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PROVEEDOR EXCLUSIVO:



Pliers & Hammers

Osteotomes, Chisels & Gouges

Bone Curettes & Periosteal Elevators

Bone Holding Forceps & Rongeurs

161 - 260

# Orthopedic

Orthopedic

Ortopedia

Knochenchirurgie



Niro  
WS-161-001  
14 cm / 6"



Niro  
WS-161-002  
14 cm / 6"



WS-161-003  
17 cm / 6 3/4"



WS-161-004  
17 cm / 6 3/4"

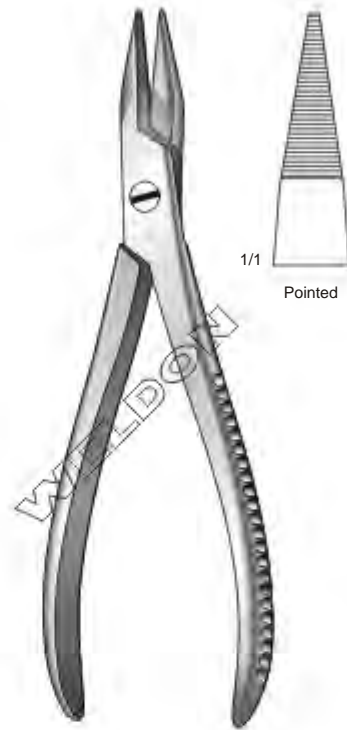


WS-161-005  
17 cm / 6 3/4"

Wire Twisting Forceps, Flat Nose Pliers | Pinzas Tensoras De Alambre, Alicates Planos  
 Drahtspannzangen, Flachzangen



Ultra Grip  
 WS-162-006  
 17 cm / 6¾"



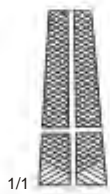
Needle Nose Pliers  
 WS-162-007 14 cm / 5½"  
 WS-162-008 19 cm / 7½"  
 Grooved Jaws, Tip Taper To 1 mm



17 cm / 6¾"  
 With Cross Wire Groove



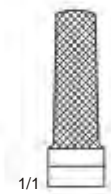
1/1  
 WS-162-009  
 With Cross



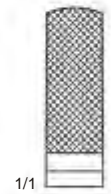
1/1  
 WS-162-010  
 Wire Groove



18 cm / 7¼"  
 Parallel Grip Plier



1/1  
 WS-162-011



1/1  
 WS-162-012



1/1  
 WS-162-013

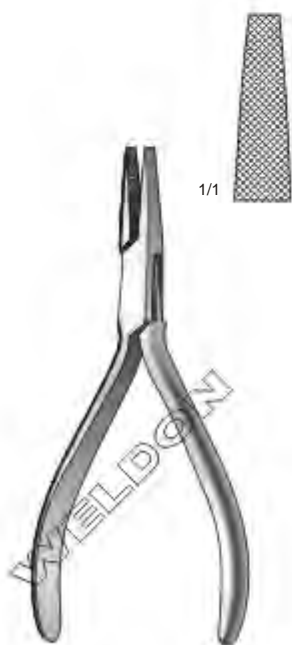
Wire Twisting Forceps, Flat Nose Pliers | Pinzas Tensoras De Alambre, Alicates Planos  
Drahtspannzangen, Flachzangen



WS-163-014  
16.5 cm / 6 1/2"



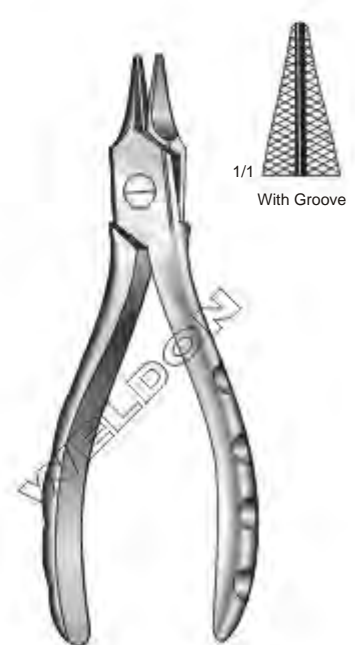
WS-163-015  
16 cm / 6 1/4"



WS-163-016  
14 cm / 5 1/2"

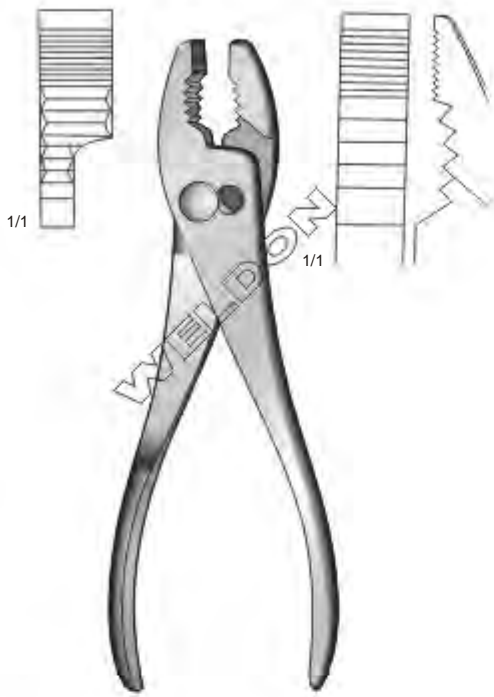


Universal  
WS-163-017  
15 cm / 6"  
For Bending & Cutting

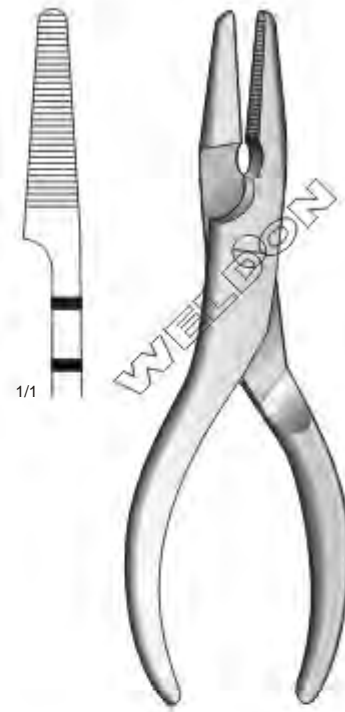


WS-163-018  
16 cm / 6 1/4"

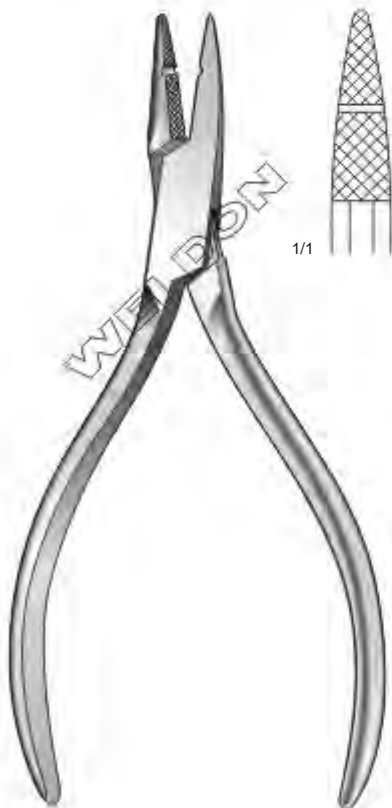
Flat Nose Pliers | Alicates De Pico Plano | Flachzangen



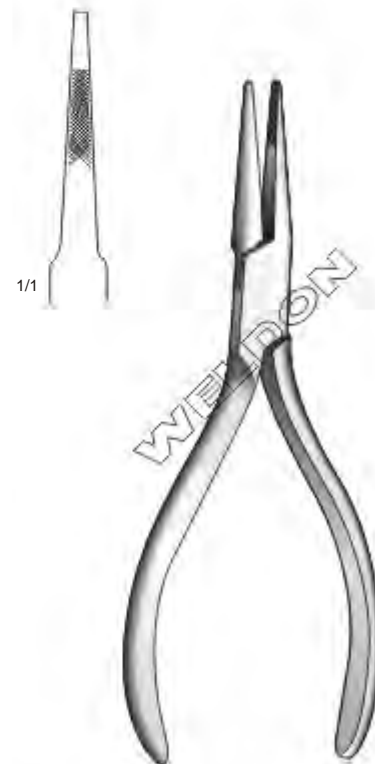
Slip Joint Adjustable Pliers  
WS-164-019  
19.7 cm / 7¾"



Flat Nose Plier  
WS-164-020  
15 cm / 6"  
Side Cutting Blades  
Tips Taper To 3.5 mm

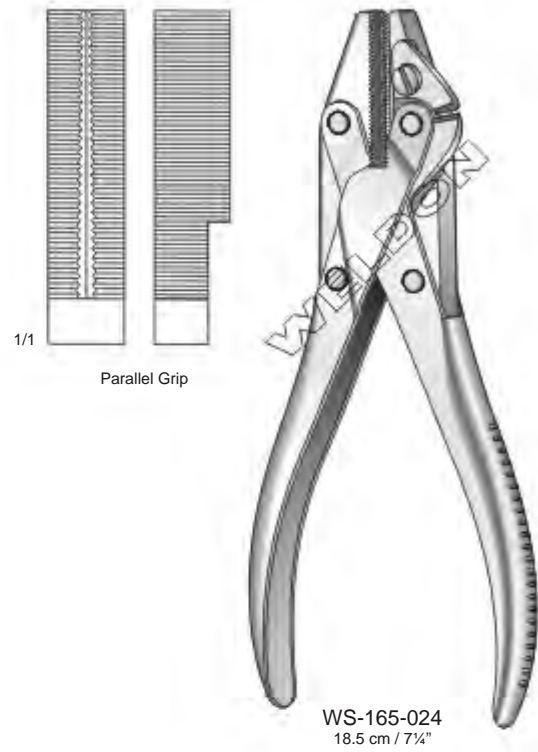
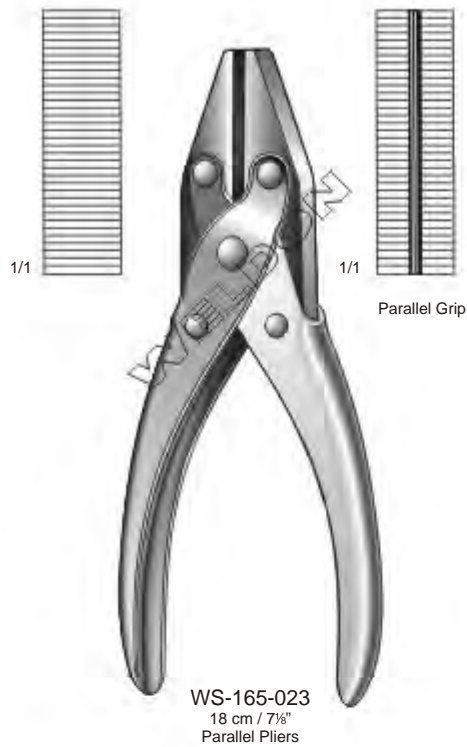


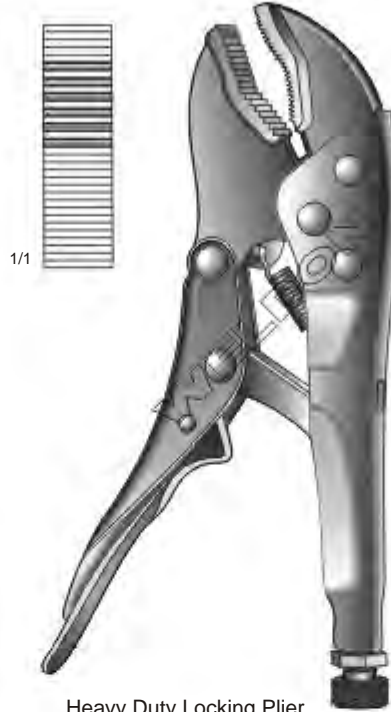
Needle Nose Plier  
WS-164-021  
14 cm / 5 ½"  
Grooved Jaws Tips



Flat Nose Plier  
WS-164-022  
15 cm / 6"

Flat Nose Pliers, Vise Grip | Alicate De Pico Plano | Flachzangen, Tonnenzange

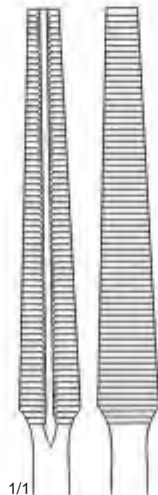




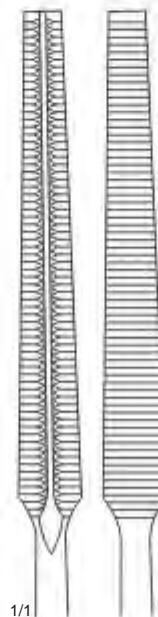
**Heavy Duty Locking Plier**  
**WS-166-028**  
 20 cm / 8", 9 mm Wide Tip  
 Reinforced Jaw Hinge, Self Locking Lever  
 With Adjustable Screw And  
 One Hand Quick Release



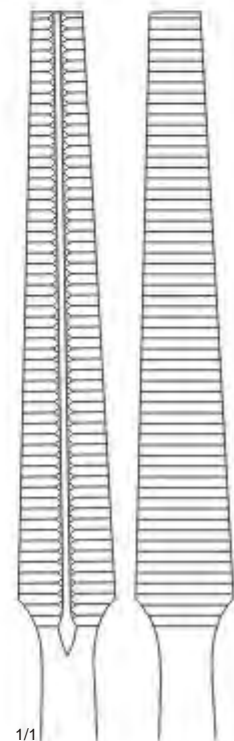
**Heavy Duty Locking Plier**  
 Reinforced Jaw Hinge, Self Locking Lever  
 With Adjustable Screw And  
 One Hand Quick Release



**WS-166-029**  
 22 cm / 8 3/4"



**WS-166-030**  
 25 cm / 10"



**WS-166-031**  
 30 cm / 11 1/2"



Buck-Gramcko  
WS-167-001  
11 cm / 4½"



Buck-Gramcko  
WS-167-002  
11 cm / 4½"

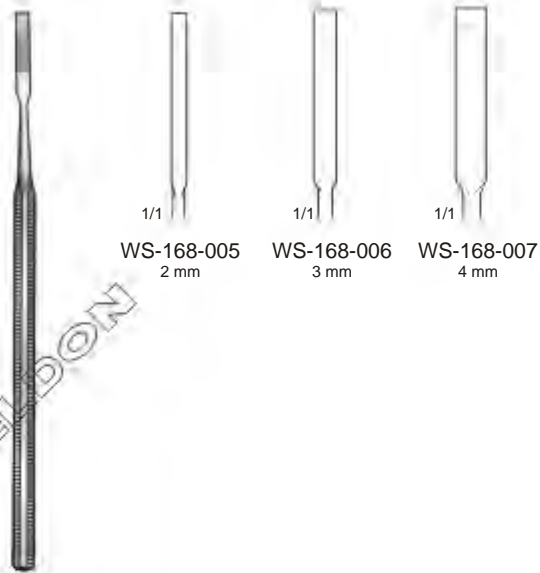


Buck-Gramcko  
WS-167-003  
10 cm / 4"

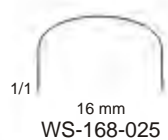
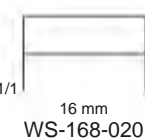
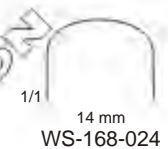
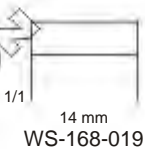
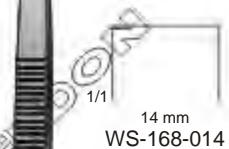
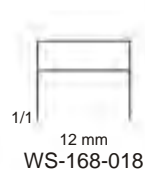
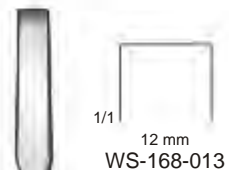
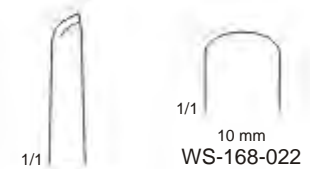
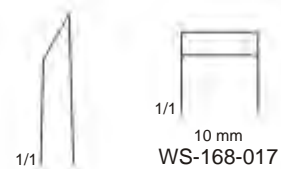
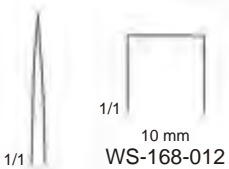
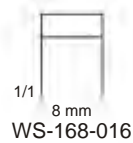
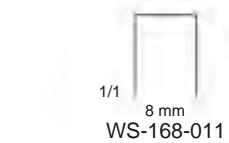
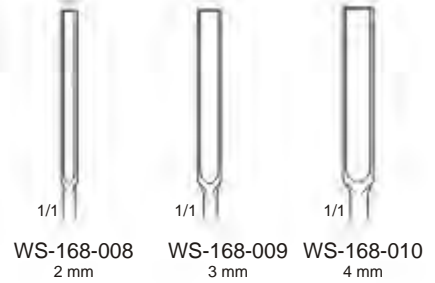
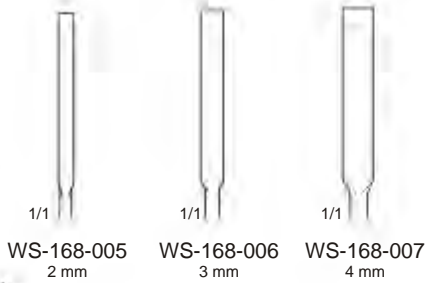


Buck-Gramcko  
WS-167-004  
10 cm / 4"





**Buckley**  
16 cm / 6¼"  
Octagonal Handle



13.5 cm / 5¼"

13.5 cm / 5¼"

13.5 cm / 5¼"

1/1  
2 mm  
WS-169-026  
13.5 cm / 5 1/4"

1/1  
2 mm  
WS-169-031  
17 cm / 6 3/4"

1/1  
2 mm  
WS-169-036  
13.5 cm / 5 1/4"

1/1  
2 mm  
WS-169-041  
17 cm / 6 3/4"

1/1  
4 mm  
WS-169-046

1/1  
4 mm  
WS-169-052

1/1  
3 mm  
WS-169-027  
13.5 cm / 5 1/4"

1/1  
3 mm  
WS-169-032  
17 cm / 6 3/4"

1/1  
3 mm  
WS-169-037  
13.5 cm / 5 1/4"

1/1  
3 mm  
WS-169-042  
17 cm / 6 3/4"

1/1  
6 mm  
WS-169-047

1/1  
6 mm  
WS-169-053

1/1  
4 mm  
WS-169-028  
13.5 cm / 5 1/4"

1/1  
4 mm  
WS-169-033  
17 cm / 6 3/4"

1/1  
4 mm  
WS-169-038  
13.5 cm / 5 1/4"

1/1  
4 mm  
WS-169-043  
17 cm / 6 3/4"

1/1  
8 mm  
WS-169-048

1/1  
8 mm  
WS-169-054

1/1  
5 mm  
WS-169-029  
13.5 cm / 5 1/4"

1/1  
5 mm  
WS-169-034  
17 cm / 6 3/4"

1/1  
5 mm  
WS-169-039  
13.5 cm / 5 1/4"

1/1  
5 mm  
WS-169-044  
17 cm / 6 3/4"

1/1  
10 mm  
WS-169-049

1/1  
10 mm  
WS-169-055

1/1  
6 mm  
WS-169-030  
13.5 cm / 5 1/4"

1/1  
6 mm  
WS-169-035  
17 cm / 6 3/4"

1/1  
6 mm  
WS-169-040  
13.5 cm / 5 1/4"

1/1  
6 mm  
WS-169-045  
17 cm / 6 3/4"

1/1  
12 mm  
WS-169-050

1/1  
12 mm  
WS-169-056

1/1  
14 mm  
WS-169-051

1/1  
14 mm  
WS-169-057



Partsch




Partsch



Alexander  
18 cm / 7"  
Solid




Alexander  
18 cm / 7"

**Chisels And Gouges | Cinceles, Gubias | Flachmeißel, Hohlmeißel**



**Lambotte, Mini**  
12.5 cm / 5"

1/1 2 mm WS-170-058	1/1 3 mm WS-170-059	1/1 4 mm WS-170-060
1/1 6 mm WS-170-061	1/1 8 mm WS-170-062	1/1 10 mm WS-170-063
1/1 12 mm WS-170-064	1/1 15 mm WS-170-065	



**Lambotte, Mini**  
17 cm / 6 3/4"

1/1 3 mm WS-170-066 Straight WS-170-073 Curved	1/1 4 mm WS-170-067 Straight WS-170-074 Curved	1/1 6 mm WS-170-068 Straight WS-170-075 Curved
1/1 8 mm WS-170-069 Straight WS-170-076 Curved	1/1 10 mm WS-170-070 Straight WS-170-077 Curved	1/1 12 mm WS-170-071 Straight WS-170-078 Curved
	1/1 15 mm WS-170-072 Straight WS-170-079 Curved	

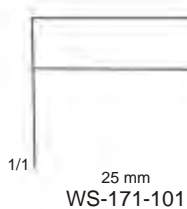
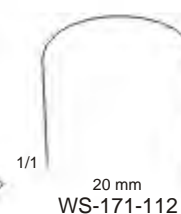
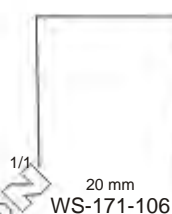
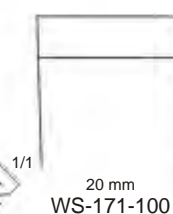
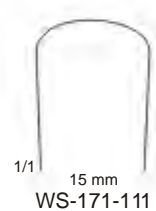
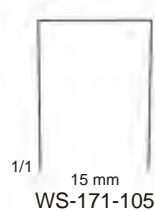
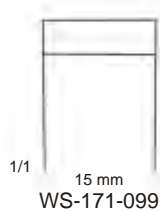
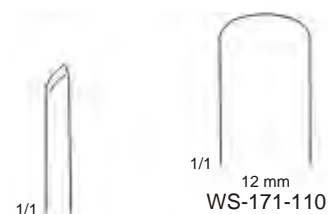
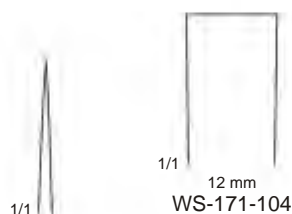
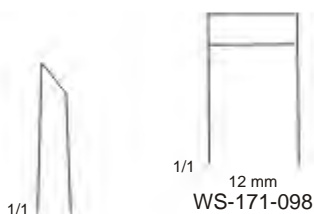
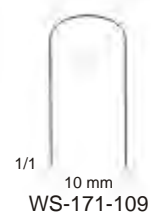
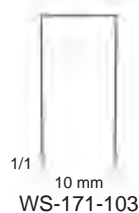
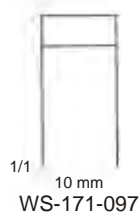
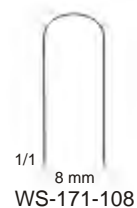
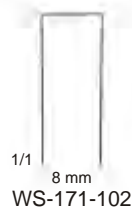
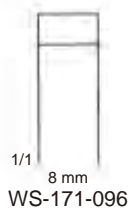


**Lambotte**  
24 cm / 9 1/2"  
Straight

1/1 10 mm WS-170-080 Straight WS-170-088 Curved	1/1 15 mm WS-170-081 Straight WS-170-089 Curved	1/1 20 mm WS-170-082 Straight WS-170-090 Curved	1/1 25 mm WS-170-083 Straight WS-170-091 Curved
1/1 30 mm WS-170-084 Straight WS-170-092 Curved	1/1 38 mm WS-170-085 Straight WS-170-093 Curved		
1/1 44 mm WS-170-086 Straight WS-170-094 Curved	1/1 50 mm WS-170-087 Straight WS-170-095 Curved 24 cm / 9 1/2"		



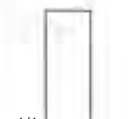
**Lambotte**  
24 cm / 9 1/2"  
Curved




Stille  
20 cm / 8"

Stille  
20 cm / 8"


Stille  
20 cm / 8"



1/1  
6 mm  
WS-172-114




1/1  
6 mm  
WS-172-119




1/1  
6 mm  
WS-172-124



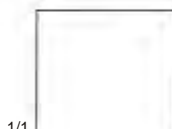
1/1  
13 mm  
WS-172-115




1/1  
13 mm  
WS-172-120




1/1  
13 mm  
WS-172-125




1/1  
19 mm  
WS-172-116




1/1  
19 mm  
WS-172-121




1/1  
19 mm  
WS-172-126




1/1  
25 mm  
WS-172-117



1/1  
25 mm  
WS-172-122




1/1  
25 mm  
WS-172-127



1/1  
32 mm  
WS-172-118




1/1  
32 mm  
WS-172-123




1/1  
32 mm  
WS-172-128



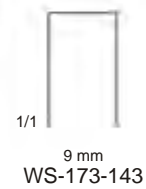
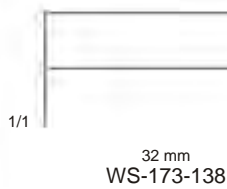
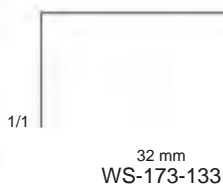
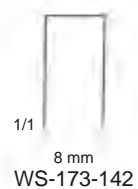
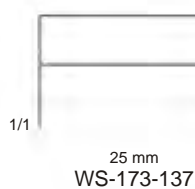
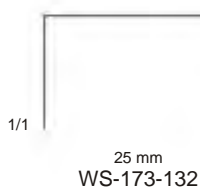
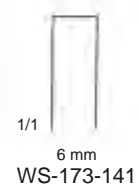
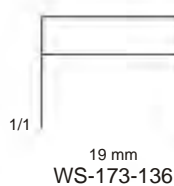
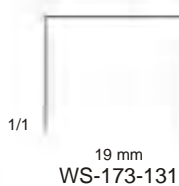
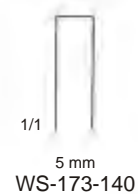
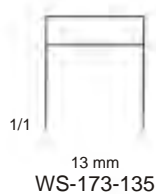
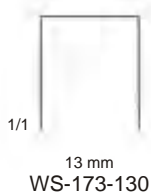
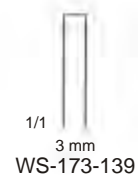
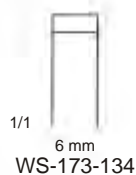
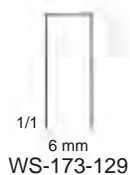
Hibbs  
24 cm / 9½"



Hibbs  
24 cm / 9½"



Hibbs  
24 cm / 9½"



Hibbs  
24.5 cm / 9 3/4"



Hibbs  
24.5 cm / 9 3/4"



Hoke  
17 cm / 6 3/4"

**Chisels And Gouges | Cinceles, Gubias | Flachmeißel, Hohlmeißel**

1/1  
6 mm  
WS-174-144

1/1  
6 mm  
WS-174-151

1/1  
9 mm  
WS-174-145

1/1  
9 mm  
WS-174-152

1/1  
13 mm  
WS-174-146

1/1  
13 mm  
WS-174-153

1/1  
16 mm  
WS-174-147

1/1  
16 mm  
WS-174-154

1/1  
9 mm  
WS-174-158

1/1  
9 mm  
WS-174-162

1/1  
19 mm  
WS-174-148

1/1  
19 mm  
WS-174-155

1/1  
14 mm  
WS-174-159

1/1  
14 mm  
WS-174-163

1/1  
25 mm  
WS-174-149

1/1  
25 mm  
WS-174-156

1/1  
19 mm  
WS-174-160

1/1  
19 mm  
WS-174-164

1/1  
32 mm  
WS-174-150

1/1  
32 mm  
WS-174-157

1/1  
25 mm  
WS-174-161

1/1  
25 mm  
WS-174-165



Smith-Petersen  
20.5 cm / 8"



Smith-Petersen  
20.5 cm / 8"



Smith-Petersen  
20.5 cm / 8"

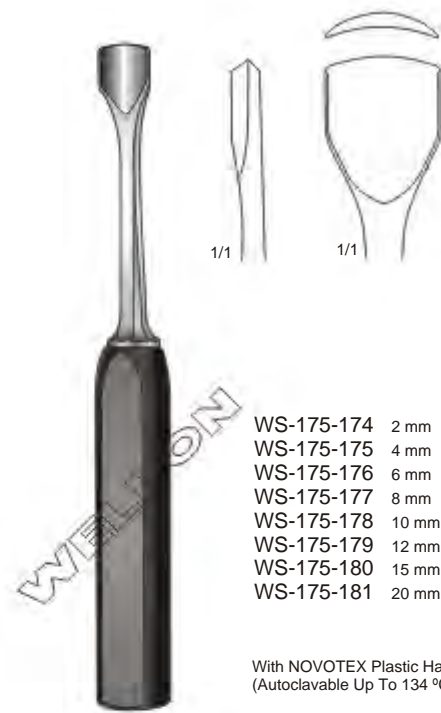


Smith-Petersen  
20.5 cm / 8"



- WS-175-166 2 mm
- WS-175-167 4 mm
- WS-175-168 6 mm
- WS-175-169 8 mm
- WS-175-170 10 mm
- WS-175-171 12 mm
- WS-175-172 15 mm
- WS-175-173 20 mm

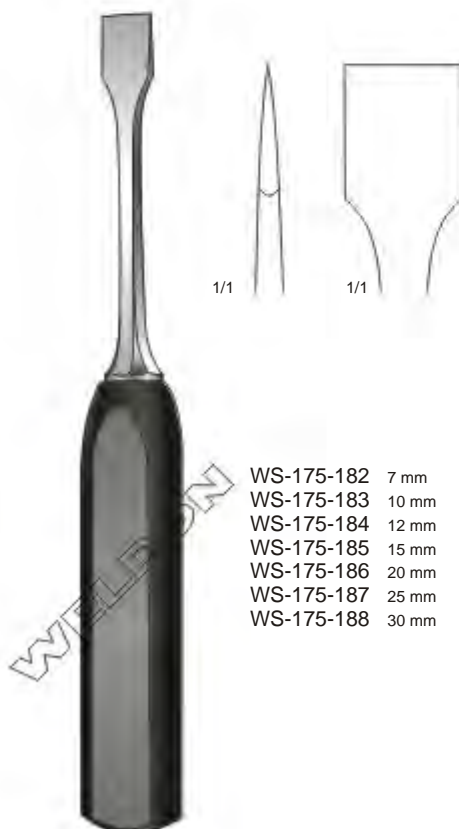
Mini-Lexer  
18 cm / 7 1/8"



- WS-175-174 2 mm
- WS-175-175 4 mm
- WS-175-176 6 mm
- WS-175-177 8 mm
- WS-175-178 10 mm
- WS-175-179 12 mm
- WS-175-180 15 mm
- WS-175-181 20 mm

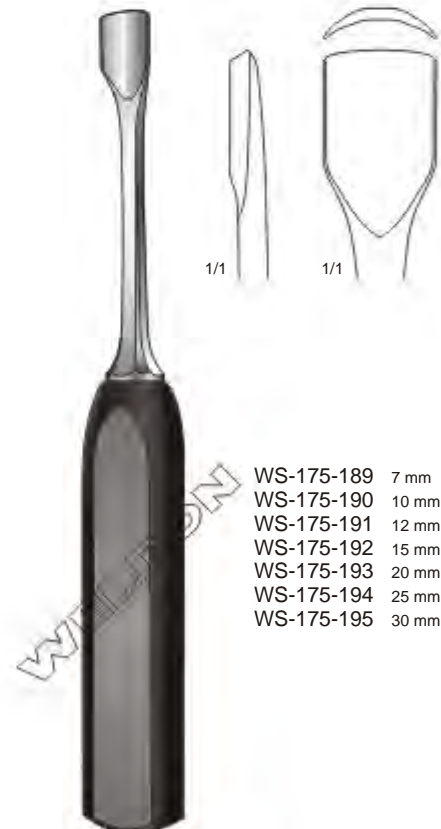
With NOVOTEX Plastic Handle  
(Autoclavable Up To 134 °C at Bar)

Mini-Lexer  
18 cm / 7 1/8"



- WS-175-182 7 mm
- WS-175-183 10 mm
- WS-175-184 12 mm
- WS-175-185 15 mm
- WS-175-186 20 mm
- WS-175-187 25 mm
- WS-175-188 30 mm

