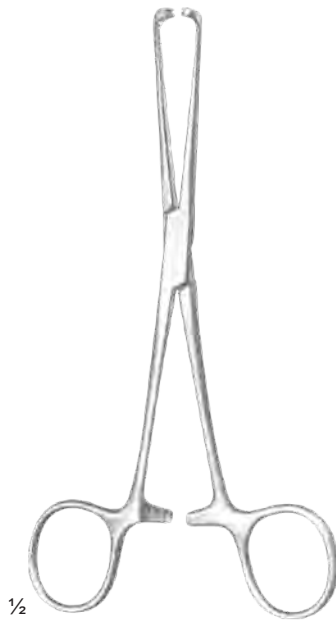
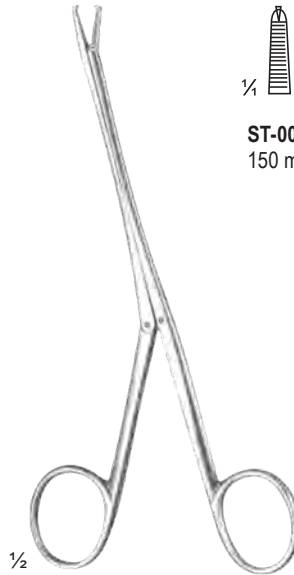
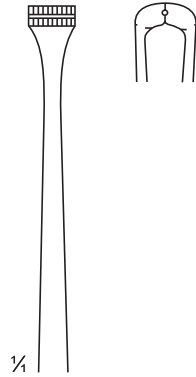


# Page 01-61

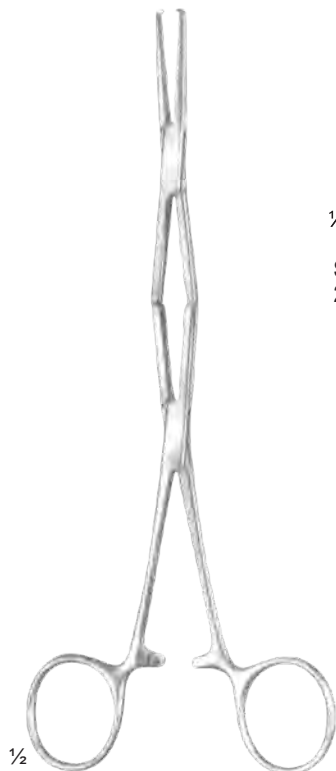
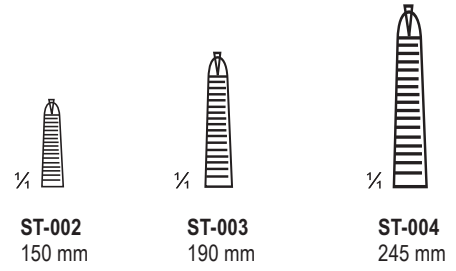
- Mallets
- Tempers, Chisels, Gouges
- Bone Holding Forceps
- Rongeurs
- Bone Cutting Forceps
- Meniscus Instruments
- Wire Extension
- Hand Drills, Awls Reamers
- Bone Biopsy Instruments
- Finger Nail Instruments
- Bone Files



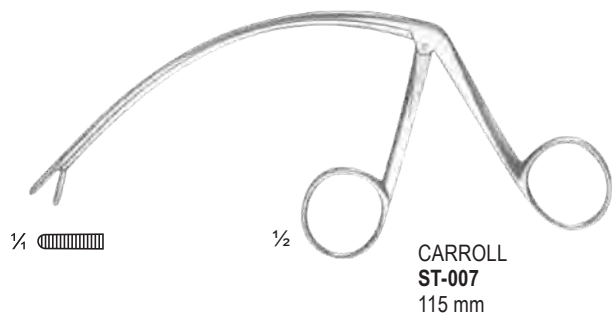
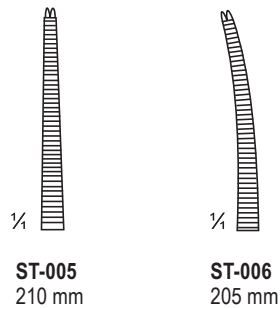
STEINMANN  
ST-001  
160 mm



BRAND  
ST-002 - ST-004



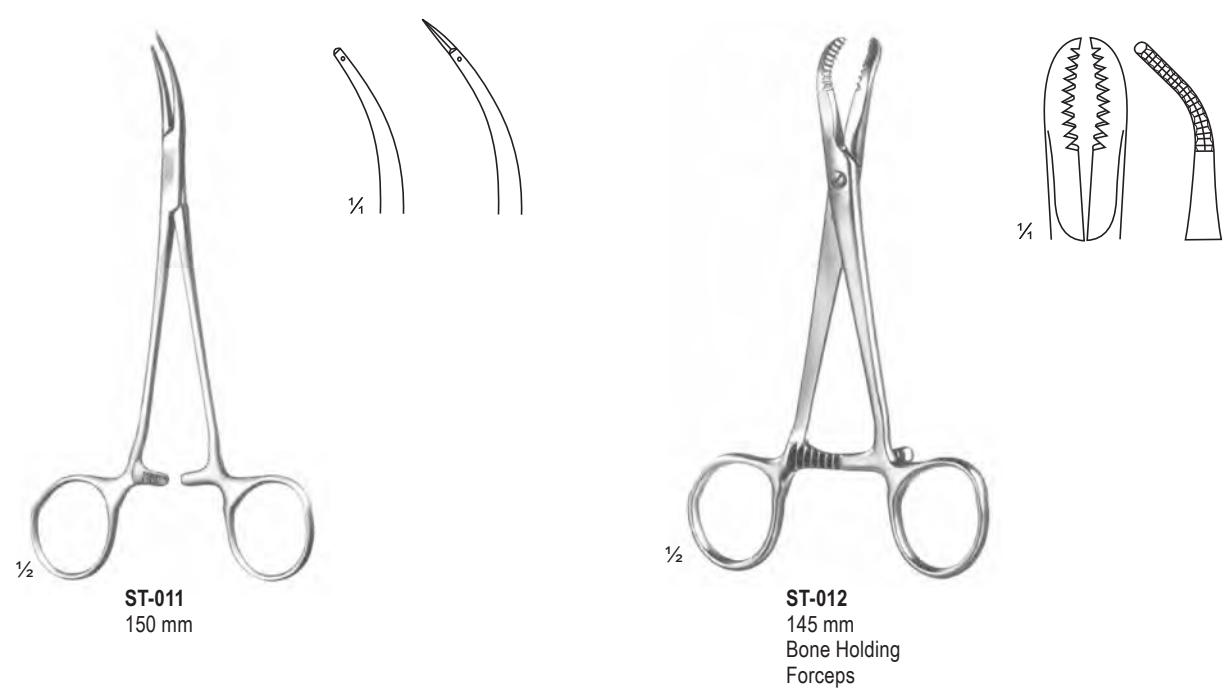
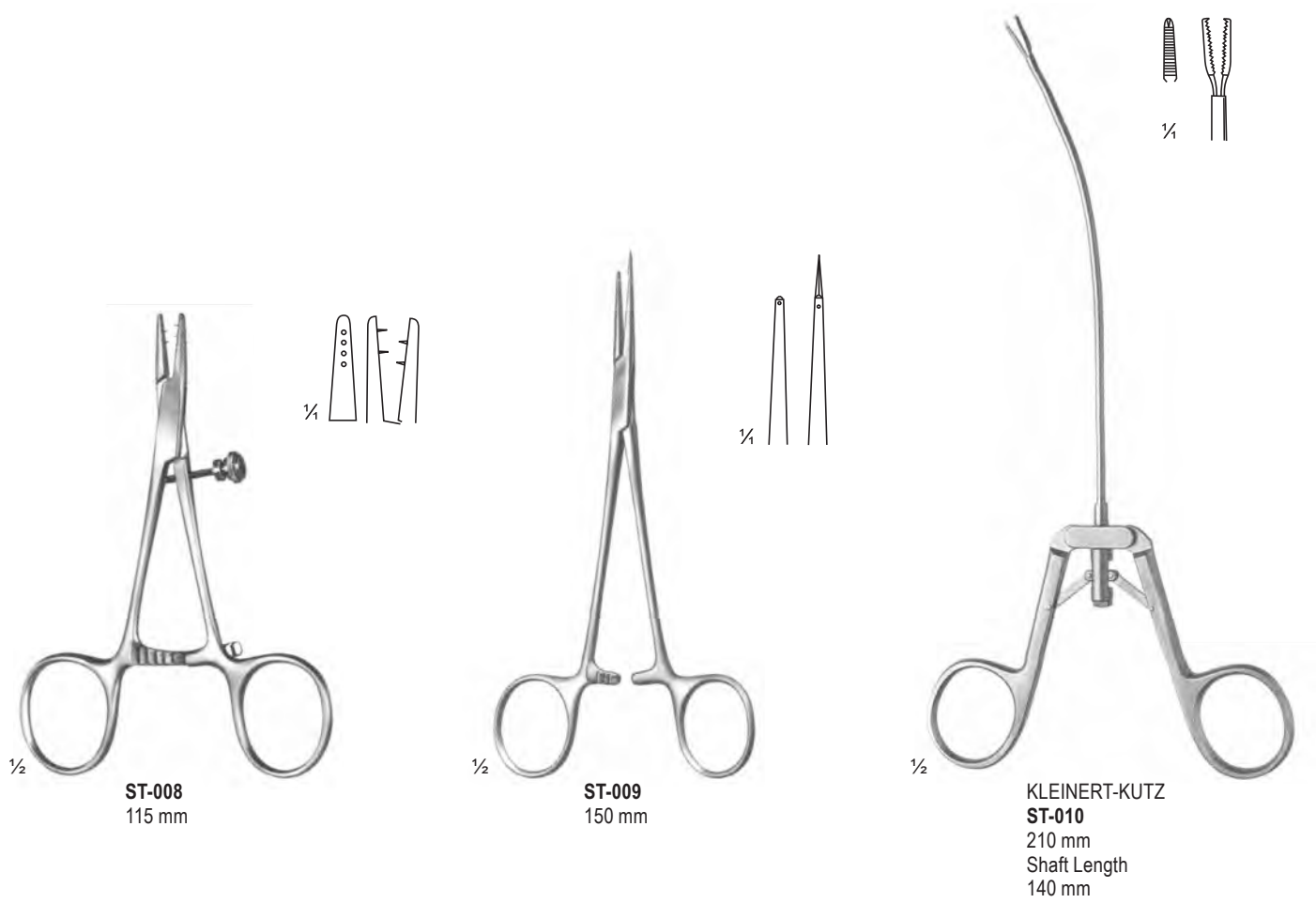
ST-005 - ST-006

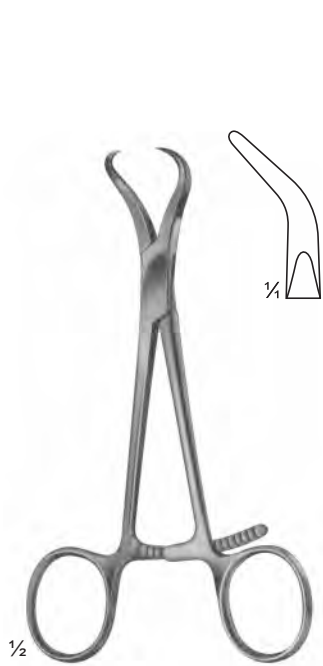


CARROLL  
ST-007  
115 mm

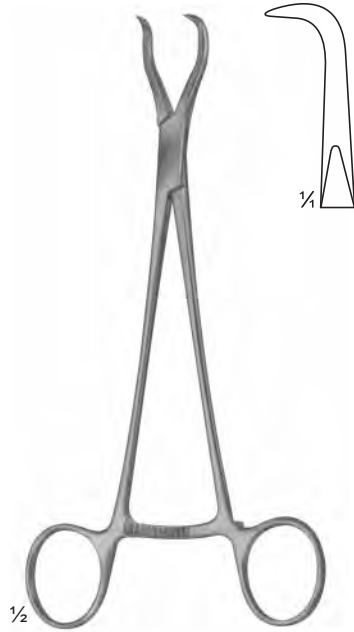


TENDON HOLDING FORCEPS, TENDON INTERLACING FORCEPS

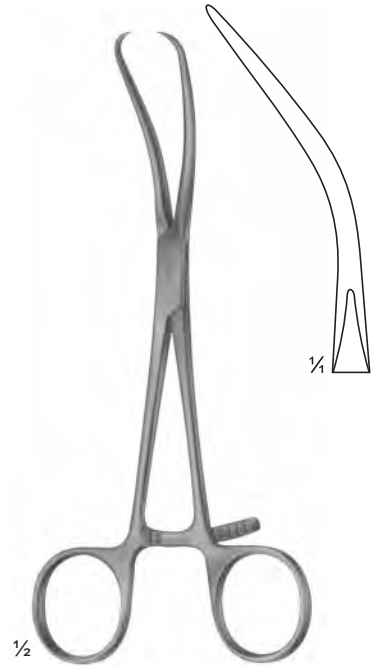




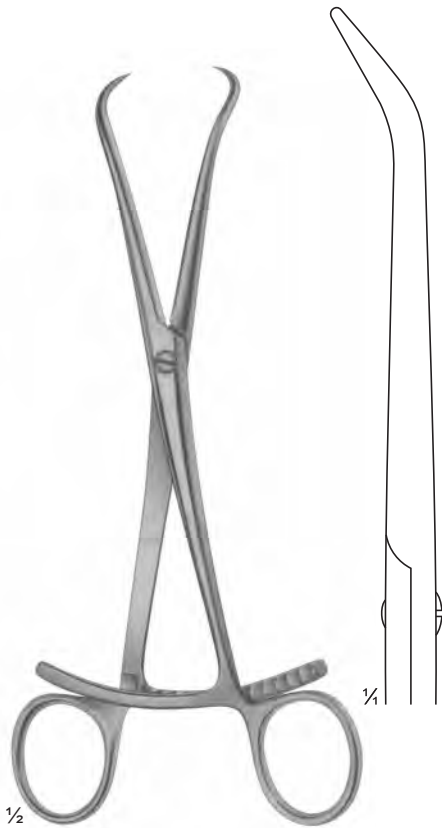
Repositioning forceps,  
for small fragments  
**ST-013**  
135 mm



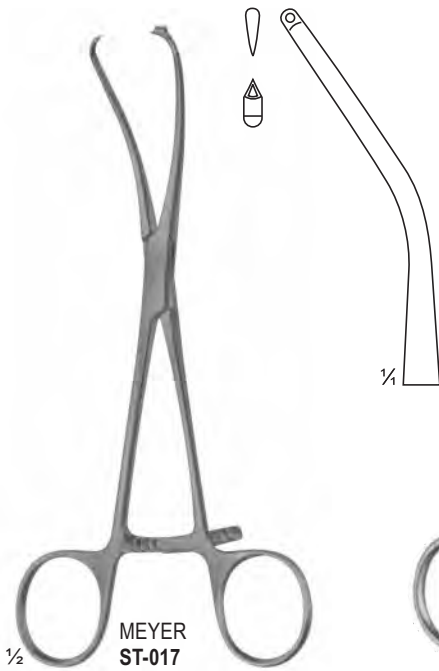
**HAASE**  
Repositioning forceps,  
for mandibular  
fractures  
**ST-014**  
165 mm



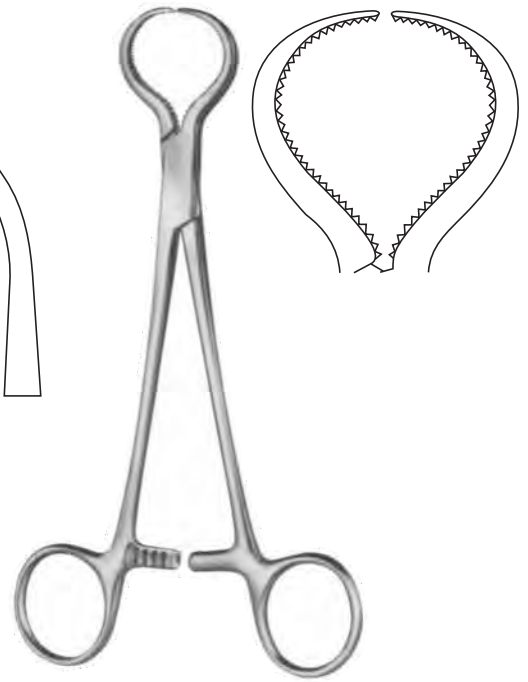
**REILL**  
Repositioning forceps,  
**ST-015**  
170 mm



Repositioning forceps  
**ST-016 ST-016-1**  
205 mm 165 mm



**MEYER**  
**ST-017**  
Repositioning forceps  
for fingers, with drill  
guide for KIRSCHNER  
wires up to daim. 1.0 mm  
17 cm



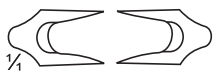
**LEWIN**  
**ST-018**  
180 mm



REPOSITIONING, BONE HOLDING FORCEPS



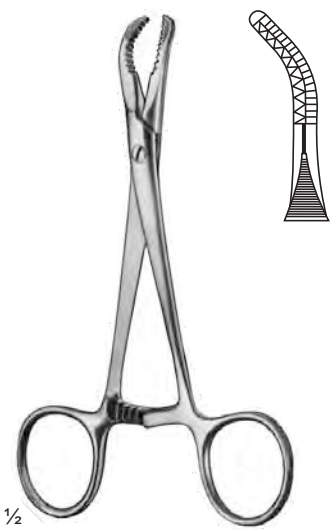
**PATELLA FORCEPS**  
**ST-019**  
185 mm



