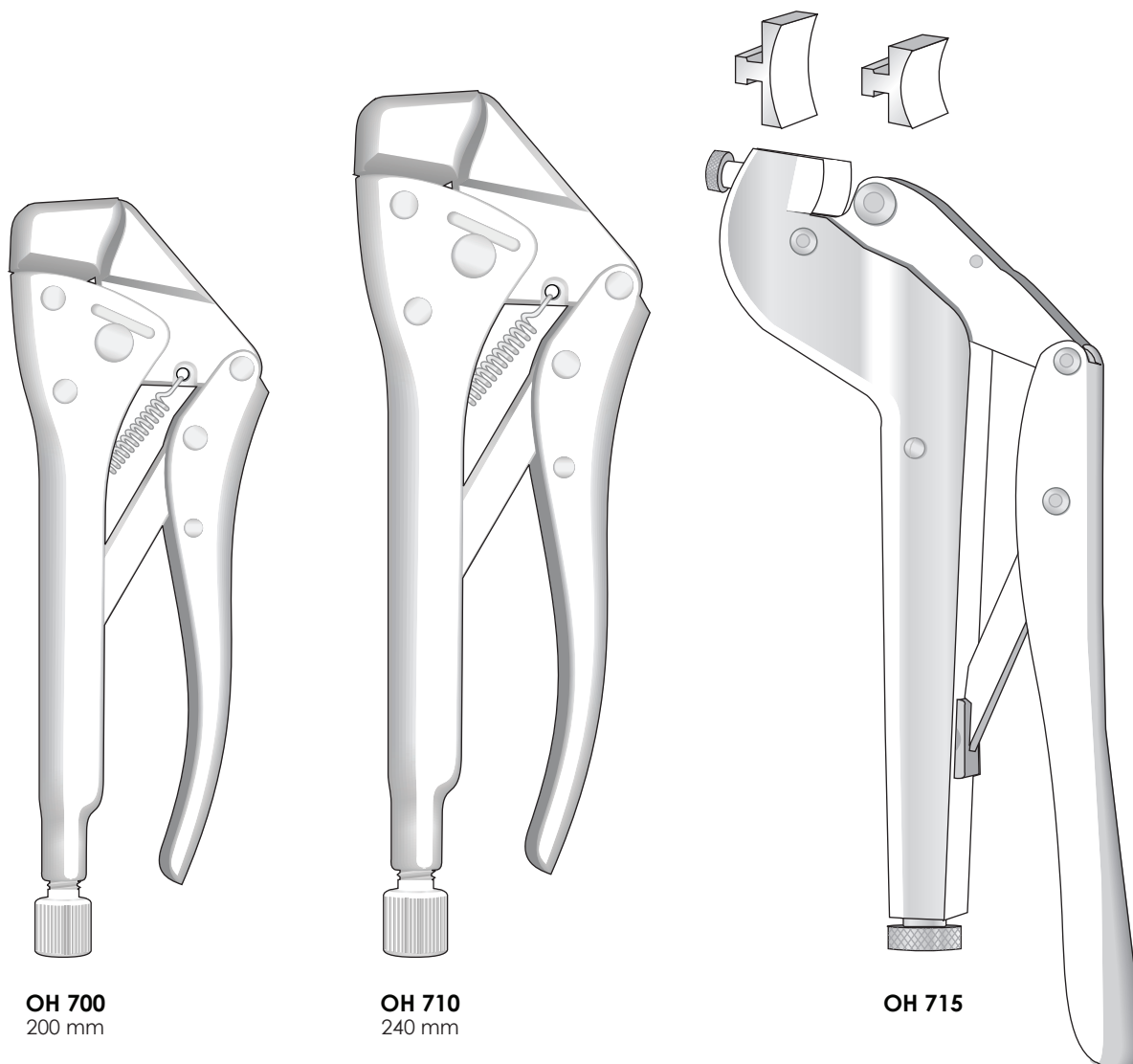
Zangen für
schränkhebel platten

Pinze
per placche

Pinces à courber
pour plaques

Pinzas
para placas

Bending pliers - Pinze piegaplacche - Biegezange - Pincès à plier

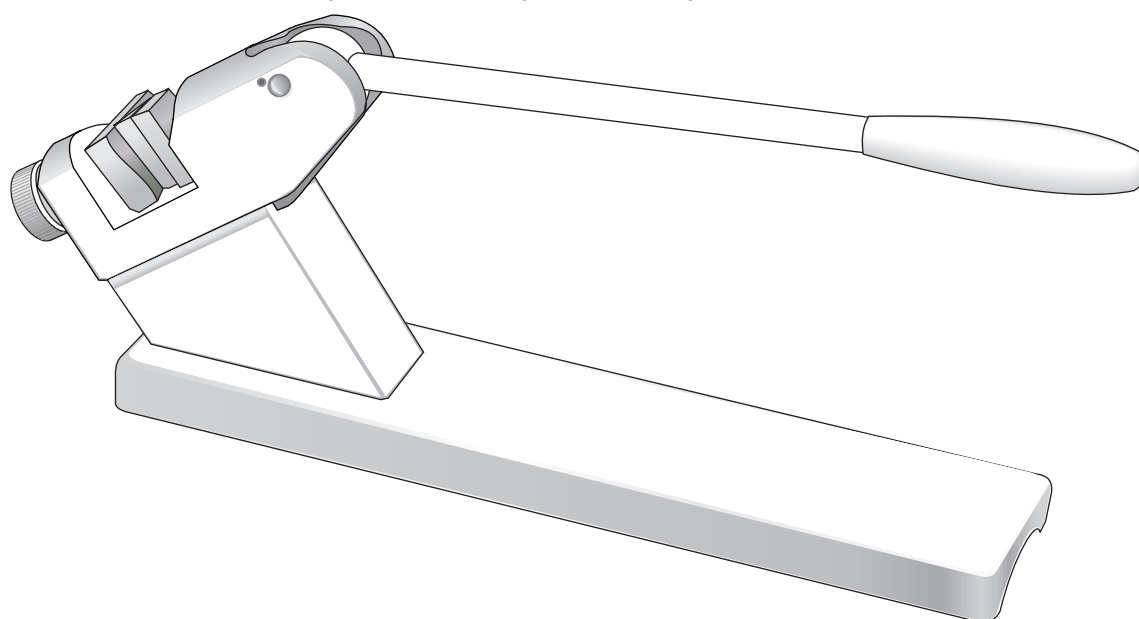


OH 700
200 mm

OH 710
240 mm

OH 715

Bending press - Pressa piegaplacche - Biegepresse - Presse pour plier