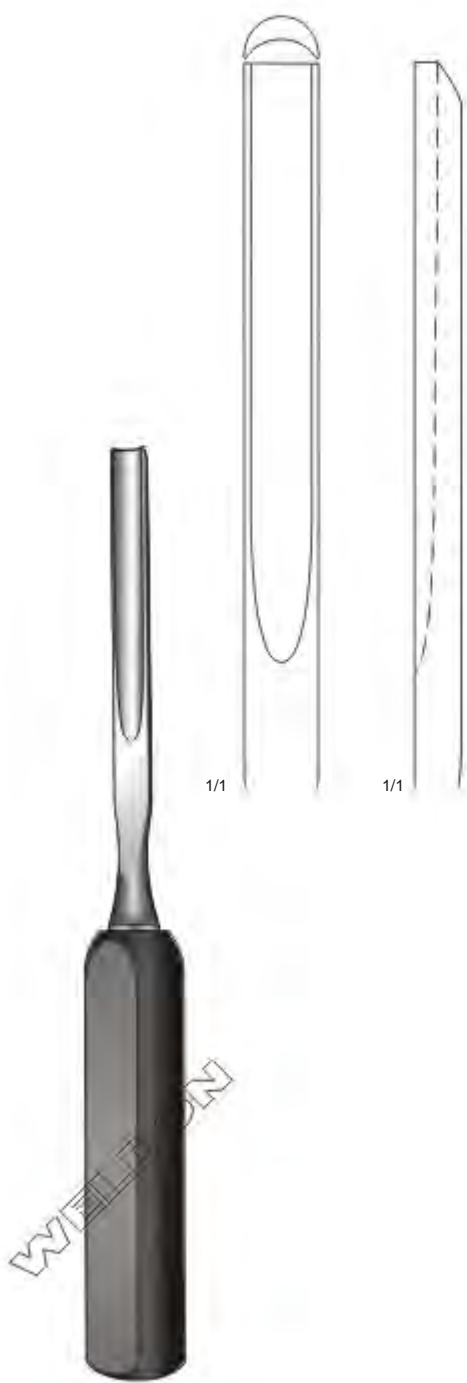
Lexer  
22 cm / 8 3/4"



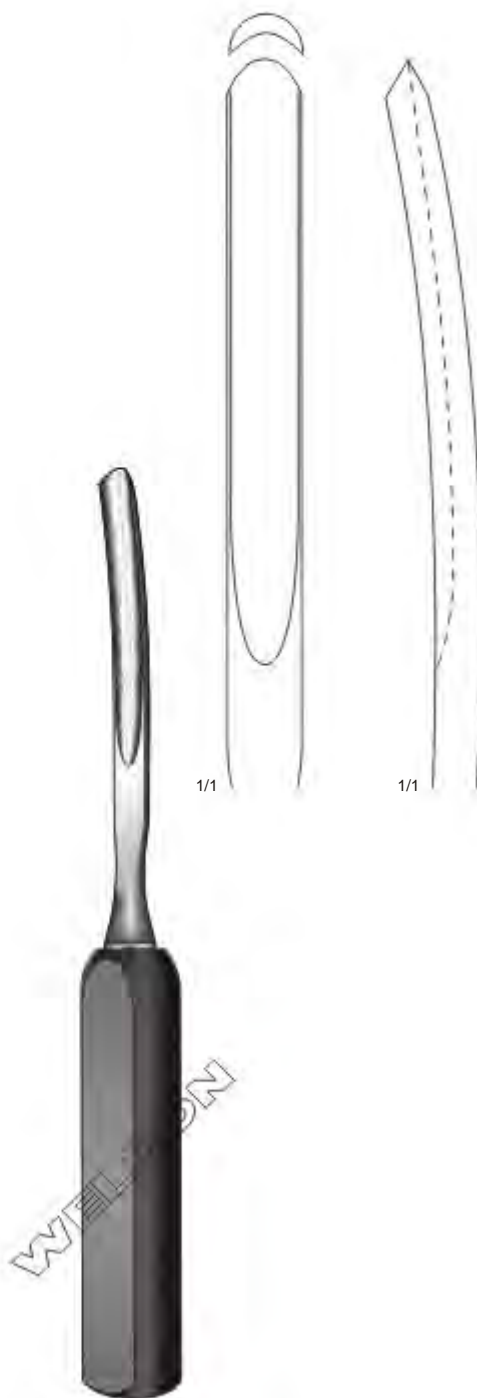
- WS-175-189 7 mm
- WS-175-190 10 mm
- WS-175-191 12 mm
- WS-175-192 15 mm
- WS-175-193 20 mm
- WS-175-194 25 mm
- WS-175-195 30 mm

Lexer  
22 cm / 8 3/4"

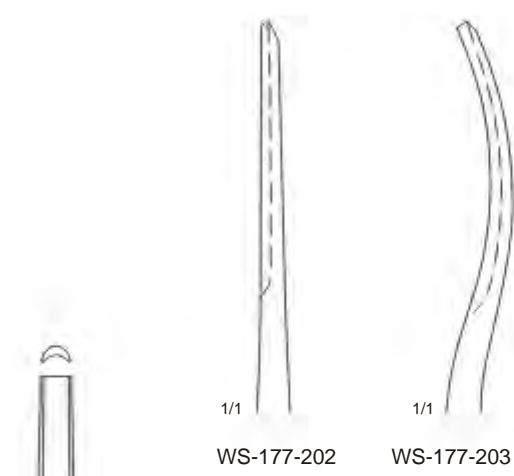




Lexer  
 WS-176-196 5 mm  
 WS-176-197 10 mm  
 WS-176-198 15 mm  
 25 cm / 10"

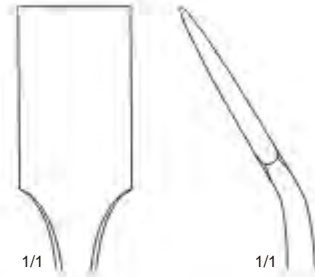


Lexer  
 WS-176-199 5 mm  
 WS-176-200 10 mm  
 WS-176-201 15 mm  
 25 cm / 10"

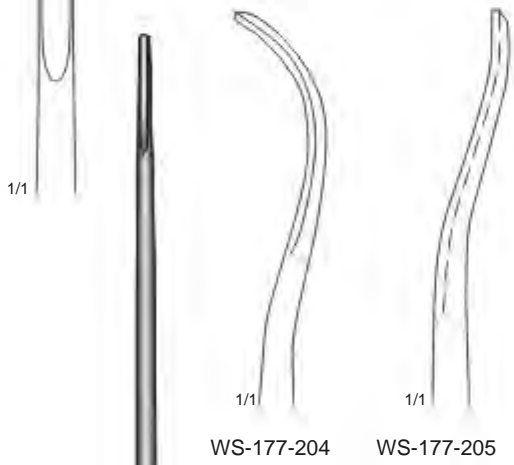


WS-177-202

WS-177-203

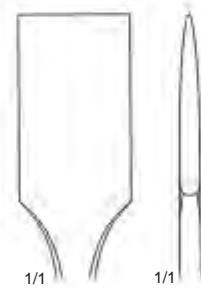


- WS-177-206 4 mm
- WS-177-207 5 mm
- WS-177-208 6 mm
- WS-177-209 8 mm
- WS-177-210 10 mm
- WS-177-211 12 mm
- WS-177-212 15 mm
- WS-177-213 20 mm
- WS-177-214 22 mm
- WS-177-215 25 mm



WS-177-204

WS-177-205



- WS-177-216 4 mm
- WS-177-217 5 mm
- WS-177-218 6 mm
- WS-177-219 8 mm
- WS-177-220 10 mm
- WS-177-221 12 mm
- WS-177-222 15 mm
- WS-177-223 20 mm
- WS-177-224 22 mm
- WS-177-225 25 mm



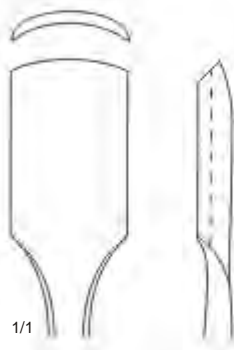
Cobb  
28 cm / 11"



Dahmen  
30 cm / 11¾"

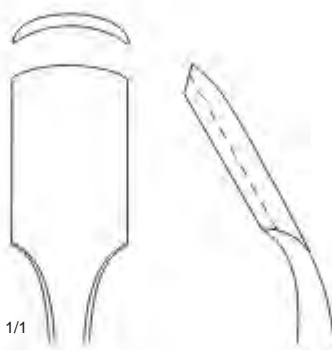


Dahmen  
30 cm / 11 3/4"



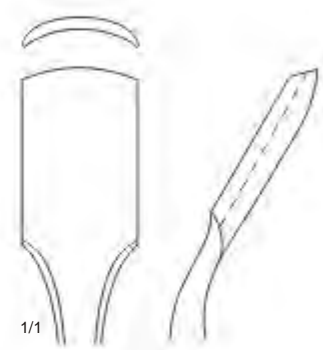
1/1

WS-178-226	4 mm
WS-178-227	5 mm
WS-178-228	6 mm
WS-178-229	8 mm
WS-178-230	10 mm
WS-178-231	12 mm
WS-178-232	15 mm
WS-178-233	20 mm
WS-178-234	22 mm
WS-178-235	25 mm



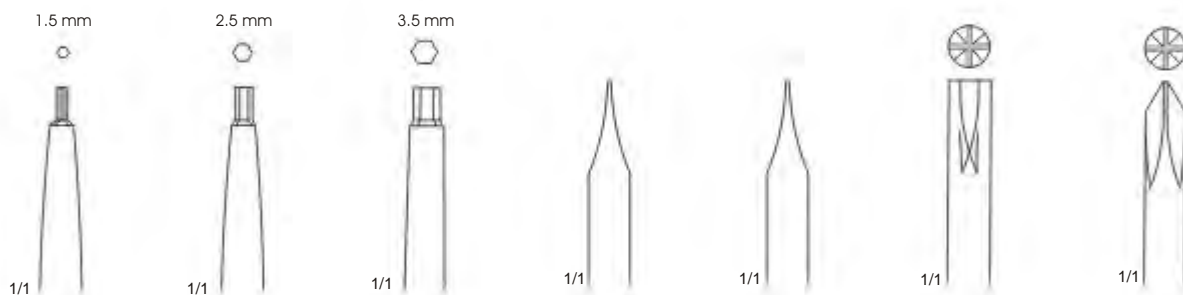
1/1

WS-178-236	4 mm
WS-178-237	5 mm
WS-178-238	6 mm
WS-178-239	8 mm
WS-178-240	10 mm
WS-178-241	12 mm
WS-178-242	15 mm
WS-178-243	20 mm
WS-178-244	22 mm
WS-178-245	25 mm



1/1

WS-178-246	4 mm
WS-178-247	5 mm
WS-178-248	6 mm
WS-178-249	8 mm
WS-178-250	10 mm
WS-178-251	12 mm
WS-178-252	15 mm
WS-178-253	20 mm
WS-178-254	22 mm
WS-178-255	25 mm



WS-179-256  
25 cm / 10"

WS-179-257  
25 cm / 10"

WS-179-258  
25 cm / 10"

WS-179-259  
17 cm / 6 3/4"

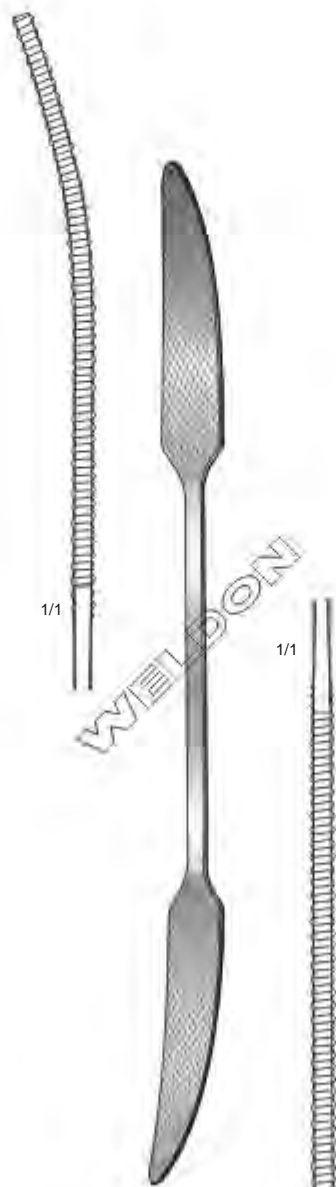
Lane  
WS-179-260  
25 cm / 10"

WS-179-261  
25 cm / 10"

Philips  
WS-179-262  
25 cm / 10"




**Putti**  
**WS-180-263**  
 30 cm / 11¾"  
 Round / Semi Round




**Putti**  
**WS-180-264**  
 27 cm / 10¾"  
 Curved / Straight



**Tampers**  
 15.5 cm / 6"

1/1   
 1 mm Ø  
**WS-180-265**

1/1   
 2 mm Ø  
**WS-180-266**

1/1   
 3 mm Ø  
**WS-180-267**

1/1   
 4 mm Ø  
**WS-180-268**

1/1   
 5 mm Ø  
**WS-180-269**

1/1   
 6 mm Ø  
**WS-180-270**

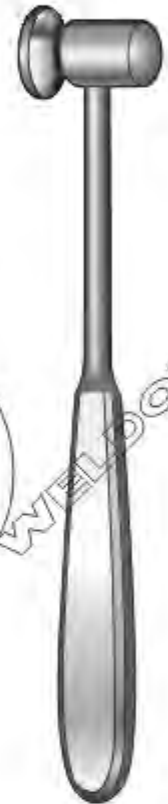
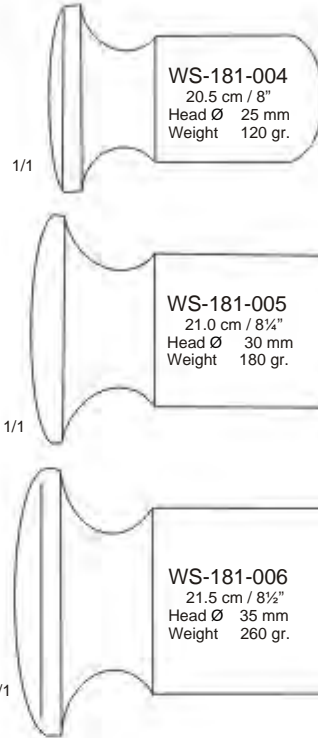
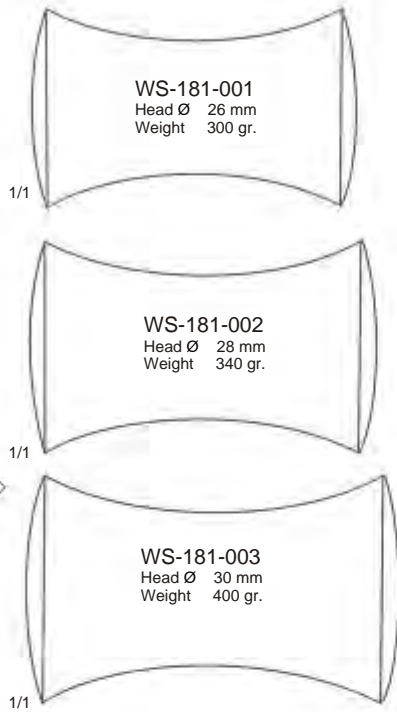
1/1   
 7 mm Ø  
**WS-180-271**

1/1   
 8 mm Ø  
**WS-180-272**

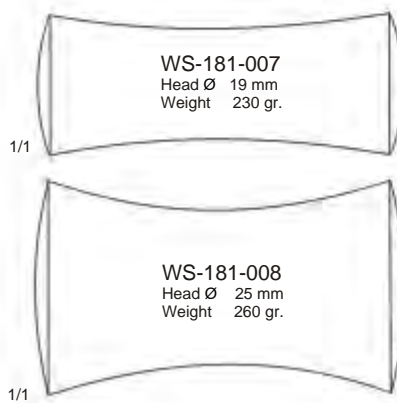
1/1   
 10 mm Ø  
**WS-180-273**



Williger  
24 cm / 9½"  
Lead Filled



Doyen



Lucae  
19.5 cm / 7¾"



Collin  
WS-181-009  
20 cm / 8"



Williger  
WS-181-010  
16.5 cm / 6½"

**Mallets | Martillos | Hämmer**


**Gerzog**  
**WS-182-011A**  
 19 cm / 7½"  
 Weight 10 oz. / 285 gr.  
 Head Weight 7 oz. / 200 gr.  
 Head Diameter 25 mm



Head Diameter 27 mm  
 Weight 320 gr.

**WD-182-012-R**  
 Ferrozell Disks Only  
 In Pairs

**Mead**  
**WS-182-012**  
 19 cm / 7½"  
 With Interchangeable  
 Ferrozell Disks



**Heath**  
**WS-182-012A**  
 19 cm / 7½"  
 Stainless Steel, Solid  
 Weight 2 lbs / 900 gr.  
 Head Weight 1 lb / 570 gr  
 Head Diameter 40 mm



Head Diameter 22 mm  
 Weight 200 gr.

**Partsch**  
**WS-182-014**  
 19 cm / 7½"  
 With Hollow Handle



Head Diameter 30 mm  
 Weight 510 gr.

**WS-182-011**  
 26 cm / 10¼"  
 Plastic Handle



Head Diameter 45 mm  
 Weight 290 gr

**WS-182-013**  
 23 cm / 9"  
 Hard Wood, Lead Filled

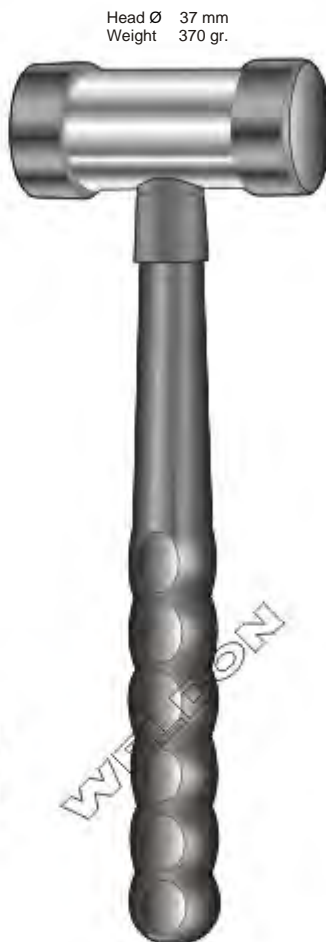


**Bergmann-(Hibbs)**  
**WS-182-013A**  
 22.5 cm / 9"  
 Weight 570 gr., Head Diameter 40 mm



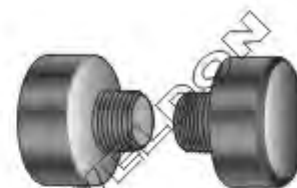
Head Ø 42/30 mm  
Weight 530 gr.

WS-183-015  
26 cm / 10 1/4"  
Plastic Handle



Head Ø 37 mm  
Weight 370 gr.

WS-183-017  
24 cm / 9 1/2"  
Disks and Handle Of Plastic



WS-183-018  
Spare Facings (Pair)  
Plastic



Head Ø 30 mm  
Weight 480 gr.

WS-183-016  
24 cm / 9 1/2"  
Plastic Handle



Head Ø 30 mm  
Weight 125 gr.

WS-183-019  
22 cm / 8 3/4"  
Made Of Plastic



**Mallets | Martillos | Hämmer**

Head Ø 80 x 60 mm  
Weight 400 gr.



Steinbach  
WS-184-020  
24 cm / 9½"  
Ferrozell, Solid

Head Ø 42 mm  
Weight 400 gr.



WS-184-023  
26 cm / 10¼"  
Made Of Plastic  
With Lead Filling



WS-184-021  
26 cm / 10¼"  
Made Of Plastic  
With Lead Filling  
Head Ø 42 mm  
Weight 400 gr.

WS-184-022  
26 cm / 10¼"  
Made Of Plastic  
Without Lead  
Head Ø 42 mm  
Weight 250 gr

Head Ø 30 mm  
Weight 675 gr.



WS-184-024  
26.5 cm / 10½"  
Plain (Nylon) Convex  
(Steel) Plastic Handle



WS-185-025  
24 cm / 9½"  
Steel, Sold  
With Plastic Handle



WS-185-026  
26.5 cm / 10½"  
Plastic Handle



WS-185-027  
26.5 cm / 10½"  
Plastic Handle

**Bone Currettes | Cucharillas Cortantes | Scharfe Löffel**

1/1  
Fig. 0000  
WS-186-001

1/1  
Fig. 2  
WS-186-006

1/1  
Fig. 0  
WS-186-011

1/1  
Fig. 000  
WS-186-002

1/1  
Fig. 3  
WS-186-007

1/1  
Fig. 1  
WS-186-012

1/1  
Fig. 00  
WS-186-003

1/1  
Fig. 4  
WS-186-008

1/1  
Fig. 2  
WS-186-013

1/1  
Fig. 0  
WS-186-004

1/1  
Fig. 5  
WS-186-009

1/1  
Fig. 3  
WS-186-014

1/1  
Fig. 1  
WS-186-005

1/1  
Fig. 6  
WS-186-010

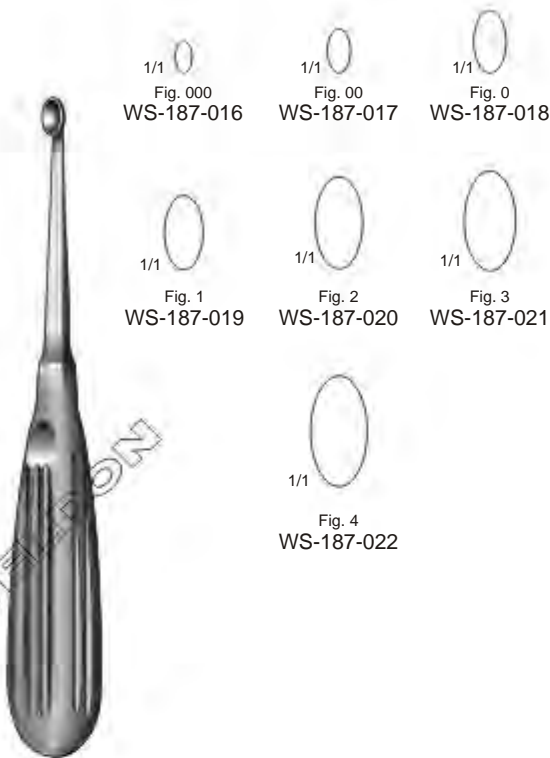
1/1  
Fig. 4  
WS-186-015



**Volkman**  
19 cm / 7½"  
Oval, With Plastic Handle

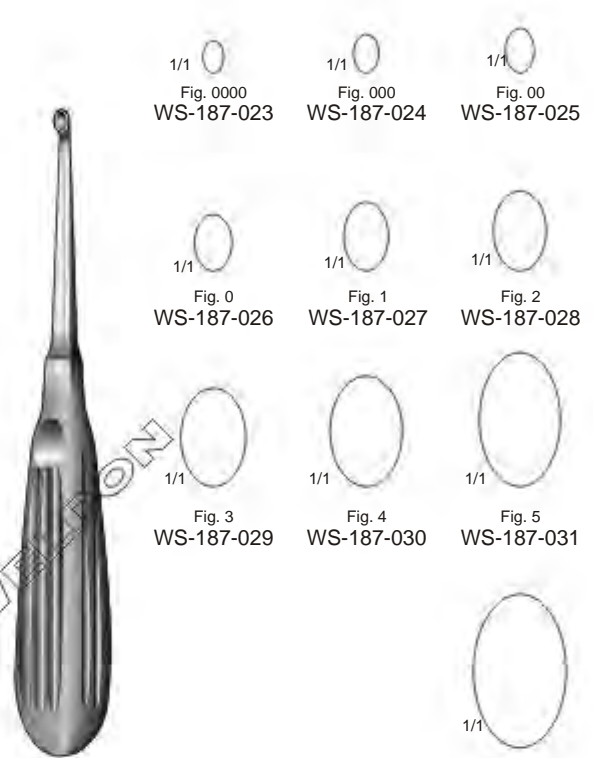


**Volkman**  
27.5 cm / 10¾"  
Oval, With Plastic Handle



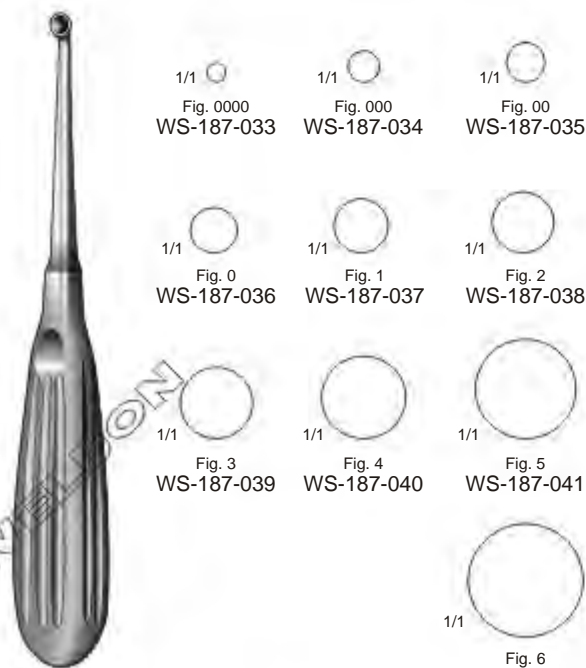
**Schede**  
17 cm / 6¾"  
Oval, With Hollow Handle

- |                               |                              |                             |
|-------------------------------|------------------------------|-----------------------------|
| 1/1<br>Fig. 000<br>WS-187-016 | 1/1<br>Fig. 00<br>WS-187-017 | 1/1<br>Fig. 0<br>WS-187-018 |
| 1/1<br>Fig. 1<br>WS-187-019   | 1/1<br>Fig. 2<br>WS-187-020  | 1/1<br>Fig. 3<br>WS-187-021 |
| 1/1<br>Fig. 4<br>WS-187-022   |                              |                             |



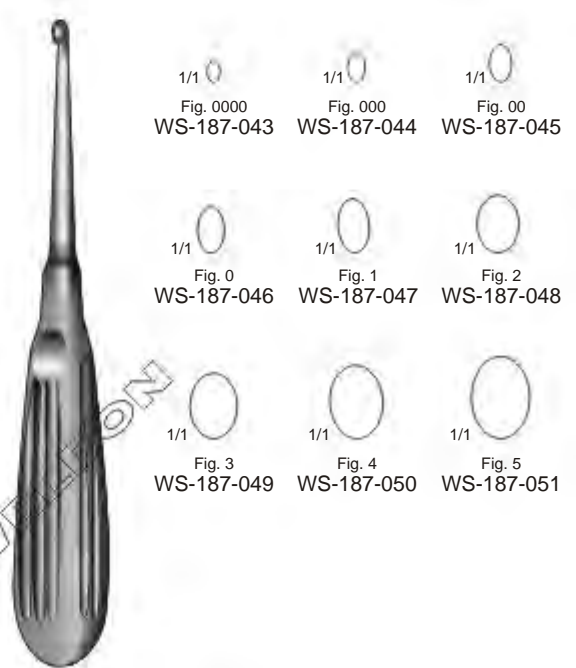
**Volkmann**  
17 cm / 6¾"  
Oval, With Hollow Handle

- |                                |                               |                              |
|--------------------------------|-------------------------------|------------------------------|
| 1/1<br>Fig. 0000<br>WS-187-023 | 1/1<br>Fig. 000<br>WS-187-024 | 1/1<br>Fig. 00<br>WS-187-025 |
| 1/1<br>Fig. 0<br>WS-187-026    | 1/1<br>Fig. 1<br>WS-187-027   | 1/1<br>Fig. 2<br>WS-187-028  |
| 1/1<br>Fig. 3<br>WS-187-029    | 1/1<br>Fig. 4<br>WS-187-030   | 1/1<br>Fig. 5<br>WS-187-031  |
|                                |                               | 1/1<br>Fig. 6<br>WS-187-032  |



**Bruns**  
17 cm / 6¾"  
Round, With Hollow Handle

- |                                |                               |                              |
|--------------------------------|-------------------------------|------------------------------|
| 1/1<br>Fig. 0000<br>WS-187-033 | 1/1<br>Fig. 000<br>WS-187-034 | 1/1<br>Fig. 00<br>WS-187-035 |
| 1/1<br>Fig. 0<br>WS-187-036    | 1/1<br>Fig. 1<br>WS-187-037   | 1/1<br>Fig. 2<br>WS-187-038  |
| 1/1<br>Fig. 3<br>WS-187-039    | 1/1<br>Fig. 4<br>WS-187-040   | 1/1<br>Fig. 5<br>WS-187-041  |
|                                |                               | 1/1<br>Fig. 6<br>WS-187-042  |



**Spratt**  
17 cm / 6¾"  
Oval, With Hollow Handle

- |                                |                               |                              |
|--------------------------------|-------------------------------|------------------------------|
| 1/1<br>Fig. 0000<br>WS-187-043 | 1/1<br>Fig. 000<br>WS-187-044 | 1/1<br>Fig. 00<br>WS-187-045 |
| 1/1<br>Fig. 0<br>WS-187-046    | 1/1<br>Fig. 1<br>WS-187-047   | 1/1<br>Fig. 2<br>WS-187-048  |
| 1/1<br>Fig. 3<br>WS-187-049    | 1/1<br>Fig. 4<br>WS-187-050   | 1/1<br>Fig. 5<br>WS-187-051  |

**Bone Curettes | Cucharillas Cortantes | Scharfe Löffel**

1/1  
Fig. 1  
WS-188-052

1/1  
Fig. 2  
WS-188-053

1/1  
Fig. 3  
WS-188-054

1/1  
Fig. 4  
WS-188-055

1/1  
Fig. 5  
WS-188-056

1/1  
Fig. 6  
WS-188-057



1/1  
Fig. 1  
WS-188-058

1/1  
Fig. 2  
WS-188-059

1/1  
Fig. 3  
WS-188-060

1/1  
Fig. 4  
WS-188-061

1/1  
Fig. 5  
WS-188-062

1/1  
Fig. 6  
WS-188-063



1/1  
Fig. 1  
WS-188-064

1/1  
Fig. 2  
WS-188-065

1/1  
Fig. 3  
WS-188-066

1/1  
Fig. 4  
WS-188-067

1/1  
Fig. 5  
WS-188-068

1/1  
Fig. 6  
WS-188-069



1/1  
Fig. 1  
WS-188-070

1/1  
Fig. 2  
WS-188-071

1/1  
Fig. 3  
WS-188-072

1/1  
Fig. 4  
WS-188-073

1/1  
Fig. 5  
WS-188-074

1/1  
Fig. 6  
WS-188-075

1/1  
Fig. 1  
WS-188-076

1/1  
Fig. 2  
WS-188-077

1/1  
Fig. 3  
WS-188-078



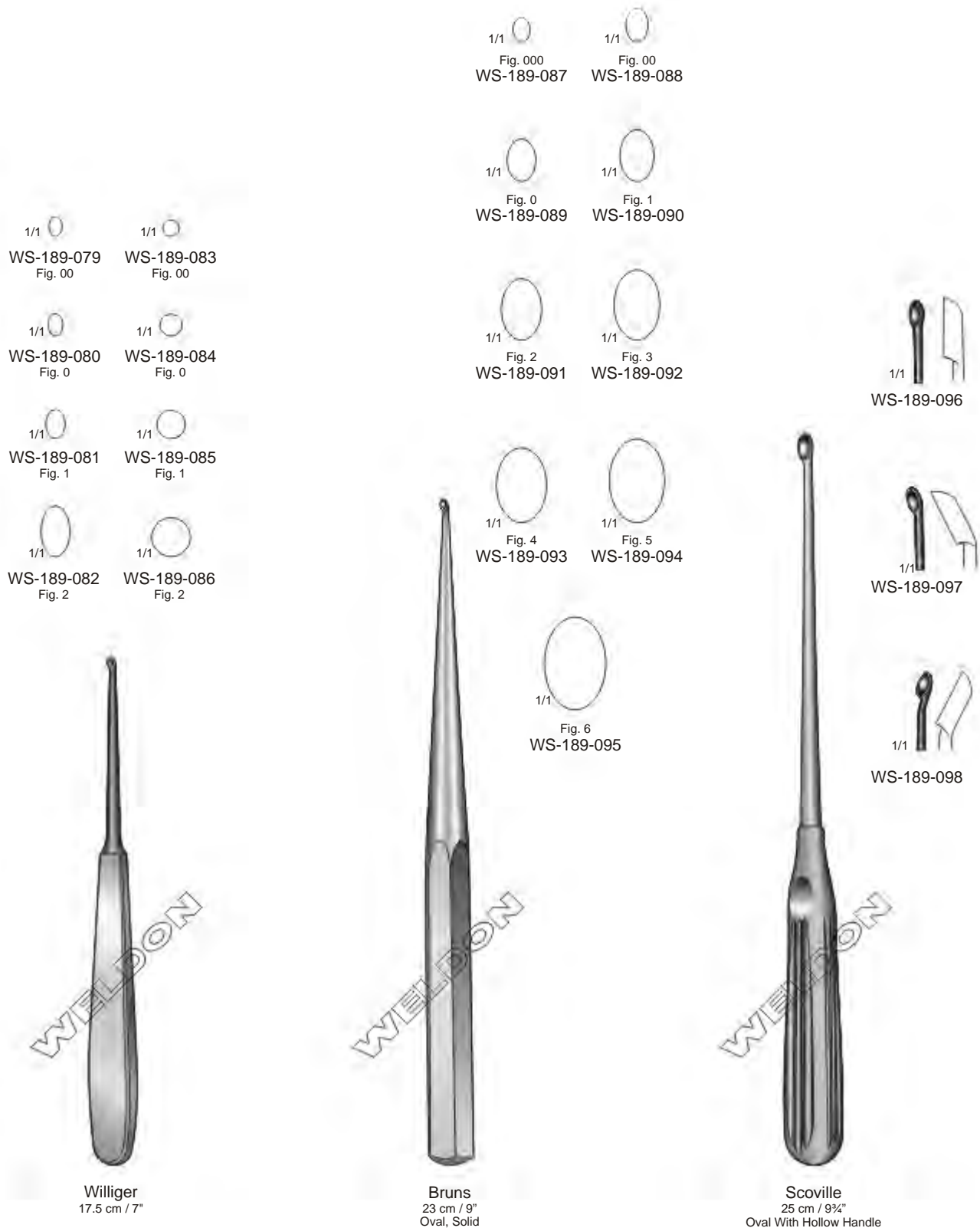
**Simon**  
25 cm / 9 3/4"  
Oval, With Hollow Handle