**Forceps with ratchet fixation**  
**ST-020**  
140 mm



**ST-021**  
120 mm



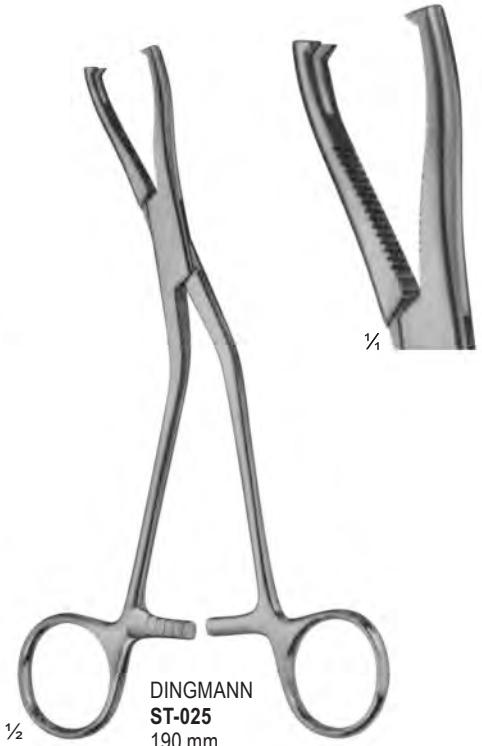
**SETTER**  
**ST-022**  
135 mm



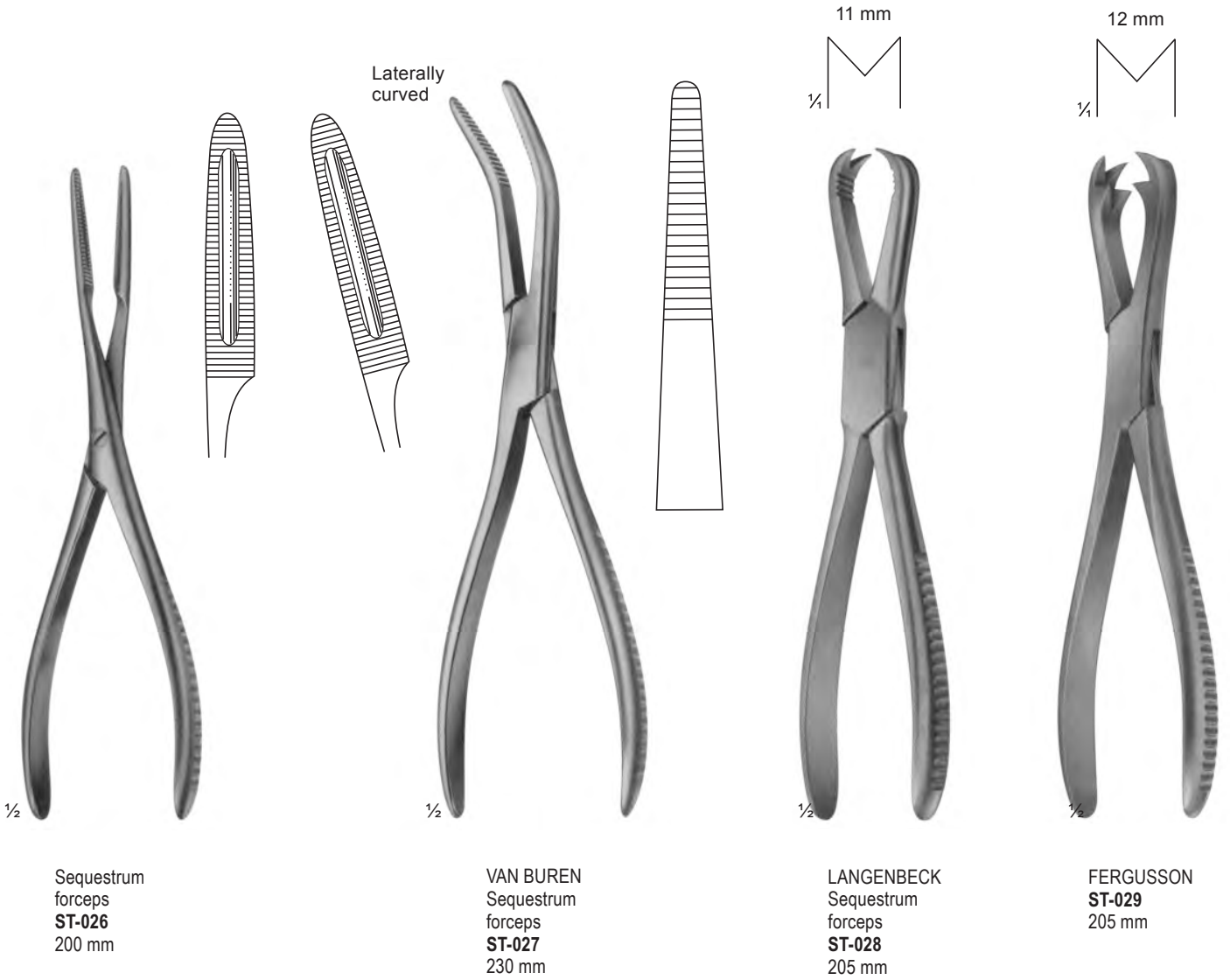
**SETTER**  
**ST-023**  
170 mm



**SETTER**  
**ST-024**  
235 mm



**DINGMANN**  
**ST-025**  
190 mm

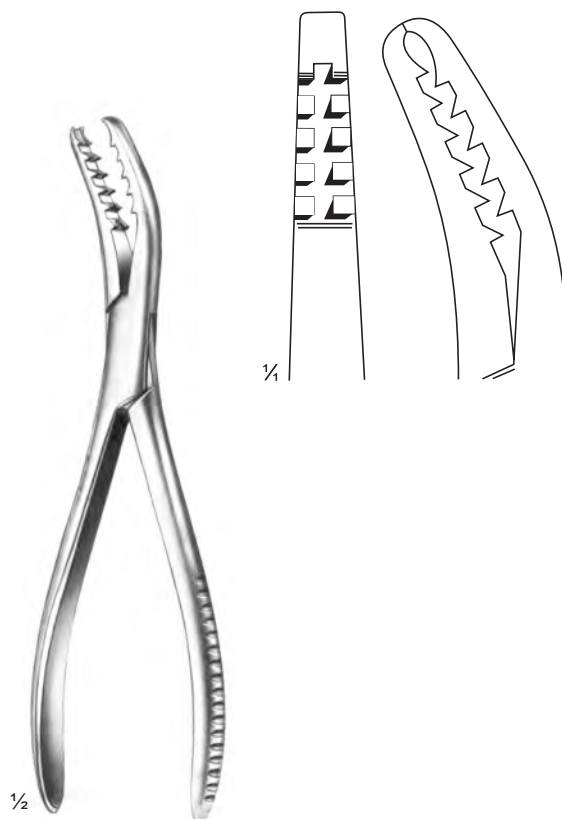
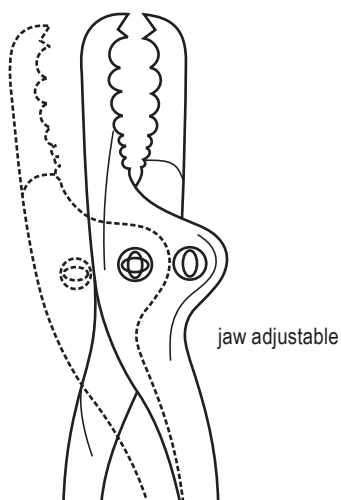




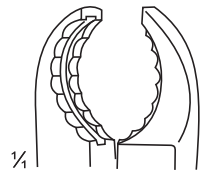
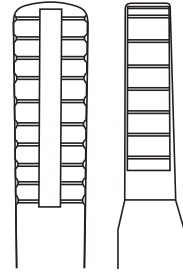
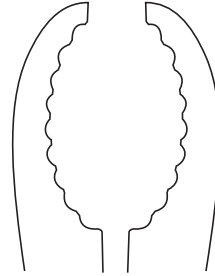
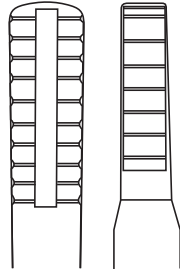
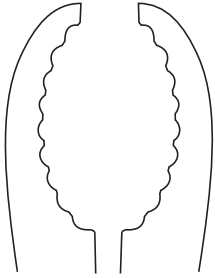
BONE HOLDING, REPOSITIONING FORCEPS



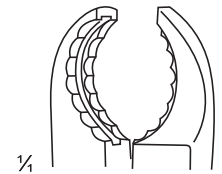
SEM B  
ST-030  
190 mm



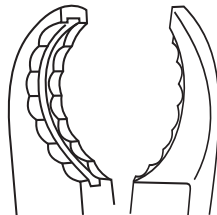
SEM B  
ST-031  
195 mm



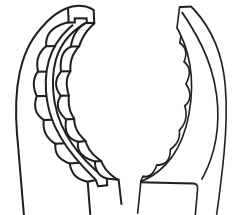
**ST-032**  
230 mm



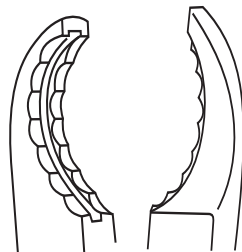
**ST-035**  
230 mm



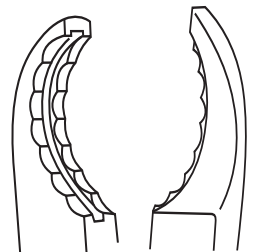
**ST-033**  
250 mm



**ST-036**  
250 mm



**ST-034**  
280 mm



**ST-037**  
270 mm



**ULRICH**  
**ST-035 - ST-037**  
With thread Fixation





BONE HOLDING FORCEPS



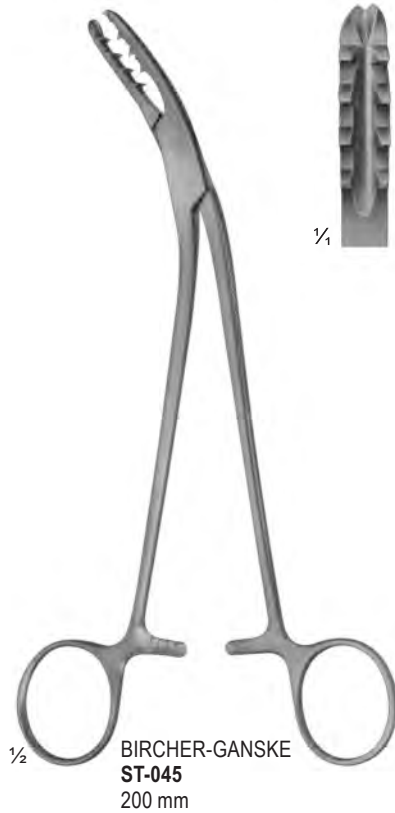
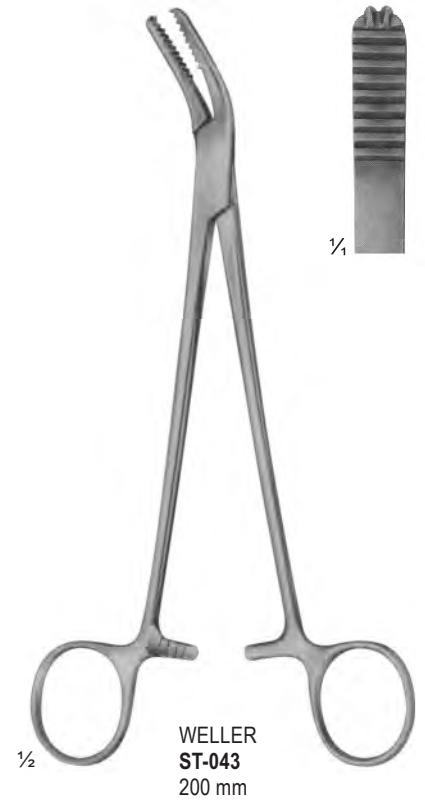
FARABEU  
ST-038  
230 mm



FARABEU  
ST-039  
255 mm



FARABEU-LAMBOTTE  
ST-040  
255 mm





MALLETS



∅ 20 mm

1/2

**ST-047**  
MEAD  
185 g  
with interchangeable  
plastic disks  
190 mm  
pair of spare disks



1/2

**ST-048**  
140 g  
with interchangeable  
plastic disks  
185 mm  
**ST-049**  
pair of spare disks



∅ 25 mm

1/2

**ST-050**  
COTTLE  
140 g  
1 Seite convex  
1 Side convex  
185 mm



∅ 22 mm

1/2

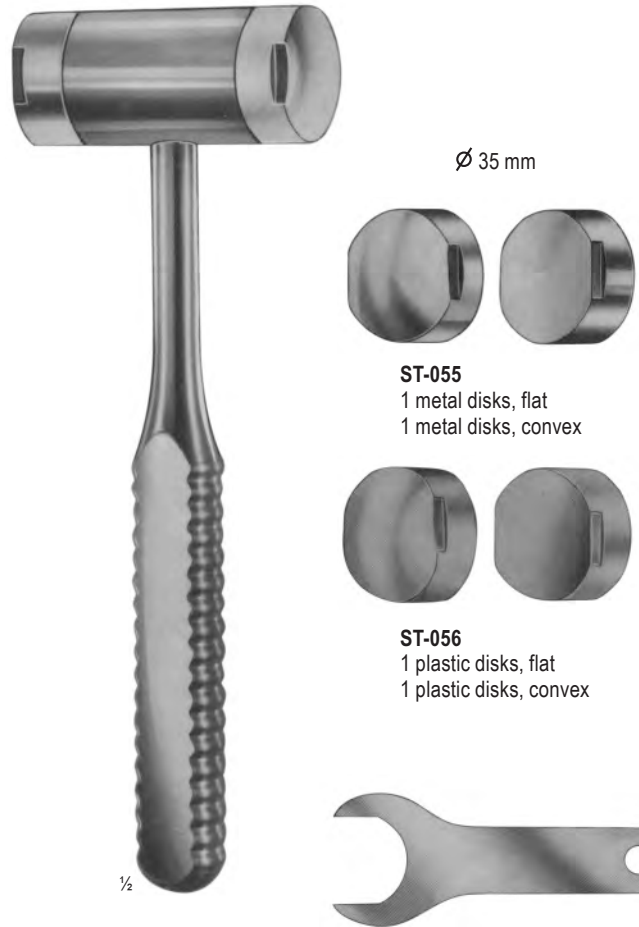
**ST-051**  
165 g  
lead filled head  
190 mm



HAJEK  
140 g  
**ST-052**  
215 mm



**ST-053**  
215 g  
with interchangeable  
plastic disks  
245 mm  
**ST-054**  
pair of spare disks



WAGNER  
complete with:  
1 pair of metal disks and  
1 pair of plastic disks and  
1 wrench 566  
**ST-055 - ST-057**  
235 mm

Wrench  
**ST-057**  
  
Mallet without disks 130 g



MALLETS



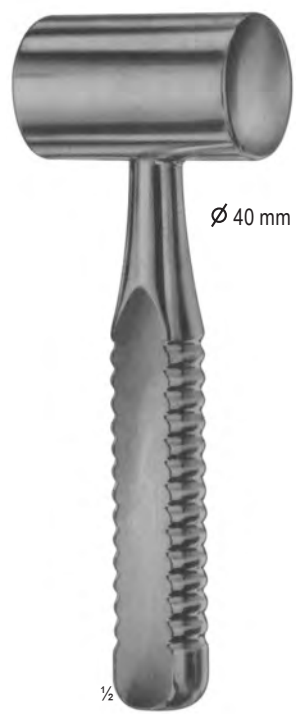
BERGMANN  
ST-058  
245 mm



BERGMANN  
ST-059  
235 mm



OMBREDANNE  
ST-060  
240 mm



HEATH  
copper filled head  
700 g  
ST-061  
185 mm



½

WILLIGER  
ST-062 - ST-064  
Lead Filled

<b>ST-062</b>	
Weight	Head
275 g	Ø 26 mm
<b>ST-063</b>	
Weight	Head
320 g	Ø 28 mm
<b>ST-064</b>	
Weight	Head
340 g	Ø 30 mm



½

DOYEN  
ST-065 - ST-067

<b>ST-065</b>	
Weight	Head
120 g	Ø 25 mm
<b>ST-066</b>	
Weight	Head
180 g	Ø 30 mm
<b>ST-067</b>	
Weight	Head
260 g	Ø 35 mm



MALLETS



1/2

**PARTSCH  
ST-068**  
With Hollow Handle  
190 mm

Weight Head  
175 g Ø27 mm



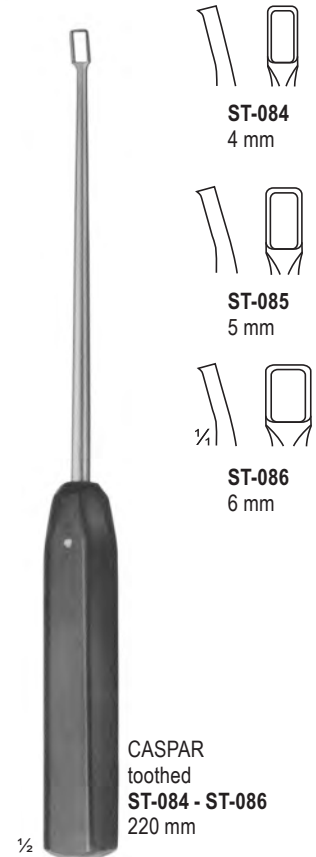
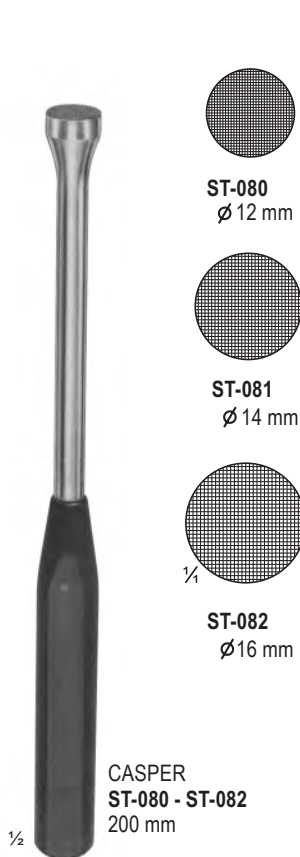
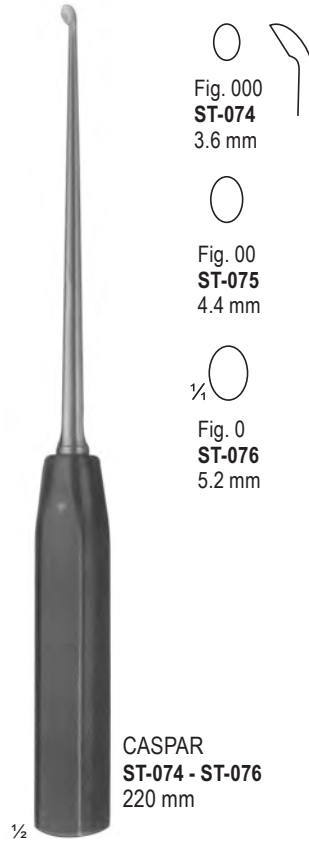
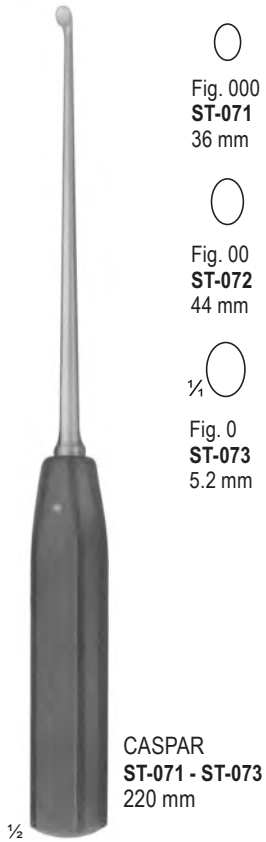
**VIKERS  
ST-069**  
190 mm