OH 716



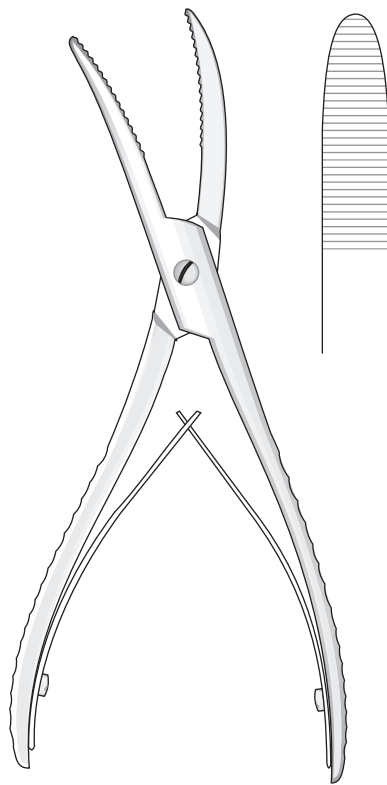
Plaster cast breakers

Strumenti per gesso

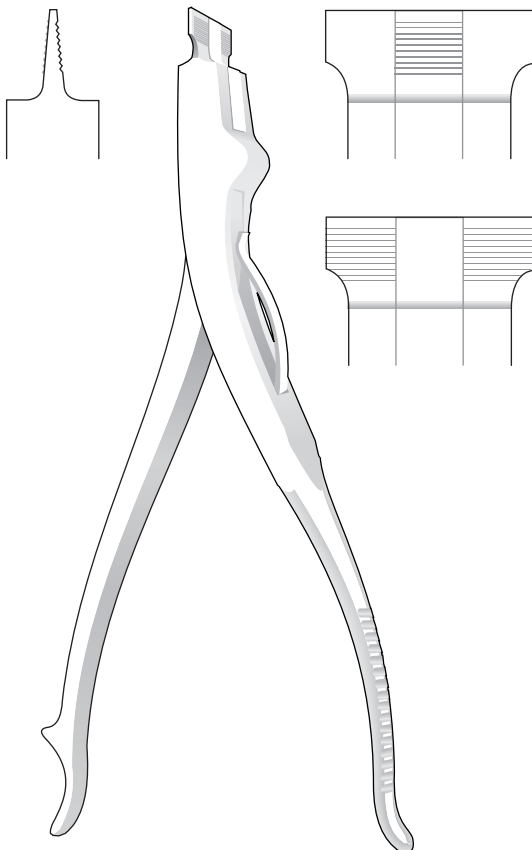
Gipsabreisszangen

Appareils plâtrés

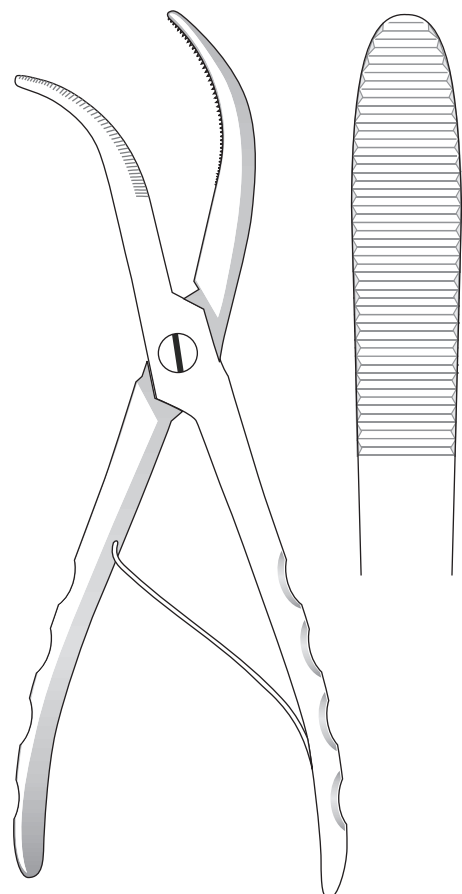
Pinza para vendajes



WOLFF
OC 003
180 mm



LAWTON
OC 004
220 mm



WOLFF
OC 005