**Modell USA**  
15.5 cm / 6"  
Oval, With Hollow Handle



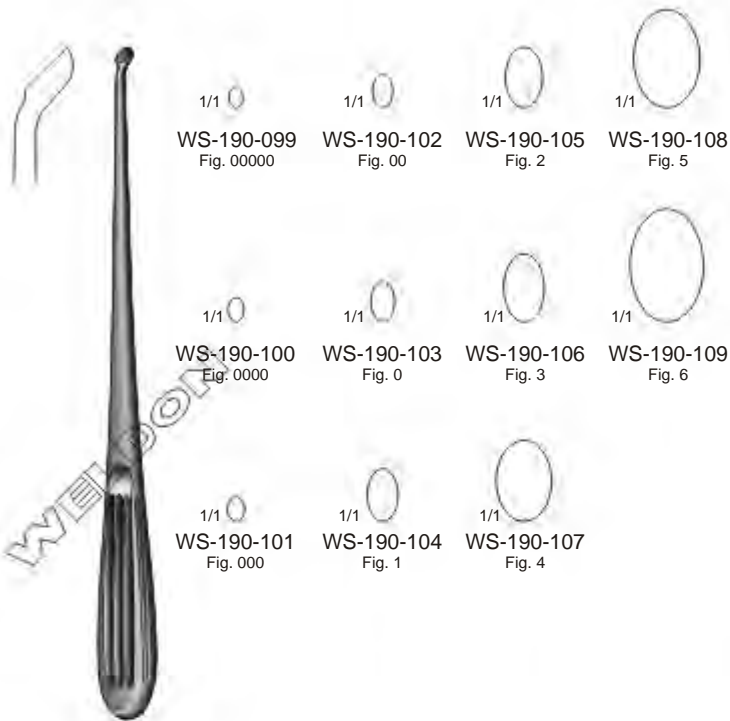
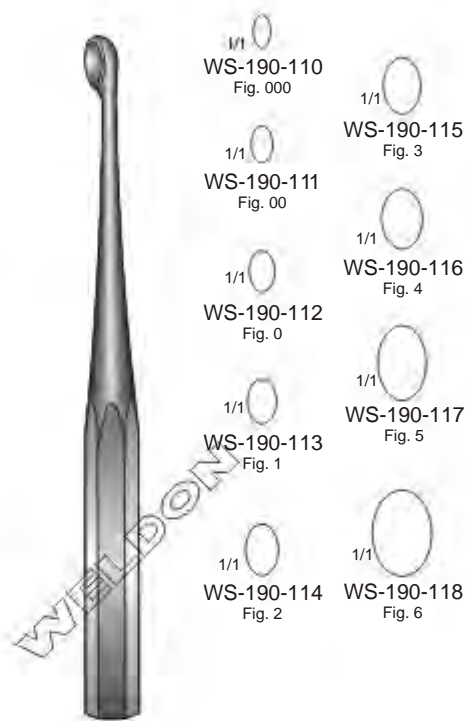
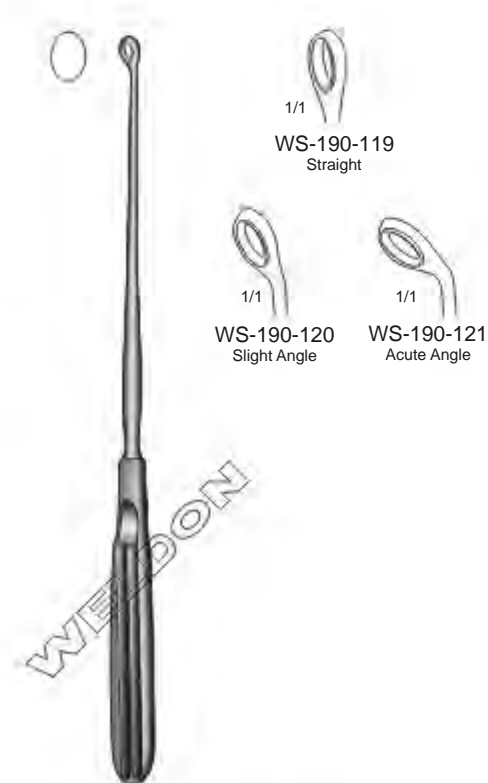
**Halle**  
21 cm / 8 1/4"  
Oval, Malleable Shaft,  
With Hollow Handle



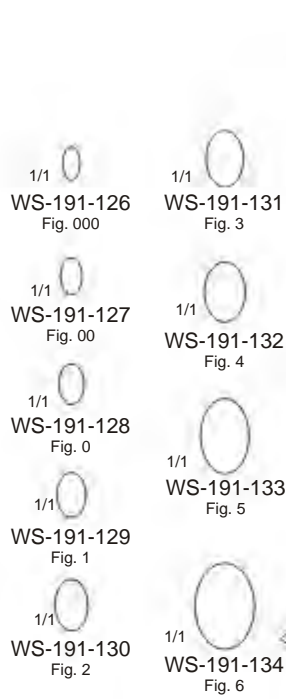
Williger  
17.5 cm / 7"

Bruns  
23 cm / 9"  
Oval, Solid

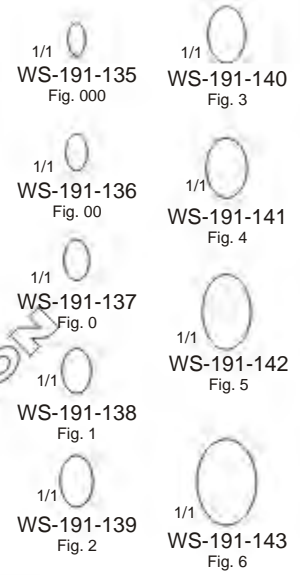
Scoville  
25 cm / 9 3/4"  
Oval With Hollow Handle

**Bone Curettes | Cucharillas Cortantes | Scharfe Löffel**

**Spinal Fusion Curettes**  
 23 cm / 9"  
 Reverse Angle

**Bruns Oval Cup Cruettes**  
 23 cm / 9"  
 Solid Hexagonal Handle  
 Straight

**Semmes (Howard) Spinal Curettes**  
 23 cm / 9", 4 x 7 mm Cup

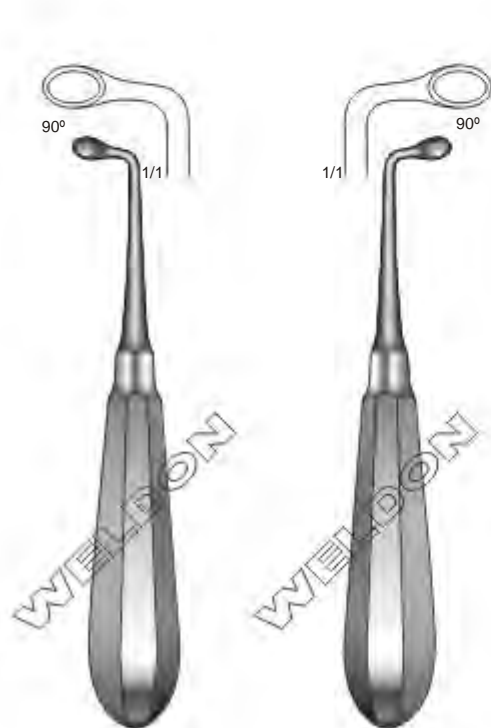
**Daubenspeck**  
 20 cm / 8"



Cobb - Type Oval Cup Currettes  
27.9 cm / 11"  
Hollow, Knurled Handle  
Angled



Cobb - Type Oval Cup Currettes  
27.9 cm / 11"  
Hollow, Knurled Handle  
Straight



Siebenmann  
WS-191-144  
16 cm / 6 1/4"

Siebenmann  
WS-191-145  
16 cm / 6 1/4"






Uffendorde  
WS-191-146  
17 cm / 6 3/4"





Uffendorde  
WS-191-147  
17 cm / 6 3/4"

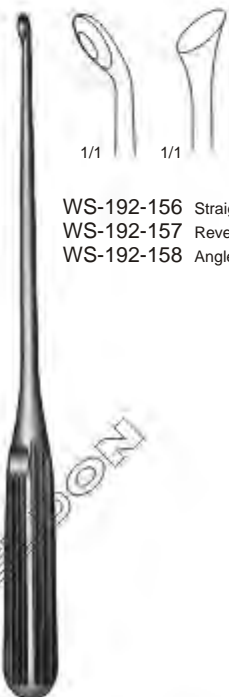


**Bone Currettes | Cucharillas Cortantes | Scharfe Löffel**


- 1/1 
- WS-192-148 Straight
- WS-192-149 Angular
- 8 mm
- 1/1 
- WS-192-150 Straight
- WS-192-151 Angular
- 6 mm
- 1/1 
- WS-192-152 Straight
- WS-192-153 Angular
- 3 mm

**Cone Ring Currettes**  
 23 cm / 9"


- 1/1 
- WS-192-154 Angle
- 1/1 
- WS-192-155 Angle






**Cone Ring Currettes**  
 23 cm / 9"


- 1/1 
- WS-192-156 Straight
- WS-192-157 Reverse Angled
- WS-192-158 Angled

**Scoville Disc Currettes**  
 25 cm / 10"  
 Cup Size 4 x 10 mm

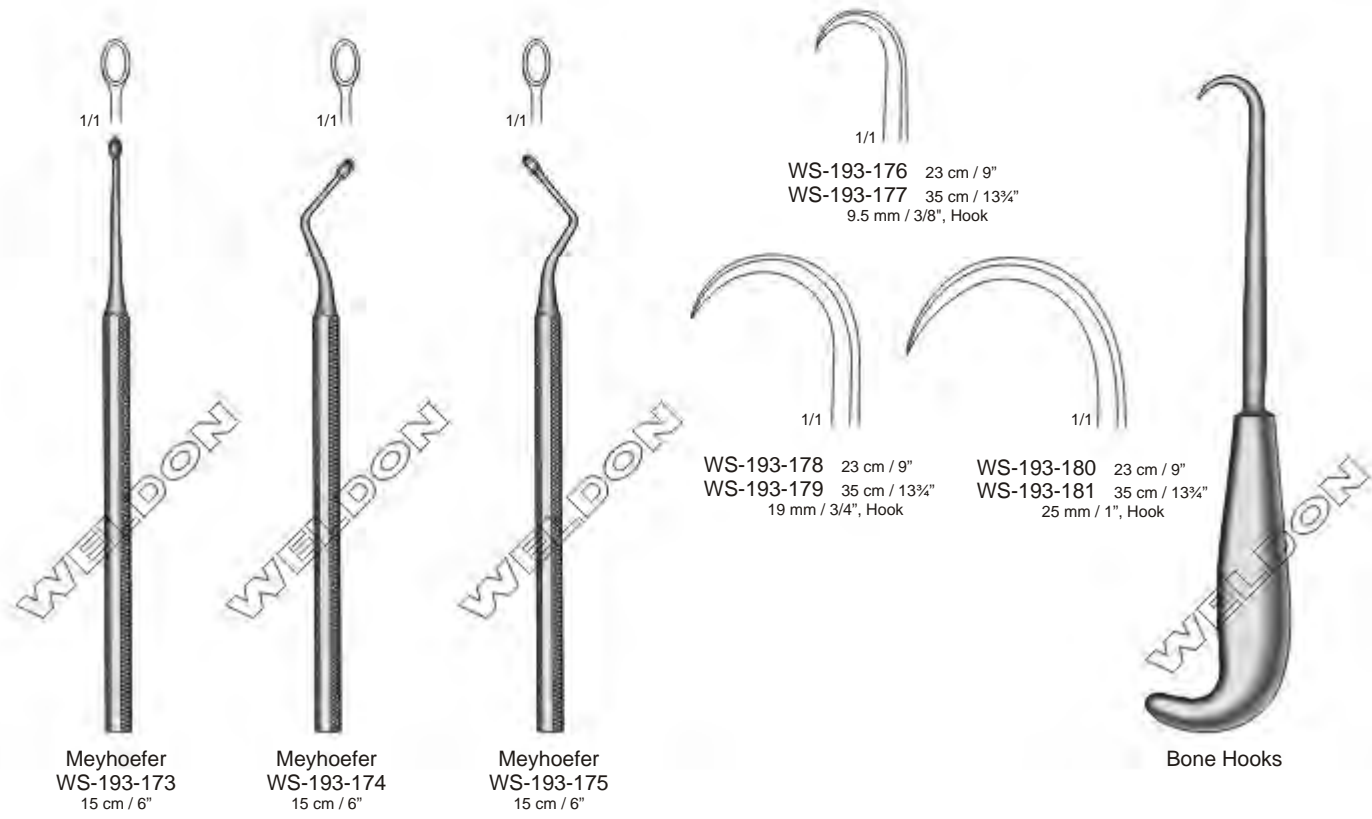
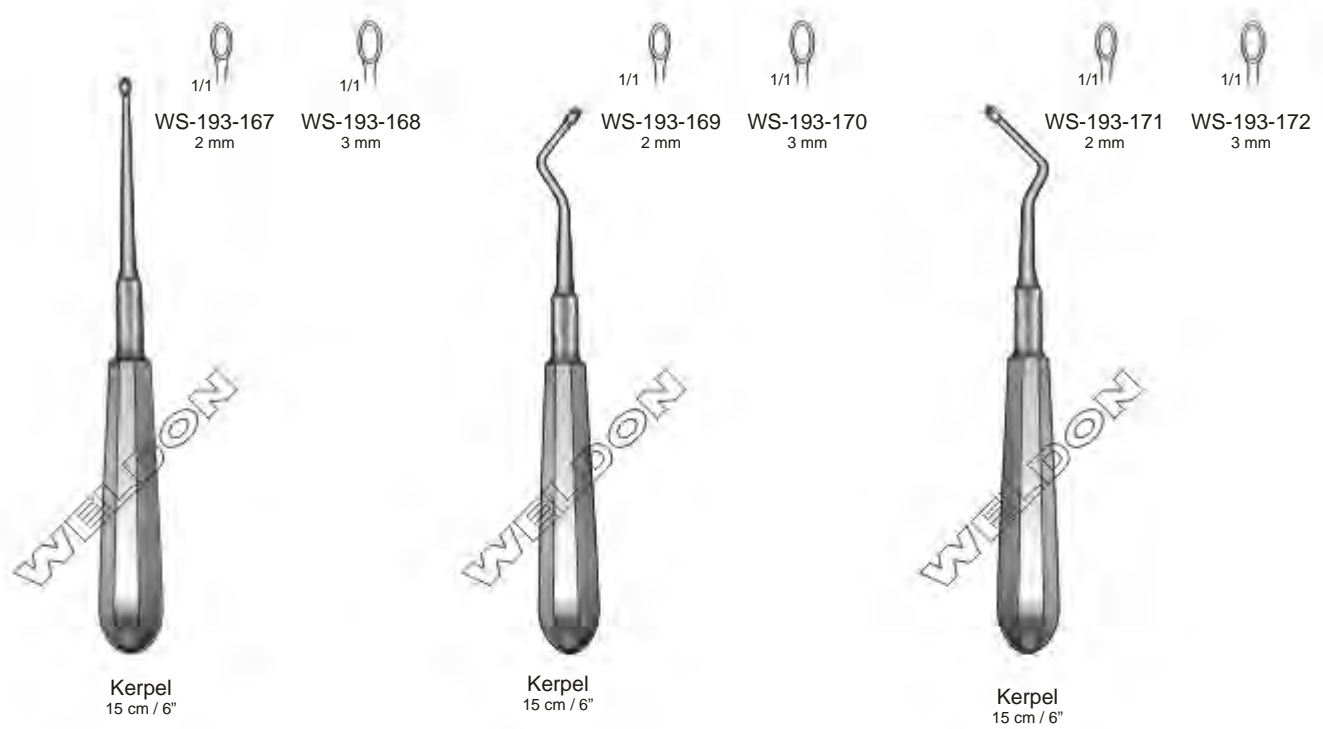

- 1/1 
- WS-192-159 Size 3-0
- 1/1 
- WS-192-160 Size 2-0
- 1/1 
- WS-192-161 Size 0

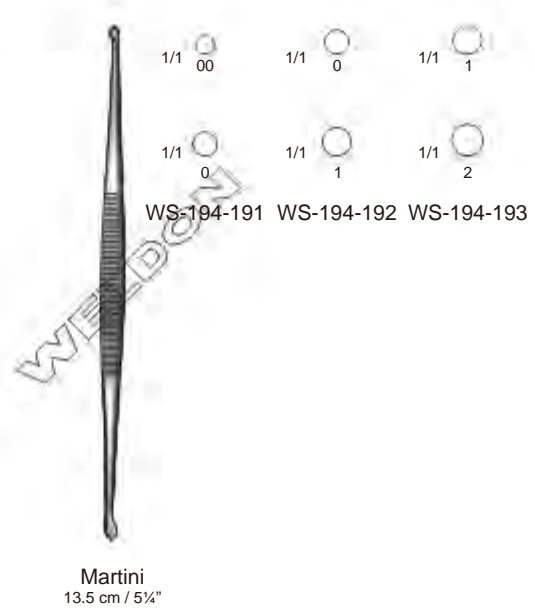
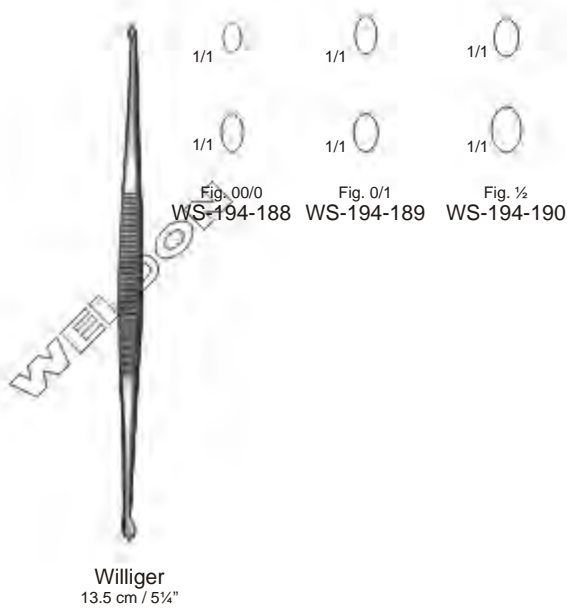
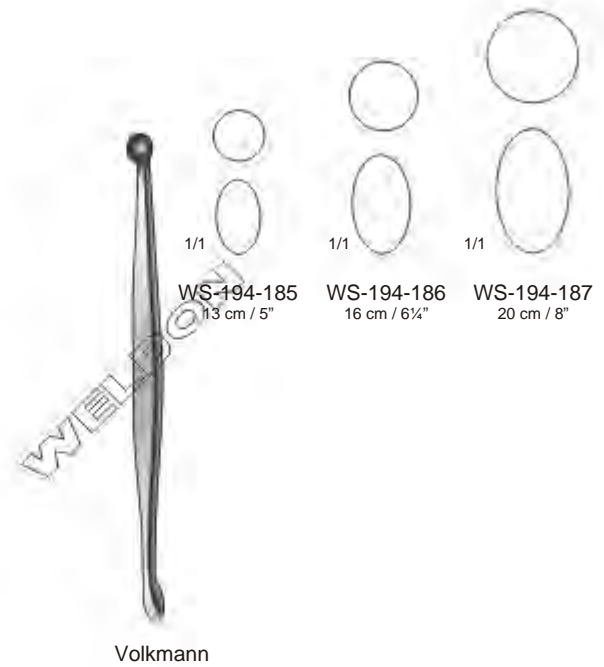
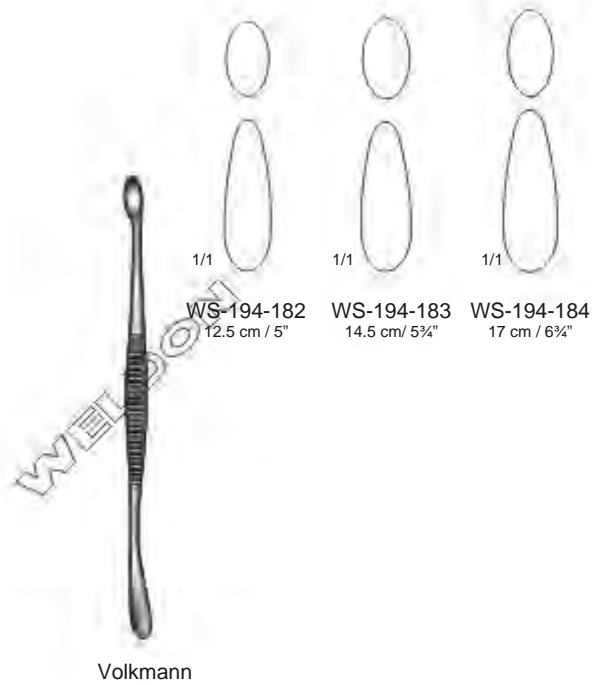
**Epstein Spinal Currettes**  
 20 cm / 8"  
 Reverse Angle


- 1/1 
- Fig 0 WS-192-162 Ø 2.0 mm
- 1/1 
- Fig 1 WS-192-163 Ø 2.5 mm
- 1/1 
- Fig 2 WS-192-164 Ø 3.0 mm
- 1/1 
- Fig 3 WS-192-165 Ø 3.5 mm
- 1/1 
- Fig 4 WS-192-166 Ø 5.0 mm

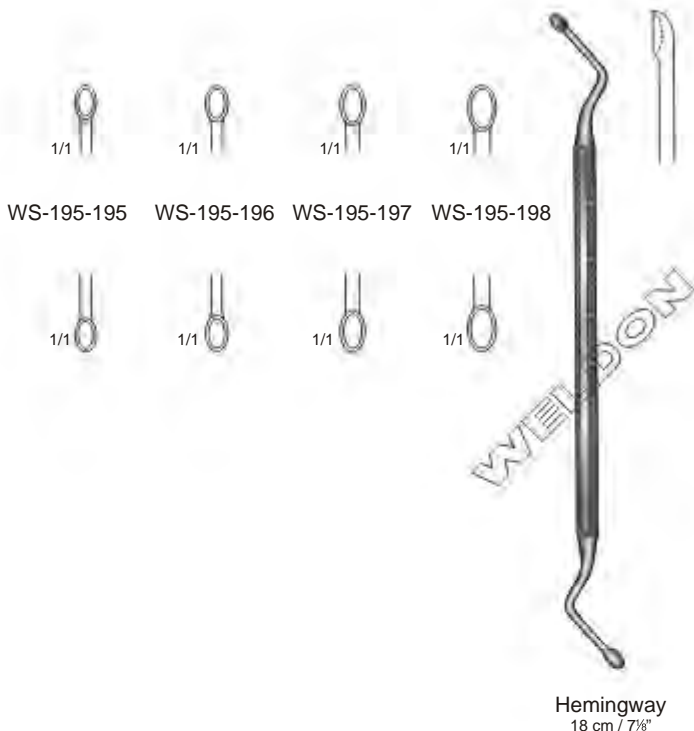
**Meyhoefer**  
 14 cm / 5½"

Bone Currettes And Hooks | Cucharllias Cortantes Y Ganchos | Scharfe Löffel, Knochenhaken

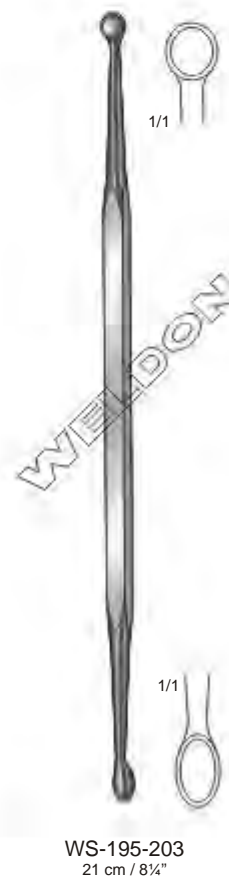


**Bone Curettes Double Ended | Cucharillas De Doble Extremo | Scharfe Doppellöfel**


Bone Curettes Double Ended | Cucharillas De Doble Extremo | Scharfe Doppellöfel



- WS-195-199 13 cm / 5", One Round And One Oval Cup, 10.5 mm And 6.3 x 6.8 mm
- WS-195-200 16.5 cm / 6 1/2", Two Oval Cups, 7.5 x 14 mm and 9 x 22 mm
- WS-195-201 16.5 cm / 6 1/2", One Round And One Oval Cup, 14 mm And 7 x 9 mm
- WS-195-202 20 cm / 8", One Round And One Oval Cup, 17.5 mm And 9 x 11 mm



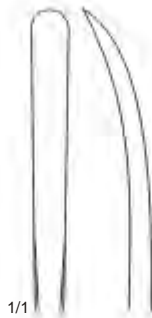
Periosteal Elevators | Periostotómos | Raspatorien



Cushing



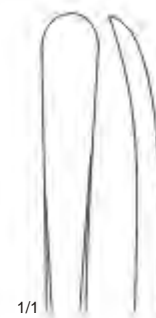
1/1  
4 mm  
WS-196-204  
17 cm / 6¾"



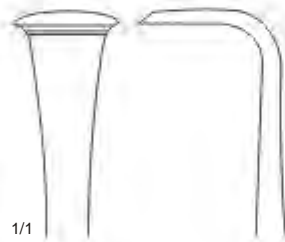
1/1  
6 mm  
WS-196-205  
17 cm / 6¾"



1/1  
5 mm  
WS-196-206  
19.5 cm / 7¾"



1/1  
7 mm  
WS-196-207  
19.5 cm / 7¾"



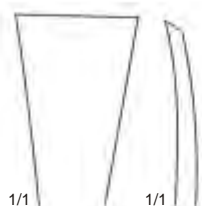
1/1  
Langenbeck  
WS-196-208  
18 cm / 7"



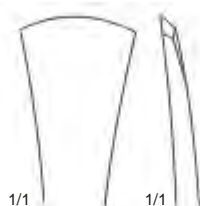
1/1  
Langenbeck  
WS-196-209  
19 cm / 7½"



Langenbeck  
Solid



16 mm  
WS-197-210  
19 cm / 7½"



16 mm  
WS-197-211  
19 cm / 7½"



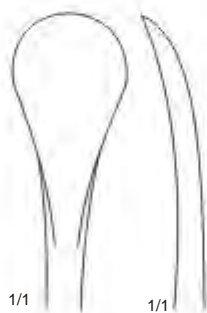
12 mm  
WS-197-212  
18.5 cm / 7¼"



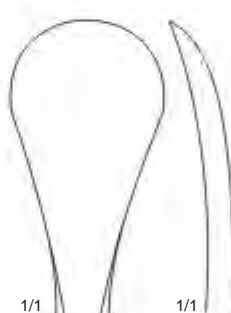
12 mm  
WS-197-213  
18 cm / 7"



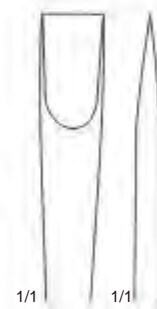
7 mm  
WS-197-214  
16 cm / 6¼"



15 mm  
WS-197-215  
18.5 cm / 7¼"



20 mm  
WS-197-216  
19 cm / 7½"



8 mm  
WS-197-217  
17 cm / 6¾"

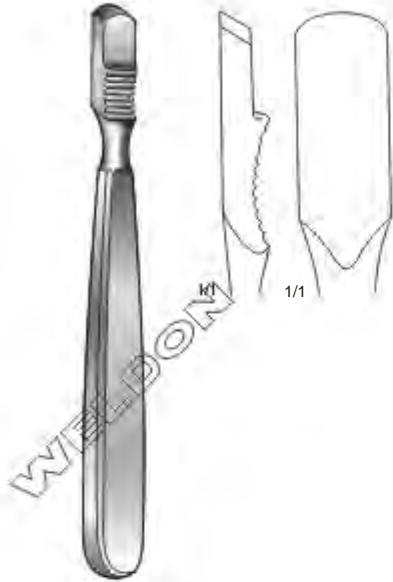


Hoehn  
Solid



Cushing  
Solid

Periosteal Elevators | Periostótomos | Raspatorien



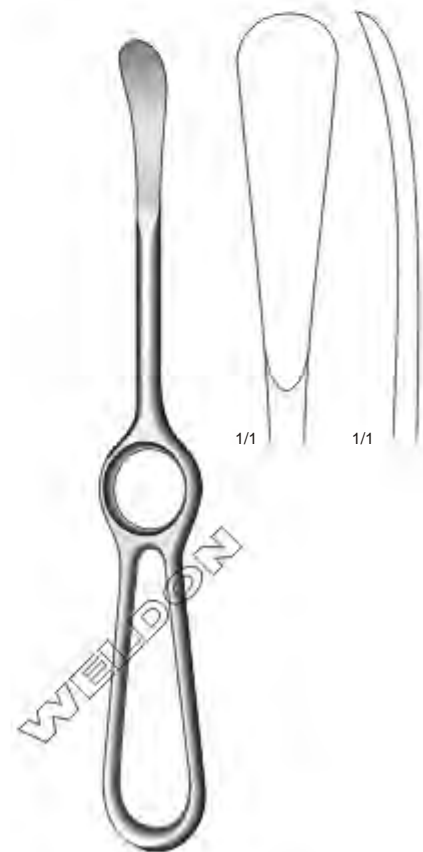
Farabeuf  
WS-198-218  
15 cm / 6"



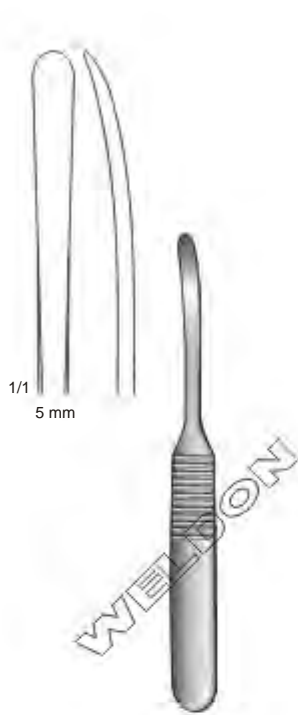
Farabeuf  
WS-198-219  
15 cm / 6"