Weight Head  
185 g Ø25 mm



**HERBERT  
ST-070**  
For Ulna Head Prosthesis  
190 mm

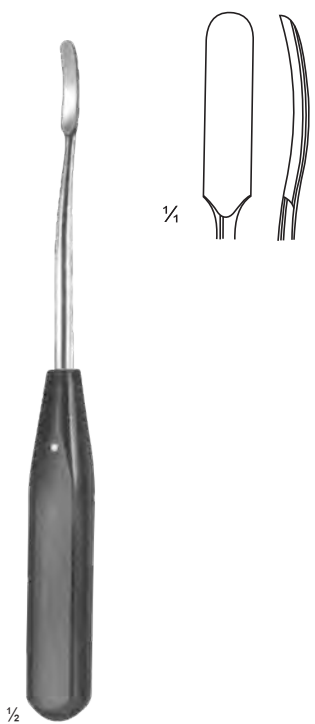
Weight Head  
215 g Ø25 mm



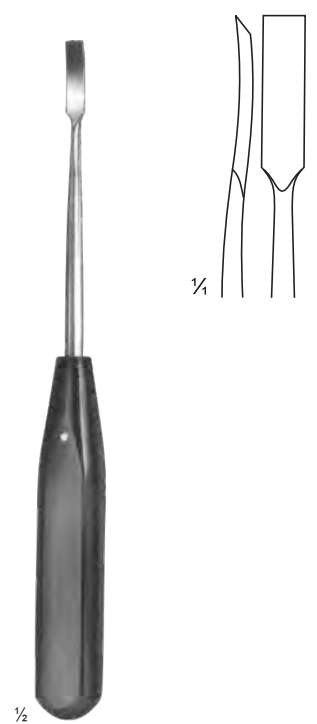




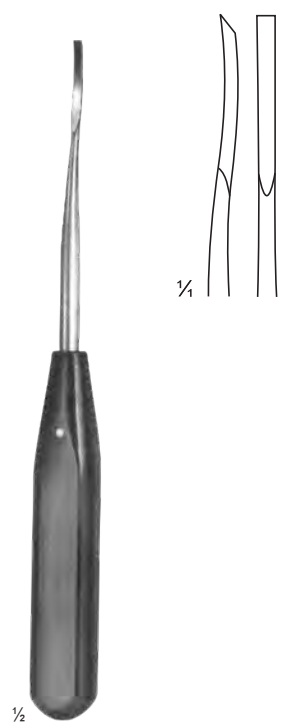
OSTEOTOMES, GOUGES



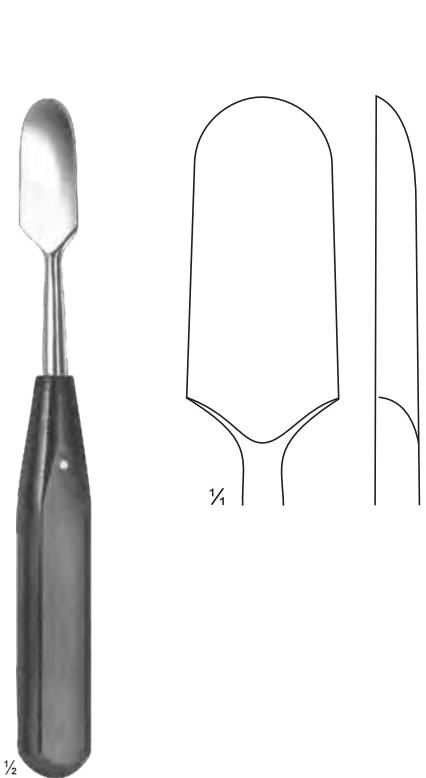
**ST-087**  
180 mm  
6 mm



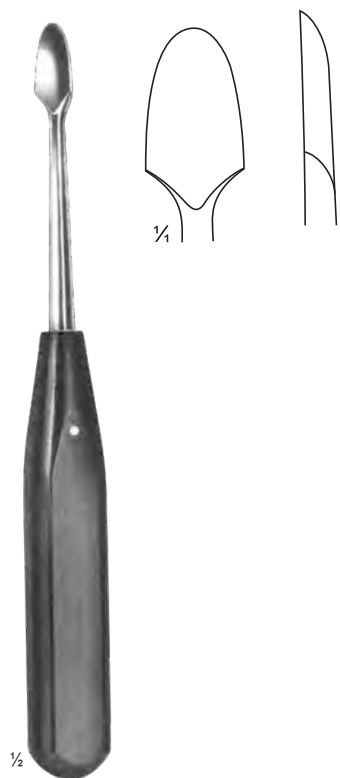
**ST-088**  
180 mm  
6 mm



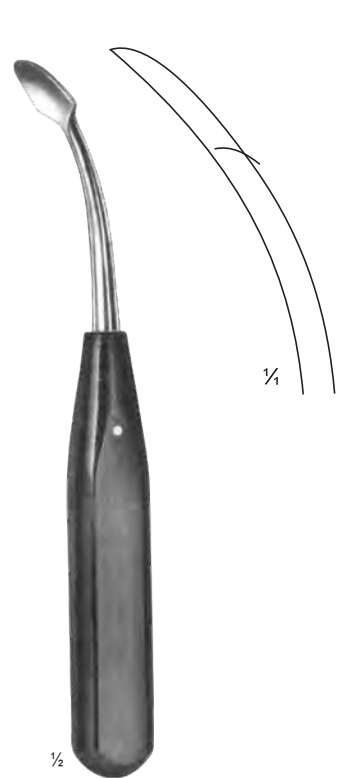
**ST-089**  
180 mm  
3 mm



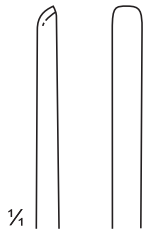
**ST-090**  
180 mm  
20 mm



**ST-091**  
200 mm  
14 mm

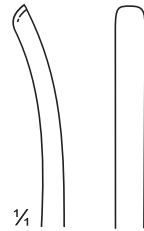


**ST-092**  
190 mm  
14 mm



**ST-093** 5 mm  
**ST-094** 10 mm  
**ST-095** 15 mm

LEXER  
**ST-093 - ST-095**  
 245 mm



**ST-096** 5 mm  
**ST-097** 10 mm  
**ST-098** 15 mm

LEXER  
**ST-096 - ST-098**  
 245 mm

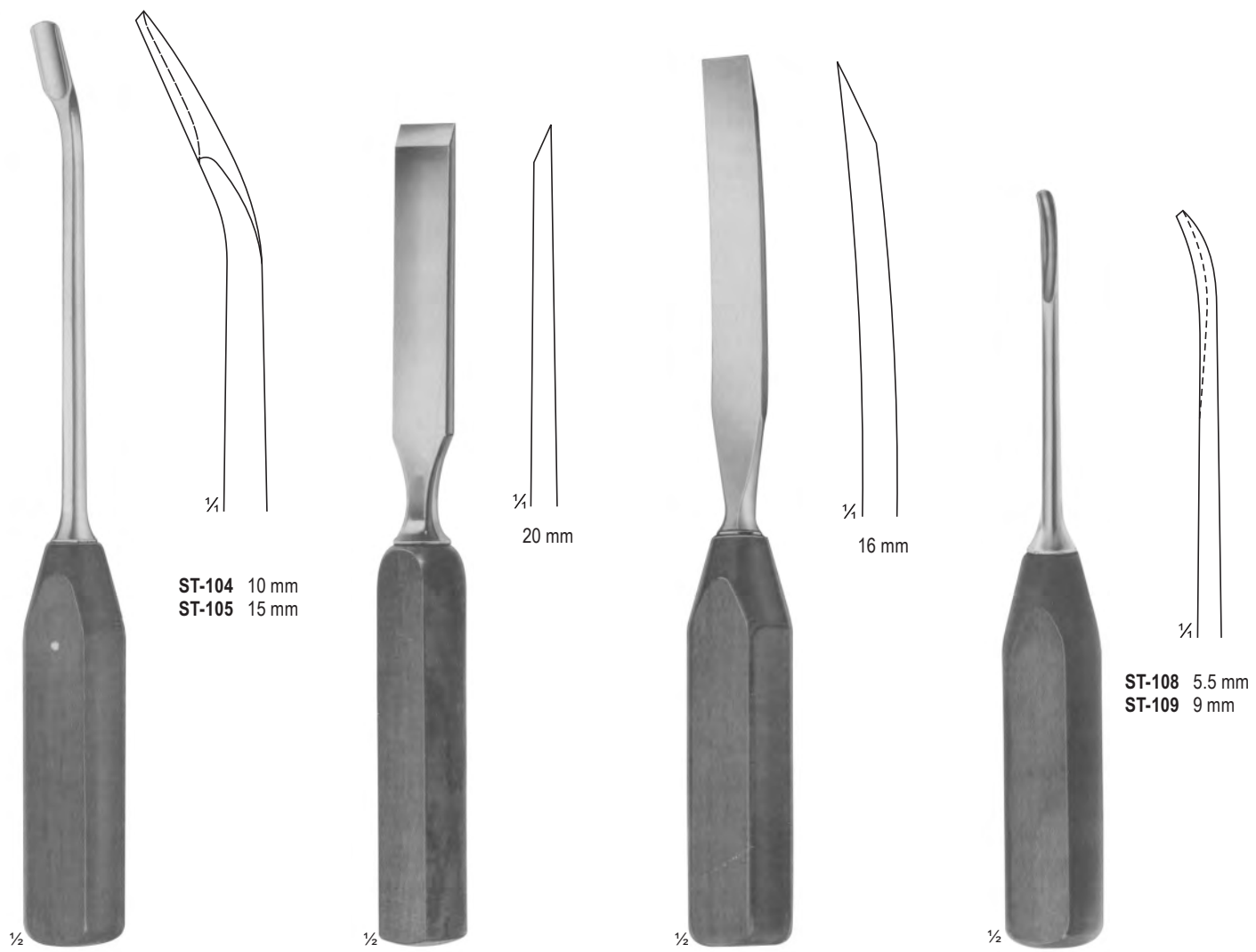


**ST-099** 4 mm  
**ST-100** 6 mm  
**ST-101** 8 mm  
**ST-102** 10 mm  
**ST-103** 12 mm

LEXER-MINI  
**ST-099 - ST-103**  
 180 mm



OSTEOTOMES, CHISELS AND GOUGES WITH HANDLE



**LEXER**  
**ST-104 - ST-105**  
Gougues,  
angled  
275 mm

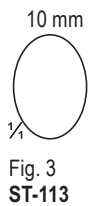
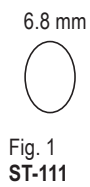
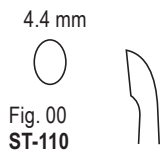
Chisel  
**ST-106**  
245 mm

Chisel  
curved  
**ST-107**  
265 mm

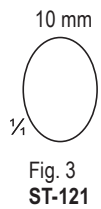
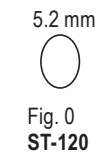
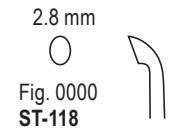
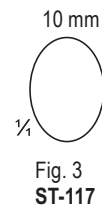
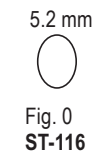
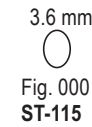
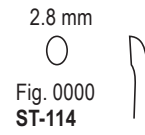
**ZIELKE**  
**ST-108 - ST-109**  
Gouge for  
scoliose-operations  
230 mm



**ST-110 - ST-113**  
270 mm



**SYPERT**  
**ST-114 - ST-121**  
380 mm

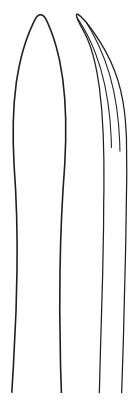




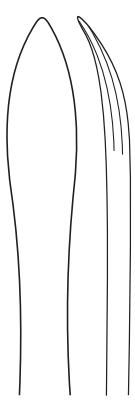
OSTEOTOMES, CHISELS AND GOUGES WITH HANDLE



LANGENBECK  
ST-122 - ST-123



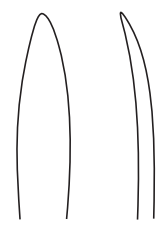
ST-122  
200 mm



ST-123  
200 mm



QUERVAIN  
ST-124  
200 mm



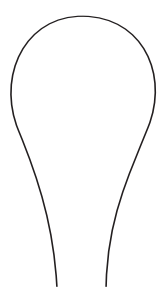
COBB  
ST-125 - ST-127



ST-125  
28 cm



ST-126  
280 mm



ST-127  
280 mm



ST-128 - ST-133  
ST-128 170 mm  
ST-129 170 mm  
ST-130 170 mm  
ST-131 170 mm  
ST-132 190 mm  
ST-133 190 mm



- ST-134  
3 mm
- ST-135  
5 mm
- ST-136  
6 mm
- ST-137  
8 mm
- ST-138  
9 mm

HOKE  
ST-134 - ST-138  
170 mm



- ST-139  
6 mm
- ST-140  
13 mm
- ST-141  
19 mm
- ST-142  
25 mm
- ST-143  
32 mm

HIBBS  
ST-139 - ST-143  
245 mm



- ST-144  
6 mm
- ST-145  
13 mm
- ST-146  
19 mm
- ST-147  
25 mm
- ST-148  
32 mm

HIBBS  
ST-144 - ST-148  
245 mm



OSTEOTOMES



- ST-149**  
6 mm
- ST-150**  
9 mm
- ST-151**  
13 mm
- ST-152**  
16 mm
- ST-153**  
19 mm
- ST-154**  
25 mm
- ST-155**  
32 mm



1/2

SMITH-PETERSEN  
ST-149 - ST-155  
205 mm



- ST-156**  
6 mm
- ST-157**  
9 mm
- ST-158**  
13 mm
- ST-159**  
16 mm
- ST-160**  
19 mm
- ST-161**  
25 mm
- ST-162**  
32 mm



1/2

SMITH-PETERSEN  
ST-156 - ST-162  
205 mm



- ST-163**  
9 mm
- ST-164**  
14 mm
- ST-165**  
19 mm
- ST-166**  
25 mm



1/2

SMITH-PETERSEN  
ST-163 - ST-166  
205 mm

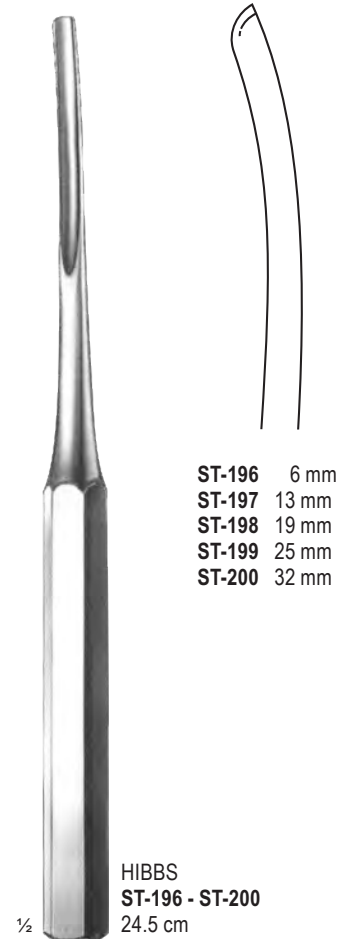
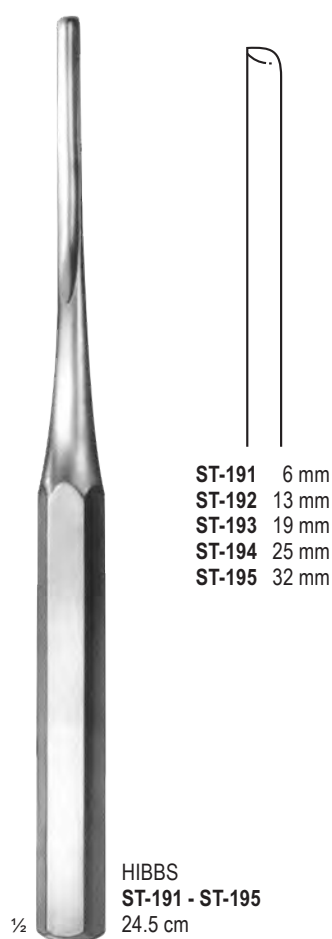
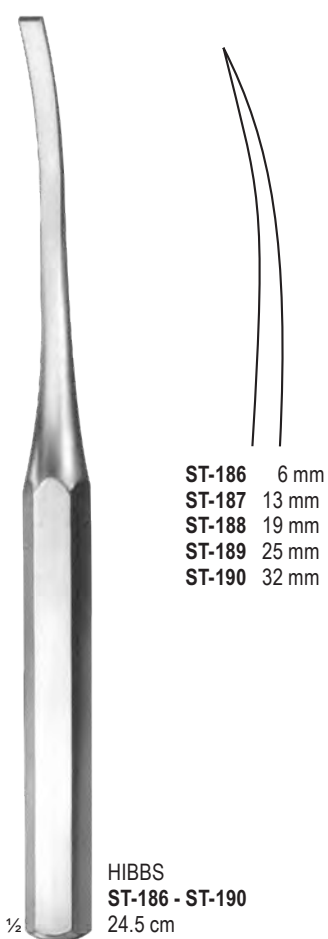
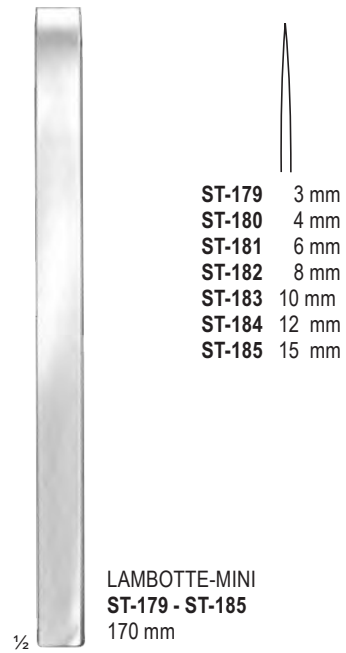
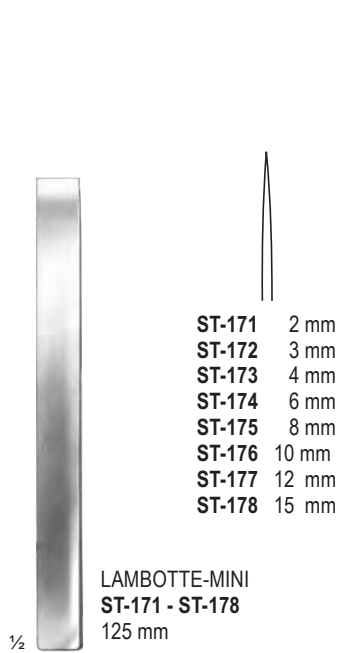


- ST-167**  
9 mm
- ST-168**  
14 mm
- ST-169**  
19 mm
- ST-170**  
25 mm



1/2

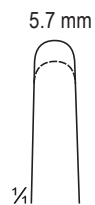
SMITH-PETERSEN  
ST-167 - ST-170  
205 mm







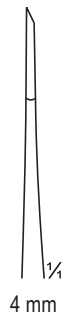
TAMPERS – OSTEOTOMES, CHISELS AND GOUGES



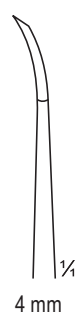
Haase  
**ST-201**  
100 mm



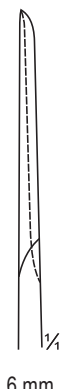
PASSOW  
**ST-202 - ST-203**  
120 mm



FREER  
Chisel  
**ST-204**  
160 mm



FREER  
Chisel, curved  
**ST-205**  
160 mm



FREER  
Gouge  
**ST-206**  
150 mm



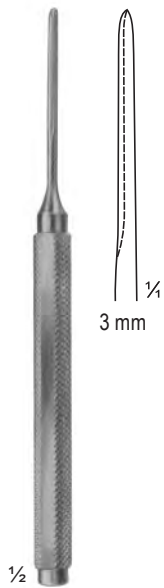
Scaphoid gouge,  
downwards curved  
**ST-207**  
135 mm



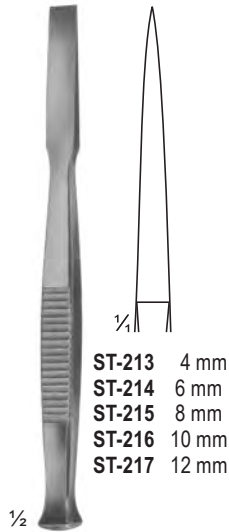
Scaphoid gouge,  
upwards curved  
**ST-208**  
135 mm



Mannerfelt  
**ST-209 - ST-211**  
**ST-209** 4 mm  
**ST-210** 6 mm  
**ST-211** 8 mm  
155 mm

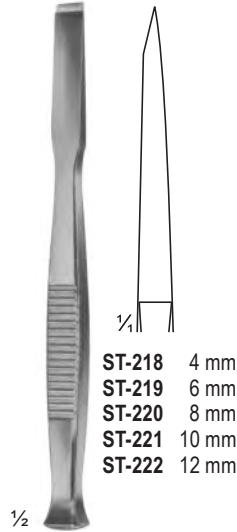


**ST-212**  
Mannerfelt  
155 mm



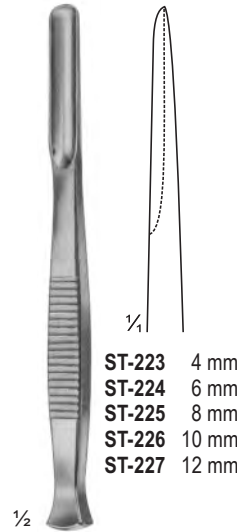
**ST-213 - ST-217**  
Osteotome  
140 mm

- ST-213** 4 mm
- ST-214** 6 mm
- ST-215** 8 mm
- ST-216** 10 mm
- ST-217** 12 mm