250 mm



Plaster cast breakers

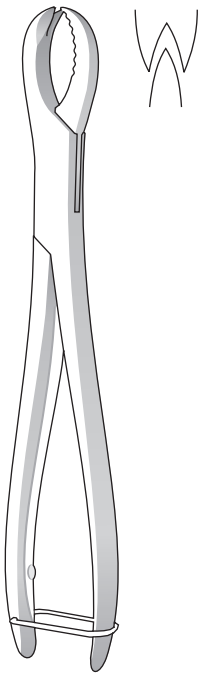
Strumenti per gesso

Gipsscheren

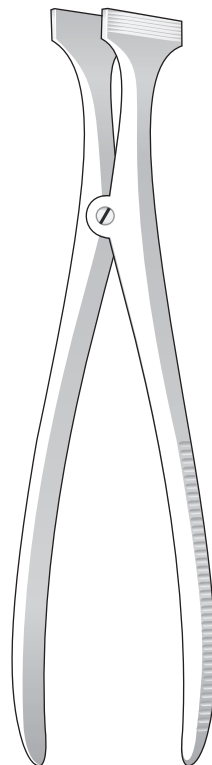
Appareils plâtrés

Pinza para vendajes

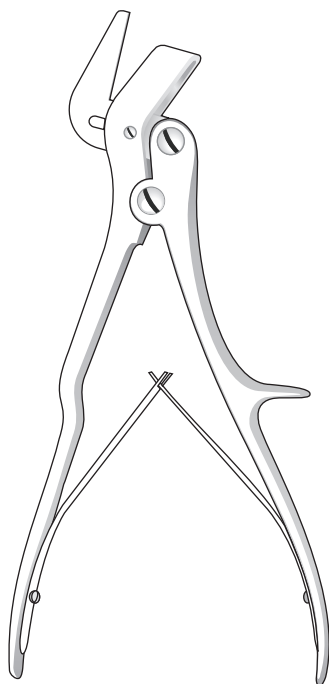
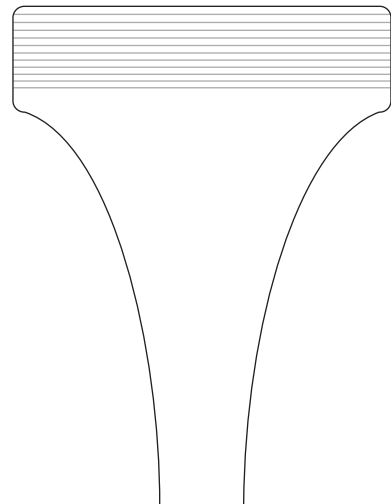
Plaster Shears
Cesoie per gesso
Gips - Schneidezangen