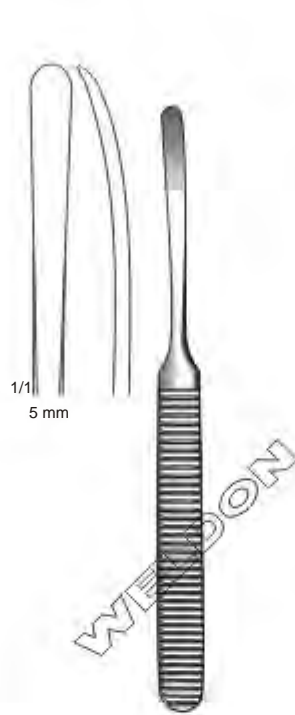
16 cm / 6 1/4"  
Delicate, Solid



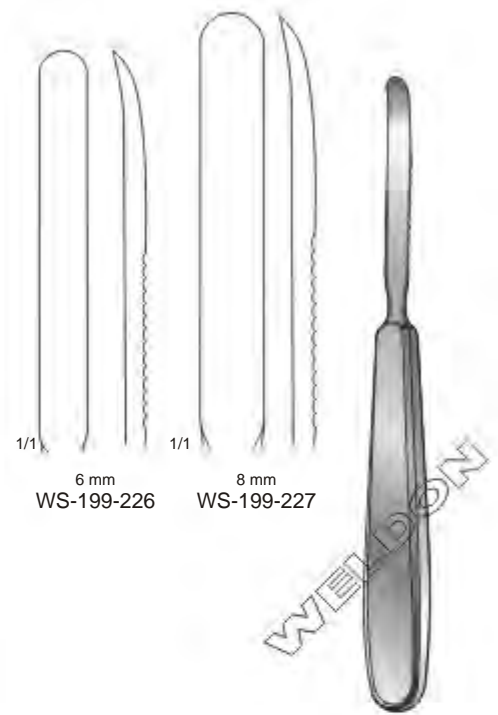
Sedillot  
WS-198-223  
21 cm / 8 1/4"



**Williger**  
**WS-199-224**  
 12.5 cm / 5"  
 Solid

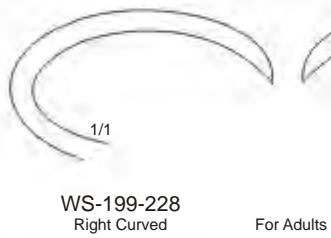


**Williger**  
**WS-199-225**  
 16 cm / 6¼"  
 Solid

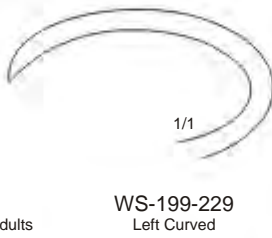


1/1 6 mm WS-199-226  
 1/1 8 mm WS-199-227

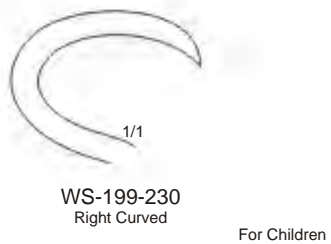
With Hollow Handle  
 17 cm / 6¾"



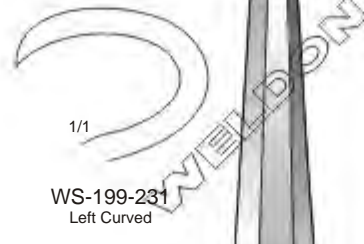
**WS-199-228**  
 Right Curved  
 For Adults



**WS-199-229**  
 Left Curved



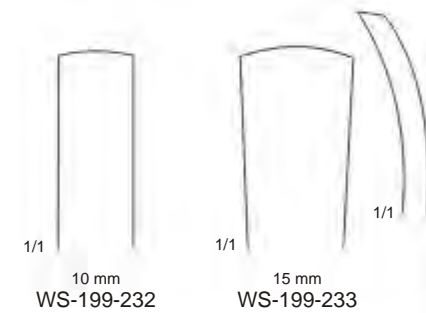
**WS-199-230**  
 Right Curved  
 For Children



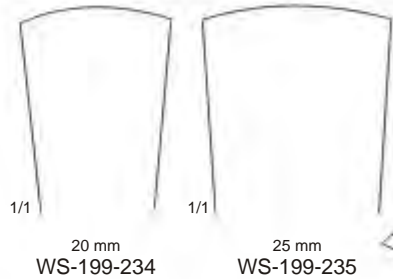
**WS-199-231**  
 Left Curved



**Doyen**  
 17.5 cm / 7"  
 Rib Raspatories  
 With Hollow Handle



1/1 10 mm WS-199-232  
 1/1 15 mm WS-199-233



1/1 20 mm WS-199-234  
 1/1 25 mm WS-199-235



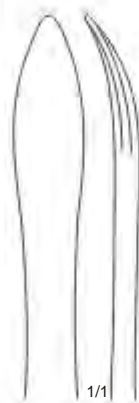
**Lambotte**  
 21.5 cm / 8½"



Elevators | Elevadores | Elevatorien



WS-200-236



WS-200-237

Langenbeck  
20 cm / 8"



5 mm  
WS-200-238  
17 cm / 6 3/4"



7 mm  
WS-200-239  
17 cm / 6 3/4"



8 mm  
WS-200-240  
20 cm / 8"



10 mm  
WS-200-241  
20 cm / 8"

Langenbeck



7 mm



5.5 mm

Williger  
WS-200-242  
17 cm / 6 3/4"

Williger  
WS-200-243  
16 cm / 6 3/4"



1/1

WS-200-244  
17.5 cm / 6 3/4"  
Extremely Lightweight



1/1

Micro Elevator  
WS-200-245  
16 cm / 6 3/4"



Key  
19 cm / 7½"



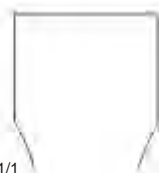
1/1

6 mm  
WS-201-246



1/1

12 mm  
WS-201-247



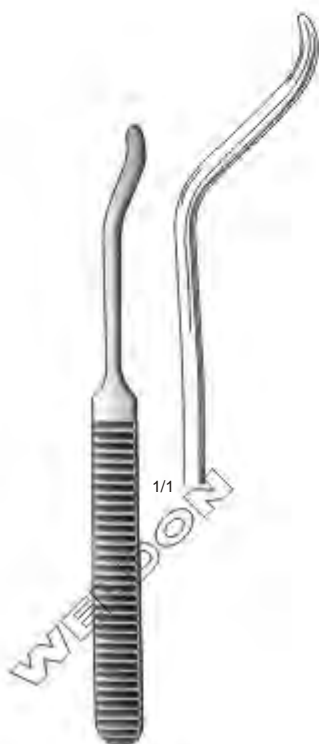
1/1

19 mm  
WS-201-248



1/1

25 mm  
WS-201-249



Phalangeal  
WS-201-250  
16 cm / 6¼"



Alderdyce  
WS-201-251  
21 cm / 8¼"



McDonald  
WS-201-252  
19 cm / 7½"

Raspatories | Legras | Raspatorien



Semb  
WS-202-253  
17.5 cm / 7"

Semb  
WS-202-254  
21 cm / 8 1/4"

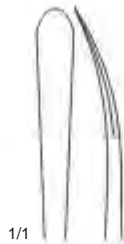
Semb  
WS-202-255  
17.5 cm / 7"

Semb  
WS-202-256  
21 cm / 8 1/4"

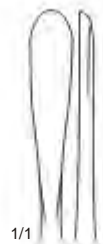
Semb  
WS-202-257  
20.5 / cm 8"



WS-203-258



WS-203-259



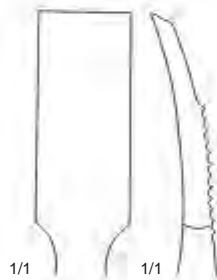
WS-203-260



WS-203-261



Adson  
17 cm / 6 3/4"



Alexander  
WS-203-262  
20 cm / 8"



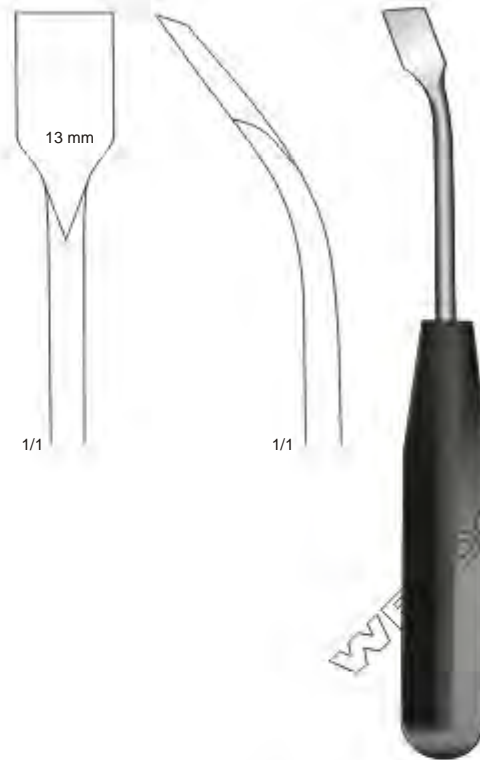
Matson  
WS-203-263  
22 cm / 8 3/4"



Raspatories | Legras | Raspatorien



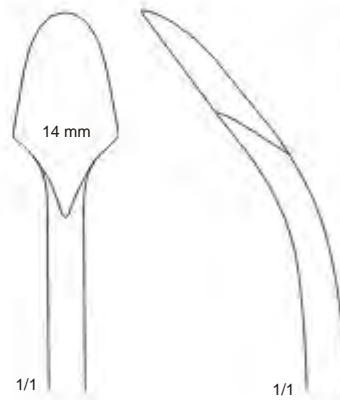
WS-204-001  
20 cm / 8"



WS-204-002  
20 cm / 8"

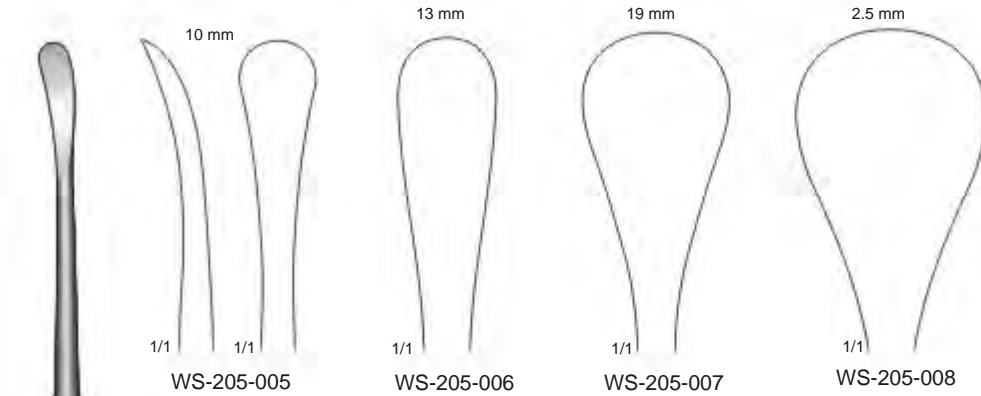


WS-204-003  
20 cm / 8"

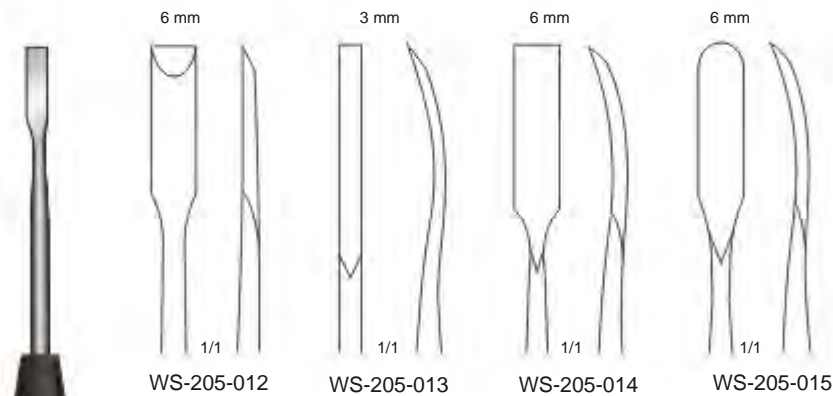
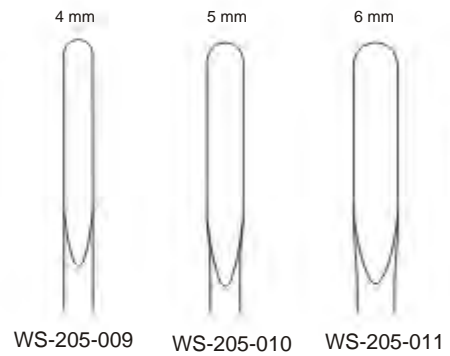


WS-204-004  
20 cm / 8"

Plastic Handle - Autoclavable Up To 134°C



Cobb  
25 cm / 10"



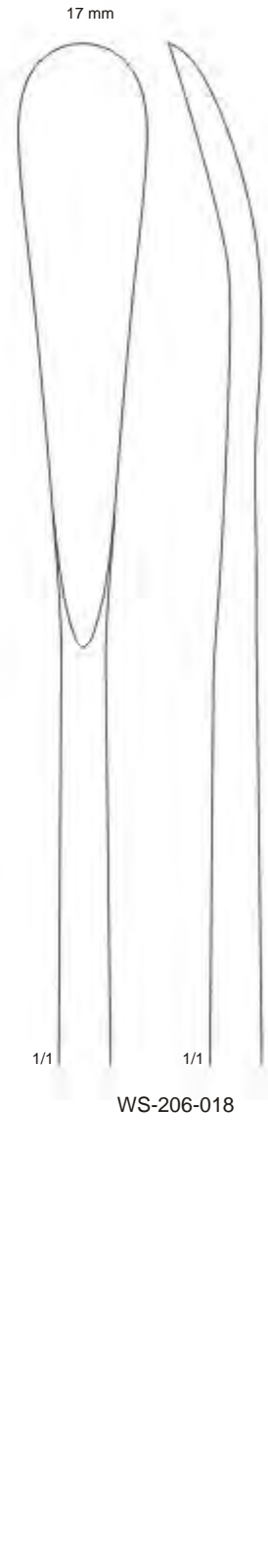
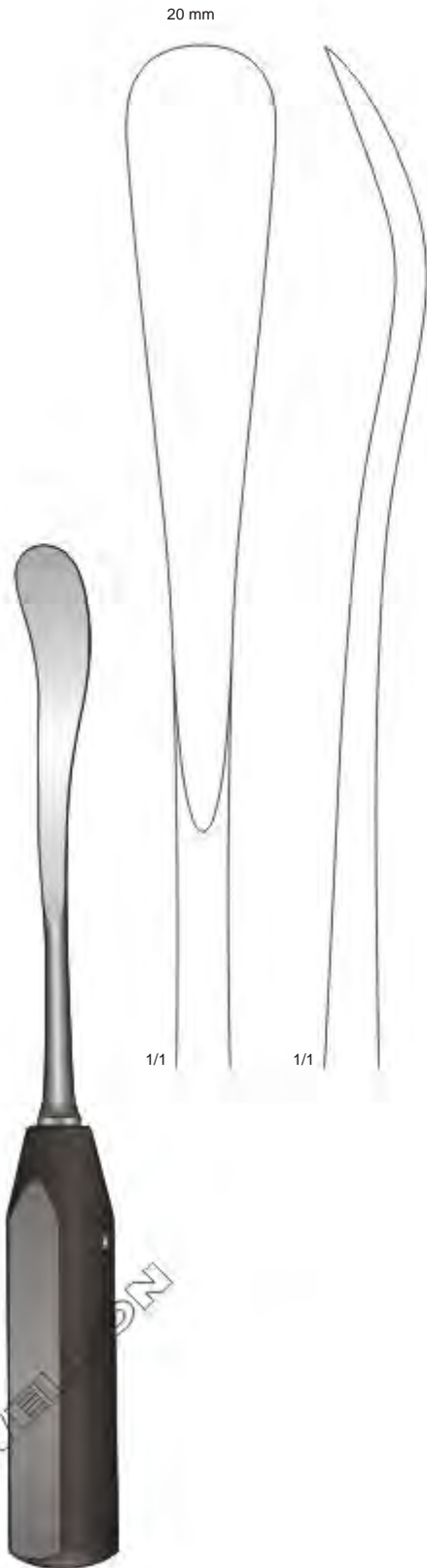
18.5 cm / 7 1/4"

Plastic Handle - Autoclavable Up To 134°C

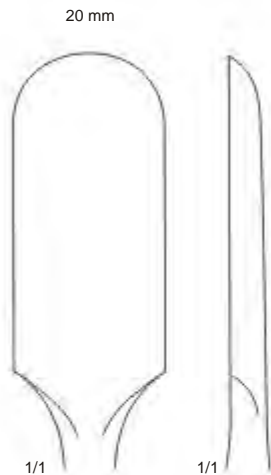


30 cm / 11 1/4"

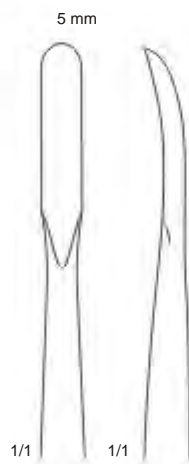
Raspatories | Legras | Raspatorien



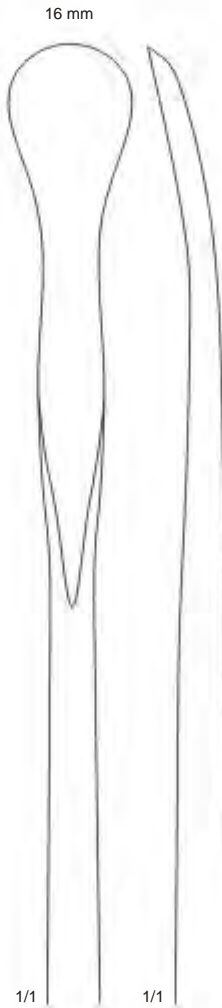
Plastic Handle - Autoclavable Up To 134°C



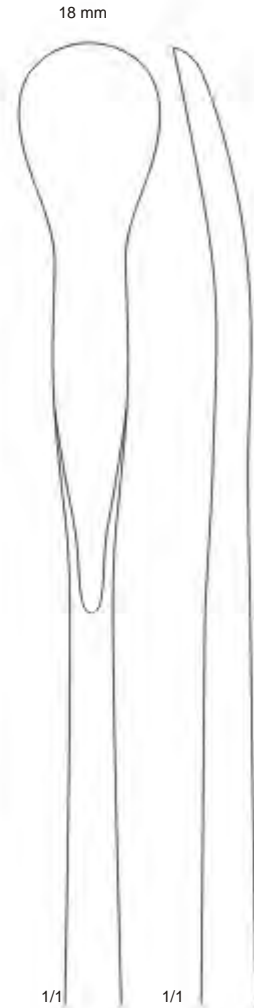
WS-207-019



WS-207-020



WS-207-021



WS-207-022



20 cm / 8"

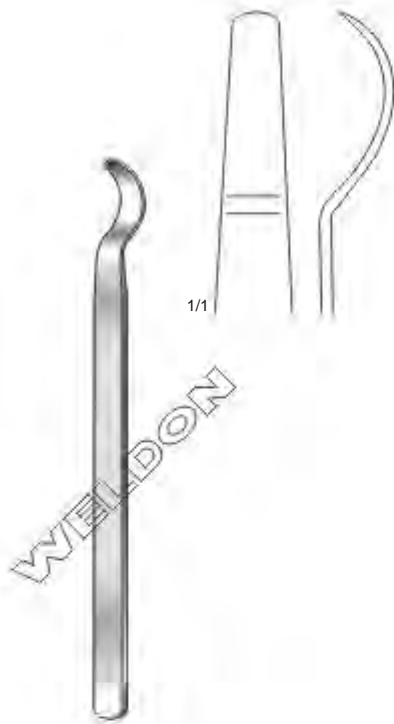


30 cm / 11 3/4"

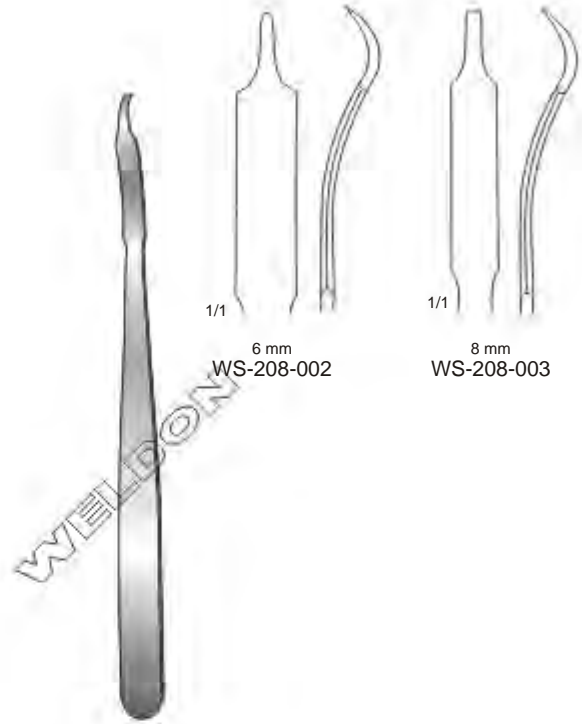
Plastic Handle - Autoclavable Up To 134°C



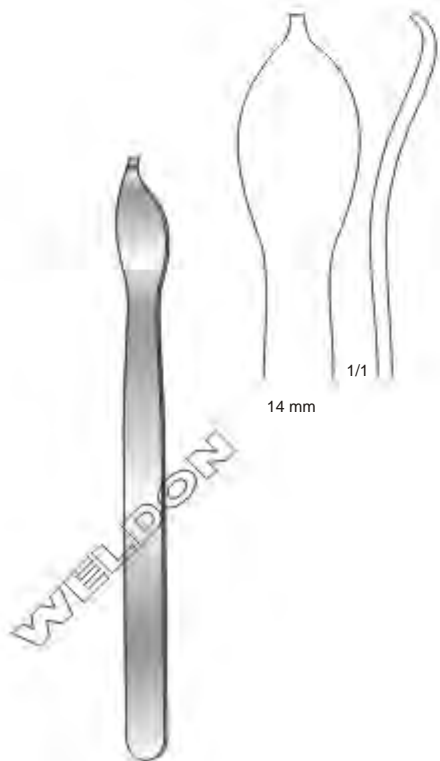
Bone Levers | Elevadores Para Hueso | Knochenhebel



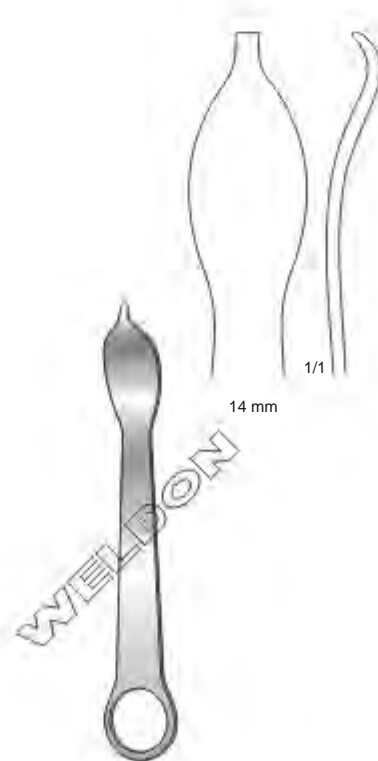
WS-208-001  
14 cm / 5½"



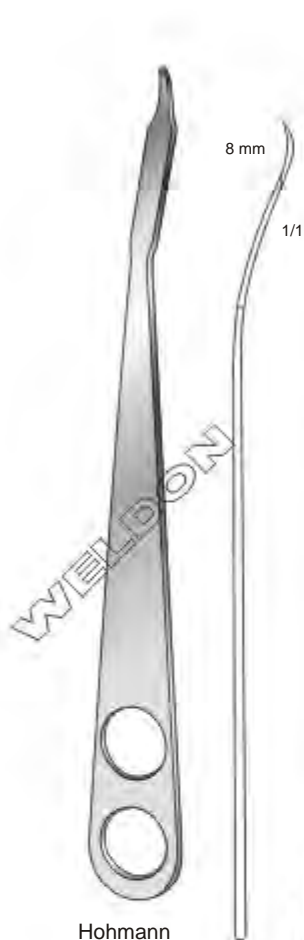
Hohmann-Mini  
16 cm / 6¼"



WS-208-004  
16 cm / 6¼"



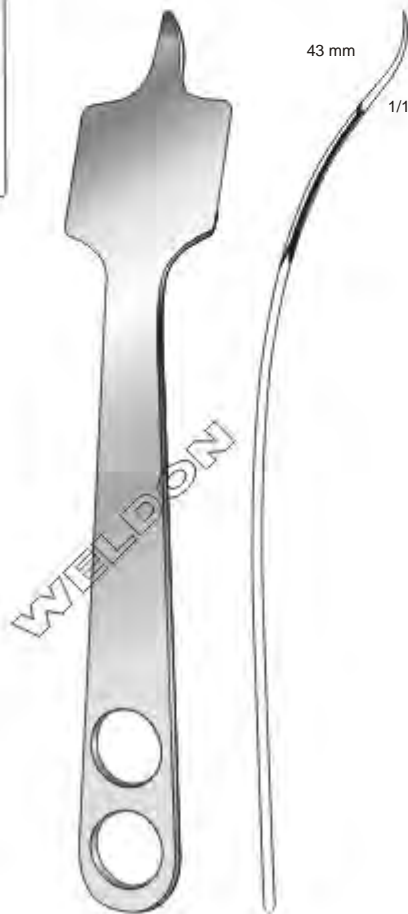
WS-208-005  
12 cm / 4¾"



Hohmann  
WS-209-006  
22 cm / 8 3/4"



Hohmann  
WS-209-007  
23.5 cm / 9 1/4"

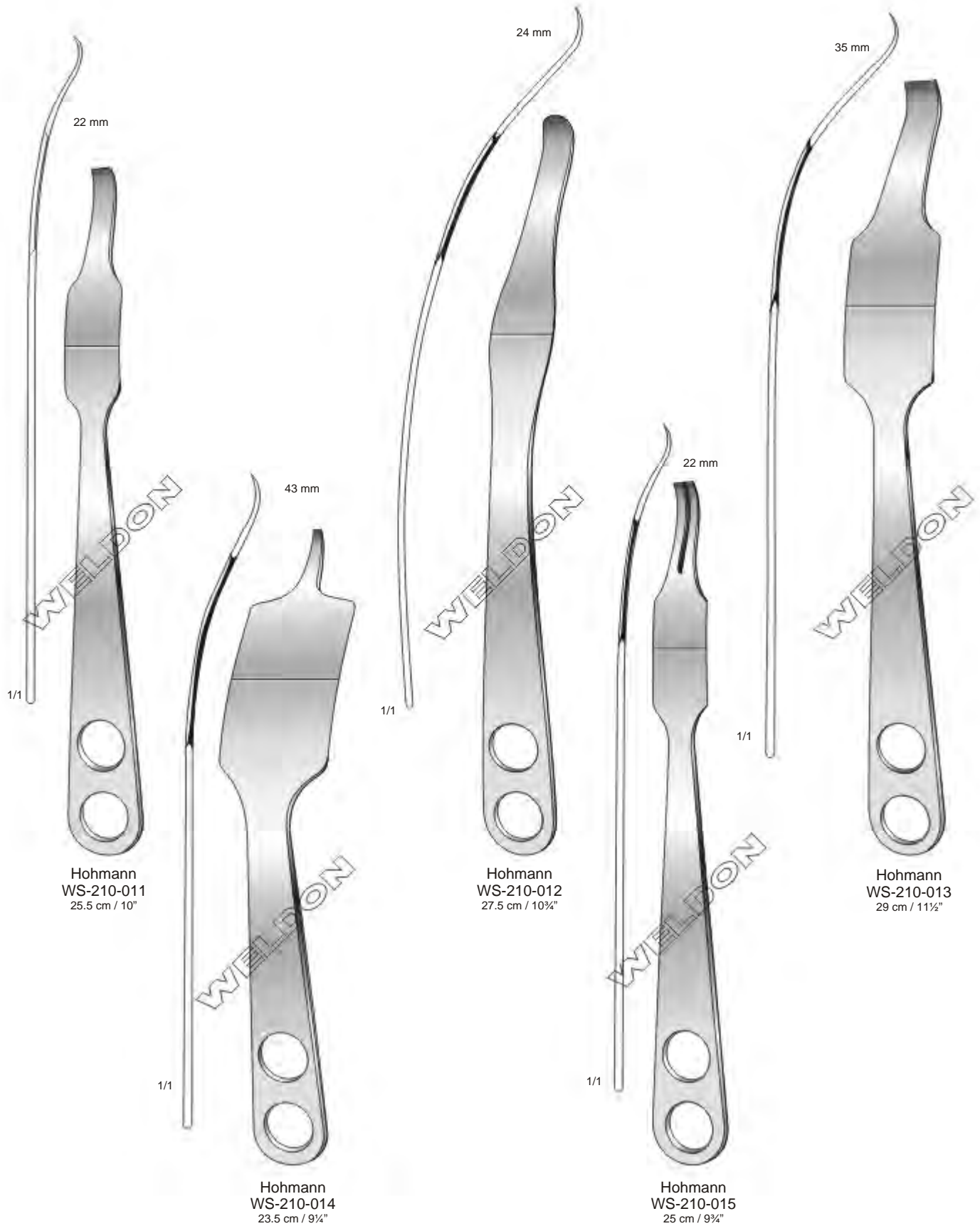


Hohmann  
WS-209-008 38 mm  
WS-209-009 43 mm  
23.5 cm / 9 1/4"



Hohmann  
WS-209-010  
25 cm / 9 3/4"

Bone Levers | Elevadores Para Hueso | Knochenhebel





**Bennett**  
 WS-211-016 43 mm  
 WS-211-017 60 mm  
 24 cm / 9½"



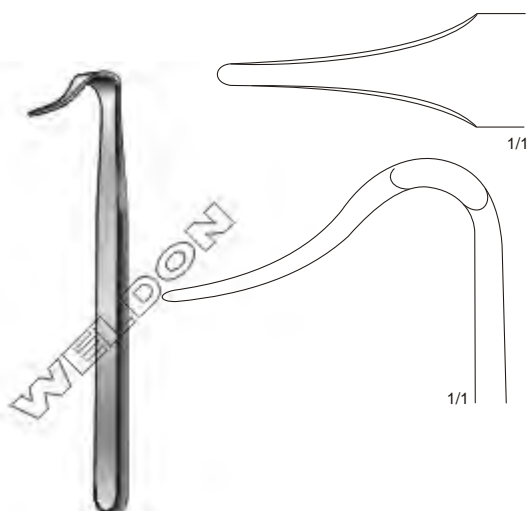
**Blount**  
 WS-211-018  
 26 cm / 10¼"



**Blount**  
 WS-211-019  
 26 cm / 10¼"



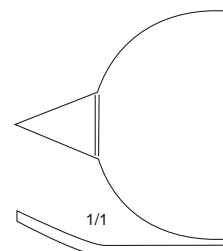
**Hibbs**  
 WS-211-019A 23 x 25 mm  
 WS-211-019B 20 x 50 mm  
 WS-211-019C 25 x 75 mm  
 23.5 cm / 9¼"



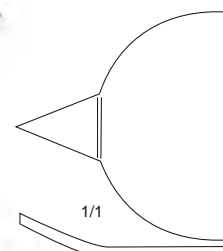
**Blount**  
 WS-211-020  
 17.5 cm / 7"  
 Knee Retractors