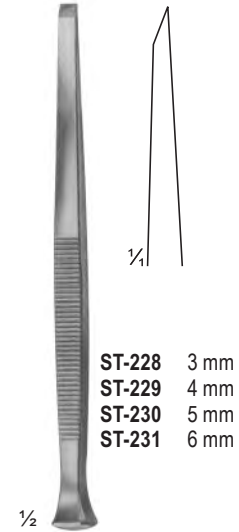
**ST-218 - ST-222**  
Chisels  
140 mm

- ST-218** 4 mm
- ST-219** 6 mm
- ST-220** 8 mm
- ST-221** 10 mm
- ST-222** 12 mm



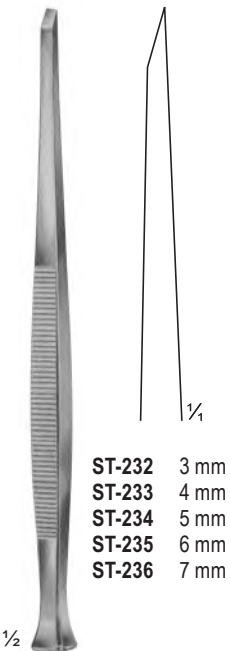
**ST-223 - ST-227**  
Gouges  
140 mm

- ST-223** 4 mm
- ST-224** 6 mm
- ST-225** 8 mm
- ST-226** 10 mm
- ST-227** 12 mm



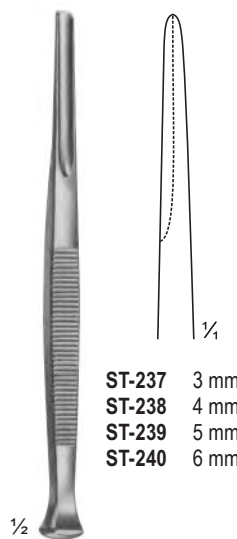
**PARTSCH**  
**ST-228 - ST-231**  
CHISELS  
140 mm

- ST-228** 3 mm
- ST-229** 4 mm
- ST-230** 5 mm
- ST-231** 6 mm



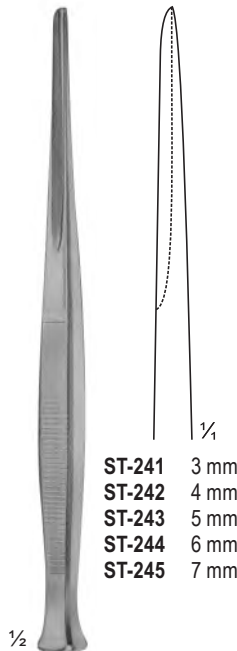
**PARTSCH**  
**ST-232 - ST-236**  
Chisels  
170 mm

- ST-232** 3 mm
- ST-233** 4 mm
- ST-234** 5 mm
- ST-235** 6 mm
- ST-236** 7 mm



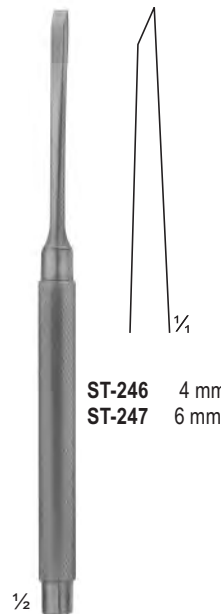
**PARTSCH**  
**ST-237 - ST-240**  
Gouges  
140 mm

- ST-237** 3 mm
- ST-238** 4 mm
- ST-239** 5 mm
- ST-240** 6 mm



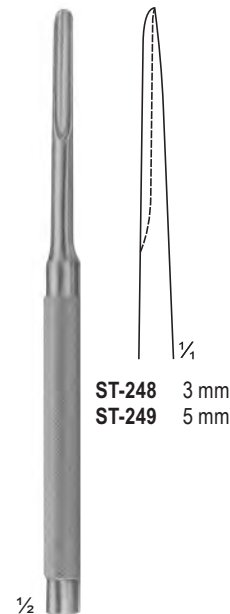
**PARTSCH**  
**ST-241 - ST-245**  
Gouges  
170 mm

- ST-241** 3 mm
- ST-242** 4 mm
- ST-243** 5 mm
- ST-244** 6 mm
- ST-245** 7 mm



**LUCAS**  
**ST-246 - ST-247**  
Chisels  
160 mm

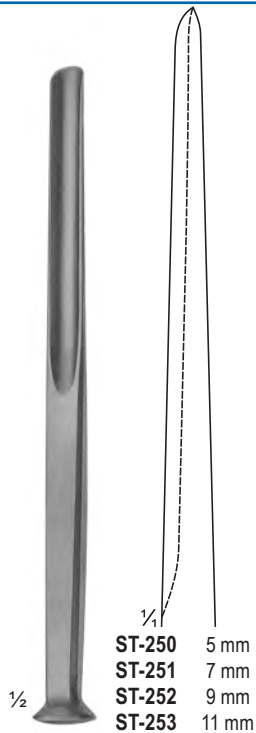
- ST-246** 4 mm
- ST-247** 6 mm



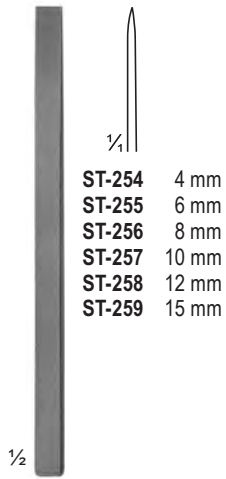
**LUCAS**  
**ST-248 - ST-249**  
Gouges  
160 mm

- ST-248** 3 mm
- ST-249** 5 mm

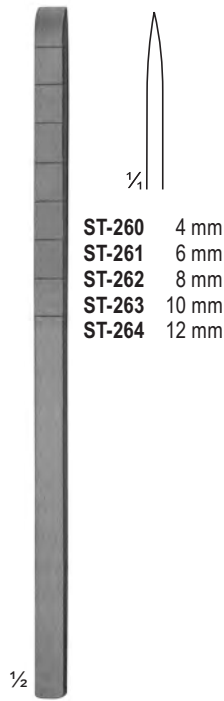
## OSTEOTOMES CHISELS AND GOUGES



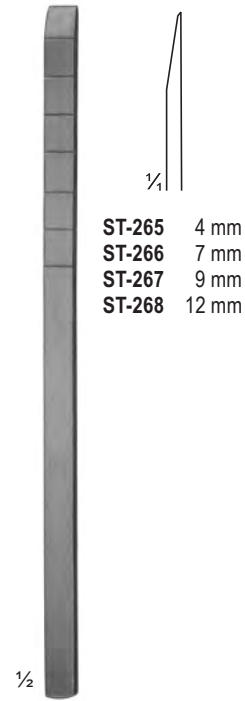
**ALEXANDER**  
**ST-250 - ST-253**  
Gouges  
170 mm



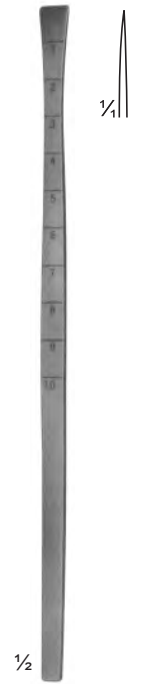
**LAMBOTTE**  
**ST-254 - ST-259**  
Osteotome  
125 mm



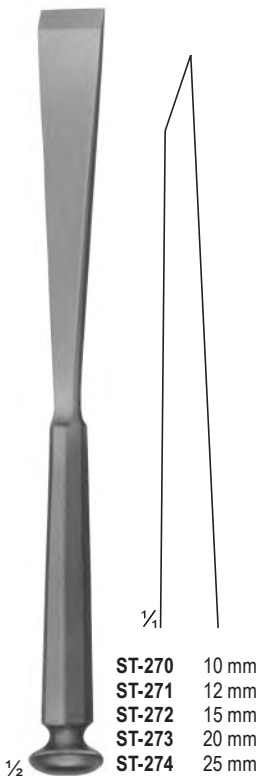
**COTTLE**  
**ST-260 - ST-264**  
Osteotome with depth markings  
180 mm



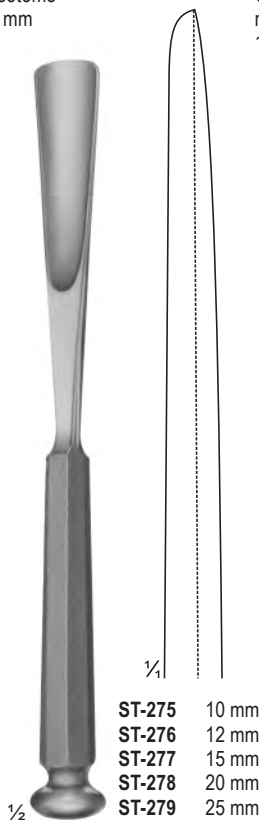
**COTTLE**  
**ST-265 - ST-268**  
Chisel-Osteotomes with depth markings  
180 mm



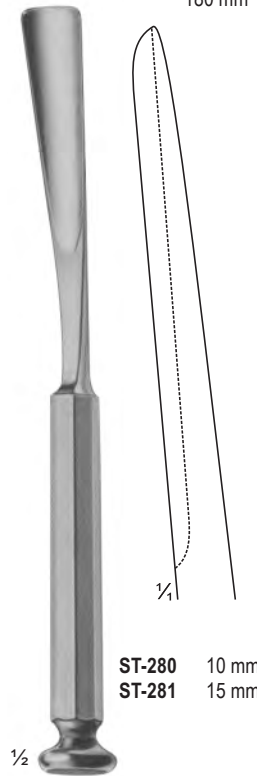
**COTTLE**  
**ST-269**  
Fishtail Chisel, with protected ends  
180 mm



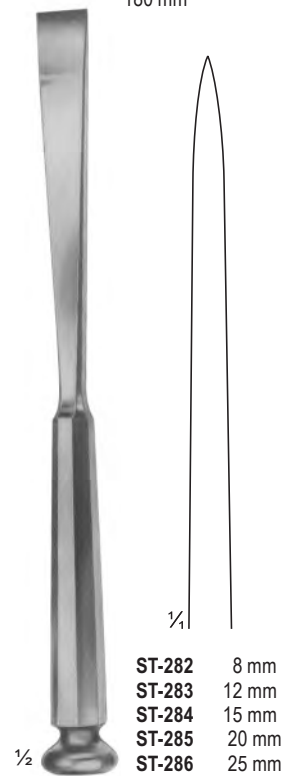
**STILLE**  
**ST-270 - ST-274**  
Chisels  
205 mm



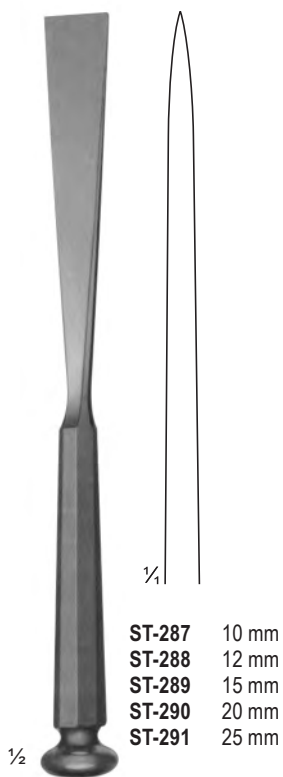
**STILLE**  
**ST-275 - ST-279**  
Gouges  
205 mm



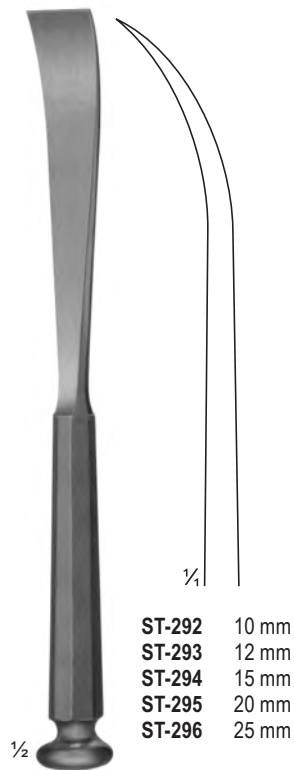
**WALTER**  
**ST-280 - ST-281**  
Osteotomes  
gouges for taking grafts from the rib  
205 mm



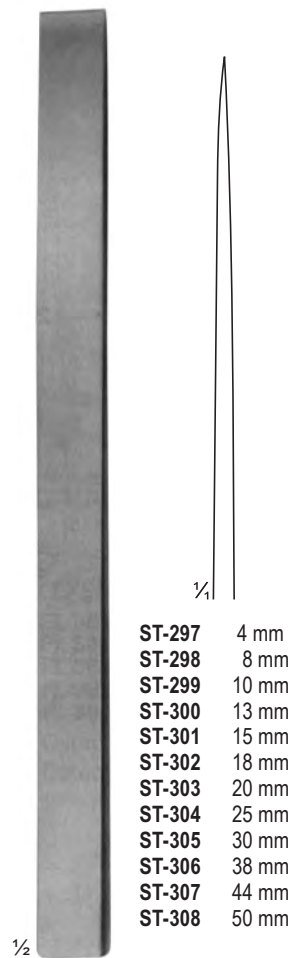
**STILLE**  
**ST-282 - ST-286**  
Osteotomes  
205 mm



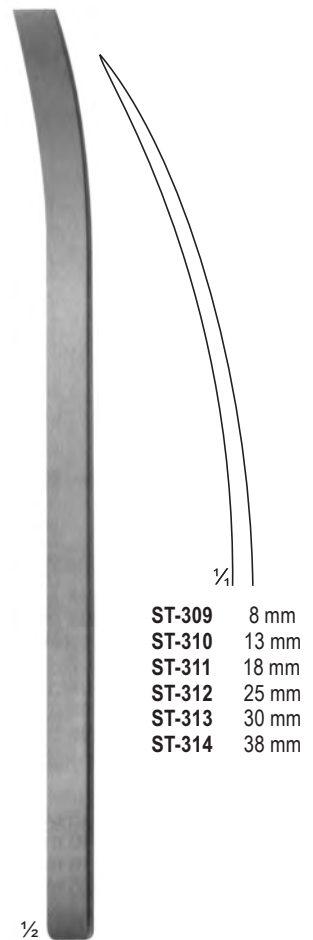
**STILLE**  
**ST-287 - ST-291**  
Osteotomes  
205 mm



**STILLE**  
**ST-292 - ST-296**  
Osteotomes, curved  
205 mm

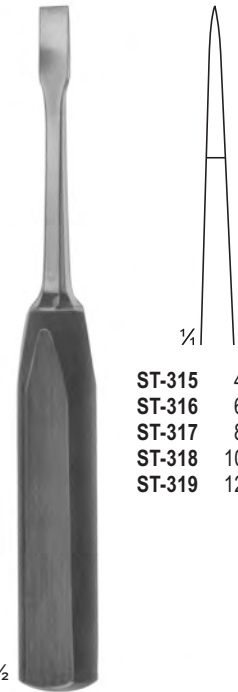


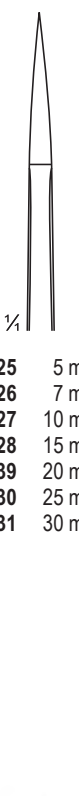



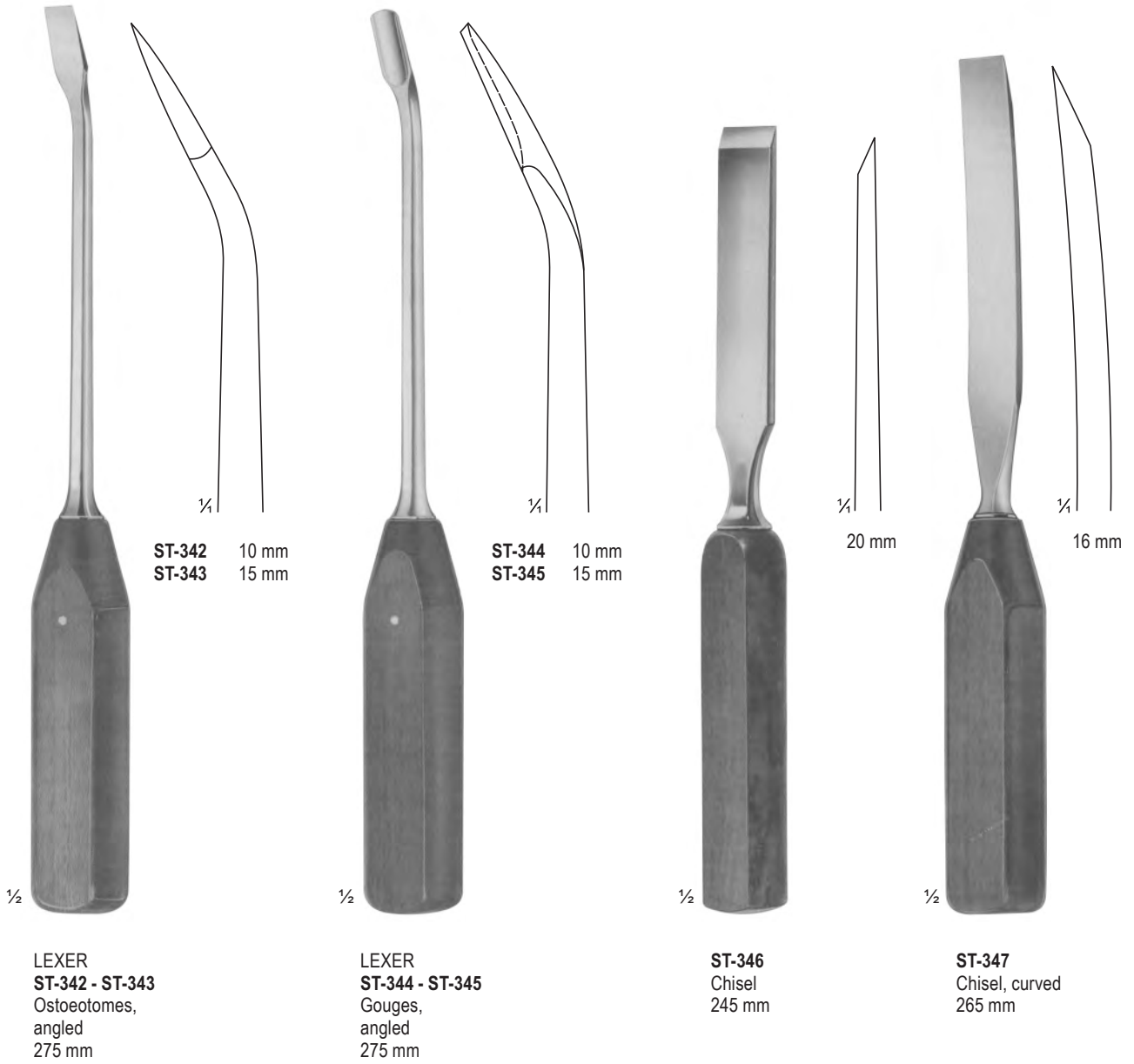
**LAMBOTTE**  
**ST-297 - ST-308**  
Osteotomes  
245 mm