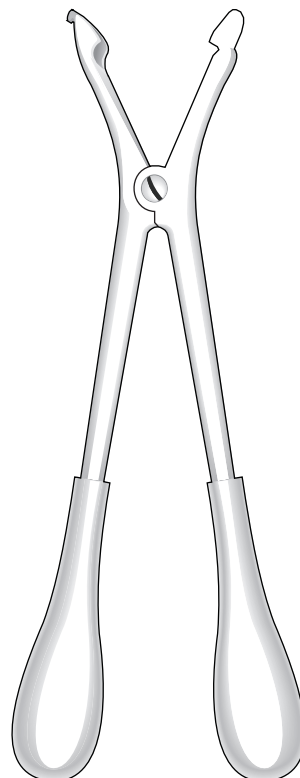
YP 80
210 mm



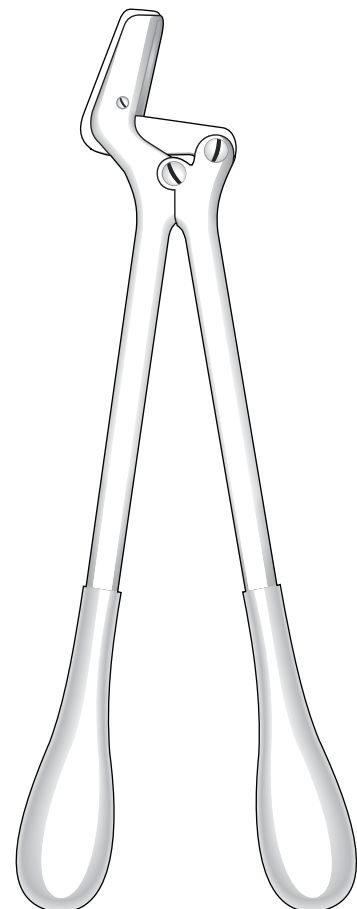
HENNIG
OC 090
270 mm



STILLE
OC 091
230 mm



HAGLUND
OC 092
280 mm



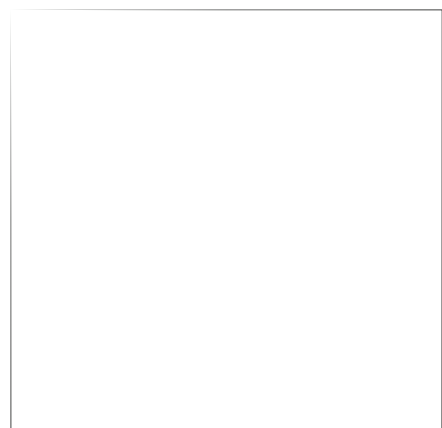
STILLE
OC 093
370 mm



ADSON	PG 29	OLDBERG	PG 13
ALEXANDER	PG 17	OLIVECRONA	PG 18
ANGLE	PG 58	PATELLA	PG 35
BAUMGARTNER	PG 59	PERTHES	PG 46
BEYER	PG 19	RADOLF	PG 44
BIRCHER-GANSKE	PG 41	REILL	PG 34
BLUMENTHAL	PG 16	RÖTTGEN-RUSKIN	PG 20
BÖHLER	PG 23	RUSKIN	PG 27
BRUNNER	PG 31	RUSKIN	PG 27
BRUNNER	PG 53	RUSKIN-LISTON	PG 23
CASPAR	PG 10	RUSKIN-LISTON	PG 30
CASPAR	PG 11	RUSKIN-STILLE	PG 19
CITELLI	PG 1	SANDERS-BROWN	PG 45
CLEVELAND	PG 26	SAUERBRUCH	PG 21
COLLIN	PG 24	SAUERBRUCH	PG 31
CUSHING	PG 9	SAUERBRUCH-FREY	PG 31
CUSHING	PG 18	SCHLESINGER	PG 4
CUSHING	PG 26	SCHUMACHER	PG 31
DEMEL	PG 52	SEMB	PG 41
DINGMANN	PG 39	SPURLING	PG 9
ECHLIN	PG 19	STELLBRINK	PG 15
FARABEUF	PG 32	STILLE	PG 20
FARABEUF-LAMBOTTE	PG 32	STILLE	PG 73
FERRIS - SMITH - CUSHING	PG 6	STILLE-RUSKIN	PG 29
FERRIS - SMITH - KERRISON	PG 5	SYPERT	PG 12