**Taylor**  
 Pointed End Retractors  
 16.5 cm / 6½"

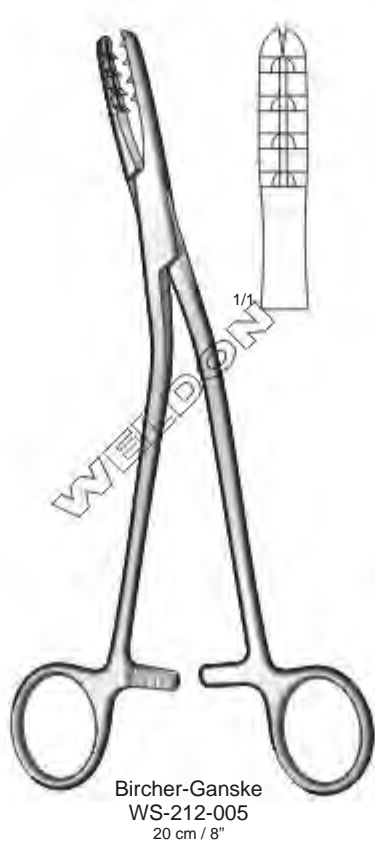
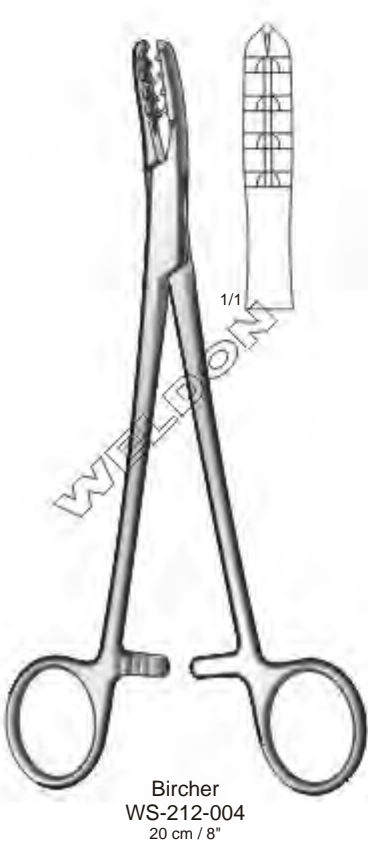
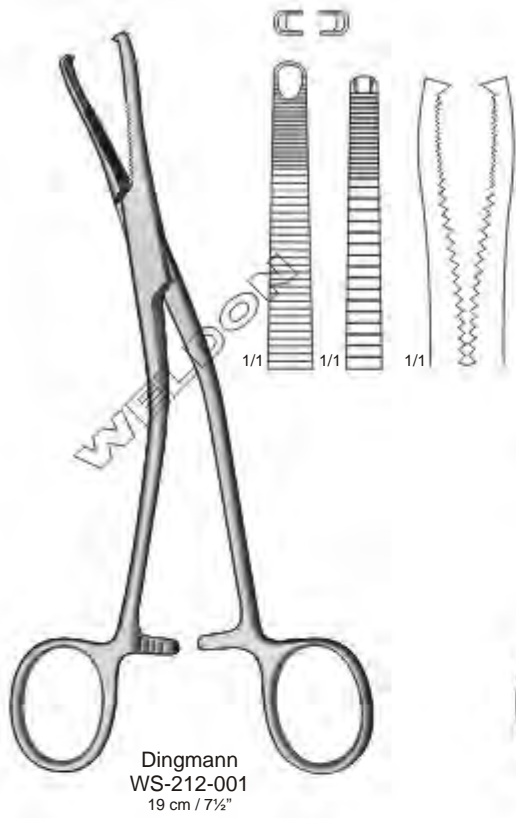


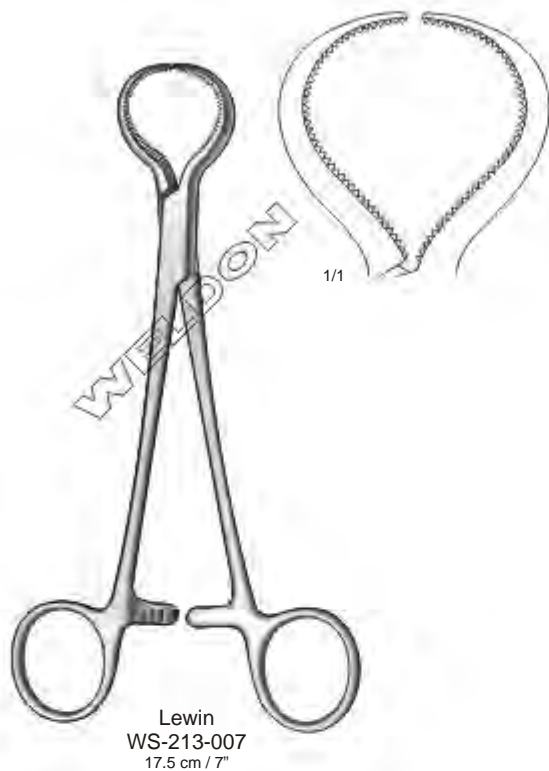
WS-211-021  
 100 x 30 mm

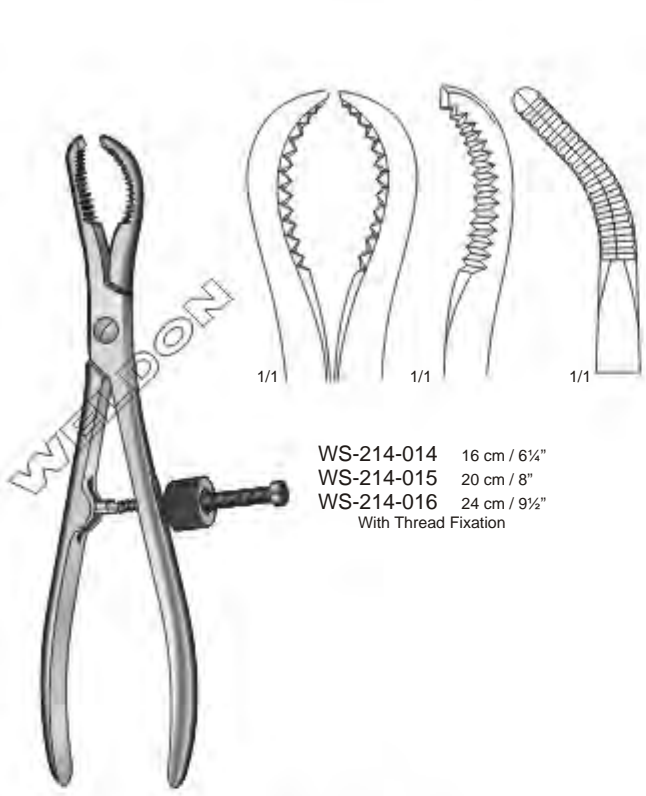


WS-211-022  
 75 x 30 mm

Cartilage Seizing Forceps | Pinzas Para Cartilago | Knorpelfasszangen



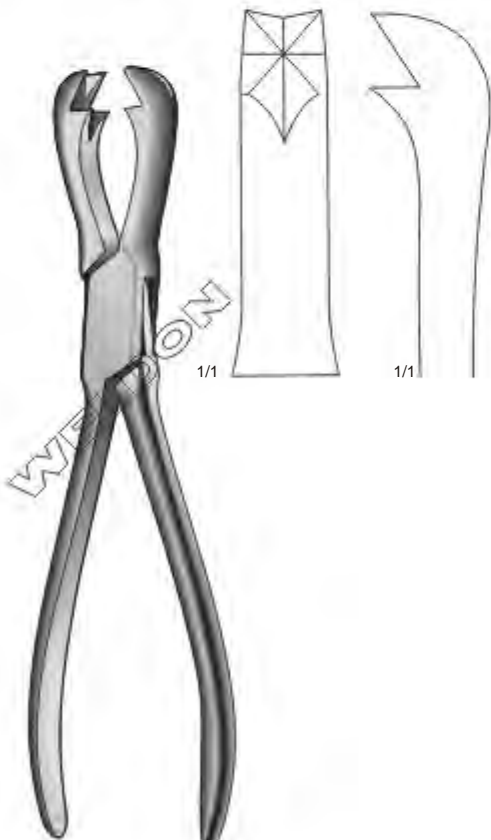


**Bone Holding Forceps | Pinzas Para Hueso | Knochenhaltezangen**


WS-214-014 16 cm / 6¼"  
 WS-214-015 20 cm / 8"  
 WS-214-016 24 cm / 9½"  
 With Thread Fixation



Langenbeck  
 WS-214-017  
 21 cm / 8¼"



Fergusson  
 WS-214-018  
 21 cm / 8¼"  
 Heavy Pattern

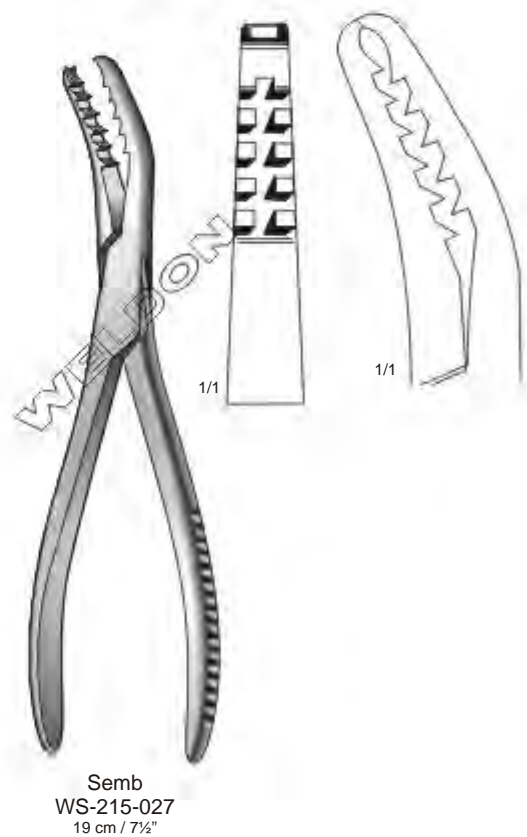
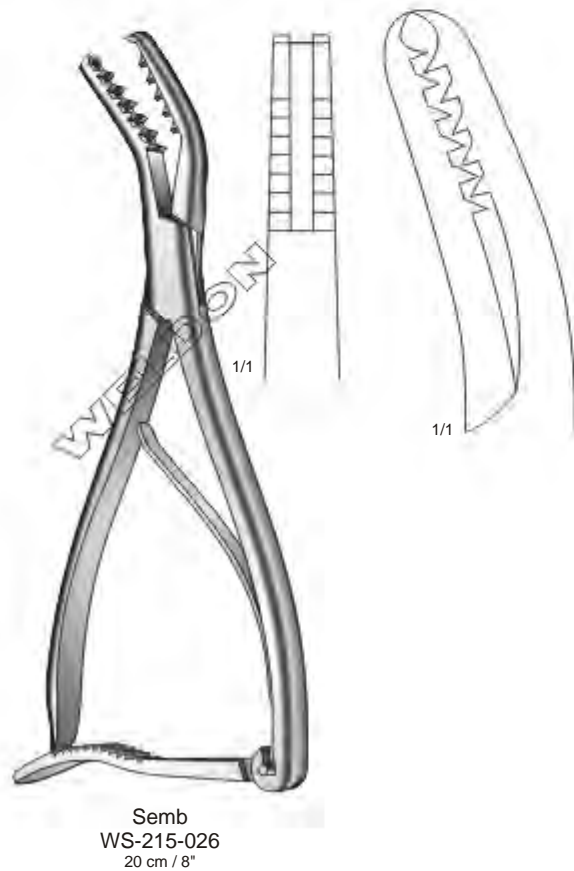
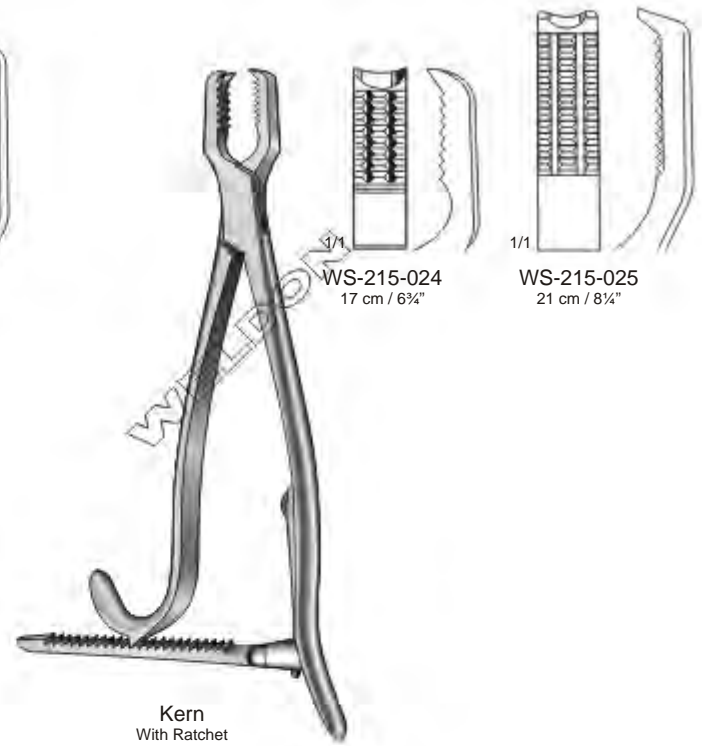
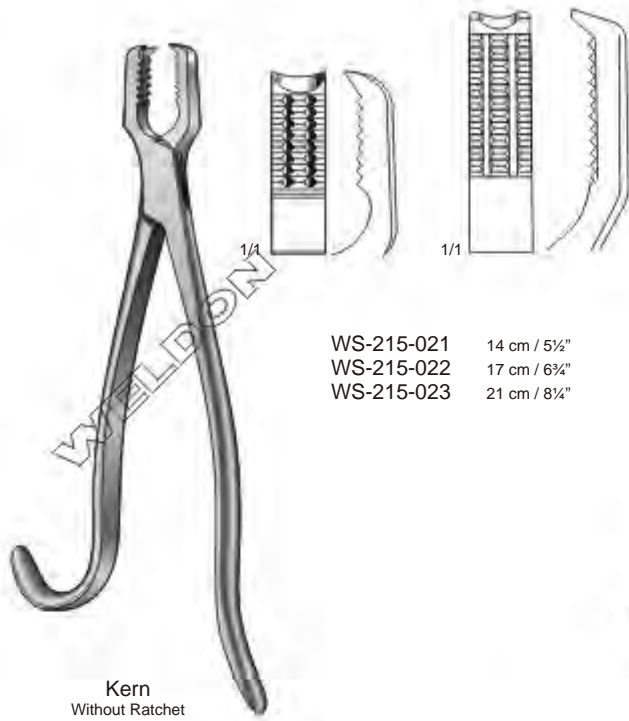


Frosch  
 WS-214-019  
 18 cm / 7"



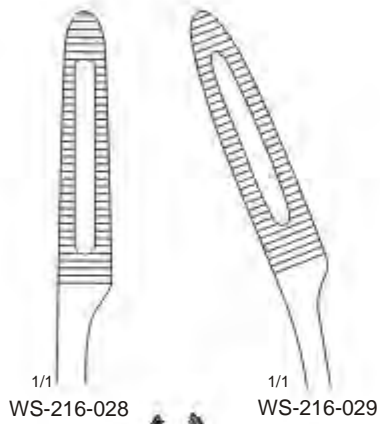
WS-214-020  
 20 cm / 8"

Bone Holding Forceps | Pinzas Para Hueso | Knochenhaltezangen





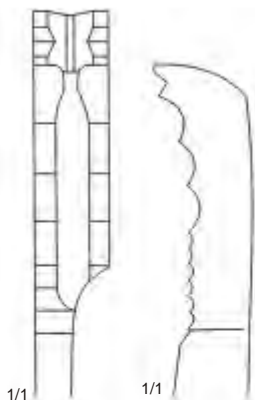
Bone Holding Forceps | Pinzas Para Hueso | Knochenhaltezangen



Sequestrum Forceps  
20 cm / 8"

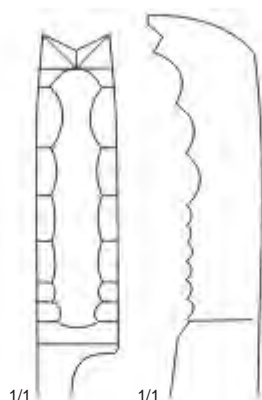


Van Buren  
WS-216-030  
Sequestrum Forceps  
23 cm / 9"



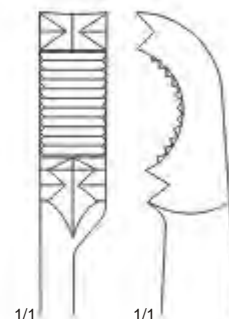
1/1

1/1



1/1

1/1

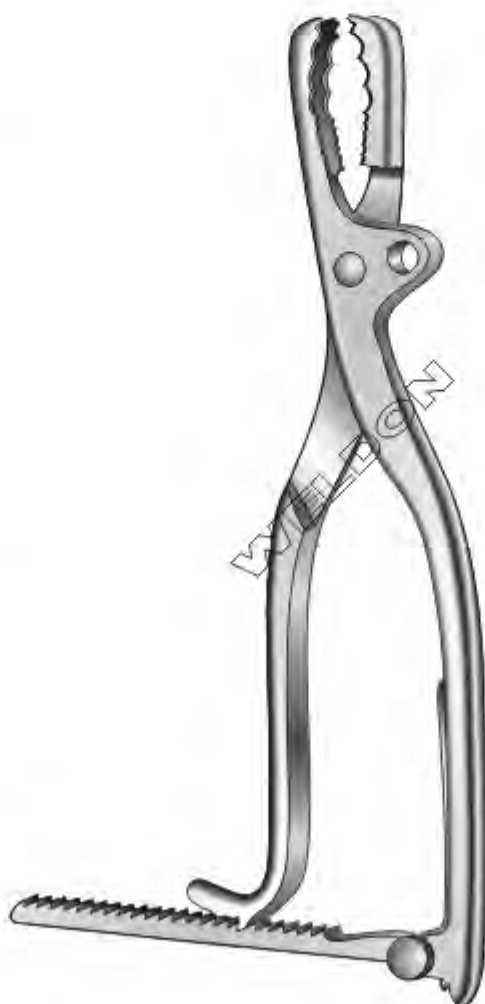


1/1

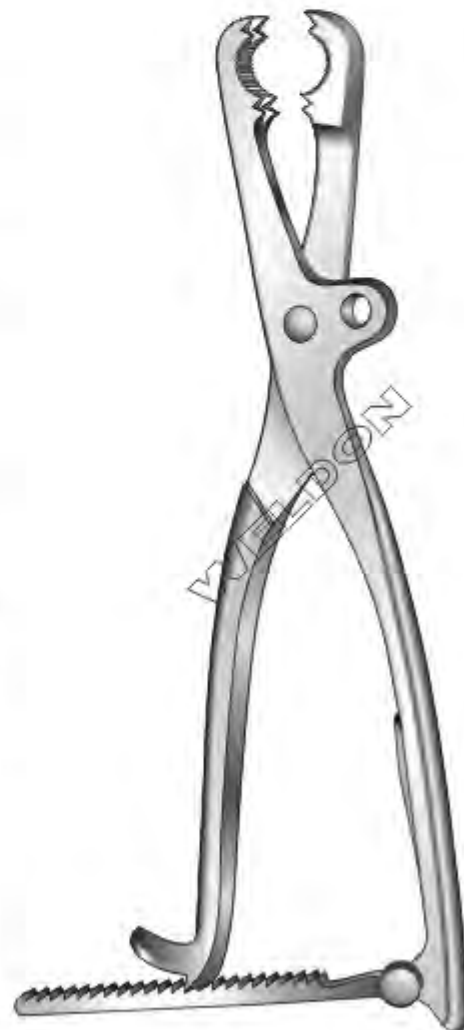
1/1



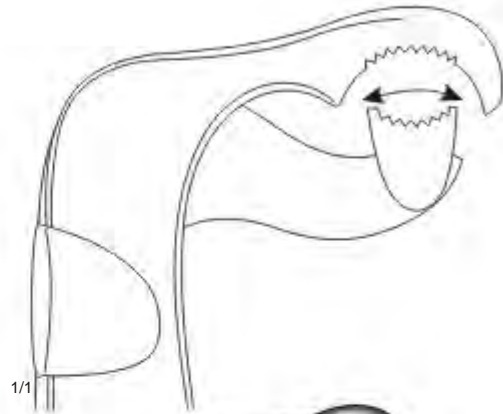
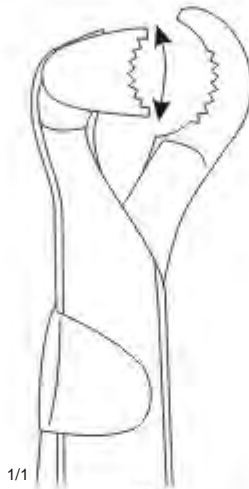
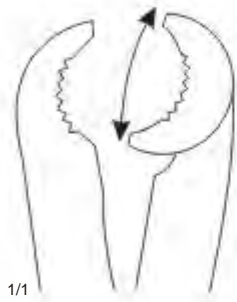
Farabeuf  
 WS-217-031 23 cm / 9"  
 WS-217-032 26 cm / 10¼"



Farabeuf-Lambotte  
 WS-217-033  
 26 cm / 10¼"



Tuffier  
 WS-217-034  
 27 cm / 10½"

**Bone Holding Forceps | Pinzas Para Hueso | Knochenhaltezangen**


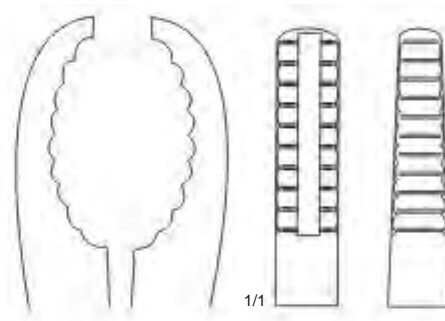
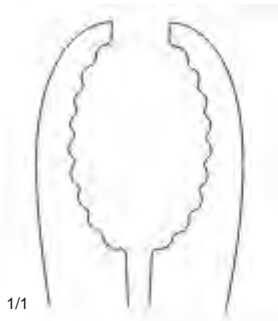
**Lambotte**  
 WS-218-035 22 cm / 8 $\frac{3}{4}$ "  
 WS-218-036 27 cm / 10 $\frac{1}{2}$ "  
 WS-218-037 30 cm / 12"  
 One Jaw Movable



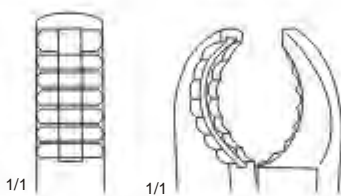
**Lambotte**  
 WS-218-038 22 cm / 8 $\frac{3}{4}$ "  
 WS-218-039 26 cm / 10 $\frac{1}{4}$ "  
 WS-218-040 33 cm / 13"  
 One Jaw Movable



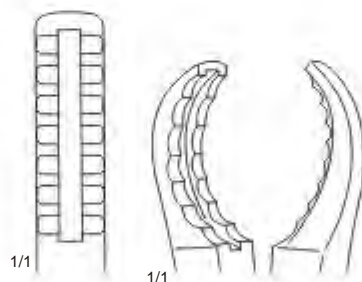
**Lambotte**  
 WS-218-041 19 cm / 7 $\frac{1}{2}$ "  
 WS-218-042 23 cm / 9"  
 WS-218-043 26 cm / 10 $\frac{1}{4}$ "  
 One Jaw Movable



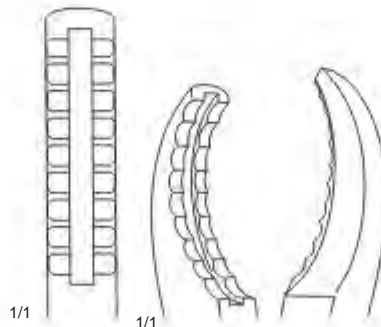
Ulrich  
With Thread Fixation  
Straight



WS-219-044  
23 cm / 9"



WS-219-045  
25 cm / 10"



WS-219-046  
28 cm / 11"



Ulrich  
WS-219-047  
28 cm / 11"  
With Thread Fixation  
Angled

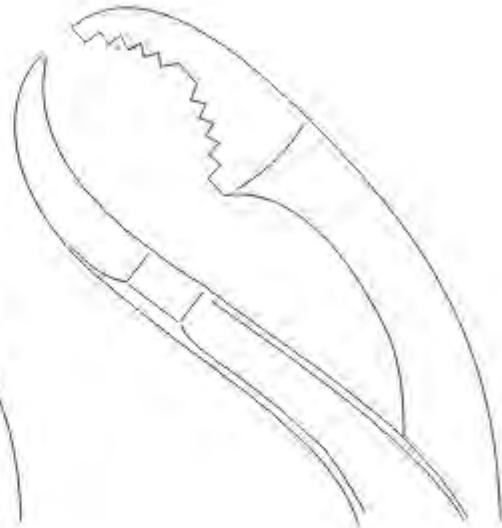
Bone Holding Forceps | Pinzas Para Hueso | Knochenhaltezangen



1/1  
WS-220-050  
24 cm / 9½"



1/1  
WS-220-051  
26 cm / 10¼"



1/1  
WS-220-052  
28 cm / 11"



1/1  
WS-220-048  
15 cm / 6"



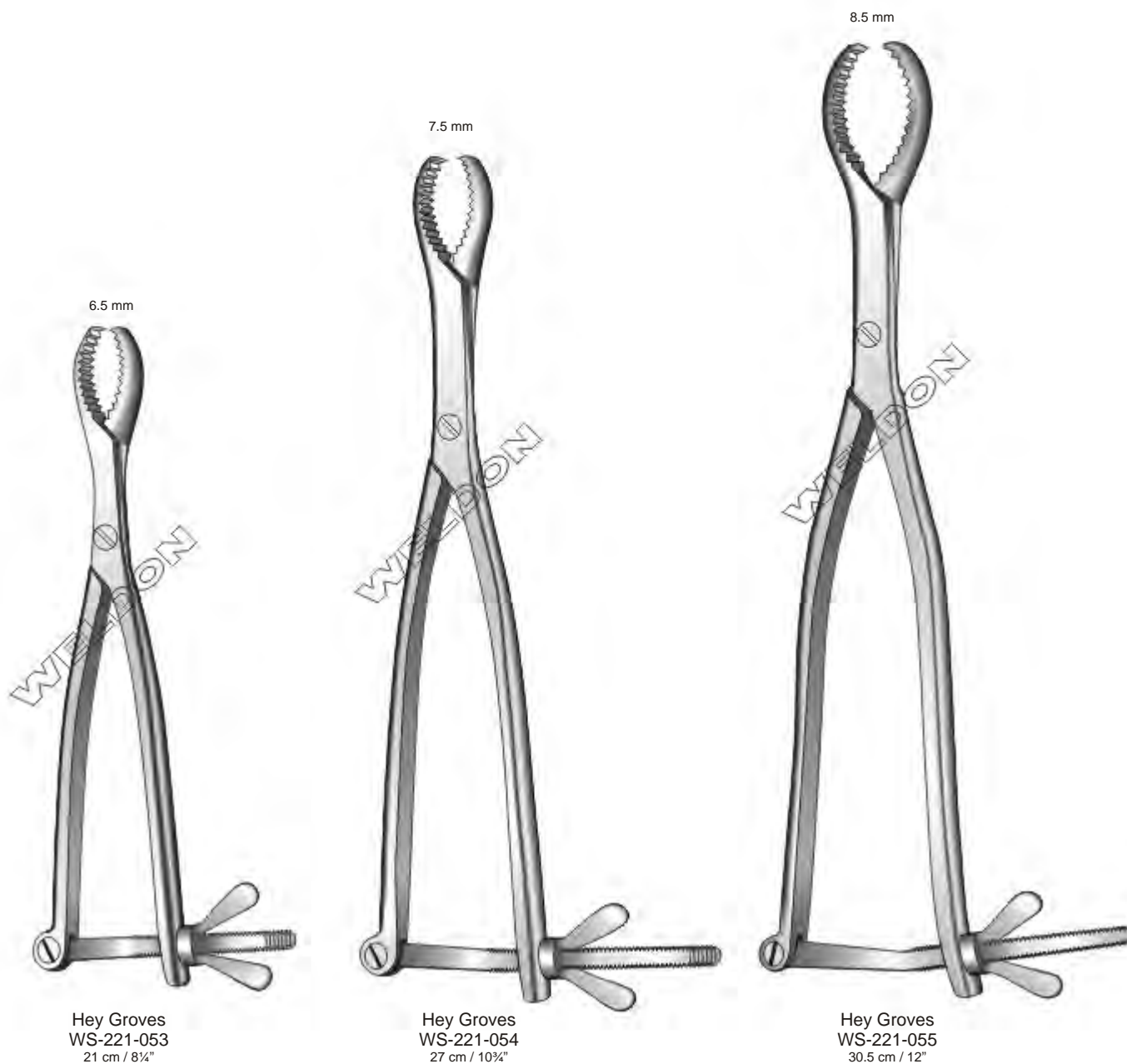
1/1  
WS-220-049  
19 cm / 7½"