**LAMBOTTE**  
**ST-309 - ST-314**  
Osteotomes, curved  
245 mm

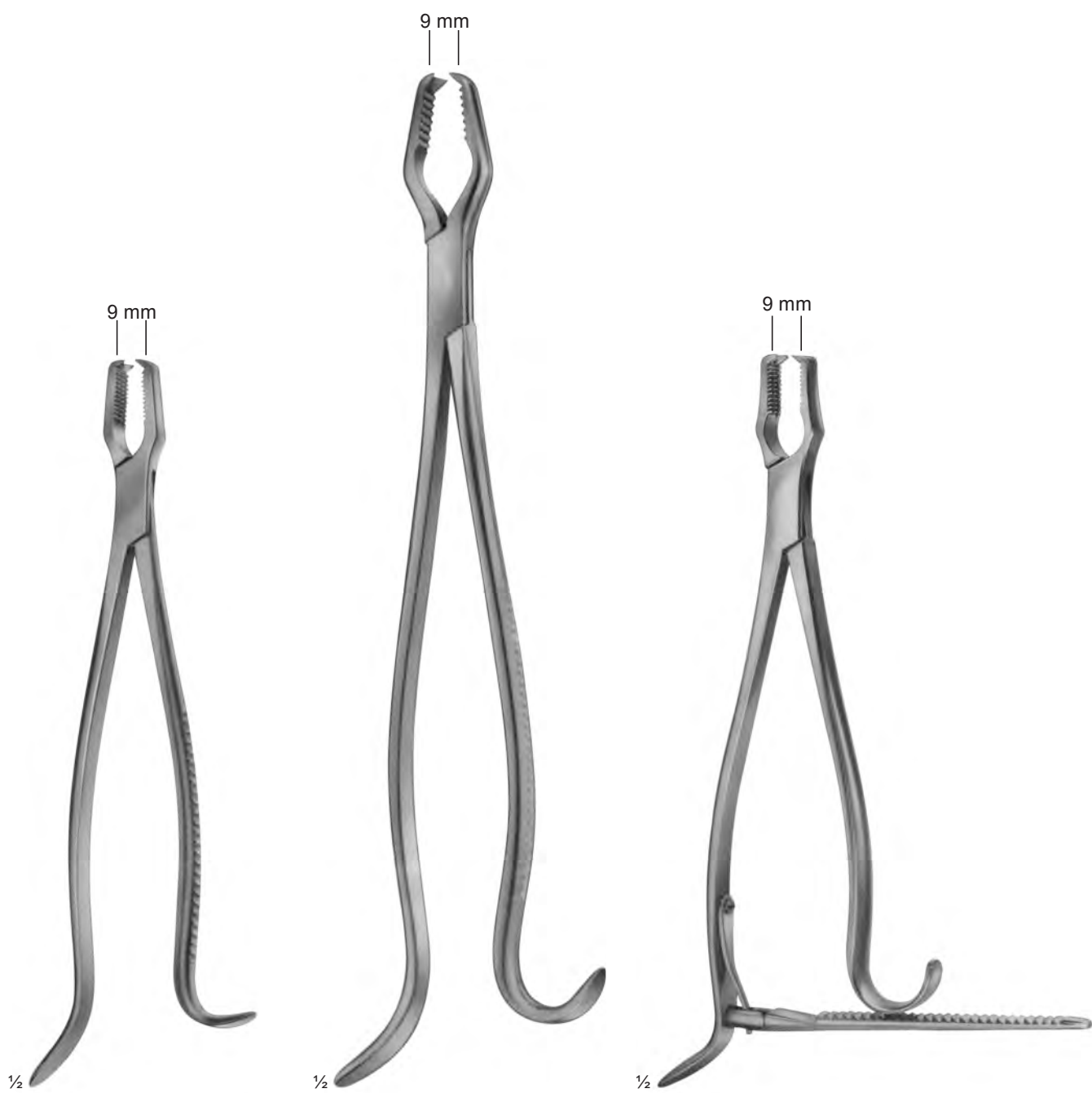
OSTEOTOMES, CHISELS AND GOUGES WITH HARTPRESS -HANDLE

 <p>LEXER-MINI ST-315 - ST-319 Osteotomes 180 mm</p>	 <p>LEXER-MINI ST-320 - ST-324 Gouges 180 mm</p>	 <p>LEXER ST-325 - ST-331 Osteotomes 220 mm</p>	 <p>LEXER ST-332 - ST-338 Gouges 220 mm</p>	 <p>ZIELKE ST-340 - ST-341 Gouge for scoliose-operations 230 mm</p>
<p>ST-315 4 mm ST-316 6 mm ST-317 8 mm ST-318 10 mm ST-319 12 mm</p>	<p>ST-320 4 mm ST-321 6 mm ST-322 8 mm ST-323 10 mm ST-324 12 mm</p>	<p>ST-325 5 mm ST-326 7 mm ST-327 10 mm ST-328 15 mm ST-339 20 mm ST-330 25 mm ST-331 30 mm</p>	<p>ST-332 5 mm ST-333 7 mm ST-334 10 mm ST-335 15 mm ST-336 20 mm ST-337 25 mm ST-338 30 mm</p>	<p>ST-340 5,5 mm ST-341 9,0 mm</p>





BONE HOLDING FORCEPS



**ST-348**  
KERN-LANE  
240 mm

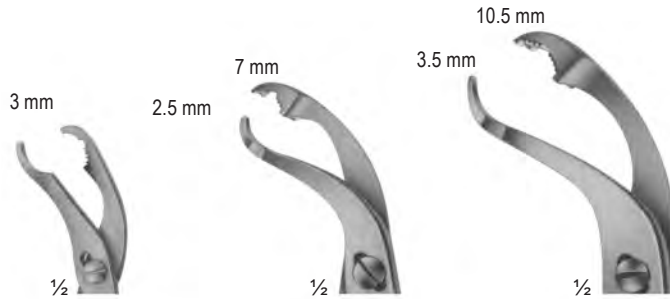
**ST-349**  
LANE  
330 mm

**ST-350**     **ST-350-1**  
KERN-LANE     KERN-LANE  
240 mm     150 mm



**ST-351 - ST-355**

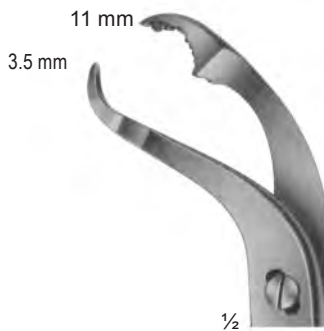
- ST-351** 145 mm
- ST-352** 190 mm
- ST-353** 240 mm
- ST-354** 260 mm
- ST-355** 280 mm



**ST-351**  
for small  
fragments

**ST-352**  
Fig: 0

**ST-353**  
Fig: 1



**ST-354**  
Fig: 2

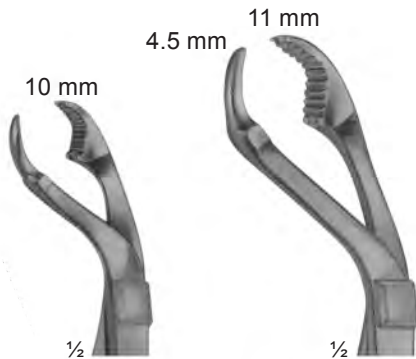
**ST-355**  
Fig: 3

Self-centering forceps  
with thread fixation



**ST-356 - ST-358**  
VERBRUGGE  
with lip joint

- 255 mm
- 265 mm
- 270 mm



**ST-356**  
Fig: 1

**ST-357**  
Fig: 2



**ST-358**  
Fig: 3



**ST-359**  
LAMBOTTE  
265 mm





BONE CLAMPS



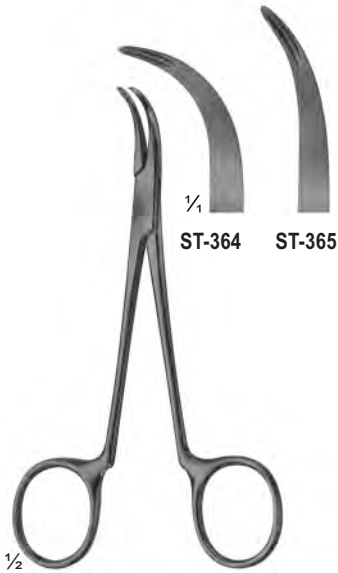
**ST-360 - ST-361**  
LOWMAN  
ST-360 170 mm  
ST-361 205 mm



**ST-362**  
LOWMAN-GERSTER  
210 mm



**ST-363**  
LOWMAN-HOGLUND  
175 mm



**ST-364 - ST-365**  
Synovectomy rongeur  
width of jaws 1.2 mm  
130 mm



**ST-366 - ST-367**  
Synovectomy rongeur  
width of jaws 2.0 mm  
130 mm



**ST-368**  
STELLBRINK  
Synovectomy rongeur  
175 mm



**ST-369**  
STELLBRINK  
Synovectomy rongeur  
170 mm



**ST-370**  
LURE-FRIEDMANN  
145 mm



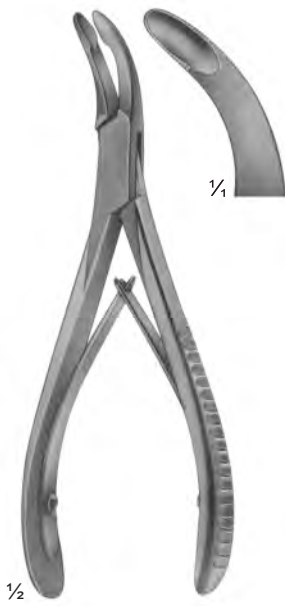
**ST-371**  
140 mm



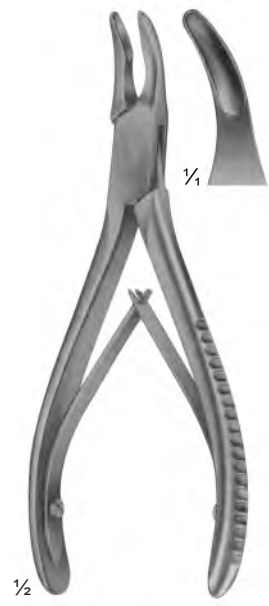
BONE RONGEURS



**ST-372**  
LURE  
150 mm



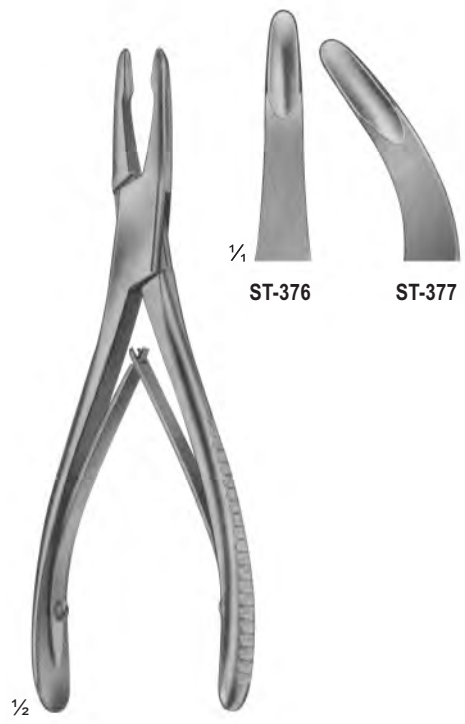
**ST-373**  
LURE  
155 mm



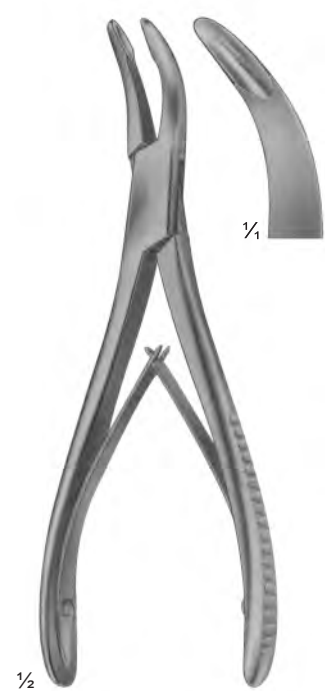
**ST-374**  
BLUMENTHAL  
155 mm



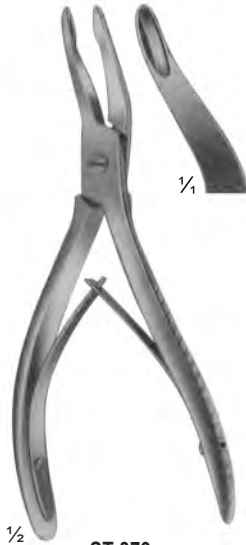
**ST-375**  
BLUMENTHAL  
150 mm



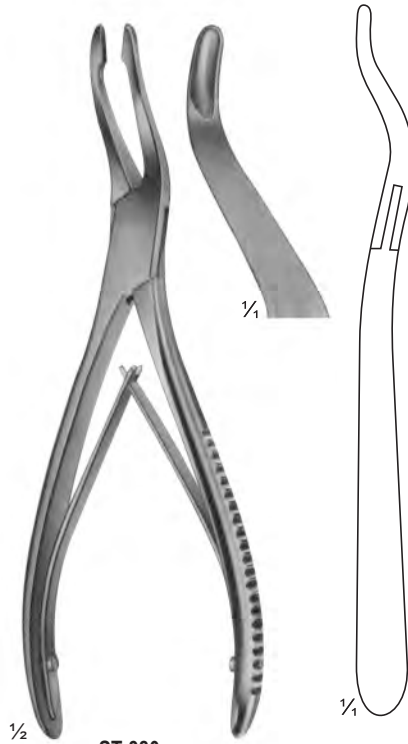
**ST-376 - ST-377**  
JANSEN  
175 mm



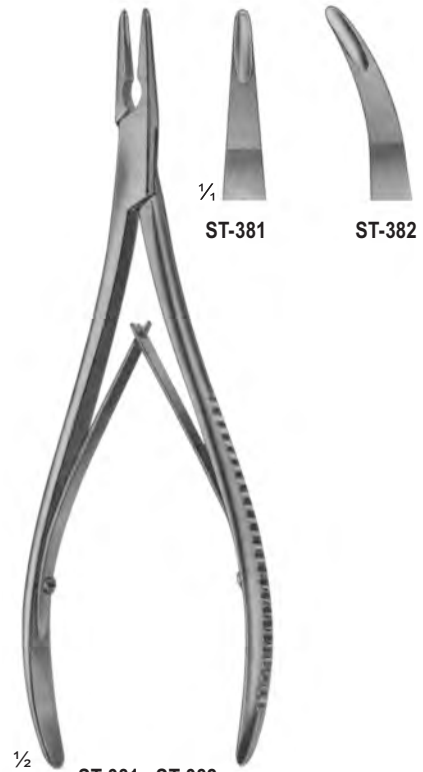
**ST-378**  
BANE-HARTMANN  
175 mm



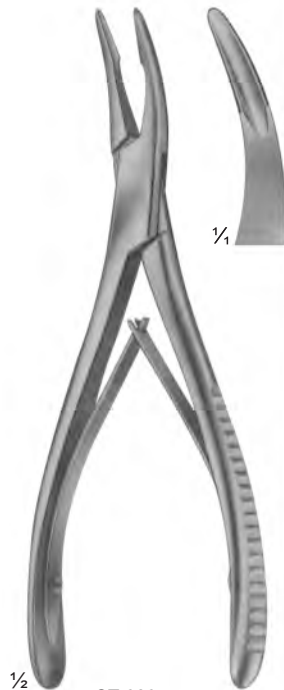
**ST-379**  
ALEXANDER  
140 mm



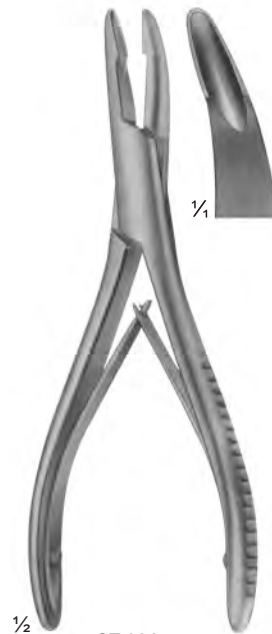
**ST-380**  
JANSEN  
190 mm



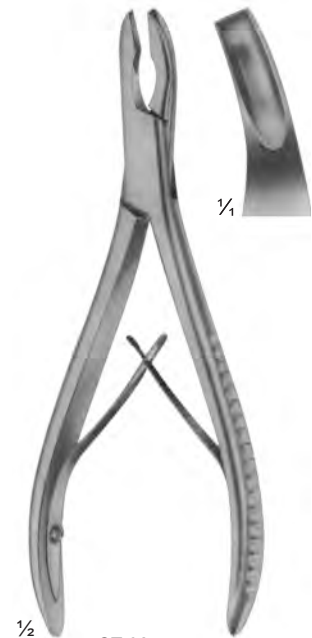
**ST-381 - ST-382**  
LEMPERT  
200 mm



**ST-383**  
BEYER  
180 mm



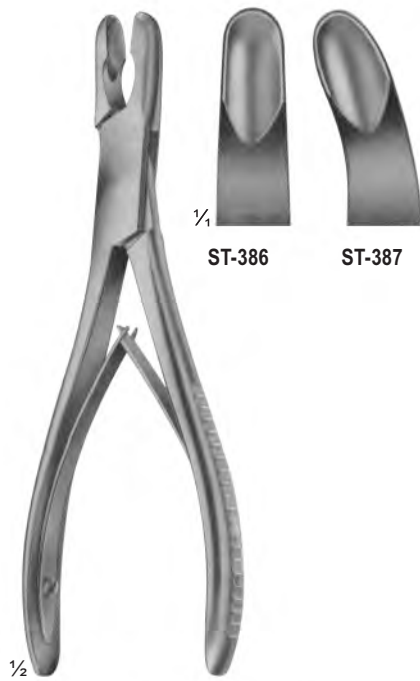
**ST-384**  
MEAD  
165 mm



**ST-385**  
MEAD  
165 mm

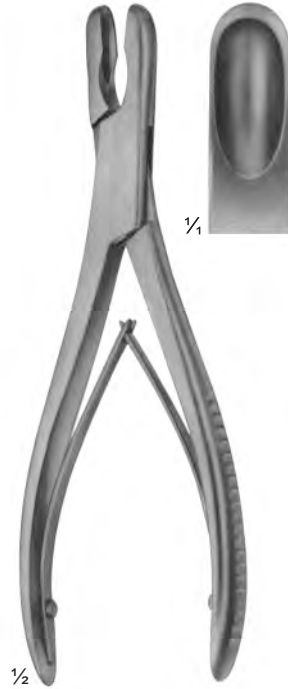


BONE RONGEURS

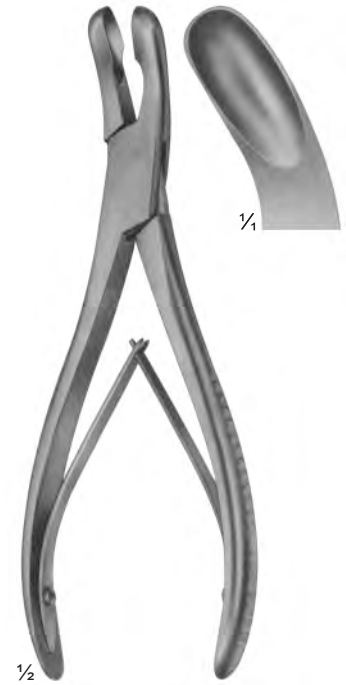


**ST-386**      **ST-387**

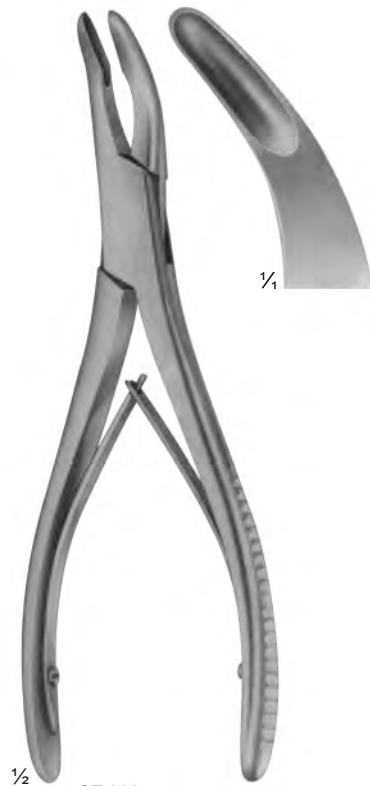
$\frac{1}{2}$   
**ST-386 - ST-387**  
LURE  
175 mm