FERRIS-SMITH-KERRISON	PG 2	TAKAHASHI	PG 8
FERRIS-SMITH-KERRISON	PG 3	ULRICH	PG 38
FERRIS-SMITH-KERRISON	PG 4	ULRICH	PG 42
FIBULA	PG 33	VERBRUGGE	PG 36
FRIEDMANN	PG 16	WAGNER	PG 12
GERSTER	PG 43	WAGNER	PG 51
GERSTER-LOWMAN	PG 43	WEIL-BLAKESLEY	PG 7
GIERTZ-STILLE	PG 31	WOLFF	PG 72
HAGLUND	PG 73	YASARGIL	PG 13
HARTMANN	PG 14	ZAUFAL-JANSEN	PG 19
HARTMANN	PG 18		
HENNIG	PG 73		
INOX	PG 55		
JACKSON-TESSIER	PG 25		
JANSEN	PG 18		
JANSEN-LEUER	PG 17		
KERN	PG 40		
KERRISON	PG 1		
KEYES	PG 47		
KEY-HORSLEY	PG 24		
KLEINERT-KUTZ	PG 27		
KÜNTSCHER	PG 51		
LAMBOTTE	PG 32		
LANDOLT	PG 13		
LANE	PG 40		
LAWTON	PG 72		
LEKSELL	PG 19		
LEKSELL	PG 28		
LEKSELL-STILLE	PG 29		
LEMPERT	PG 17		
LEWIN	PG 33		
LISTON	PG 22		
LISTON	PG 30		
LISTON-STILLE	PG 24		
LOUTE	PG 50		
LOVE-GRUENWALD	PG 8		
LOVE-GRUENWALD	PG 9		
LUER	PG 16		
LUER	PG 29		
LUER-STILLE	PG 18		
LUER-STILLE	PG 20		
LUER-STILLE	PG 21		
LUER-STILLE	PG 28		
MANICO FERROZELL	PG 65		
MARTIN	PG 39		
MEAD	PG 16		
MINI FRIEDMANN	PG 16		
MINI-FRIEDMANN	PG 15		
OBWEGESER	PG 45		