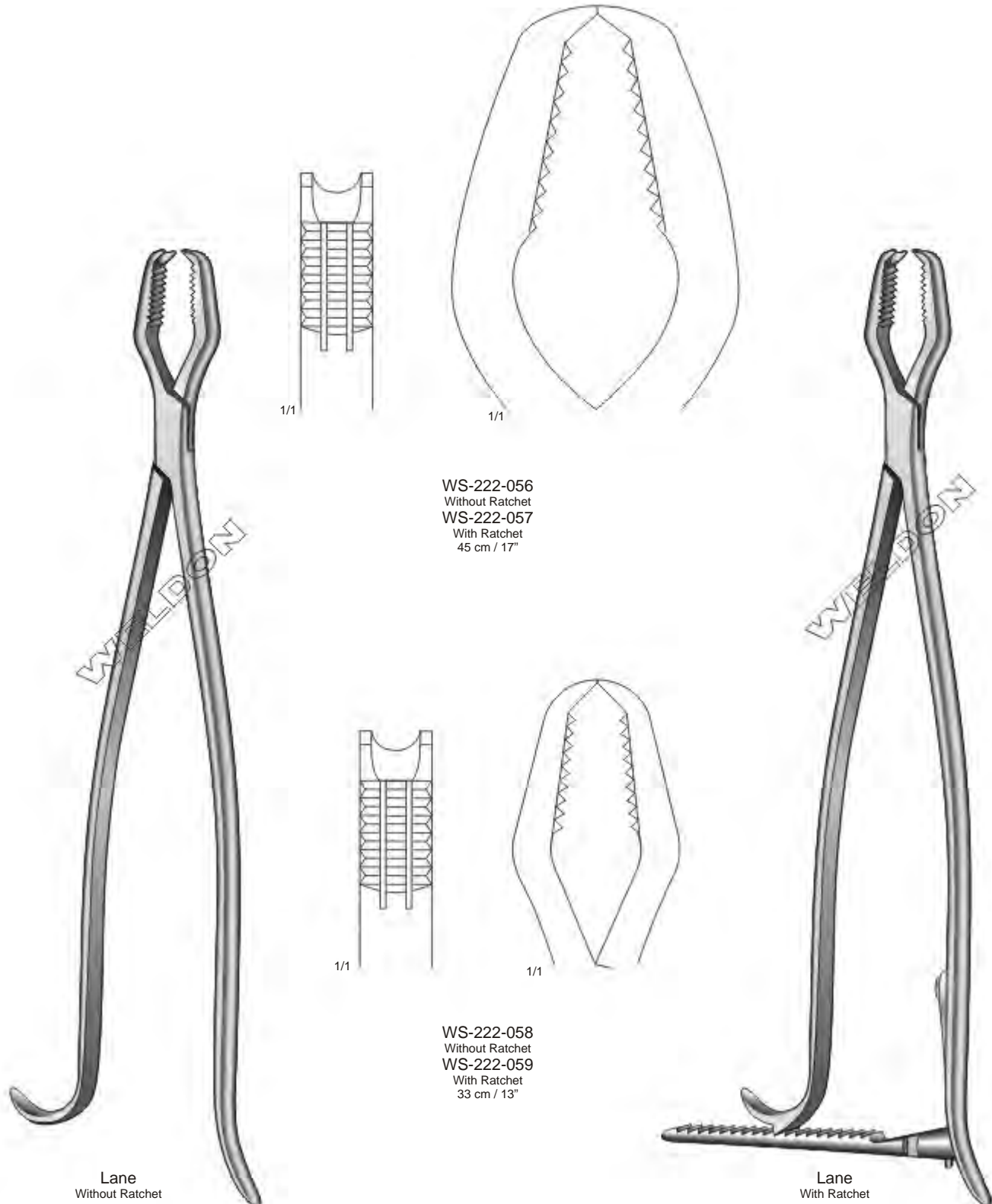
1/1

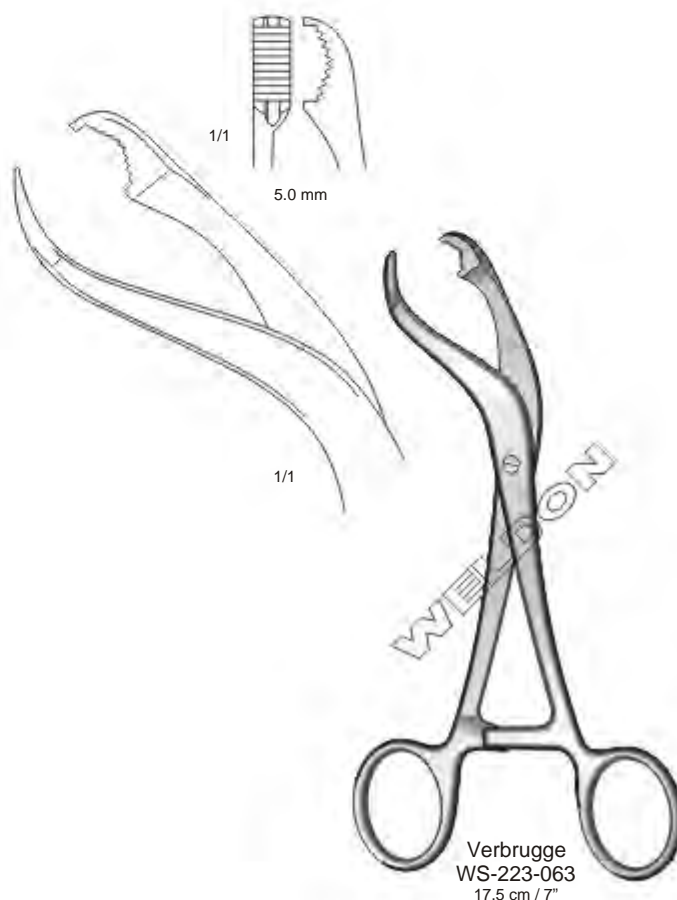
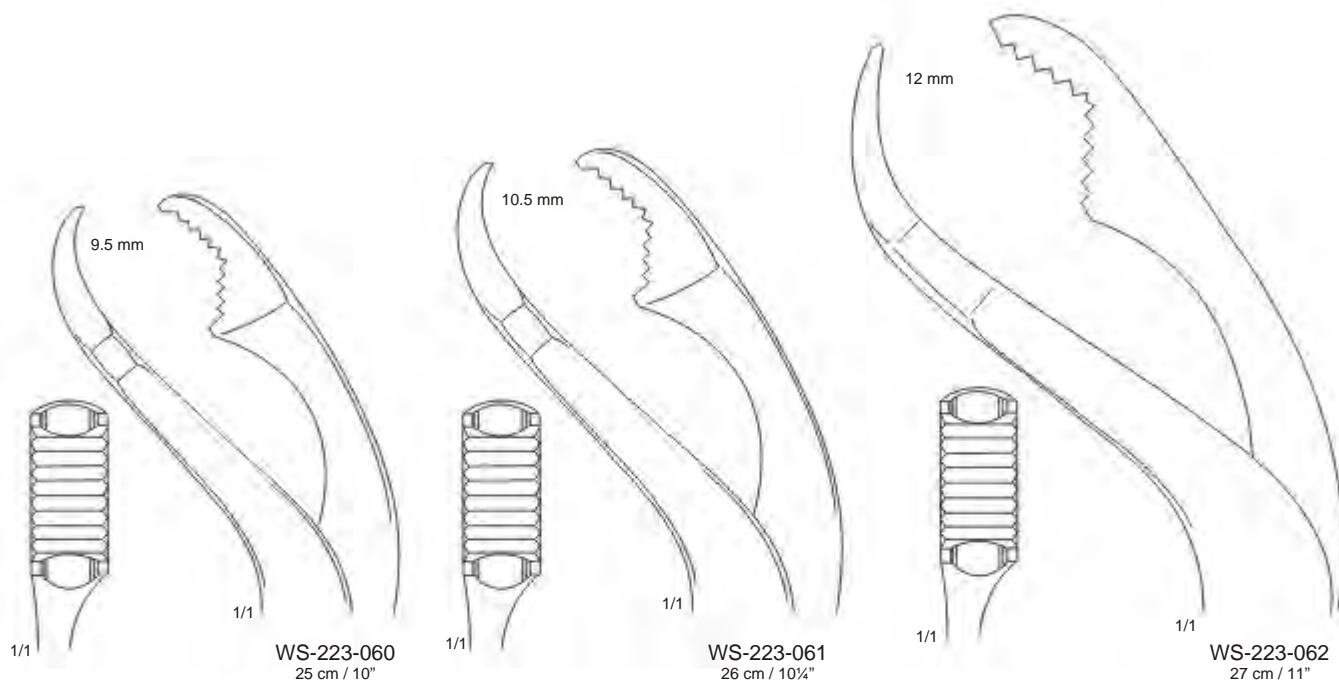


Self-Centering  
With Thread Fixation



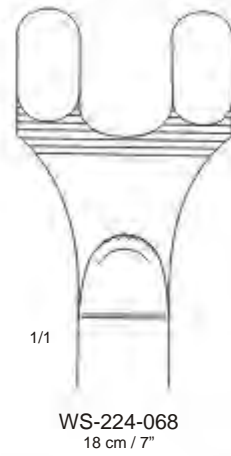
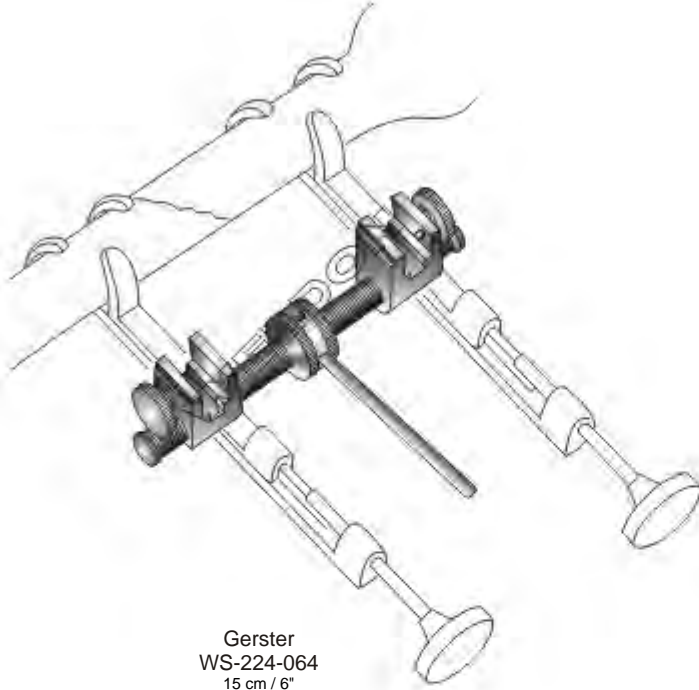
Bone Holding Forceps | Pinzas Para Hueso | Knochenhaltezangen



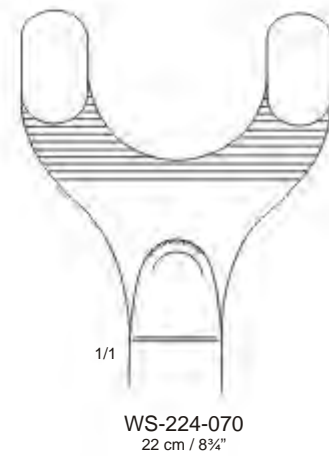
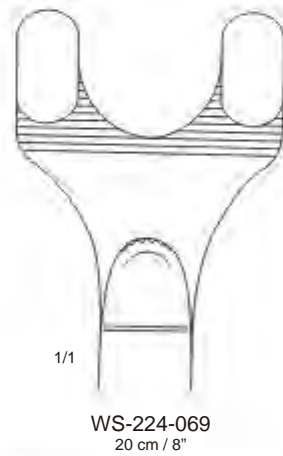


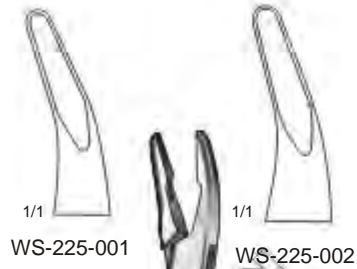


Bone Holding Clamps | Grapas Porta-Huesos | Knochenhaltezangen

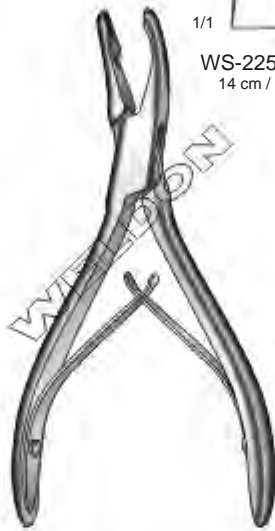
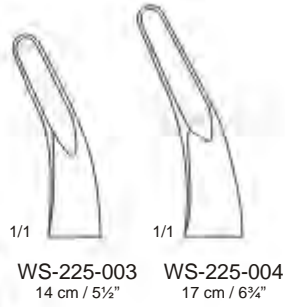


Lowmann  
WS-224-065 9 cm / 3 1/2"  
WS-224-066 13.5 cm / 5 1/4"  
WS-224-067 15 cm / 6"

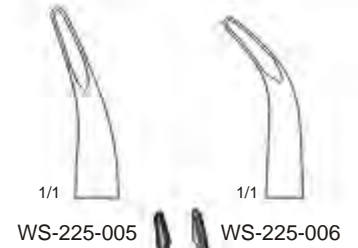




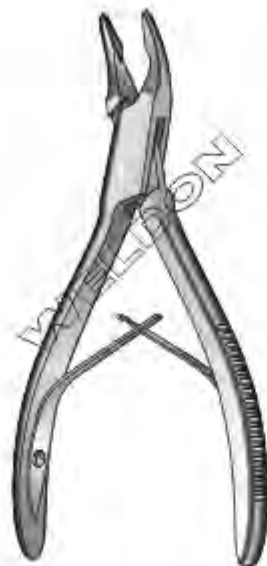
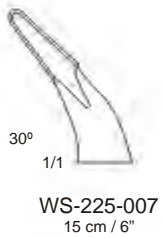
Mead  
14 cm / 5 1/2"



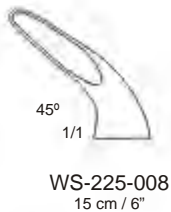
Mead



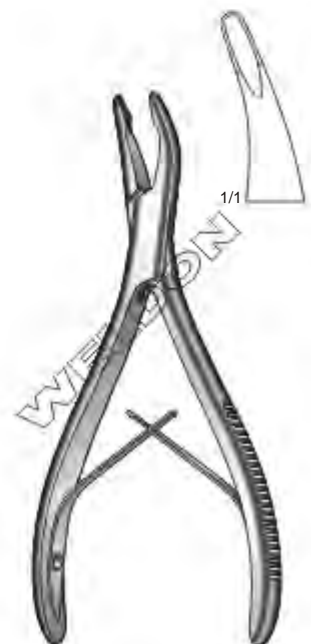
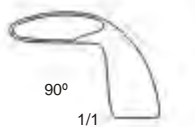
Kleinert-Kutz  
14 cm / 5 1/2"



Blumenthal

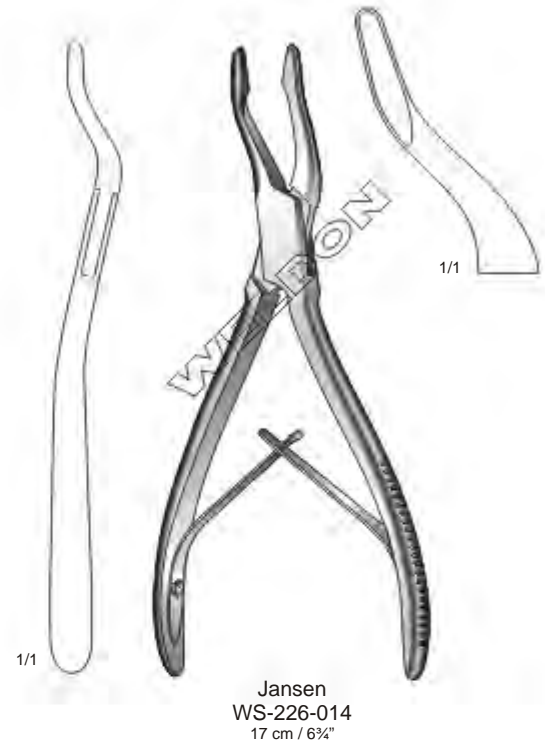
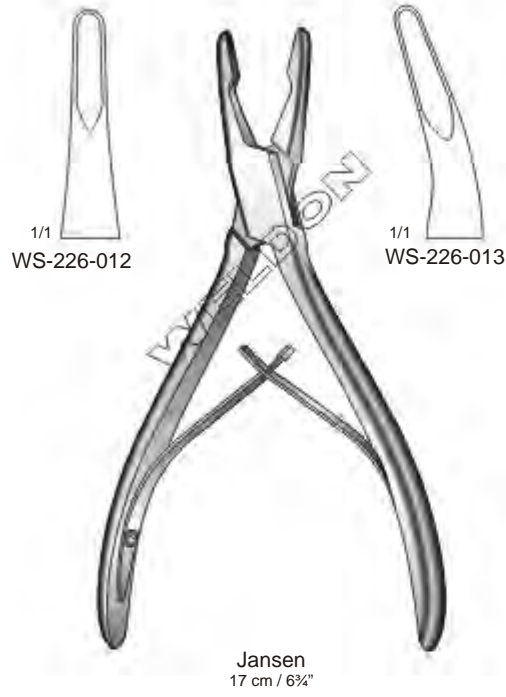


Mini-Friedmann  
WS-225-010  
13 cm / 5"



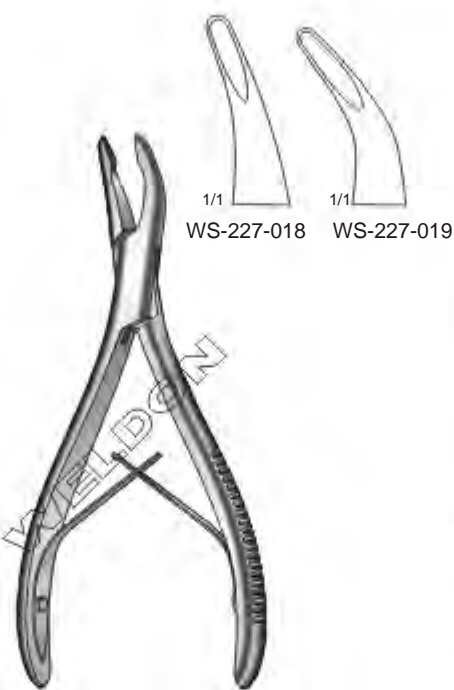
Friedmann  
WS-225-011  
14 cm / 5"

Bone Rongeurs | Pinzas Gubias | Hohlmeißelzangen



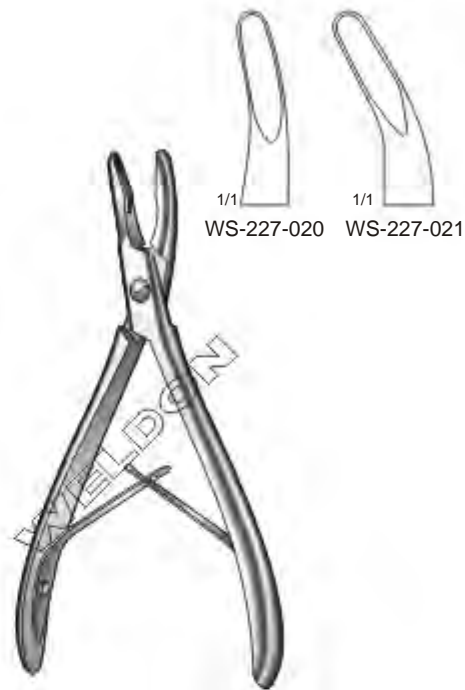


Cleveland  
WS-227-017  
14 cm / 5½"



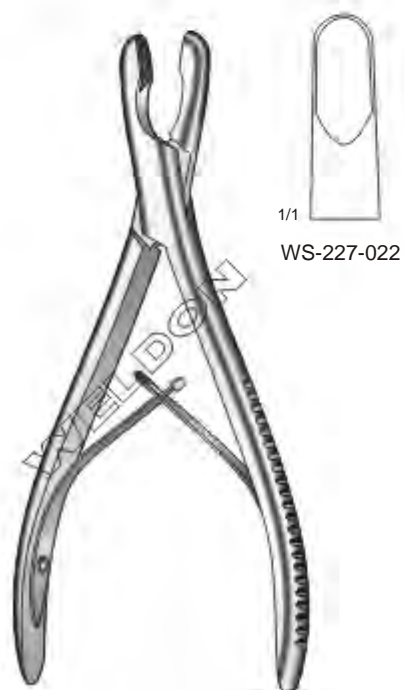
1/1 1/1  
WS-227-018 WS-227-019

14 cm / 5½"



1/1 1/1  
WS-227-020 WS-227-021

Luer  
15 cm / 6"

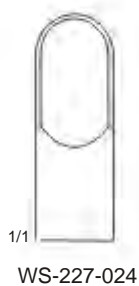


1/1  
WS-227-022

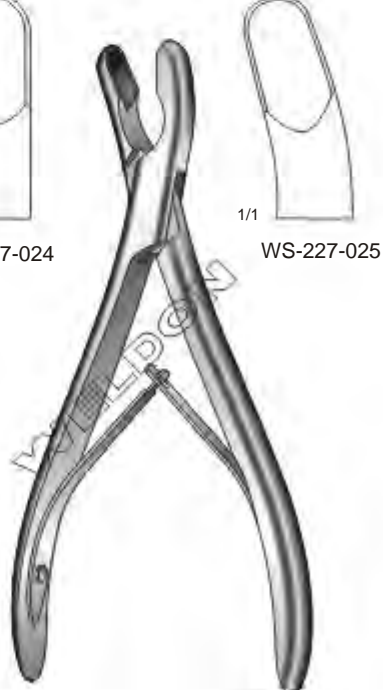
Luer  
17 cm / 6¾"



1/1  
WS-227-023



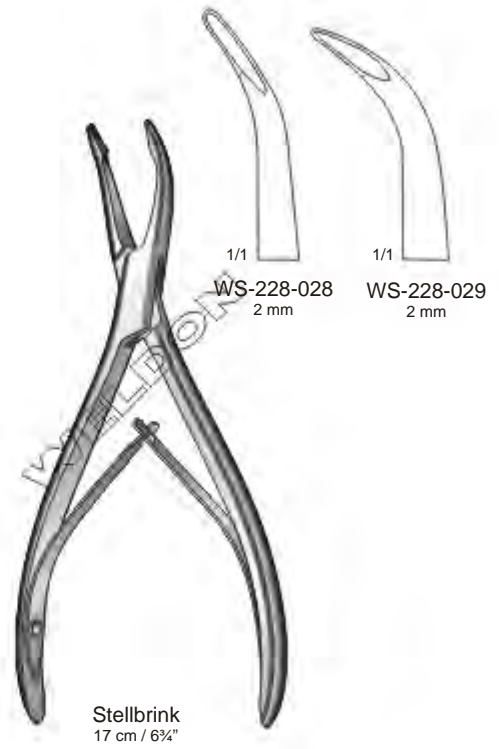
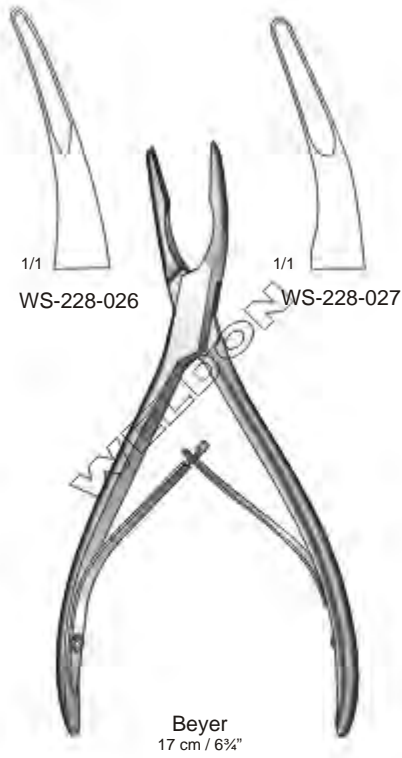
1/1  
WS-227-024

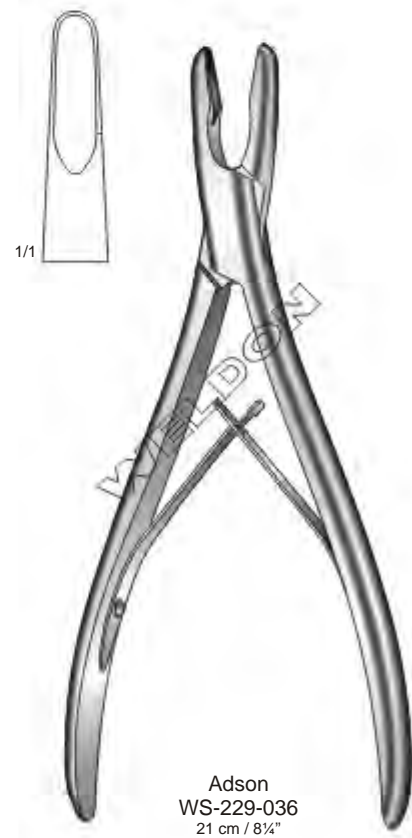
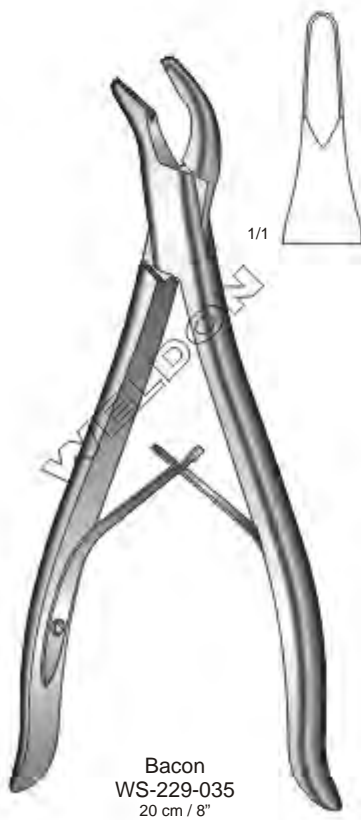
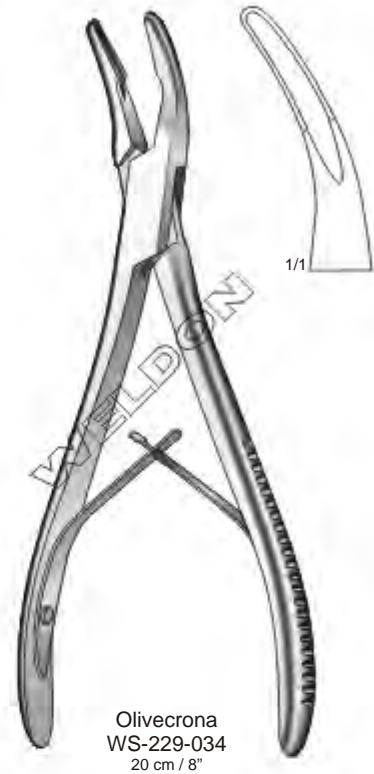
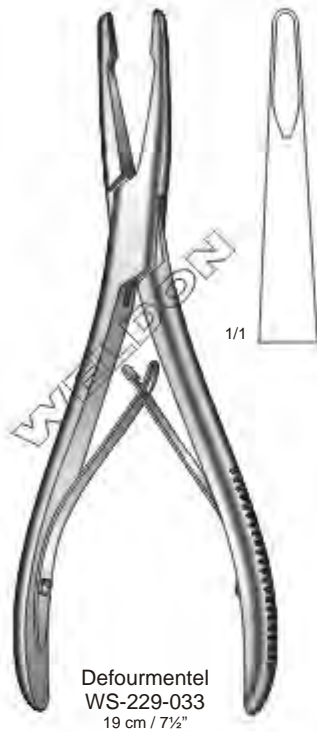


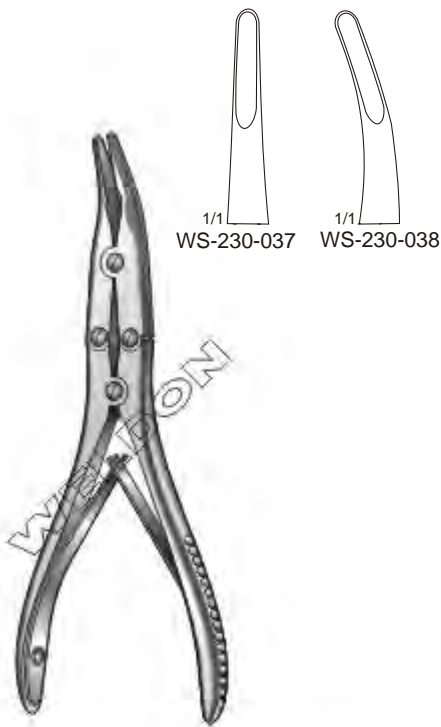
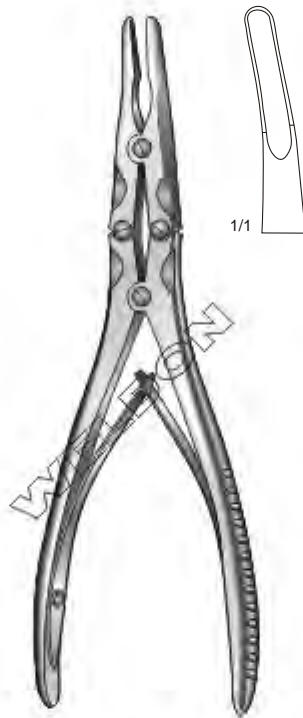
1/1  
WS-227-025

Luer  
18 cm / 7½"

Bone Rongeurs | Pinzas Gubias | Hohlmeißelzangen

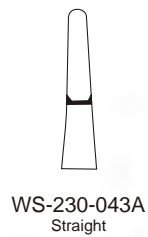
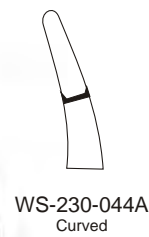


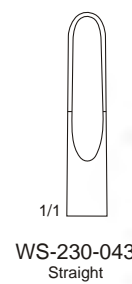
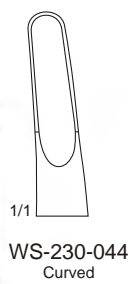


**Bone Rongeurs | Pinzas Gubias | Hohlmeißelzangen**

**Böhler**  
 15.5 cm / 6"

**Beyer**  
 WS-230-039  
 18 cm / 7"

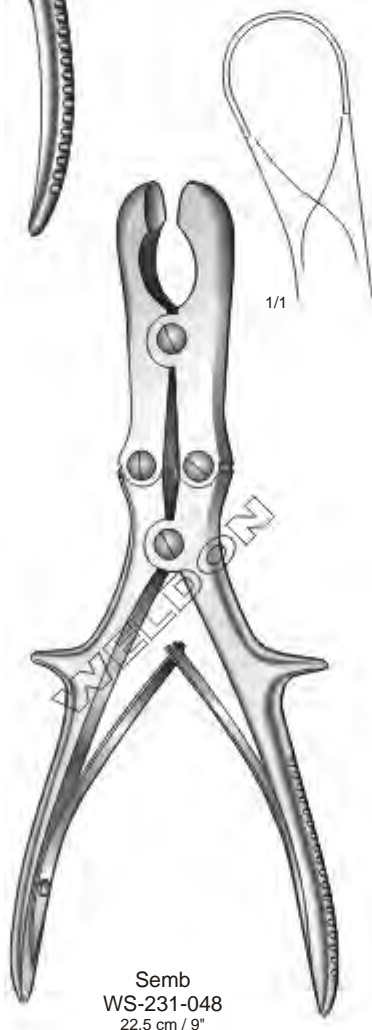
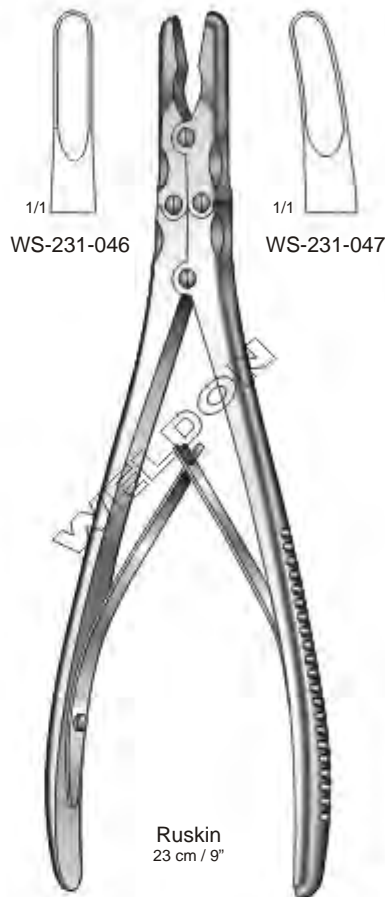
**Zaufal-Jansen**  
 WS-230-040  
 18 cm / 7"

**Mayfield**  
 WS-230-041  
 17 cm / 6 3/4"

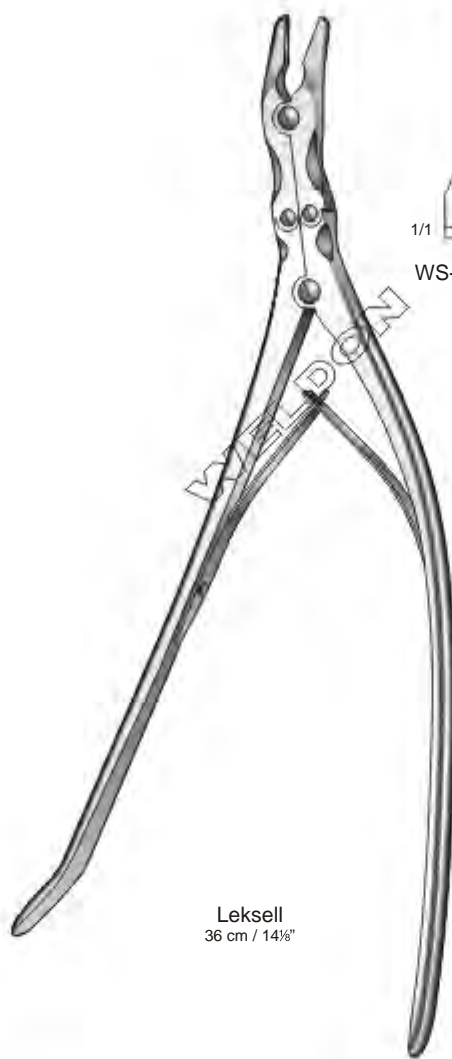
**Marquardt**  
 WS-230-042  
 20 cm / 8"

**WS-230-043A**  
 Straight

**WS-230-044A**  
 Curved

**Mini-Ruskin**  
 15.5 cm / 6"

**WS-230-043**  
 Straight

**WS-230-044**  
 Curved

**Ruskin**  
 18 cm / 7"







Leksell  
36 cm / 14 1/8"



1/1  
WS-232-050



1/1  
WS-232-051



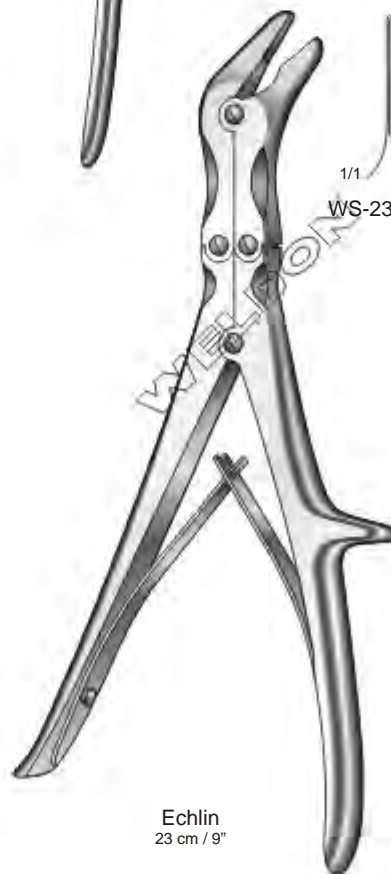
1/1  
WS-232-052



Frykholm  
WS-232-053  
24 cm / 9 1/2"



1/1



Echlin  
23 cm / 9"