$\frac{1}{2}$   
**ST-388**  
LURE  
180 mm



$\frac{1}{2}$   
**ST-399**  
LURE  
180 mm



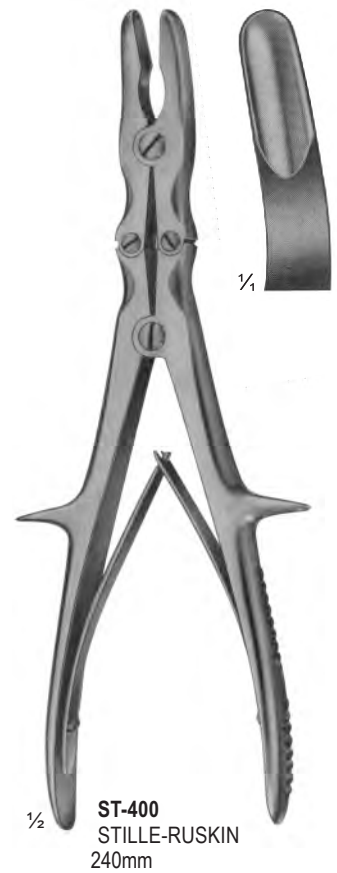
$\frac{1}{2}$   
**ST-390**  
OLIVECRONA  
205 mm



$\frac{1}{2}$   
**ST-391 - ST-392**  
BOHLER  
155 mm

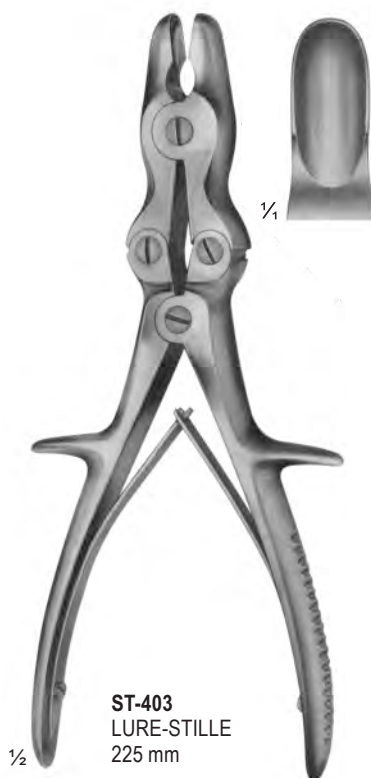
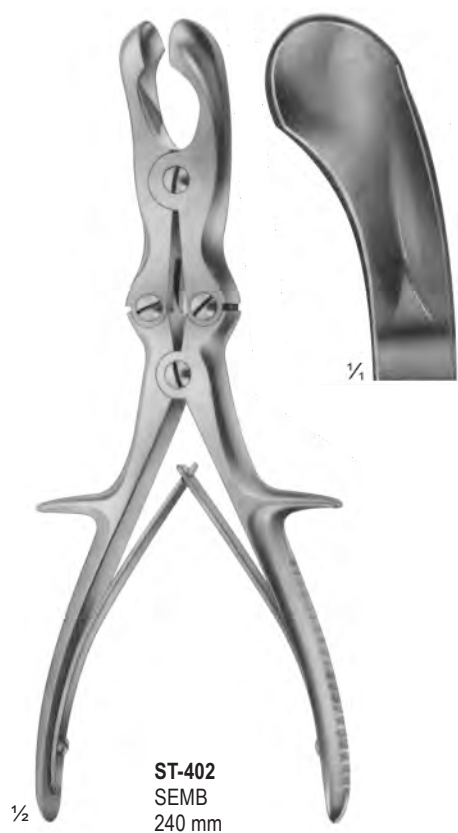
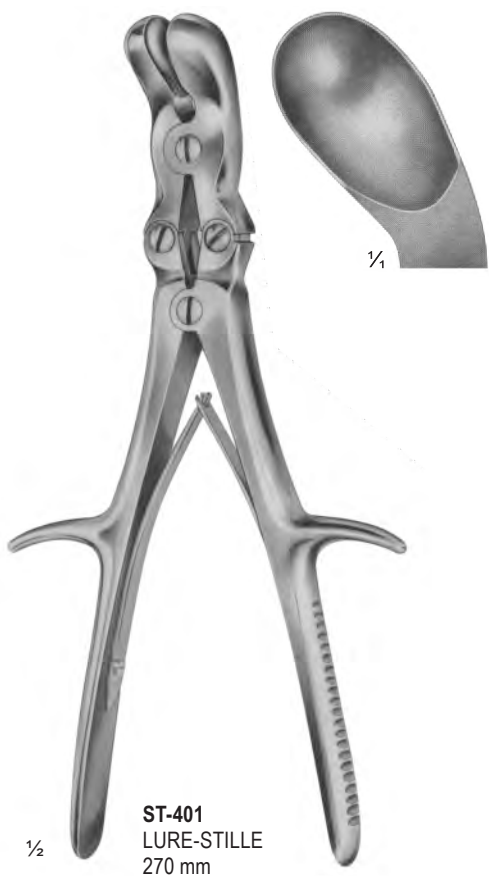


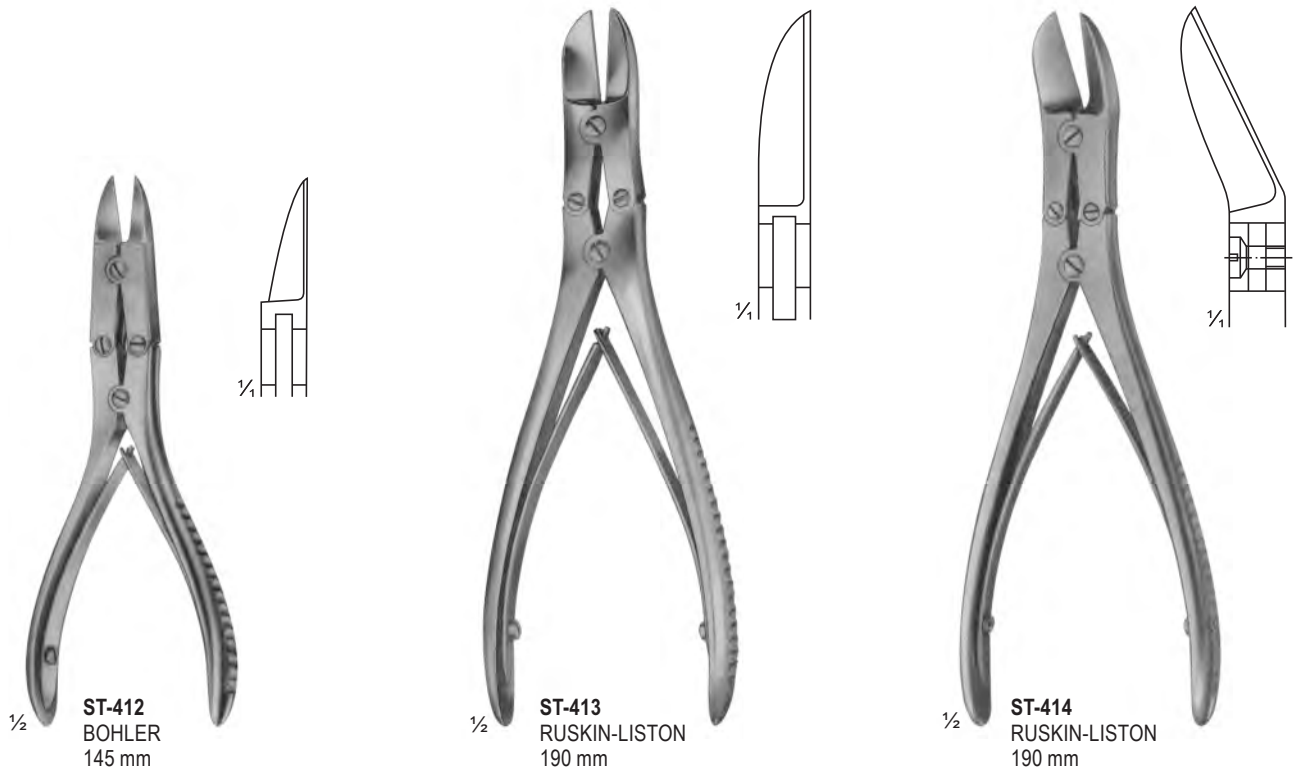
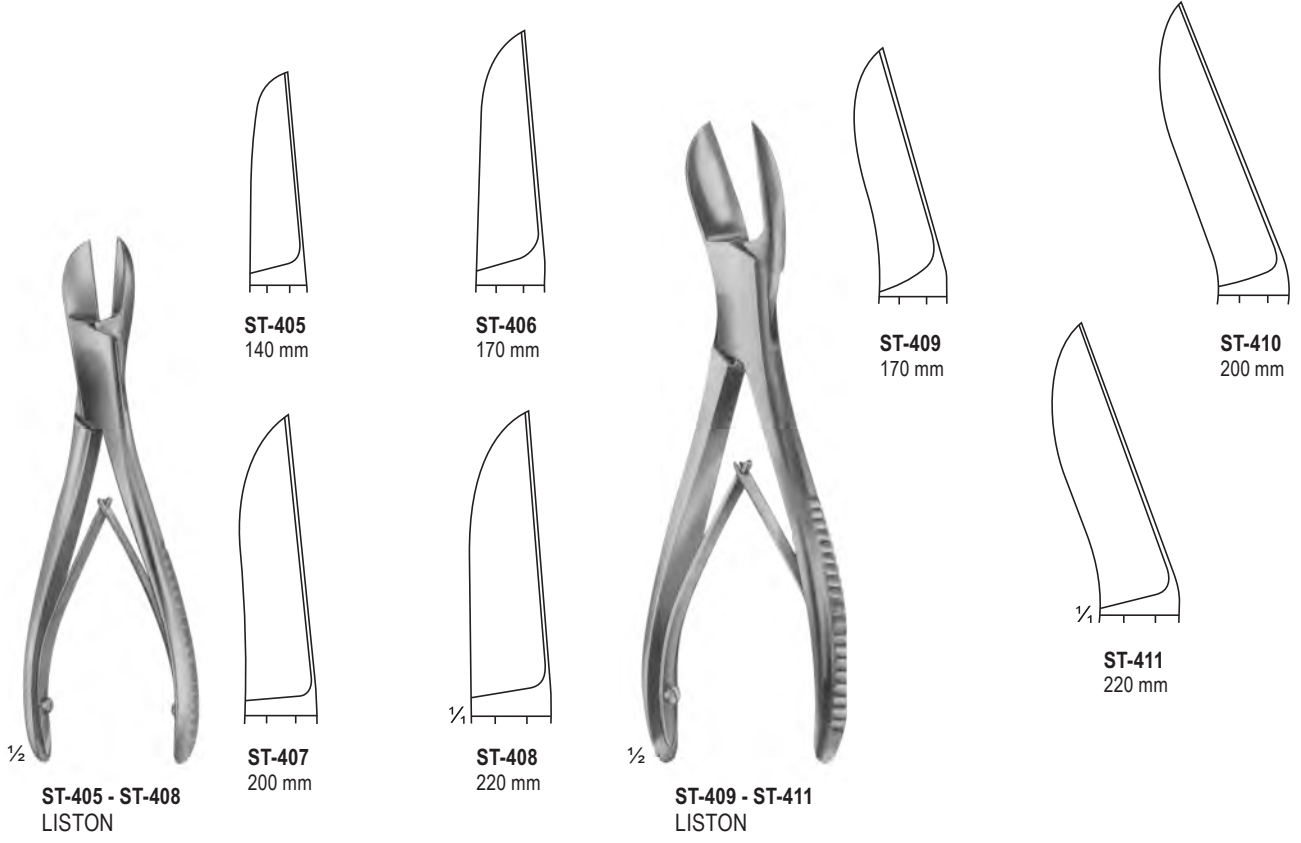
$\frac{1}{2}$   
**ST-393**  
MARQUARTD  
200 mm





BONE RONGEURS

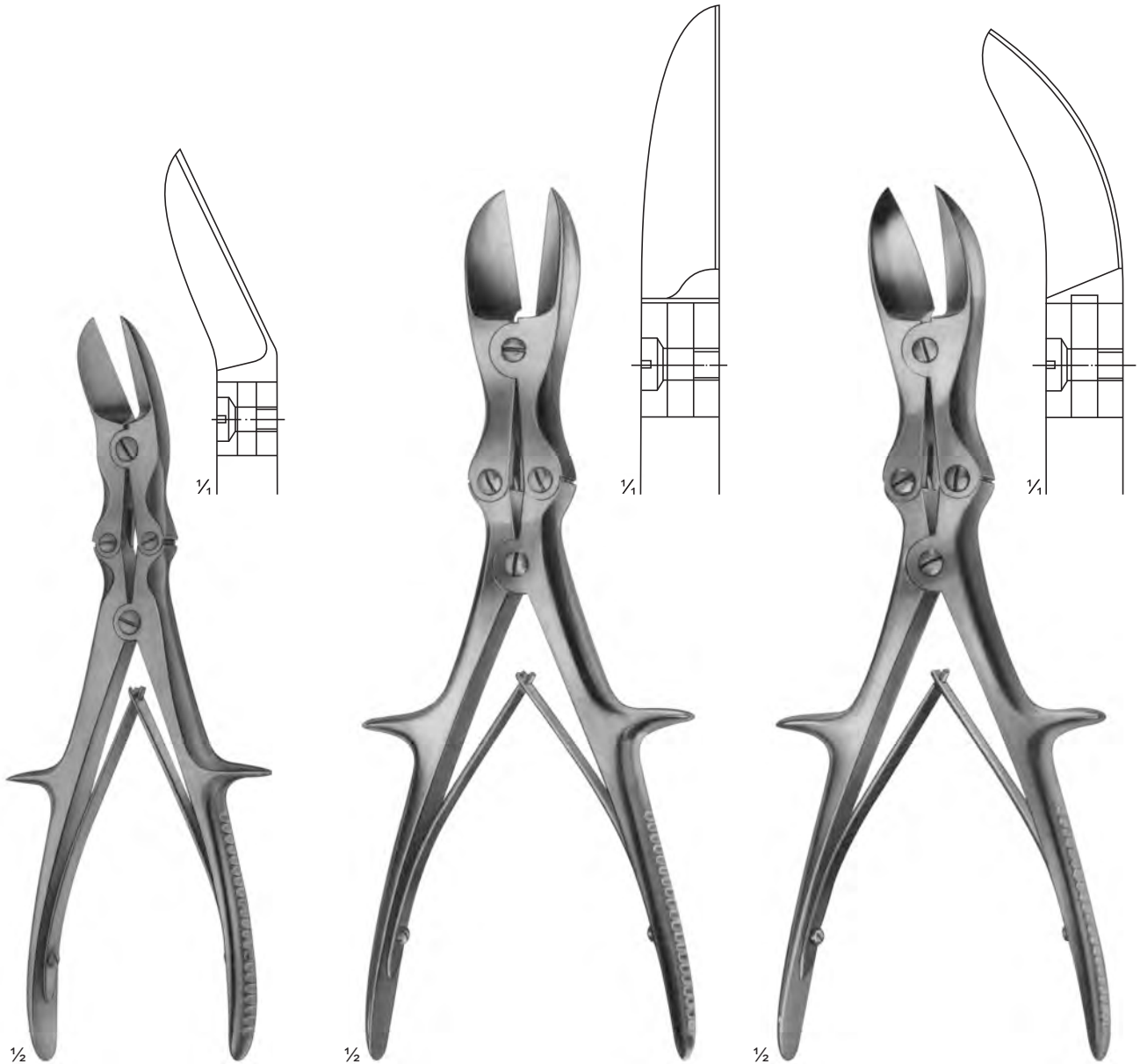








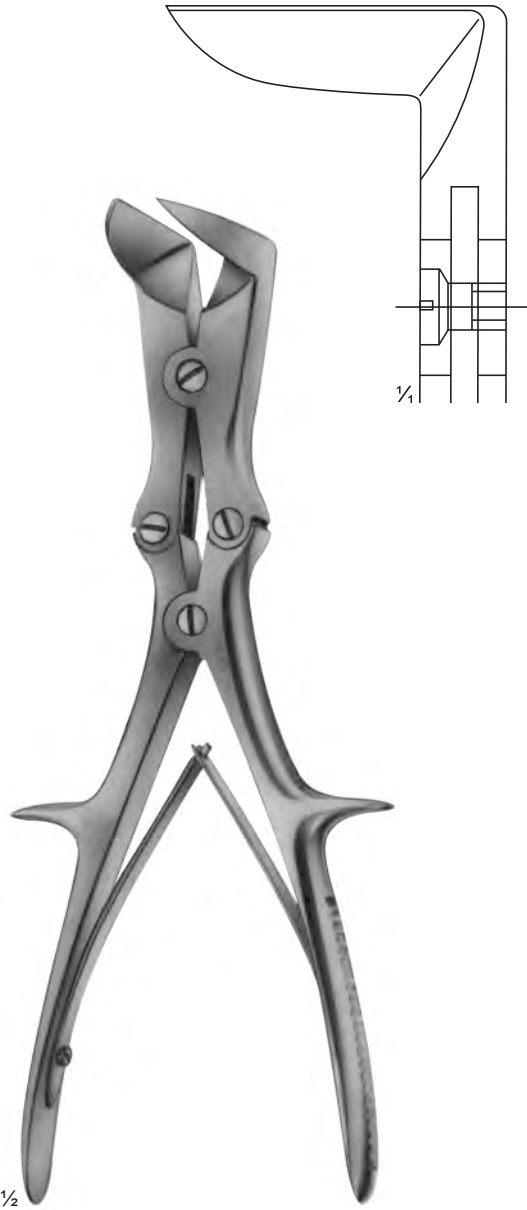
BONE CUTTING FORCEPS



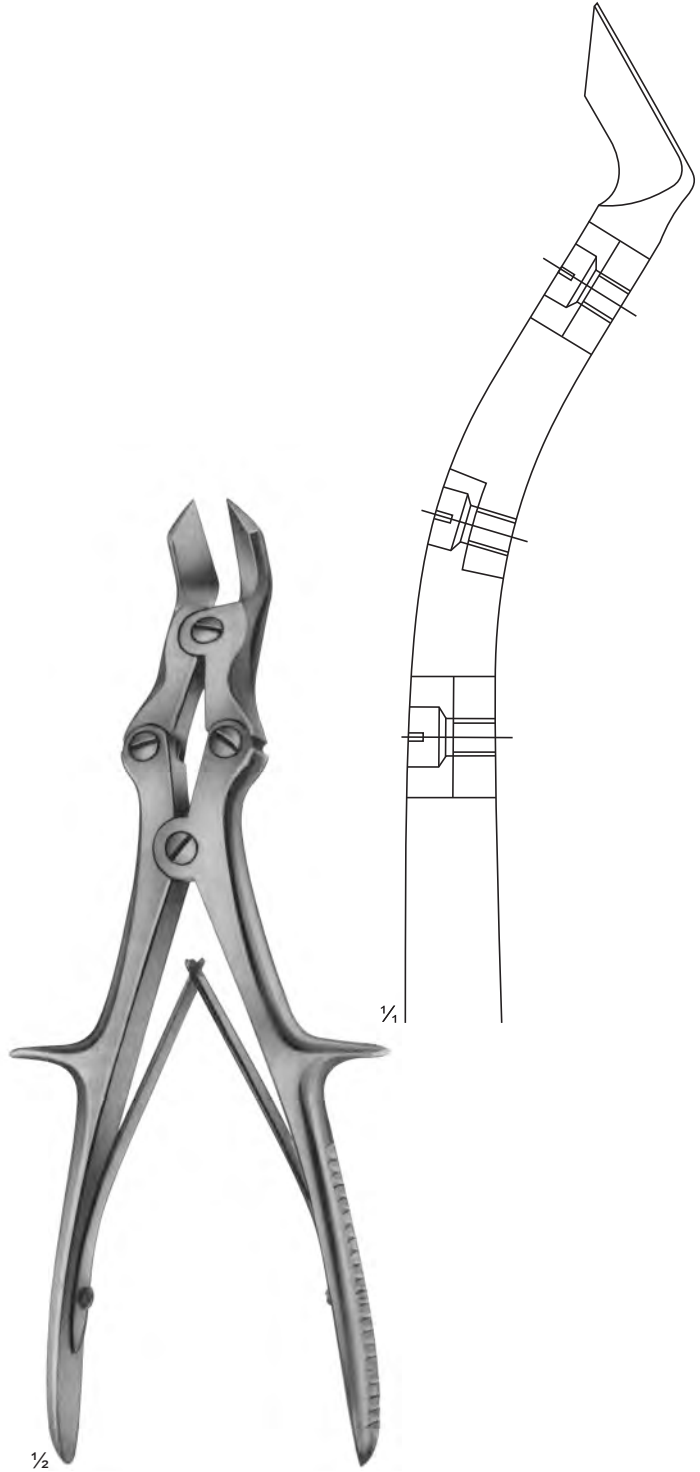
**ST-415**  
LISTON  
curved on flat  
240 mm