CO 070	PG 57	OH 090	PG 66	UL 030	PG 6	UL 41	PG 37	UL 987	PG 41	UU 90	PG 13
CO 081	PG 57	OH 091	PG 69	UL 030	PG 44	UL 42	PG 37	UL 99	PG 19	UU 91	PG 13
ES 70	PG 60	OH 092	PG 70	UL 031	PG 6	UL 43	PG 37	UL 992	PG 4	UU 92	PG 13
ES 90	PG 55	OH 093	PG 70	UL 032	PG 6	UL 44	PG 37	UL 993	PG 4	UU 93	PG 13
ES 91	PG 55	OH 094	PG 69	UL 033	PG 6	UL 45	PG 37	UL 994	PG 4	VO 060	PG 47
ES 93	PG 55	OH 20	PG 68	UL 034	PG 6	UL 46	PG 32	UL 995	PG 4	VO 061	PG 47
ES 95	PG 55	OH 21	PG 68	UL 035	PG 6	UL 48	PG 33	UL 996	PG 41	VO 062	PG 47
EU 28	PG 63	OH 22	PG 68	UL 036	PG 6	UL 49	PG 34	UP 011	PG 48	VO 063	PG 47
EU 28M	PG 63	OH 23	PG 68	UL 037	PG 6	UL 50	PG 23	UP 012	PG 48	WK 08	PG 54
GI 46	PG 46	OH 24	PG 65	UL 038	PG 6	UL 51	PG 23	UP 013	PG 48	WK 090	PG 60
GI 47	PG 46	OH 25	PG 65	UL 039	PG 6	UL 52	PG 38	UP 014	PG 48	WK 18	PG 54
GI 48	PG 46	OH 26	PG 65	UL 04	PG 18	UL 53	PG 25	UP 016	PG 49	WK 19	PG 44
I 98	PG 17	OH 27	PG 65	UL 040	PG 27	UL 54	PG 34	UP 017	PG 49	WK 20	PG 60
KS 65	PG 59	OH 28	PG 65	UL 041	PG 5	UL 55	PG 37	UP 018	PG 49	WK 26	PG 56
KS 66	PG 59	OH 30	PG 67	UL 042	PG 5	UL 56	PG 34	UP 019	PG 49	WK 41	PG 54
KS 67	PG 59	OH 31	PG 67	UL 043	PG 5	UL 57	PG 33	UP 19	PG 51	WK 45	PG 54
KS 68	PG 59	OH 32	PG 67	UL 044	PG 5	UL 58	PG 34	UP 20	PG 47	WK 79	PG 45
OC 000	PG 22	OH 33	PG 67	UL 045	PG 5	UL 59	PG 33	UP 21	PG 47	WL 74	PG 45
OC 001	PG 30	OH 34	PG 67	UL 046	PG 28	UL 60	PG 32	UP 22	PG 47	WL 80	PG 45
OC 002	PG 24	OH 35	PG 67	UL 048	PG 30	UL 61	PG 32	UT 000	PG 25	WL 81	PG 45
OC 003	PG 72	OH 46	PG 70	UL 05	PG 16	UL 62	PG 32	UT 001	PG 25	WL 82	PG 45
OC 004	PG 72	OH 48	PG 70	UL 050	PG 21	UL 63	PG 32	UT 70	PG 25	WT 071	PG 7
OC 005	PG 72	OH 700	PG 71	UL 051	PG 21	UL 64	PG 32	UU 000	PG 10	WY 011	PG 7
OC 006	PG 30	OH 710	PG 71	UL 052	PG 1	UL 65	PG 36	UU 001	PG 10	WY 012	PG 7
OC 012	PG 61	OH 715	PG 71	UL 053	PG 1	UL 66	PG 36	UU 012	PG 10	WY 013	PG 7
OC 013	PG 61	OH 716	PG 71	UL 055	PG 1	UL 67	PG 36	UU 013	PG 10	WY 014	PG 7
OC 014	PG 62	OH 970	PG 66	UL 057	PG 27	UL 68	PG 23	UU 014	PG 10	WY 015	PG 7
OC 015	PG 62	OH 972	PG 66	UL 058	PG 27	UL 69	PG 23	UU 015	PG 10	WY 030	PG 1
OC 016	PG 62	OH 974	PG 66	UL 059	PG 27	UL 70	PG 24	UU 016	PG 10	WY 031	PG 1
OC 017	PG 63	PR 816	PG 51	UL 06	PG 16	UL 71	PG 22	UU 017	PG 10	WY 032	PG 1
OC 018	PG 22	PR 817	PG 51	UL 066	PG 27	UL 72	PG 22	UU 018	PG 10	WY 073	PG 7
OC 019	PG 22	PR 818	PG 51	UL 067	PG 27	UL 74	PG 18	UU 019	PG 10	WY 075	PG 7
OC 050	PG 31	PR 892	PG 50	UL 068	PG 24	UL 74	PG 32	UU 070	PG 11	WY 077	PG 14
OC 051	PG 31	PR 900	PG 50	UL 069	PG 44	UL 76	PG 35	UU 071	PG 11	WY 078	PG 14
OC 052	PG 31	PR 901	PG 50	UL 07	PG 16	UL 77	PG 35	UU 072	PG 11	WY 079	PG 14
OC 053	PG 31	PR 902	PG 50	UL 070	PG 26	UL 78	PG 35	UU 073	PG 11	WY 086	PG 14