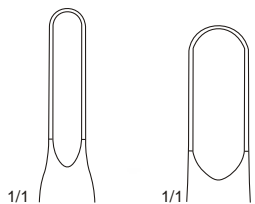
1/1  
WS-232-054



1/1  
WS-232-055



1/1  
WS-232-056

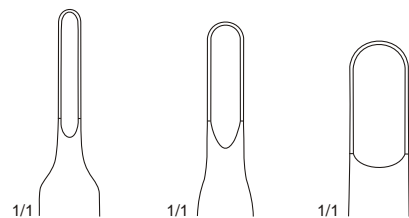


1/1  
WS-233-057

1/1  
WS-233-058



Smith - Peterson  
WS-233-057A  
23 cm / 9"  
4 mm bite



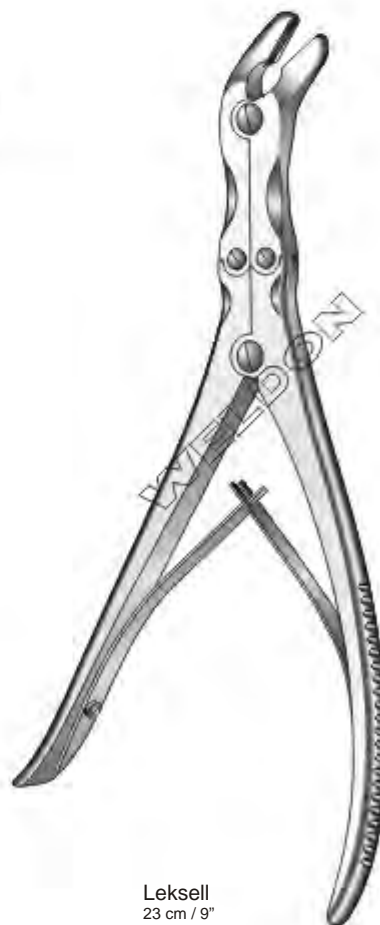
1/1  
WS-233-059

1/1  
WS-233-060

1/1  
WS-233-061

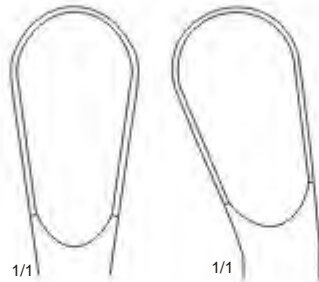


Leksell  
23 cm / 9"

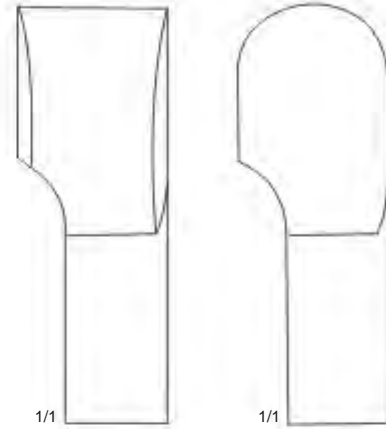


Leksell  
23 cm / 9"

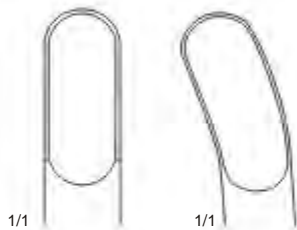
Bone Rongeurs | Pinzas Gubias | Hohlmeißelzangen



WS-234-064 23 cm / 9" WS-234-066  
 WS-234-065 27 cm / 10½"



WS-234-068 WS-234-069



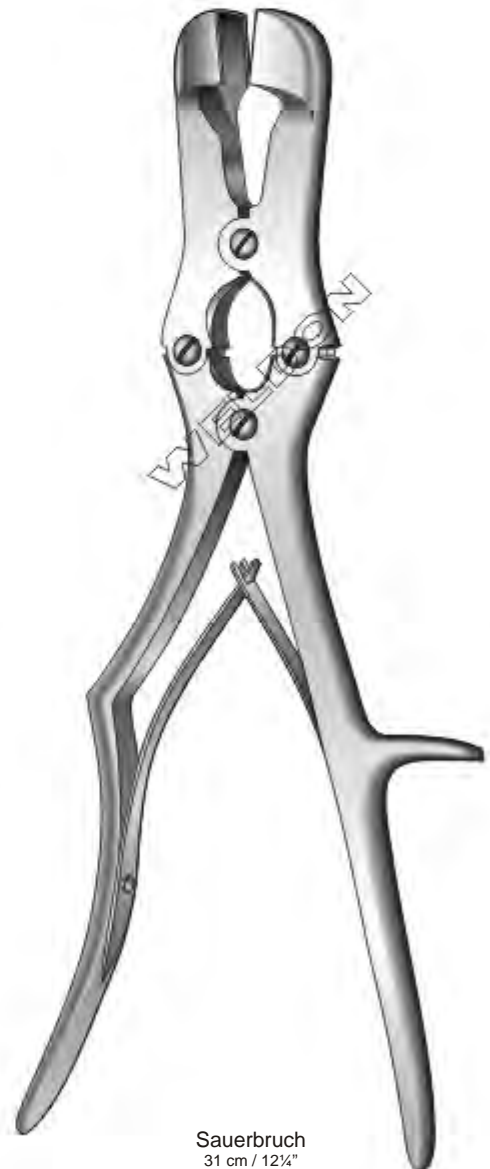
WS-234-062 WS-234-063



Stille-Luer  
 22 cm / 8¾"

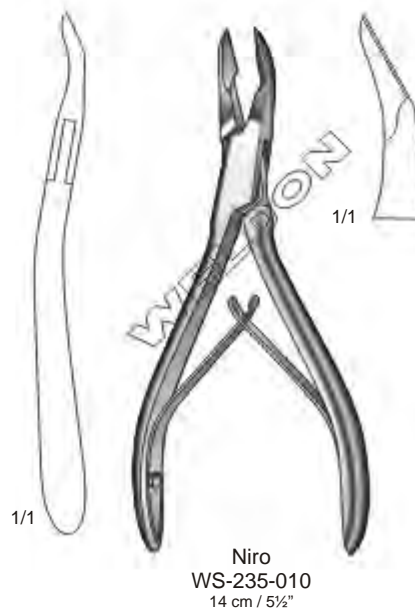
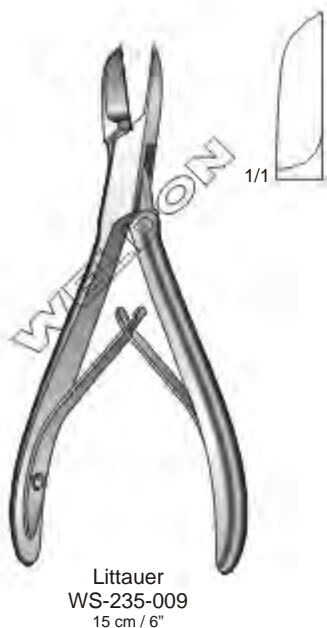
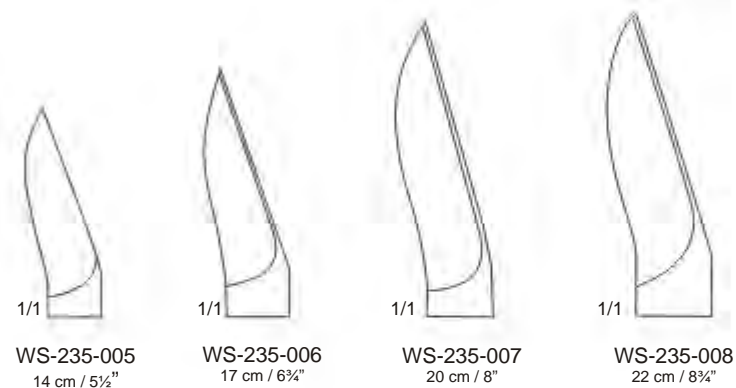
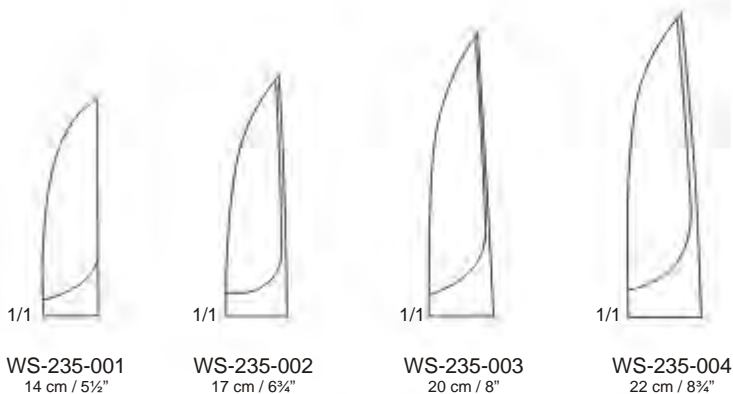


Stille-Luer



Sauerbruch  
 31 cm / 12¼"

Bone Cutting Forceps | Pinzas Cortantes Para Hueso | Knochensplitterzangen



Bone Cutting Forceps | Pinzas Cortantes Para Hueso | Knochensplitterzangen



Cottle-Kazanjan  
WS-236-011  
19 cm / 7½"



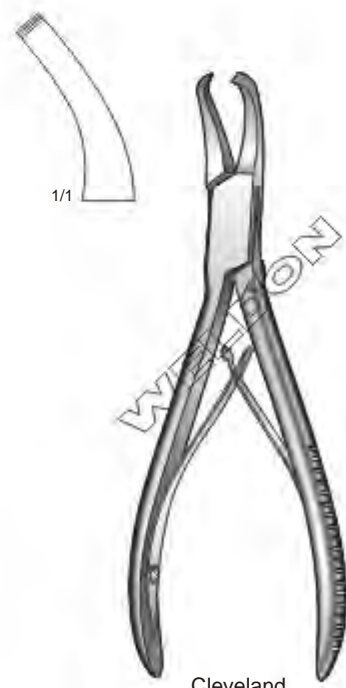
Cleveland  
WS-236-012  
17 cm / 6¾"



Cleveland  
WS-236-013  
15 cm / 6"



Cleveland  
WS-236-014  
12 cm / 4¾"



Cleveland  
WS-236-015  
16 cm / 6½"

Bone Cutting Forceps | Pinzas Cortantes Para Hueso | Knochensplitterzangen



Böhler  
15 cm / 6"



1/1

WS-237-016



1/1

WS-237-017



Böhler  
WS-237-018  
15 cm / 6"



1/1



Ruskin-Liston



1/1

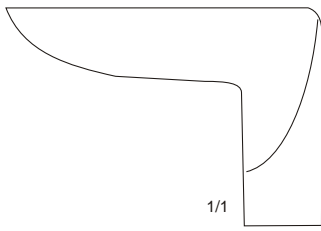
WS-237-019 18.5 cm / 7 1/4"  
WS-237-020 23 cm / 9"  
Straight



1/1

WS-237-021  
WS-237-022  
Curved

Bone Cutting Forceps | Pinzas Cortantes Para Hueso | Knochensplitterzangen



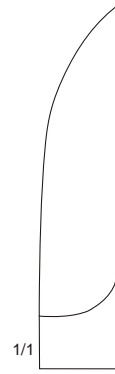
1/1

WS-238-023



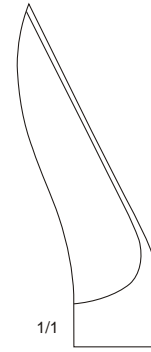
1/1

WS-238-024



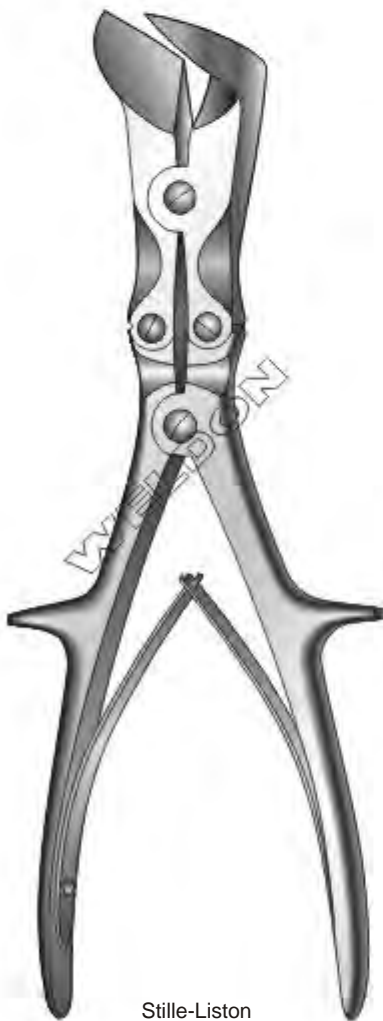
1/1

WS-238-025  
23 cm / 9 1/4"  
WS-238-025A  
27 cm / 10 1/2"  
Straight

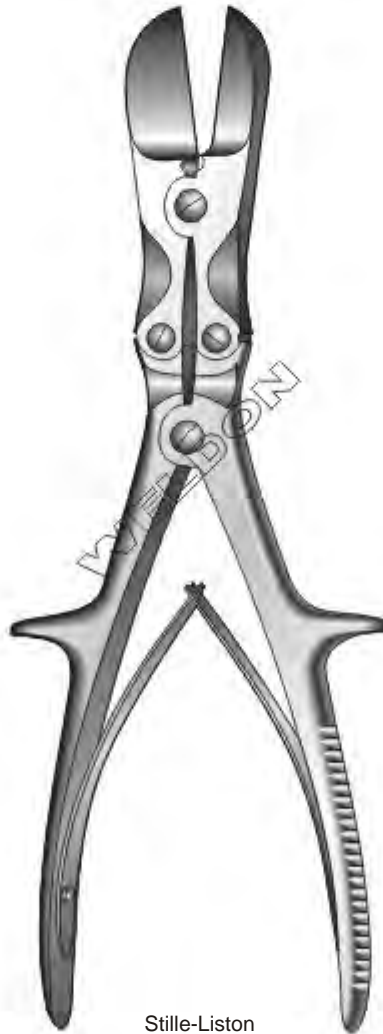


1/1

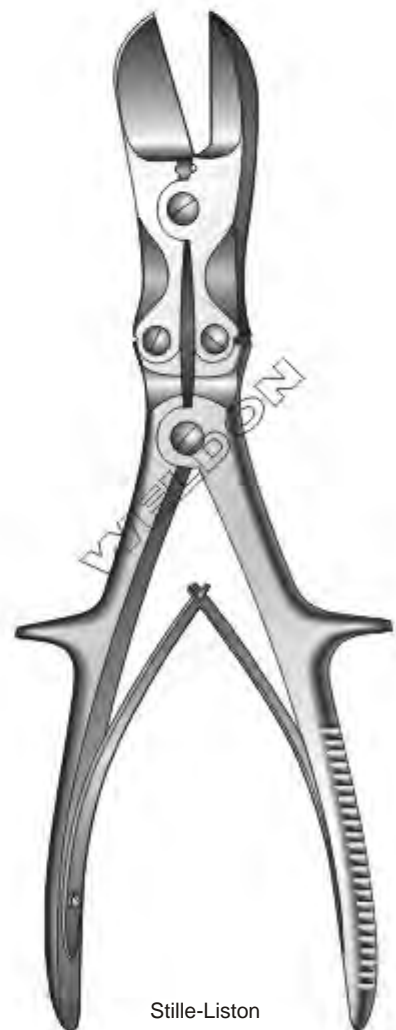
WS-238-026  
27 cm / 10 1/2"  
WS-238-026A  
23 cm / 9 1/4"  
Angled



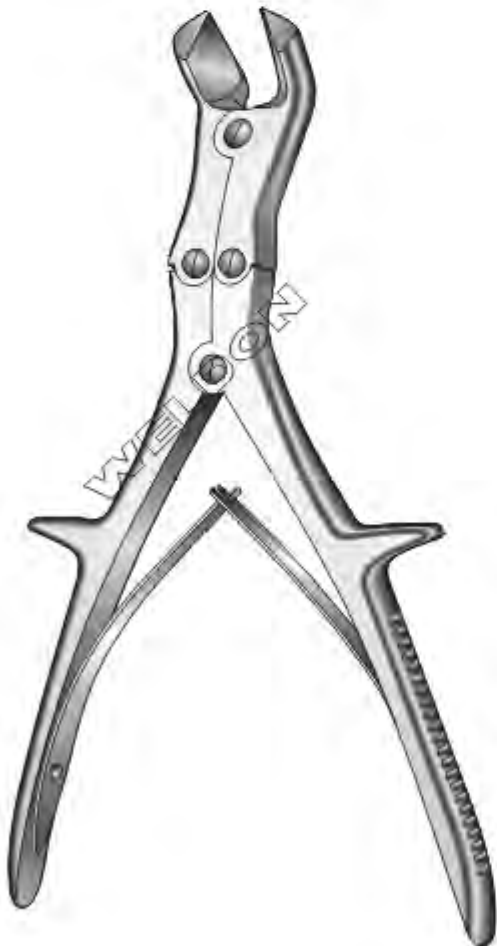
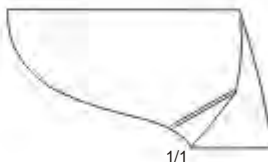
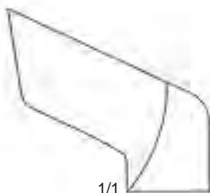
Stille-Liston  
27 cm / 10 1/2"



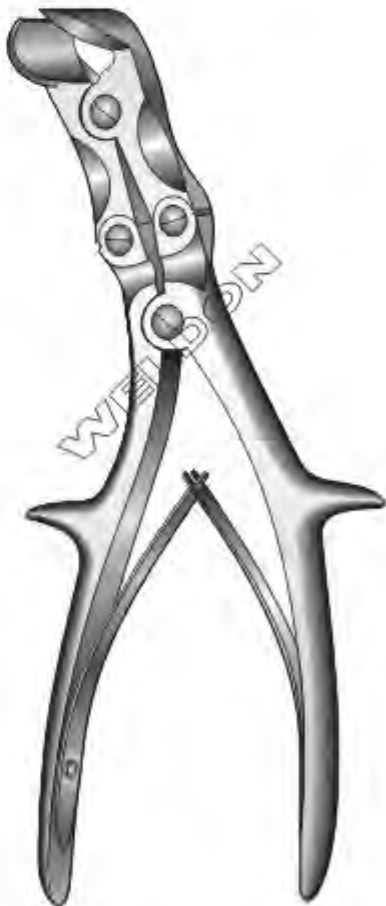
Stille-Liston  
27 cm / 10 1/2"



Stille-Liston

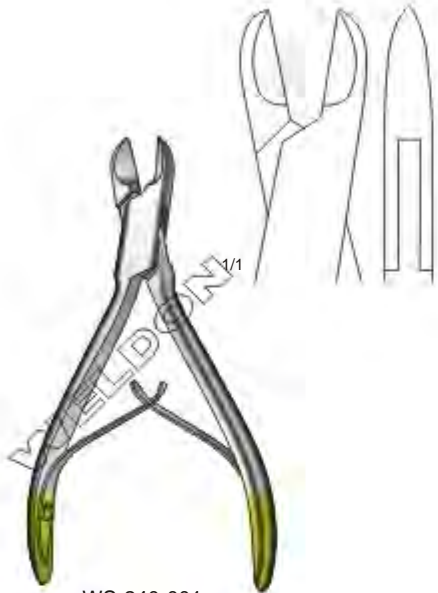


Liston-Key  
WS-239-027  
27 cm / 10½"

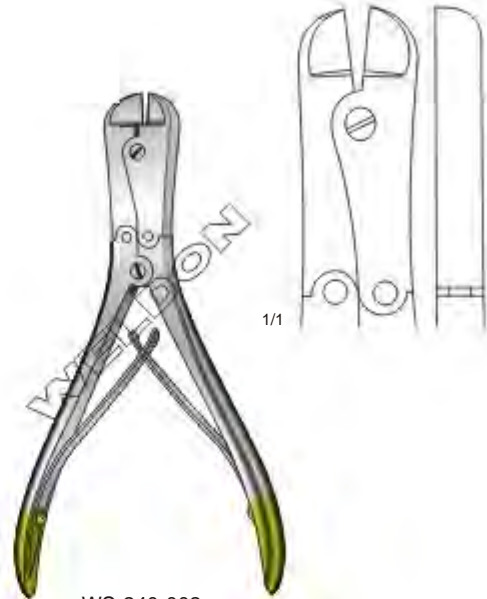


Semb  
WS-239-028  
24 cm / 9½"

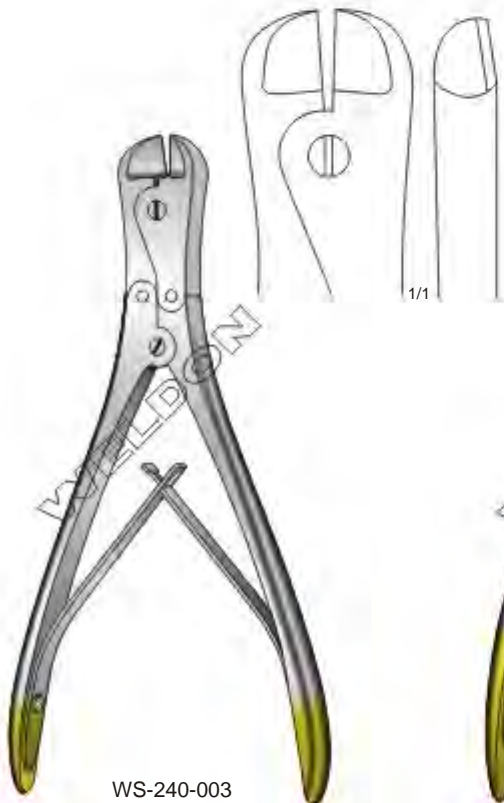


**Wire Cutting Pliers | Alicates Para Cortar Alambre | Drahtkneifzangen**


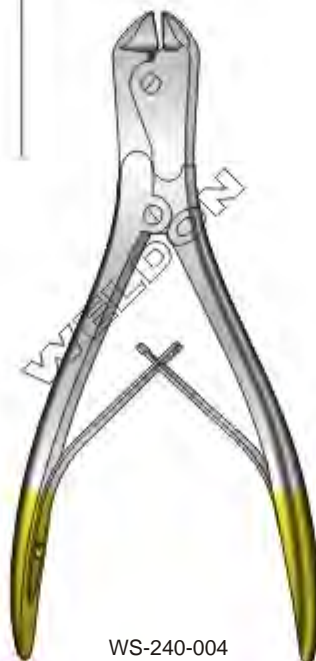
**WS-240-001**  
 12 cm / 4 3/4"  
 Cut Soft Wire Up To 1.2 mm  
 Cut Hard Wire Up To 1.0 mm



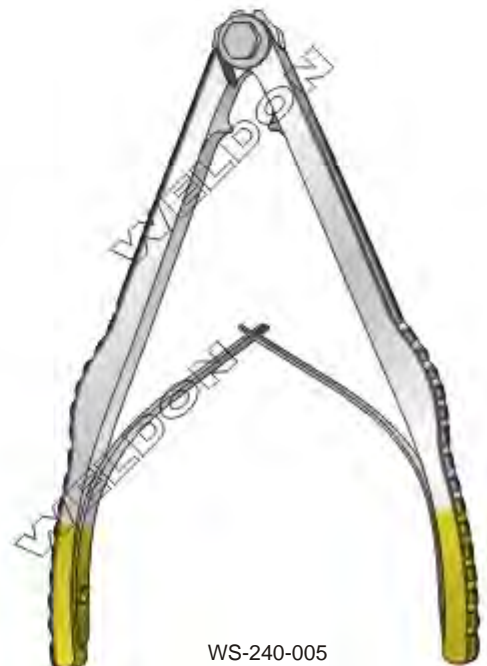
**WS-240-002**  
 13 cm / 5 1/8"  
 Cut Soft Wire Up To 2.0 mm  
 Cut Hard Wire Up To 1.5 mm



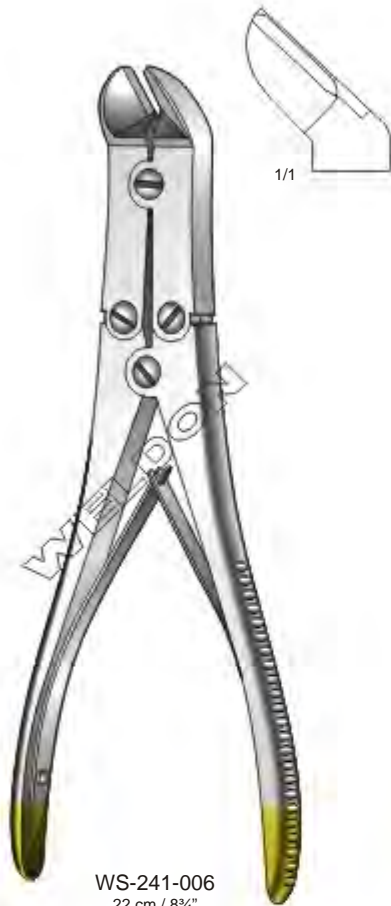
**WS-240-003**  
 17.5 cm / 7"  
 Cut Soft Wire Up To 3.5 mm  
 Cut Hard Wire Up To 2.5 mm



**WS-240-004**  
 18 cm / 7 1/8"  
 Cut Soft Wire Up To 2.6 mm  
 Cut Hard Wire Up To 1.7 mm



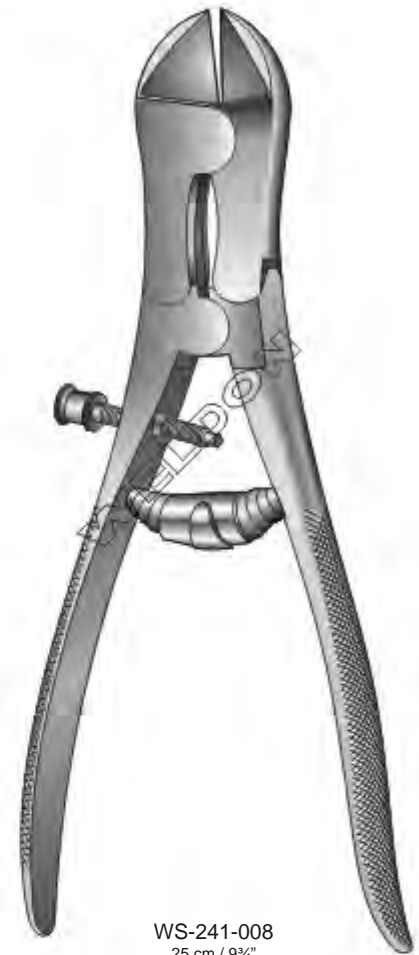
**WS-240-005**  
 18 cm / 7 1/8"



**WS-241-006**  
22 cm / 8 3/4"  
Cut Soft Wire Up To 3.0 mm  
Cut Hard Wire Up To 2.5 mm



**WS-241-007**  
23 cm / 9"  
Cut Soft Wire Up To 3.5 mm  
Cut Hard Wire Up To 2.5 mm



**WS-241-008**  
25 cm / 9 1/2"  
Cut Soft Wire Up To 4.5 mm  
Cut Hard Wire Up To 3.0 mm



**WS-241-009** 16 cm / 6 1/4"  
**WS-241-010** 18 cm / 7"  
Cut Soft Wire Up To 2.0 mm  
Cut Hard Wire Up To 1.6 mm



**WS-241-011**  
15 cm / 6"  
Cut Soft Wire Up To 3.0 mm  
Cut Hard Wire Up To 2.5 mm

Wire Cutting Pliers | Pinzas Para Cortar Alambre | Drahtkneifzangen



Diamant  
 WS-242-012  
 16 cm / 6¼"  
 Cut Soft Wire Up To 2.0 mm  
 Cut Hard Wire Up To 1.5 mm



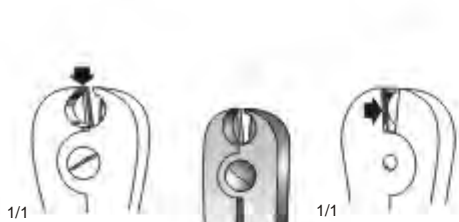
WS-242-013  
 16 cm / 6¼"  
 Cut Soft Wire Up To 2.5 mm  
 Cut Hard Wire Up To 2.0 mm



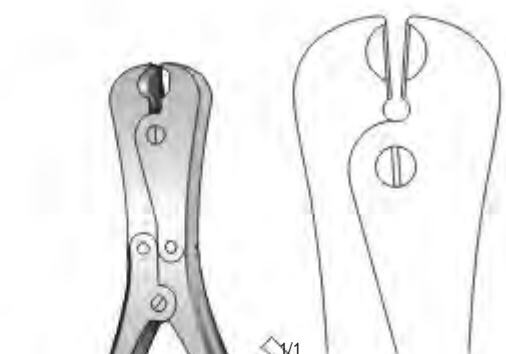
WS-242-014  
 23 cm / 9"  
 Cut Soft Wire Up To 3.5 mm  
 Cut Hard Wire Up To 2.5 mm



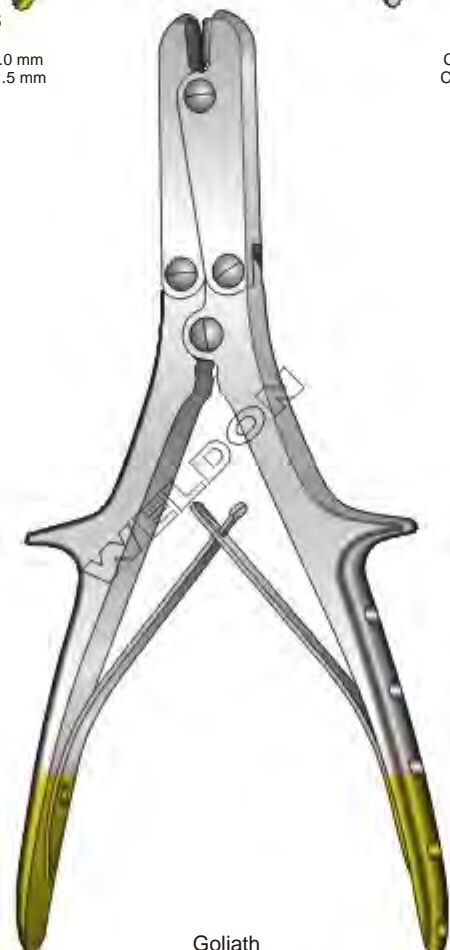
WS-242-015  
 24 cm / 9½"  
 Cut Soft Wire Up To 4.5 mm  
 Cut Hard Wire Up To 3.0 mm



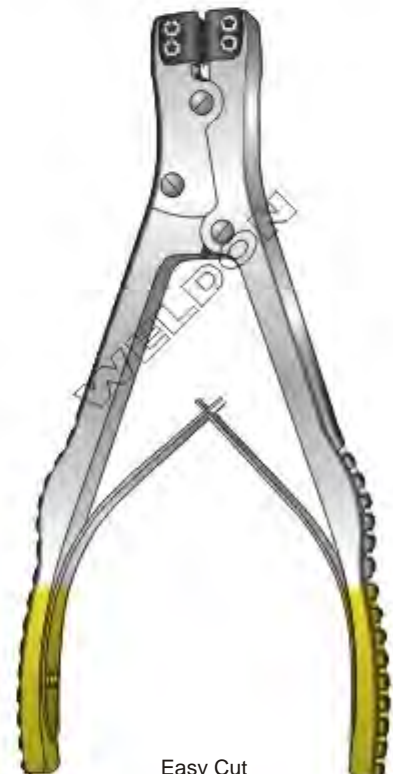
**WS-243-016**  
17.5 cm / 7"  
Cut Soft Wire Up To 2.0 mm  
Cut Hard Wire Up To 1.5 mm