**ST-416**  
LISTON  
straight  
280 mm

**ST-417**  
LISTON  
curved on flat  
280 mm

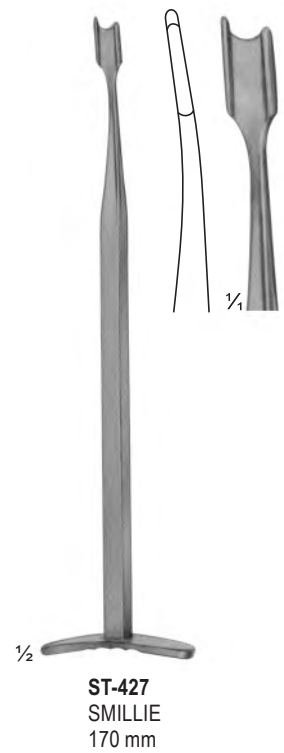
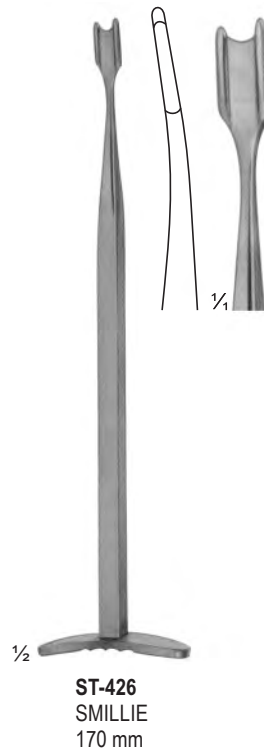
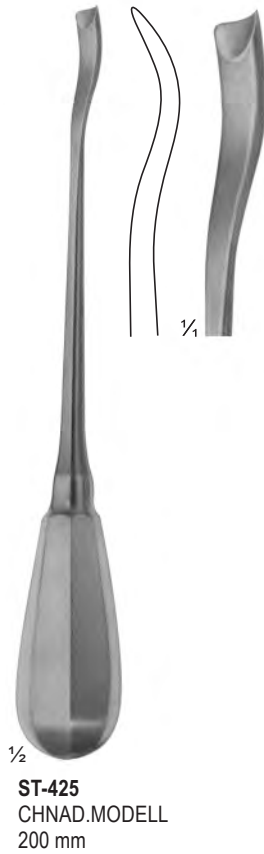
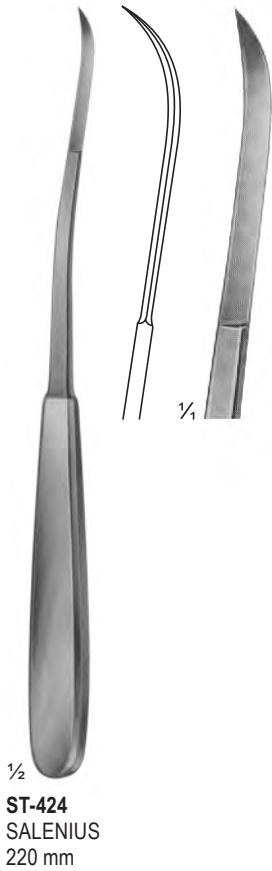
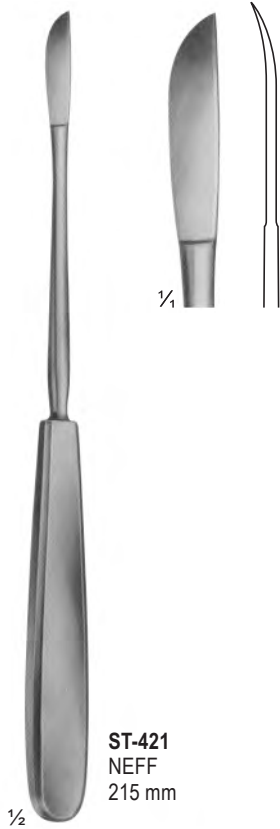
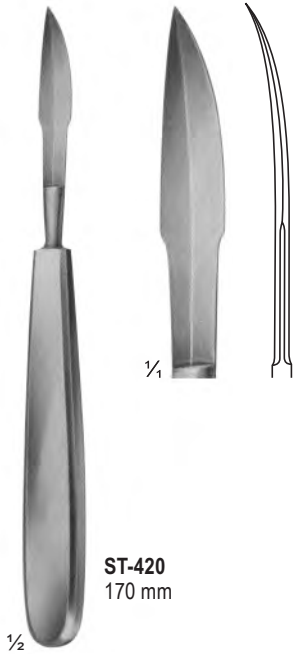


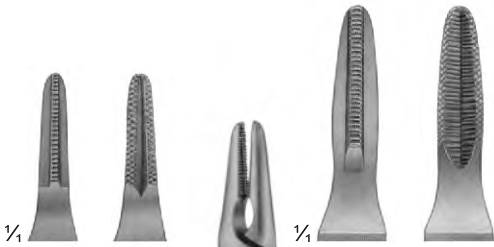
**ST-418**  
LISTON-STILLE  
265 mm



**ST-419**  
LISTON-KEY-HORSLEY  
(TUDOR EDWARDS)  
255 mm

MENISCUS KNIVES





ST-428  
130 mm

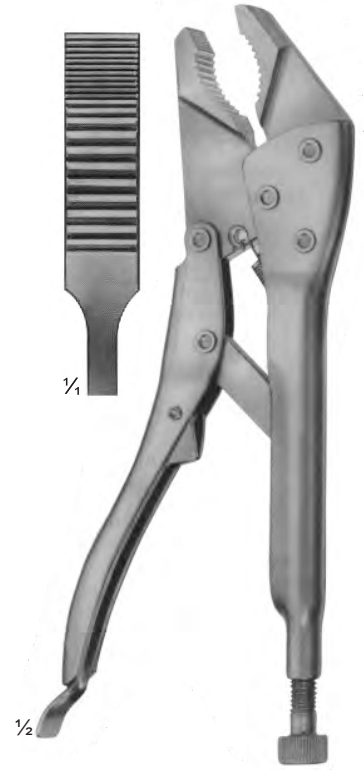
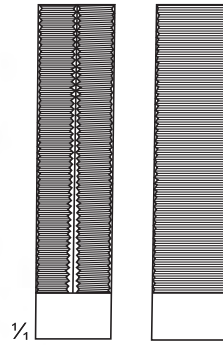
ST-429  
180 mm



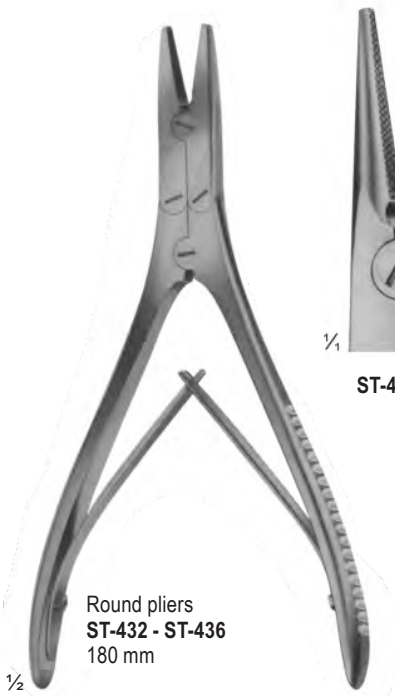
Extraction pliers  
for boring wires  
ST-428 - ST-429



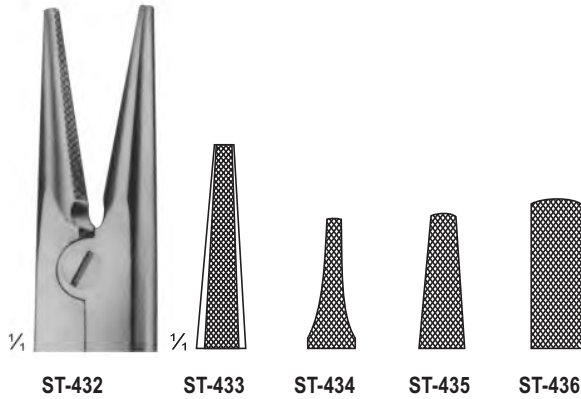
Flat-nosed pliers,  
parallel  
ST-430  
185 mm



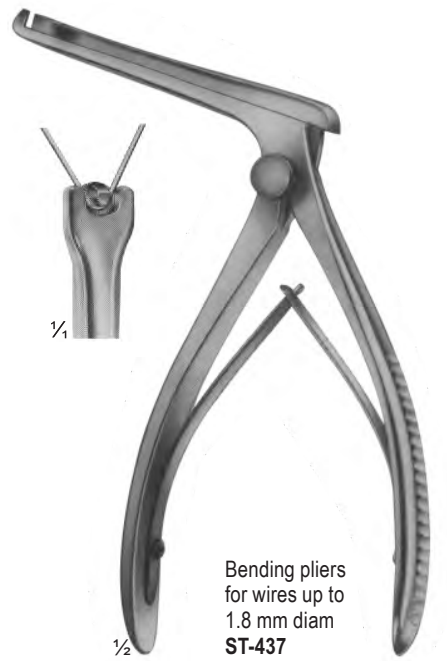
Vise grip  
ST-431  
200 mm



Round pliers  
ST-432 - ST-436  
180 mm



ST-433  
ST-434 14.5 cm  
ST-435 18 cm  
ST-436 18 cm  
Extraction pliers for wires



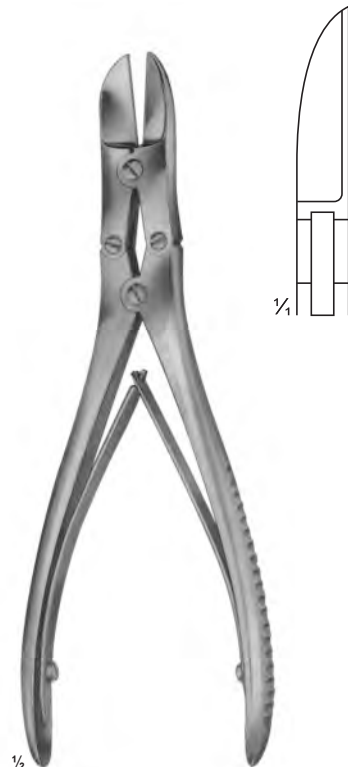
Bending pliers  
for wires up to  
1.8 mm diam  
ST-437



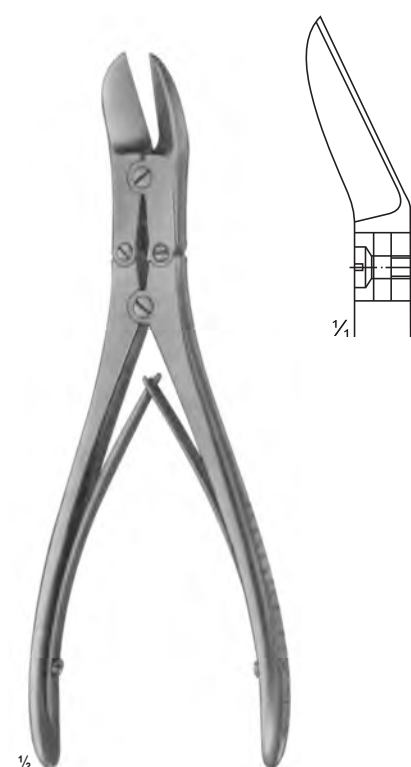
BONE CUTTING FORCEPS



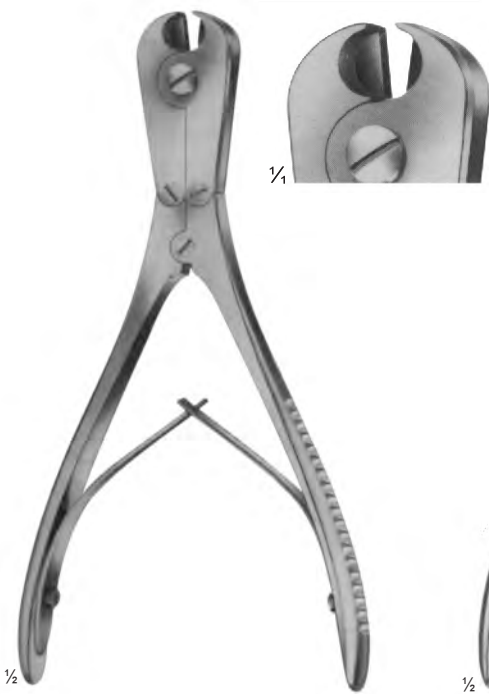
**BOHLER  
ST-438**  
145 mm



**RUSKIN-LISTON  
ST-439**  
190 mm

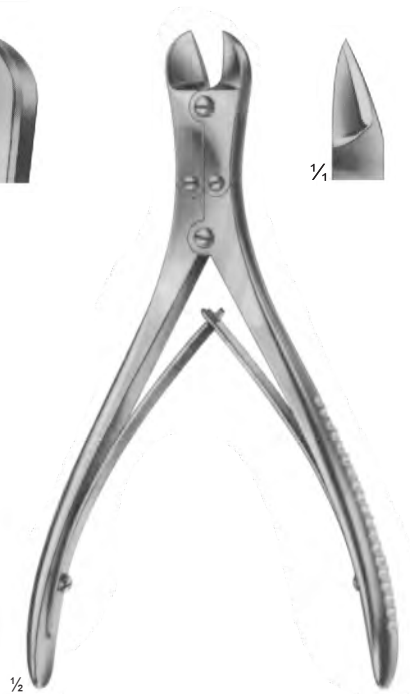


**RUSKIN-LISTON  
ST-440**  
190 mm



**ST-441**  
180 mm

for soft wire  
up to diam. 2,0 mm  
For hard wire 1,5 mm  
up to diam  
specially hardened  
cutting edges, front  
and lateral cutting  
action



REILL  
**ST-442**  
175 mm

for soft wire  
up to diam. 2,0 mm  
For hard wire 1,6 mm  
up to diam  
specially hardened  
cutting edges, for  
cutting off wires close  
to the bone



**ST-443**  
235 mm

for soft wire  
up to diam. 3,0 mm  
For hard wire 2,2 mm  
up to diam



WIRE CUTTING PLIERS, LATERAL AND FRONT CUTTING ACTION



**ST-444**  
240 mm

for soft wire  
up to diam. 2 mm  
For hard wire  
up to diam 1.6 mm

**ST-445**  
140 mm

for soft wire  
up to diam. 1.5 mm  
For hard wire  
up to diam 1 mm

**ST-446**  
145 mm

for soft wire  
up to diam. 2 mm  
For hard wire  
up to diam 1.5 mm

**ST-447**  
220 mm

for soft wire  
up to diam. 3.5 mm  
For hard wire  
up to diam 2.5 mm



**ST-448**  
320 mm

for soft wire  
up to diam. 3 mm  
For hard wire  
up to diam 3 mm

Cutter for cutting off  
KIRSCHNER wires,  
Tibia head screws,  
bolts, pins, up to 3 mm diam.

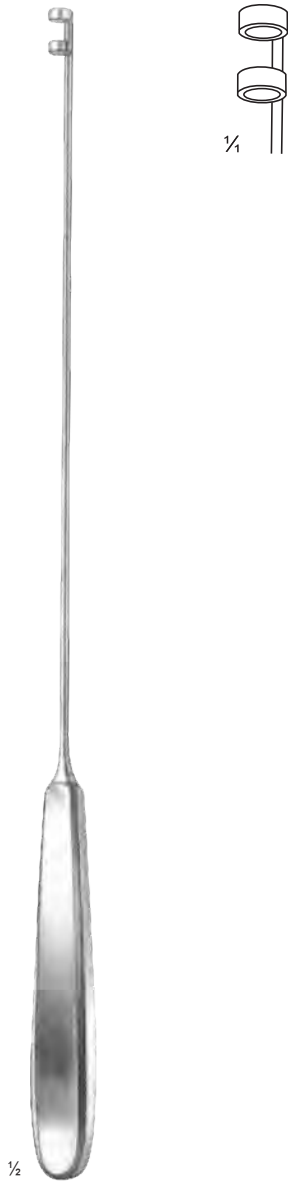


Durotip

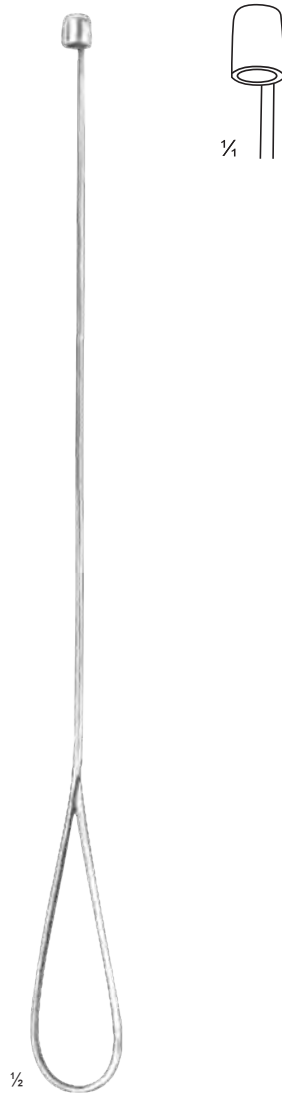
**ST-449**  
Cutter for cutting off  
KIRSCHNER wires,  
Tibia head screws,  
bolts, pins, up to 6 mm diam.  
470 mm