OC 054	PG 31	PR 912	PG 50	UL 075	PG 28	UL 79	PG 35	UU 074	PG 11	WY 087	PG 14
OC 055	PG 31	PR 913	PG 50	UL 076	PG 23	UL 80	PG 19	UU 075	PG 11	WY 088	PG 14
OC 056	PG 31	PR 914	PG 50	UL 077	PG 26	UL 81	PG 19	UU 076	PG 11	WY 089	PG 14
OC 060	PG 64	PR 915	PG 50	UL 078	PG 28	UL 82	PG 19	UU 080	PG 11	YN 00	PG 52
OC 061	PG 64	PR 916	PG 50	UL 079	PG 26	UL 83	PG 17	UU 081	PG 11	YN 01	PG 52
OC 071	PG 57	PR 917	PG 50	UL 08	PG 16	UL 84	PG 19	UU 082	PG 11	YN 02	PG 52
OC 080	PG 57	PR 918	PG 50	UL 080	PG 39	UL 85	PG 19	UU 083	PG 11	YN 03	PG 52
OC 084	PG 56	PR 919	PG 50	UL 081	PG 39	UL 86	PG 20	UU 084	PG 11	YN 04	PG 52
OC 085	PG 56	UL 00	PG 17	UL 083	PG 39	UL 87	PG 18	UU 085	PG 11	YN 19	PG 52
OC 086	PG 56	UL 001	PG 40	UL 084	PG 39	UL 88	PG 20	UU 086	PG 11	YN 44	PG 53
OC 087	PG 56	UL 002	PG 40	UL 085	PG 28	UL 89	PG 18	UU 087	PG 11	YN 58	PG 53
OC 088	PG 57	UL 004	PG 40	UL 088	PG 27	UL 90	PG 19	UU 088	PG 11	YN 59	PG 53
OC 089	PG 57	UL 005	PG 40	UL 089	PG 27	UL 902	PG 3	UU 089	PG 11	YN 60	PG 53
OC 090	PG 73	UL 006	PG 40	UL 09	PG 16	UL 903	PG 3	UU 090	PG 11	YN 61	PG 53
OC 091	PG 73	UL 007	PG 2	UL 090	PG 2	UL 905	PG 3	UU 091	PG 11	YP 80	PG 73
OC 092	PG 73	UL 008	PG 2	UL 091	PG 2	UL 908	PG 41	UU 092	PG 11		
OC 093	PG 73	UL 009	PG 2	UL 092	PG 2	UL 909	PG 41	UU 093	PG 11		
OC 095	PG 60	UL 01	PG 18	UL 093	PG 2	UL 91	PG 16	UU 094	PG 11		
OC 22TC	PG 58	UL 010	PG 2	UL 094	PG 2	UL 910	PG 21	UU 095	PG 11		
OC 25TC	PG 58	UL 011	PG 2	UL 095	PG 4	UL 911	PG 3	UU 096	PG 11		
OC 26TC	PG 58	UL 012	PG 2	UL 096	PG 4	UL 912	PG 3	UU 097	PG 11		
OC 29	PG 58	UL 013	PG 2	UL 097	PG 4	UL 913	PG 3	UU 098	PG 11		
OC 30	PG 55	UL 014	PG 2	UL 098	PG 4	UL 914	PG 3	UU 099	PG 11		
OC 32	PG 58	UL 015	PG 38	UL 099	PG 4	UL 915	PG 3	UU 20	PG 12		
OH 000	PG 50	UL 016	PG 30	UL 20	PG 43	UL 916	PG 42	UU 21	PG 12		
OH 002	PG 65	UL 017	PG 26	UL 21	PG 43	UL 917	PG 42	UU 22	PG 12		
OH 003	PG 65	UL 018	PG 23	UL 22	PG 43	UL 92	PG 15	UU 30	PG 9		
OH 004	PG 65	UL 019	PG 26	UL 23	PG 33	UL 93	PG 15	UU 31	PG 9		
OH 005	PG 65	UL 02	PG 18	UL 24	PG 33	UL 93	PG 17	UU 32	PG 9		
OH 006	PG 69	UL 021	PG 29	UL 26	PG 43	UL 94	PG 15	UU 33	PG 9		
OH 007	PG 69	UL 023	PG 29	UL 31	PG 34	UL 95	PG 17	UU 34	PG 9		
OH 009	PG 69	UL 024	PG 29	UL 32	PG 38	UL 97	PG 17	UU 35	PG 9		
OH 010	PG 51	UL 025	PG 29	UL 34	PG 38	UL 98	PG 19	UU 36	PG 9		
OH 011	PG 70	UL 026	PG 29	UL 35	PG 15	UL 981	PG 26	UU 40	PG 8		
OH 012	PG 70	UL 027	PG 29	UL 37	PG 15	UL 982	PG 26	UU 41	PG 8		
OH 013	PG 70	UL 028	PG 29	UL 38	PG 15	UL 983	PG 26	UU 42	PG 8		
OH 014	PG 70	UL 029	PG 20	UL 39	PG 15	UL 984	PG 26	UU 43	PG 8		
OH 016	PG 51	UL 03	PG 18	UL 40	PG 42	UL 986	PG 41	UU 44	PG 8		



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