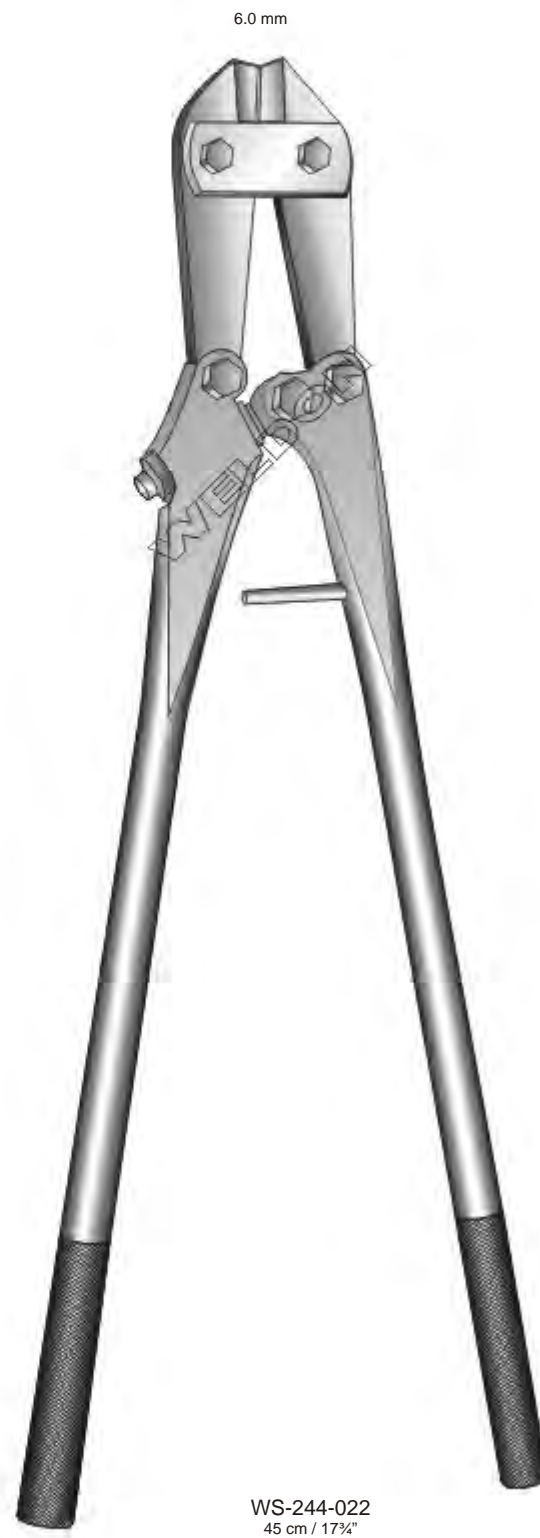
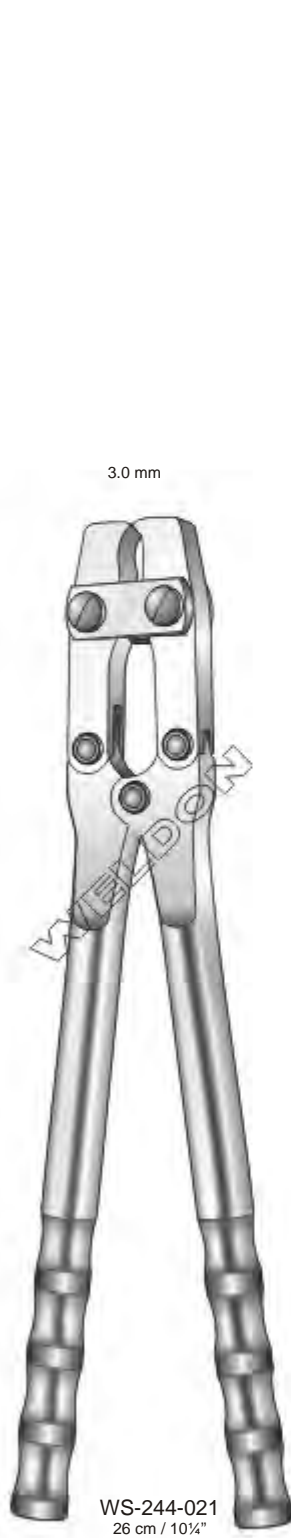
**WS-243-017**  
19 cm / 7½"  
Cut Soft Wire Up To 2.0 mm  
Cut Hard Wire Up To 1.5 mm

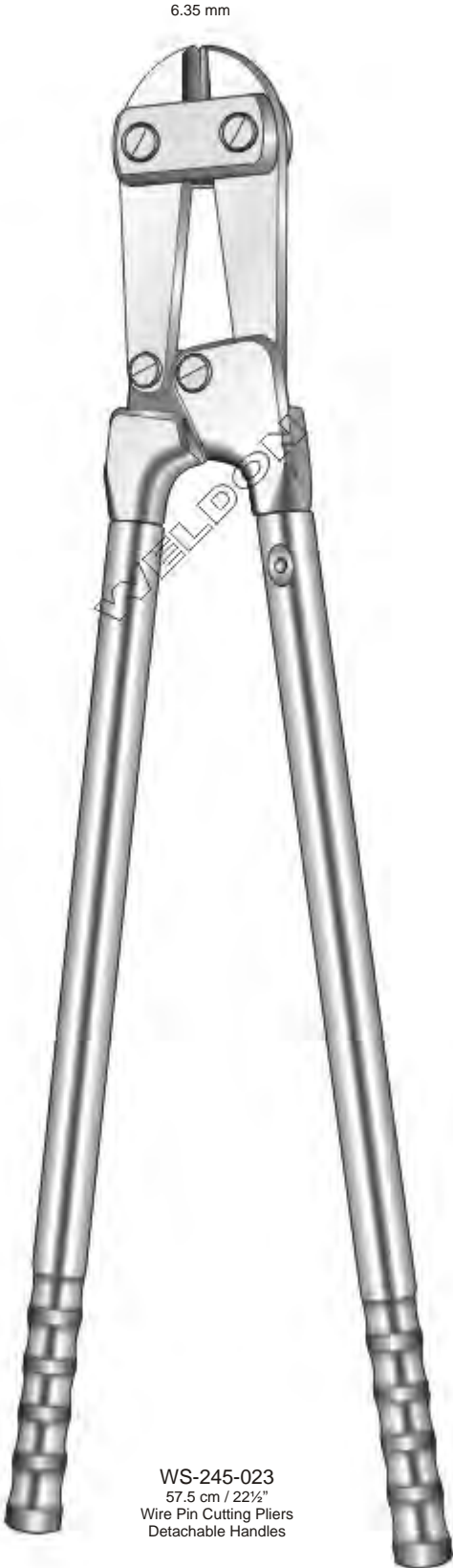


**Goliath**  
WS-243-018 2.5 mm  
WS-243-019 2.0 mm  
25 cm / 10"



**Easy Cut**  
WS-243-020  
20 cm / 8"





6.35 mm

WS-245-023  
57.5 cm / 22½"  
Wire Pin Cutting Pliers  
Detachable Handles



WS-246-001 For Children  
16 cm / 6"  
WS-246-002 For Adults  
22.5 cm / 9"



Walton  
WS-247-003  
16 cm / 6¼"



WS-247-004  
17 cm / 6¾"  
Finger Ring Saw



**Amputation Saws | Sierras de Amputación | Amputationssägen**


**Charriere**  
**WS-248-005**  
 35 cm / 14"



**Spare Saw Blades**  
**WS-248-006** 12 mm  
**WS-248-007** 15 mm  
**WS-248-008** 18 mm



**Spare Saw Blades**  
**WS-248-009** 4 mm  
**WS-248-010** 6 mm  
**WS-248-011** 8 mm



**Bier**  
**WS-248-012**  
 39 cm / 15½"



**Lindemann**  
**WS-248-013**  
 20 cm / 8"



**Langenbeck**  
**WS-248-014**  
 24.5 cm / 9¾"



**Charriere**  
**WS-248-015A** 15 cm / 6"  
**WS-248-015B** 20 cm / 8"  
**WS-248-015** 27 cm / 10½"  
**WS-248-016** 30 cm / 12"

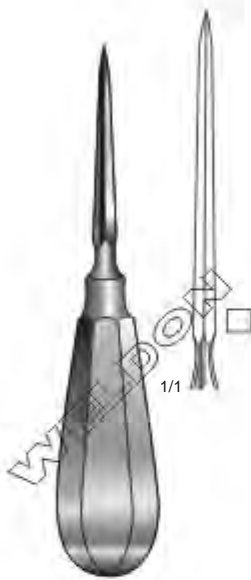


**Satterlee**  
**WS-248-017**  
 29 cm / 11½"



Percy  
WS-249-018 18 cm / 7"  
WS-249-019 23 cm / 9"  
WS-249-020 25 cm / 10"  
Detachable  
Amputating Retractor

Reamers | Escariadores | Reibahlen



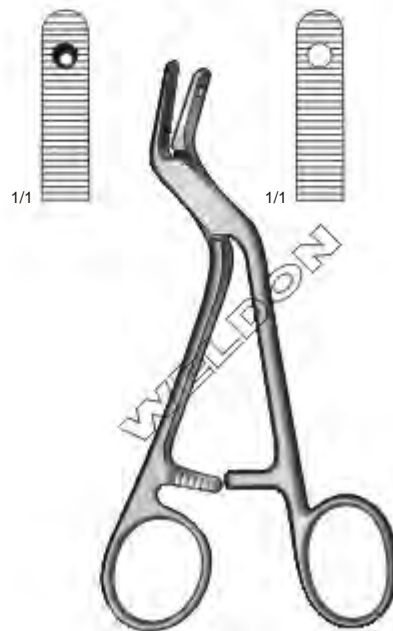
WS-250-001  
14 cm / 5½"



Perthes  
WS-250-002 18 cm / 7"  
WS-250-003 21 cm / 8¼"



WS-250-004  
14 cm / 5½"



Adson  
WS-250-005  
15 cm / 6"



WS-251-007  
Extension Piece



WS-251-008  
9 mm Ø  
Conical Burr



WS-251-009  
14 mm Ø  
Conical Burr



WS-251-010  
16 mm Ø  
Spherical Burr



WS-251-011  
22 mm Ø  
Spherical Burr



WS-251-012  
14 mm Ø  
Flat Trepine



WS-251-013  
2 mm Ø  
Twist Drill



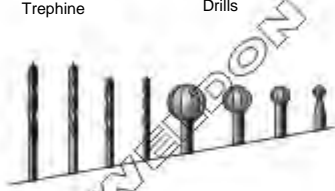
Mckenzie  
WS-251-014  
13 mm Ø  
Burr



Errico  
WS-251-015  
16 mm Ø  
Burr



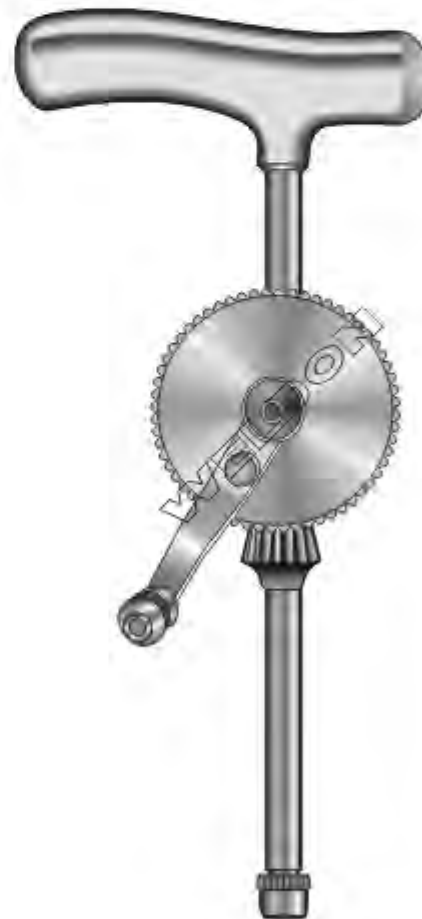
Hudson  
WS-251-006  
27 cm / 10½"



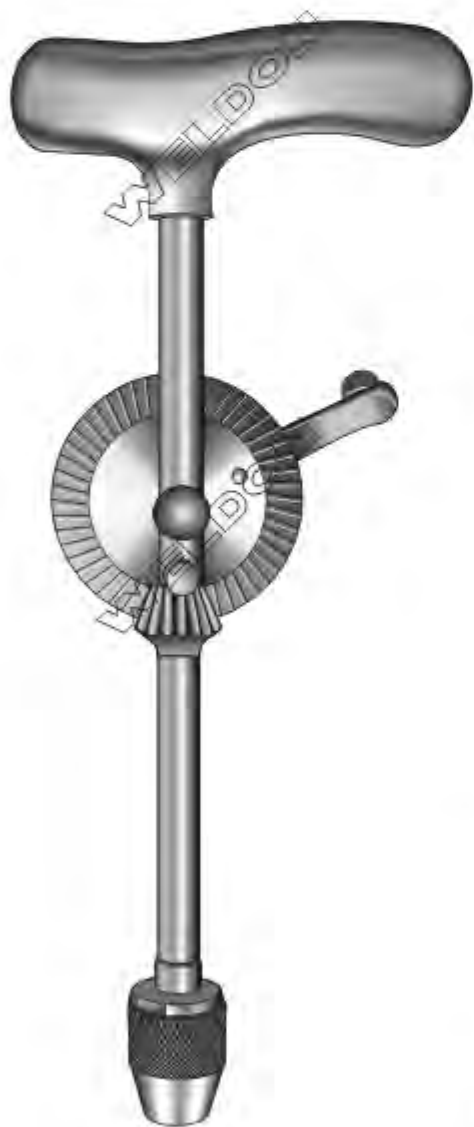
**WS-252-025**  
 Set Consisting of Fig.1 - Fig.9



**Stille**  
**WS-252-026**  
 Brace Only



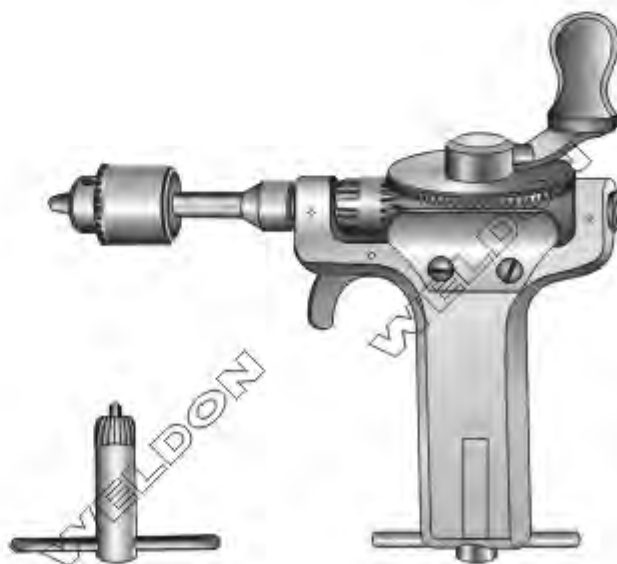
**Stille-Sherman**  
**WS-252-027** Brace Only  
**WS-252-028** Complete Set With 4 Drills



Moore  
WS-253-029 Brace Only  
WS-253-030 Complete Set With 2 Twist Drills

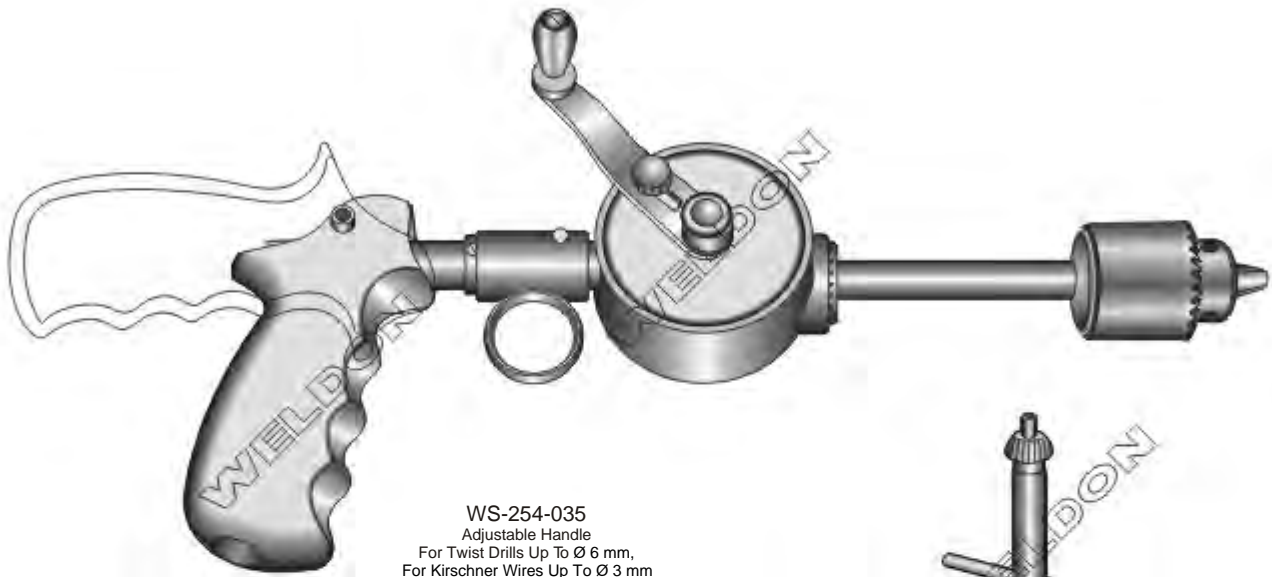


3.2 mm  
WS-253-031  
7 cm / 2¾"  
WS-253-032  
9 cm / 3½"  
Twist Drills



WS-253-033  
Tightening Wrech Only

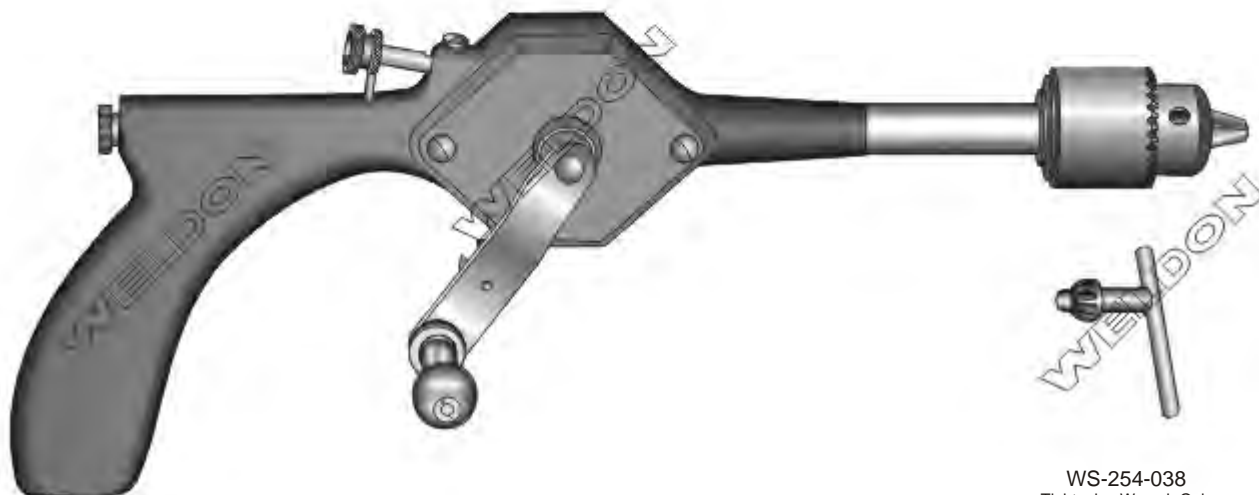
Bunnell  
WS-253-034  
For Kirschner Wires Up To 3 mm Ø



WS-254-035  
Adjustable Handle  
For Twist Drills Up To  $\varnothing$  6 mm,  
For Kirschner Wires Up To  $\varnothing$  3 mm



WS-254-036  
Tightening Wrench Only



Smedberg  
WS-254-037

For Twist Drills Up To  $\varnothing$  6.5 mm  
For Kirschner Wires Up To  $\varnothing$  4 mm  
With Jacobs Three-jaw Chuck And Wrench  
With Axial Channel For Passing Kirschner Wires

WS-254-038  
Tightening Wrench Only



Ralk  
 WS-255-039  
 For Twist Drills Up To Ø 7 mm  
 For Kirschner Wires Up To Ø 4 mm

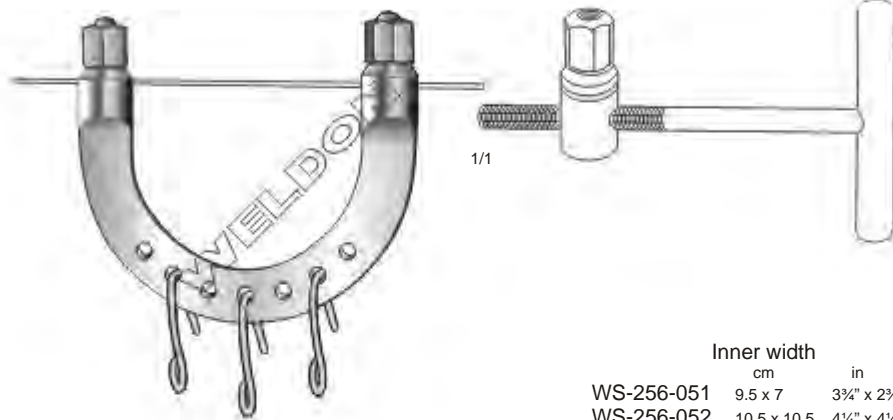


WS-255-040  
 Tightening Wrench Only  
 Twist Drills

With Three-jaw Chuck And Wrench  
 With Axial Channel For Passing Kirschner Wires

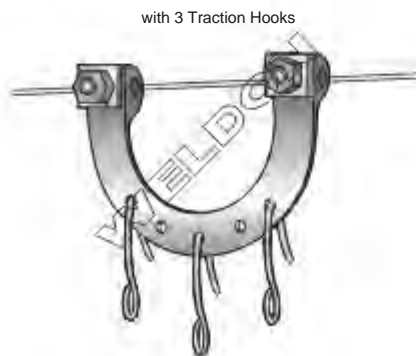
WS-255-041	Ø 1.5 mm	7 cm / 2¾"
WS-255-042	Ø 2.0 mm	8.5 cm / 3⅜"
WS-255-043	Ø 2.5 mm	9.5 cm / 3¾"
WS-255-044	Ø 3.0 mm	10 cm / 4"
WS-255-045	Ø 3.2 mm	10 cm / 4"
WS-255-046	Ø 3.5 mm	11 cm / 4⅞"
WS-255-047	Ø 4.0 mm	12 cm / 4¾"
WS-255-048	Ø 4.5 mm	13 cm / 5⅞"
WS-255-049	Ø 5.0 mm	13 cm / 5⅞"
WS-255-050	Ø 6.0 mm	14 cm / 5½"



**Extension Bows | Estribos Para Extensión | Extensionsbügel**


**Kirschner**  
With 3 Traction Hooks

	Inner width		
	cm	in	
WS-256-051	9.5 x 7	3 7/8" x 2 3/4"	For Children
WS-256-052	10.5 x 10.5	4 1/4" x 4 1/4"	For Wrist Ankle
WS-256-053	12 x 12	4 3/4" x 4 3/4"	For Elbow
WS-256-054	15.5 x 15.5	6" x 6"	For Knee
WS-256-055	20 x 15.5	8" x 8"	For Femur



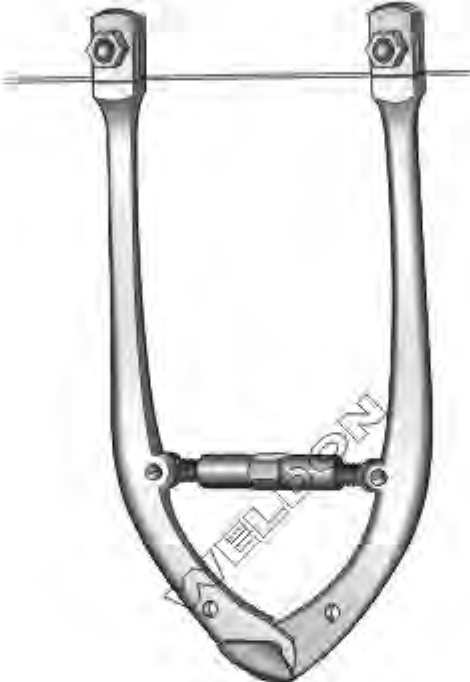
with 3 Traction Hooks

**Kirschner**  
WS-256-056  
6 x 6 cm / 2 1/2" x 2"



With 3 Traction Hooks

**Kirschner**  
WS-256-057 0-40 mm Small Pattern  
18 cm / 7 1/4"  
WS-256-058 35-200 mm Large Pattern  
27 cm / 10 1/2"



WS-257-059 180 x 100 mm  
7" x 4"  
Inner Width  
WS-257-060 270 x 160 mm  
10½" x 6¾"  
Inner Width

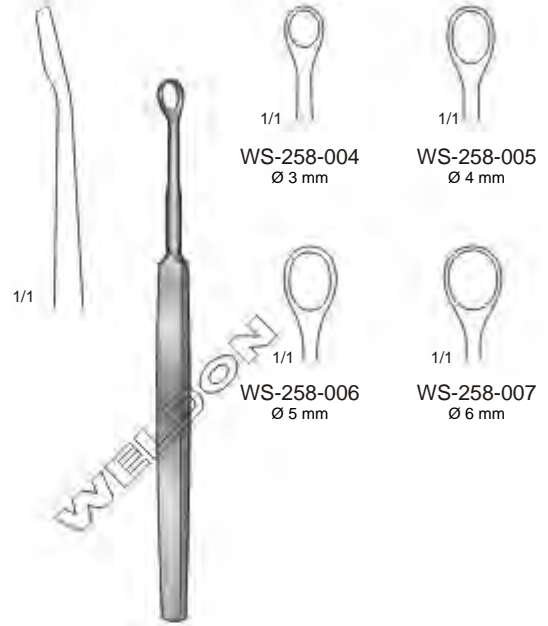


WS-257-061 Small  
WS-257-062 Medium  
WS-257-063 Large  
Wire Mesh, Autoclavable

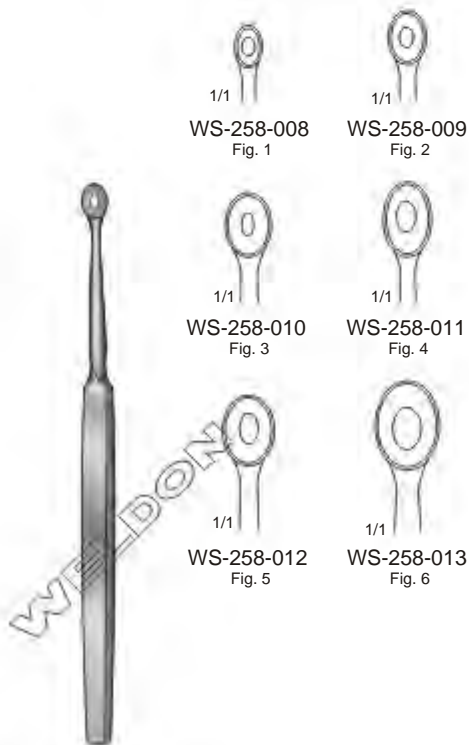
Lupus Currettes, Lupus Scrapers | Curettas Para Lupus, Legra Para Lupus | Lupusküretten, Lupusschaber



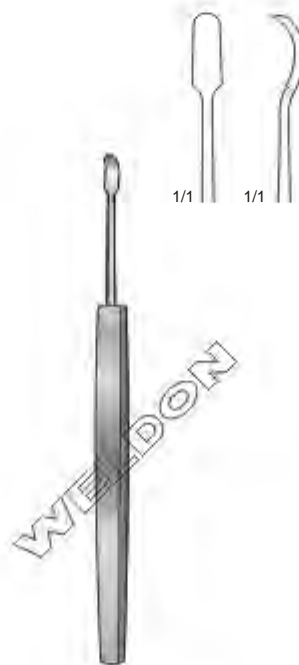
**Piffard**  
14.5 cm / 5¾"



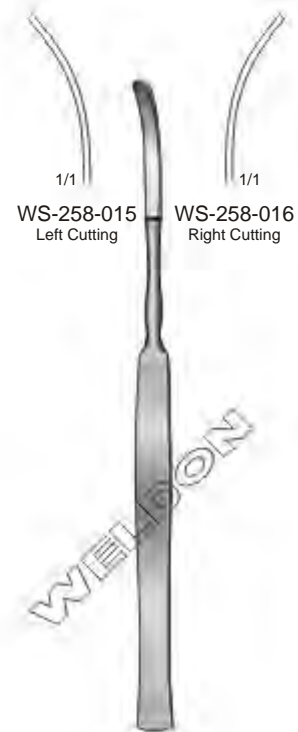
**Fox**  
14.5 cm / 5¾"



**Wolff**  
14.5 cm / 5¾"



**Vidal**  
WS-258-014  
13.5 cm / 5⅝"



**Schweden**  
17 cm / 6¾"

Meniscus Knives, And Dermal Punches | Cuchillos Para Menisco, y Trépanos Para Piel  
Meniskotome, Hauttrephinen



Keys  
10 cm / 4"

1/1  
WS-259-017  
Ø 2 mm

1/1  
WS-259-018  
Ø 3 mm

1/1  
WS-259-020  
Ø 5 mm

1/1  
WS-259-022  
Ø 7 mm

1/1  
WS-259-019  
Ø 4 mm

1/1  
WS-259-021  
Ø 6 mm

1/1  
WS-259-023  
Ø 8 mm

5.5 cm / 2 1/4"  
1/1  
WS-259-024  
1.8 mm Ø

1/1  
WS-259-025  
2.3 mm Ø

1/1  
WS-259-026  
2.7 mm Ø

1/1  
WS-259-029  
5.5 cm / 2 1/4"  
2 mm Ø

1/1  
WS-259-030  
5.5 cm / 2 1/4"  
8 mm Ø

1/1  
WS-259-031  
5.5 cm / 2 1/4"  
10 mm Ø

1/1  
WS-259-032  
5.5 cm / 2 1/4"  
12 mm Ø

1/1  
WS-259-027  
4 mm Ø

1/1  
WS-259-028  
6 mm Ø

1/1  
WS-259-033

1/1  
WS-259-034

1/1  
WS-259-035

1/1  
WS-259-036

1/1  
WS-259-037

1/1  
WS-259-038  
Slightly Curved

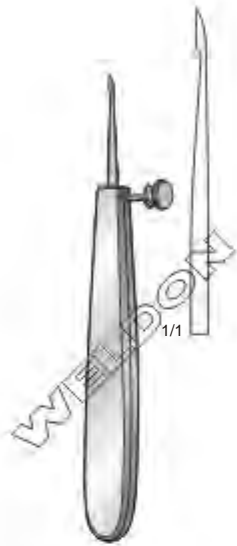
1/1  
WS-259-039  
Slightly Curved

Bircher  
19 cm / 7 1/2"

Smillie  
17 cm / 6 3/4"

Stryker-Scholl  
19 cm / 7 1/2"

WS-259-040  
Spare Blades Sterile

**Acne Knife, Comedone Expressors | Cuchillo Para Acné, Sacacomedones  
Aknesser, Komedonenquetscher**


**Monocorps**  
WS-260-041  
14 cm / 5½"



**Saalfeld**  
WS-260-042  
10.5 cm / 4¼"



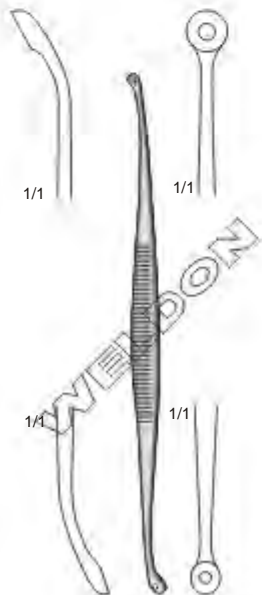
**Saalfeld**  
WS-260-043  
15 cm / 6"



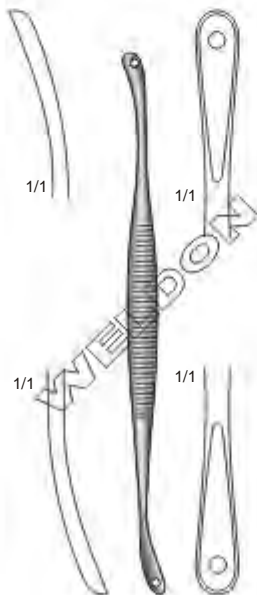
**WS-260-044**  
16.5 cm / 6½"  
Child

**WS-260-045**  
19 cm / 7½"  
Adult

**Jobson**  
Horne Probes



**Unna**  
WS-260-046  
14 cm / 5½"



**Unna**  
WS-260-047  
14 cm / 5½"



**Hebra**  
WS-260-048  
18 cm / 7⅞"



**Schamberg**  
WS-260-049  
10 cm / 4"