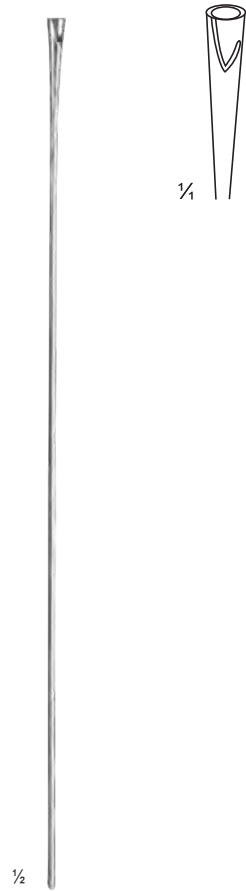
TENDON STRIPPERS



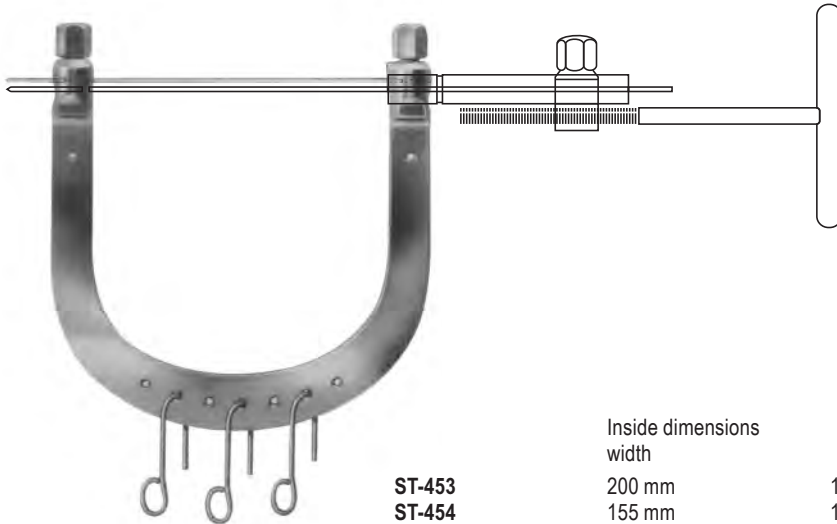
FISCHER  
ST-450  
310 mm  
Blunt



ST-451  
285 mm



BUNNELL  
ST-452  
230 mm  
Tendon Passer



**KIRSCHNER  
ST-453 - ST-459**  
Wire traction bows,  
to be used with  
KIRSCHNER-wires  
up to 2.5 mm diam.,  
With 3 hooks,  
stainless steel

	Inside dimensions width	Depth
<b>ST-453</b>	200 mm	155 mm
<b>ST-454</b>	155 mm	155 mm
<b>ST-455</b>	135 mm	130 mm
<b>ST-456</b>	120 mm	120 mm
<b>ST-457</b>	105 mm	100 mm
<b>ST-458</b>	95 mm	110 mm
<b>ST-459</b>	95 mm	70 mm



**ST-460**  
Wrench, double - ended,  
for wire traction bows



**ST-461**  
Wire tightener, with  
clamping jaws



**ST-462**  
Traction hook only,  
large size



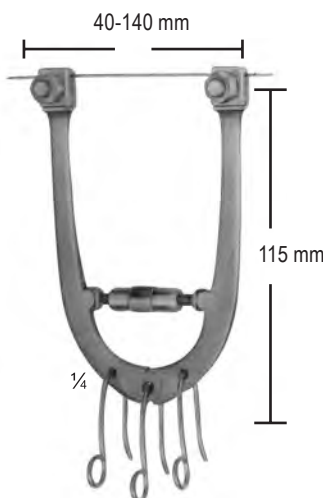
**ST-463**  
Traction hook only,  
small size



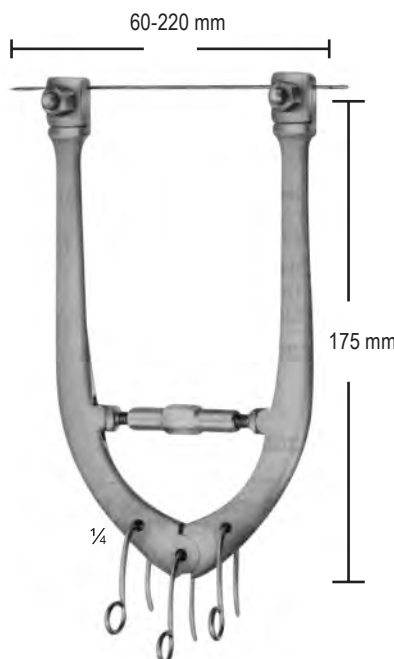
**ST-464**  
Fixation clamp, to secure clamping  
jaws of stainless steel



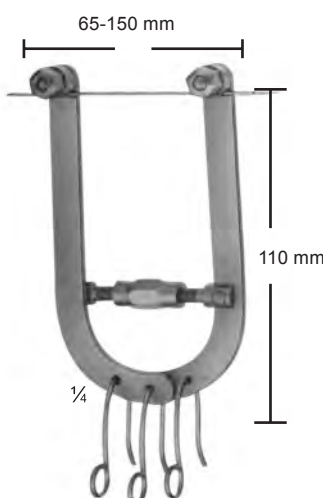
WIRE EXTENSION



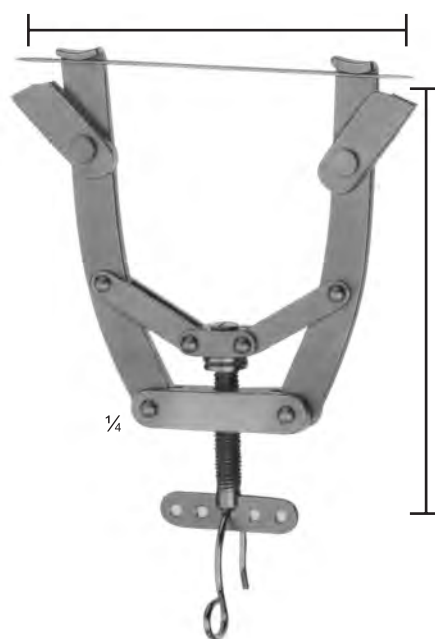
**ST-465**  
Wire traction bow, adjustable, with 3 hooks, small size



**ST-466**  
Wire traction bow, adjustable, with 3 hooks, large size



**ST-467**  
Wire traction bow, adjustable, with 3 hooks, large size for elbow and calcaneus, for adolescents



- ST-470** 10 cm
- ST-471** 16 cm
- ST-472** 20 cm
  
- ST-473** 1.6 mm
- ST-474** 2 mm
- ST-475** 2.5 mm

**KIRSCHNER**  
**ST-470 - ST-475**  
Wire traction bow, modified adjustable in with width, holds wire securely, with 1 hook



**ST-468**  
Fixation disc, slotted



**ST-469**  
idem, aluminum, transparent to X-rays



**ST-476**  
Fixation disc, slotted



**ST-477**  
Screw driver, for above fixations discs



Steinmann pins, 4 mm daim.	Steinmann pins, 5 mm daim.
ST-478 with pin	16x9cm Arm
ST-479 without pin	ST-480-00 without
ST-481 with pin	21x11cm Arm
ST-482 without pin	ST-483 without
ST-484 with pin	21x15cm Arm
ST-485 without pin	

**ST-478 - ST-485**  
Screw driver, for above fixations discs



**ST-486**  
**SCHWARZ**  
Traction bow for fingers,  
to be used with KIRSCHNER-  
wire up to 1.6 mm diam.



**ST-487**  
Small distractor  
as a repositioning device for  
distraction and compression of small bones,  
for wires with 3 mm diam.



STEINMANN PINS



STEINMANN  
**ST-488 - ST-500**  
triangular shaft ended  
and trocar point

Length	4 mm	5 mm
80 mm	<b>ST-488</b>	
100 mm	<b>ST-489</b>	
120 mm	<b>ST-490</b>	
140 mm	<b>ST-491</b>	
150 mm	<b>ST-492</b>	<b>ST-493</b>
160 mm	<b>ST-494</b>	
180 mm	<b>ST-495</b>	<b>ST-496</b>
200 mm	<b>ST-497</b>	<b>ST-498</b>
210 mm	<b>ST-499</b>	
250 mm	<b>ST-500</b>	<b>ST-501</b>
300 mm		<b>ST-502</b>



**ST-503**  
Protection cap  
for 4 mm STEINMANN Pins



**ST-504**  
Protection cap  
for 5 mm STEINMANN Pins



**REILL  
ST-505**  
Drilling chuck,  
cannulated,  
for shanks from  
2.0 - 2.5 mm diam  
115 mm



**ST-506**  
Drilling chuck,  
cannulated,  
for shanks from  
0.8 - 2.0 mm diam  
150 mm



**ST-507**  
Drilling chuck,  
cannulated,  
for shanks up to  
4.5 mm diam  
with key  
140 mm



**LOUTE  
ST-508**  
Wire tightener, improved pattern,  
with movable tip,  
for wires up to 1.0 mm diam.  
220 mm



**ST-509**  
Drilling chuck, cannulated,  
for shanks up to 6.35 mm diam.,  
To be tightened by hand  
100 mm



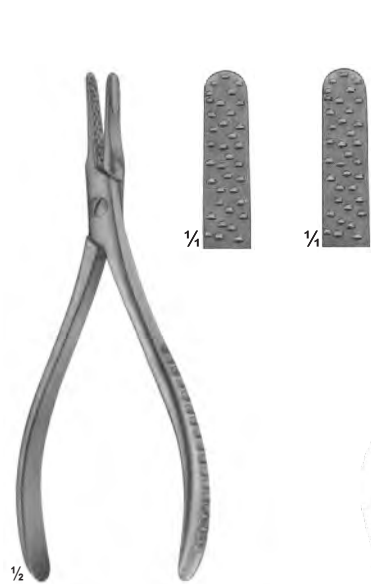
**ST-510**  
Drilling chuck, cannulated,  
for shanks up to 4.5 mm diam.,  
And for triangular shaft width  
across flats 4.7 mm



**ST-511**  
Drilling chuck, cannulated,  
for shanks up to 6.35 mm diam.,  
With key  
160 mm



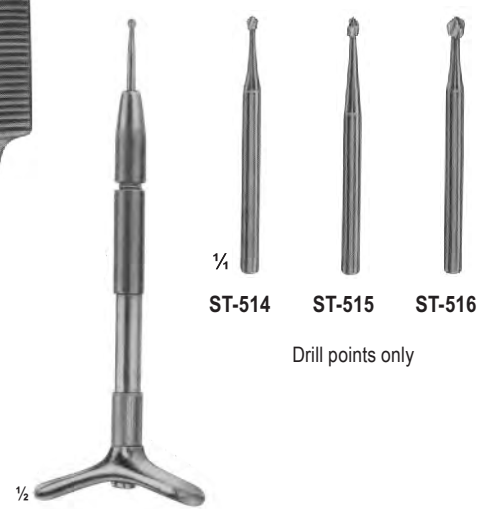
FINGER NAIL INSTRUMENTS



**ST-512**  
Nail extracting  
forceps  
135 mm

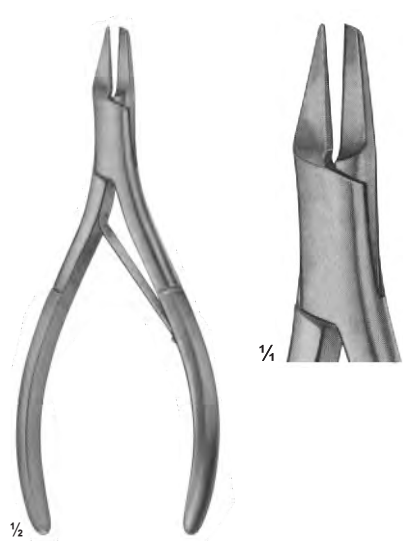


**ST-513**  
Nail extracting  
forceps  
145 mm



**MARTIN-IDEAL**  
**ST-514 - ST-516**  
Finger nail drill  
with 3 points

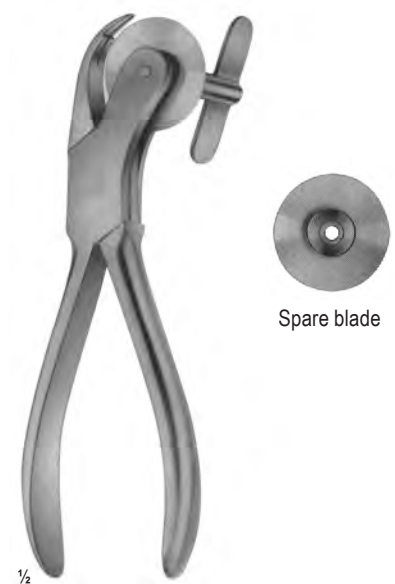
**ST-514**   **ST-515**   **ST-516**  
Drill points only



**ST-517**  
Nail splitting  
forceps  
135 mm

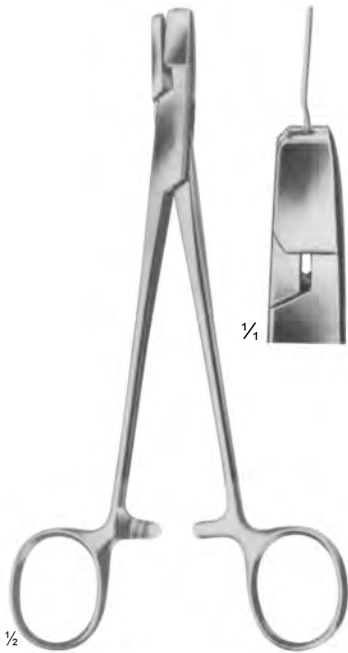


**SYSTRUNK**  
**ST-518**  
Scissors, for splitting  
finger nails  
130 mm



**ST-519**  
Finger ring saw  
150 mm

Spare blade



**DUROGRIP  
ST-520**  
Holding forceps for cerclage  
wire, with lateral jaws to avoid  
wire slipping off  
170 mm



**DUROGRIP  
ST-521**  
Wire, tightening pliers,  
Ligature pliers  
150 mm



**DUROGRIP  
ST-522**  
Wire, tightening pliers,  
Ligature pliers  
150 mm



**ST-523**  
with serrated jaws  
140 mm



**ST-524**  
one jaws smooth,  
one jaws serrated  
140 mm



**ST-525**  
with serrated jaws  
**ST-526**  
with longitudinal and  
transversal grooves  
170 mm



**ST-527**  
190 mm





WIRE CUTTING PLIERS

---



Durotip

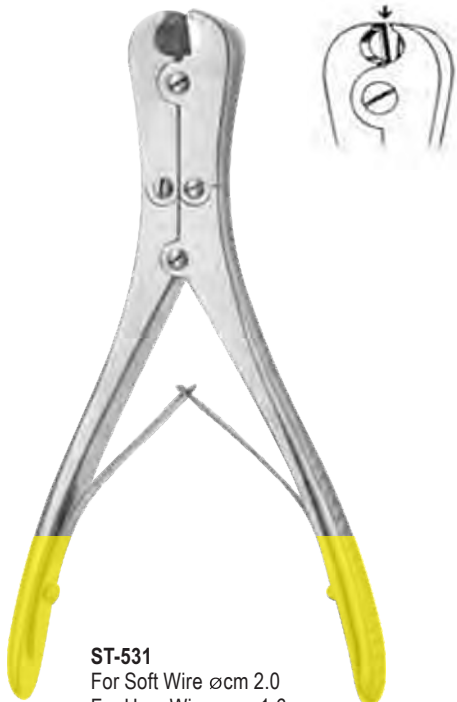
**ST-528**  
Cutter for cutting off  
KIRSCHNER wires,  
Tibia head screws,  
bolts, pins, up to 6 mm diam.  
47 cm



**ST-529**  
For Soft Wire  $\varnothing$ cm 3.5  
For Hars Wire  $\varnothing$ cm 2.5  
22 cm



**ST-530**  
For Soft Wire  $\varnothing$ cm 2.0  
For Hars Wire  $\varnothing$ cm 1.5  
22 cm

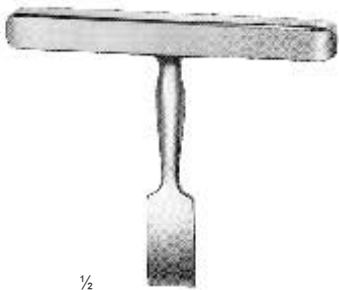


**ST-531**  
For Soft Wire  $\varnothing$ cm 2.0  
For Hars Wire  $\varnothing$ cm 1.6  
18 cm



**ST-532**  
17 cm

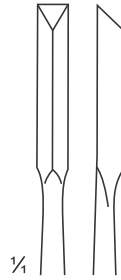
BONE CHISELS, GOUGES



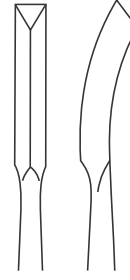
1/2  
Virchow  
**ST-533**  
7.5 cm  
Skull breaker



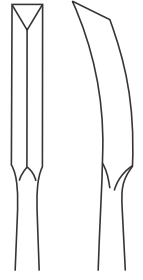
Gardner  
**ST-534 - 536**  
17 cm  
Triangular shape



**ST-534**  
4 mm



**ST-535**  
4 mm



**ST-536**  
4 mm



**ST-537**  
4 mm



**ST-538**  
4 mm

**ST-537 - 538**  
17 cm



**ST-539**  
3 mm



**ST-540**  
5 mm

Snyder-O.S.U.  
**ST-539 - 540**  
17 cm



**ST-541**  
4 mm



**ST-547**  
4 mm



**ST-542**  
6 mm



**ST-548**  
6 mm



**ST-543**  
8 mm



**ST-549**  
8 mm



**ST-544**  
10 mm



**ST-550**  
10 mm



**ST-545**  
12 mm



**ST-551**  
12 mm



**ST-546**  
14 mm



**ST-552**  
14 mm

1/2



Alexander  
**ST-541 - 546**  
17.5 cm  
Solid

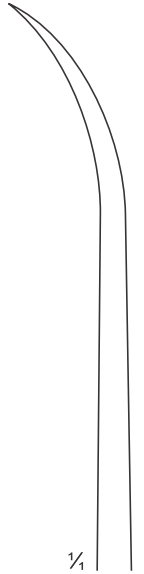
1/2



Alexander  
**ST-547 - 552**  
17.5 cm  
Solid

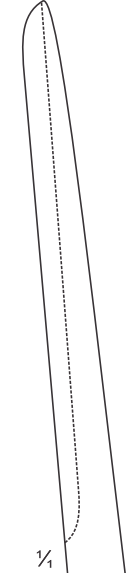


OSTEOTOMES, CHISELS, GOUGES



- ST-553 10 mm
- ST-554 12 mm
- ST-555 15 mm
- ST-556 20 mm
- ST-557 25 mm

Stille  
ST-553 - 557  
Osteotomes, curved  
20.5 cm



- ST-558 10 mm
- ST-559 15 mm

Walter  
ST-558 - 559  
Gouges for taking  
grafts from the rib  
20.5 cm



Cobb  
ST-560  
28 cm  
7 mm



Cobb  
ST-561  
28 cm  
7 mm



Cobb  
ST-562  
28 cm  
7 mm



Cobb  
ST-563  
28 cm  
7 mm



1/2

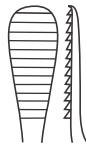


Fig. 1  
**ST-564**  
18 cm

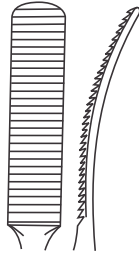


Fig. 2  
**ST-565**  
18 cm

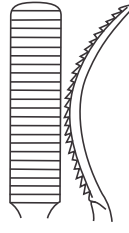


Fig. 3  
**ST-566**  
18 cm

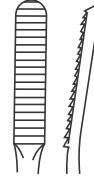


Fig. 4  
**ST-567**  
18 cm

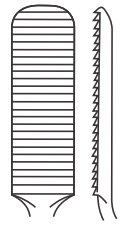
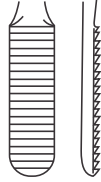
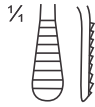


Fig. 5  
**ST-568**  
18 cm



Miller-Colburn  
**ST-564 - 568**  
Downwards cutting



1/2

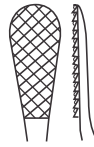


Fig. 1  
**ST-569**  
18 cm

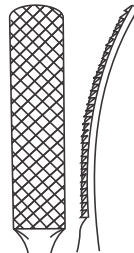


Fig. 2  
**ST-570**  
18 cm

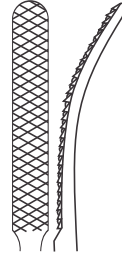


Fig. 3  
**ST-571**  
18 cm

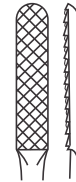
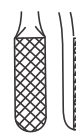
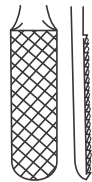
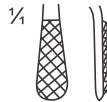


Fig. 4  
**ST-572**  
18 cm



Miller-Colburn  
**ST-569 - 572**  
Cross cut