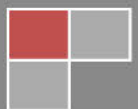




General Orthopedic Instruments





Drill Bits

ø mm	AO shaft	Length mm	round shaft	Length mm
1.1	9-010	60 / 35	9-040	45 / 30
1.5	9-012	85 / 60	9-042	70 / 55
2.0	9-014	100 / 75	9-044	85 / 70
2.5	9-016	110 / 85	9-046	95 / 80
2.7	9-018	100 / 75	9-048	85 / 70
3.2	9-020	145 / 120	9-050	130 / 115
3.2	9-021	195 / 170	9-051	180 / 165
3.5	9-022	100 / 85	9-052	95 / 80
3.5	9-023	195 / 170	9-053	180 / 165
4.5	9-026	145 / 120	9-056	130 / 115
4.5	9-027	195 / 170	9-057	180 / 165



Taps

for screws ø mm	AO shaft	T-bar
1.5 dental	9-071	
2.0 dental	9-072	
2.7	9-073	9-060
3.5 thread pitch 1.25	9-074	9-062
3.5 thread pitch 1.75	9-075	9-064
4.0 thread pitch 1.75	9-076	9-065
4.5 short thread	9-077	
4.5 long thread	9-078	9-068
6.5	9-079	9-070



**Three-jaw Chucks with Handle
for insertion of Steinmann Pins and Schanz Screws**



9-088
T-Handle (9-089) with Jacobs three-jaw Chuck (9-087) and Key (9-0870), complete cannulated 4,1 mm

9-090
T-Handle (9-089) with Universal three-jaw Chuck (9-091) and Key (9-0910), complete cannulated 4,1 mm



to be tightened by hand or by key

9-086
T-Handle (9-089) with Universal three-jaw Chuck (9-0875) and Key (9-0870), complete cannulated 4,1 mm



9-085
T-Handle (9-0891) with Jacobs three-jaw Chuck (9-084) and Key (9-0840), complete



9-083
Drill-Handle (9-0892) with Jacobs three-jaw Chuck (9-084) and Key (9-0840), complete

Three-jaw Chucks



9-087
Jacobs three-jaw Chuck
opening max. 6,35 mm



9-0875
Universal three-jaw Chuck
to be tightened by hand or by key
opening max. 6,35 mm



9-0870
Key for Jacobs Chuck
(9-087 and 9-0875)



9-091
Universal three-jaw Chuck
opening max. 7,0 mm



9-0910
Key for Universal Chuck
(9-091)



9-084
Jacobs three-jaw Chuck
opening max. 4,5 mm



9-0840
Key for Jacobs Chuck
(9-084)

Drill Bit and Tap Handles



9-092 Tap Handle for AO shaft

9-093 Tap Handle cannulated



9-094 Tap Handle for AO shaft



9-096 Tap Handle for Dental shaft

Instruments for Screw Fixation

Countersinks
For preparing the seat for the screw head



9-100 For Mini Screws 1.5 mm and 2.0 mm ϕ Tip 1.1 mm ϕ



9-102 For Small Screws 2.7, 3.5 and 4.0 mm ϕ Tip 2.0 mm



9-104 For Malleolar Screws Tip 3.2 mm ϕ



9-106 For Large Screws 4.5 mm and 6.5 mm ϕ Tip 4.5 mm



9-110 Depth Gauge for Mini Screws

9-112 Depth Gauge for Small Screws

9-114 Depth Gauge for Large Screws



4-184 Screw Forceps



9-116 Sharp Hook
for checking alignment of fracture ends and
for removing in-grown tissue in screw heads

Screw Drivers



9-140 for Hexagonal Head 1.5 mm, 20 cm length



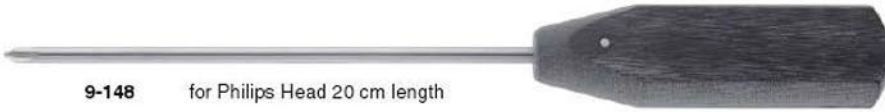
9-168 Screw Driver for 3,5 and 4,0 mm cannulated screws



9-142 for Hexagonal Head 2.5 mm, 20 cm length



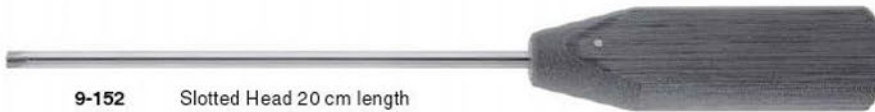
9-144 for Hexagonal Head 3.5 mm, 20 cm length



9-148 for Phillips Head 20 cm length



9-150 for Single Head 20 cm length



9-152 Slotted Head 20 cm length



A



B



C



D



- 9-158** A Screw Driver Williams for Phillips Head, 23,0 cm
- 9-160** B Screw Driver Williams for Slotted Head, 23,0 cm
- 9-162** C Screw Driver Williams for Single Head, 23,0 cm
- 9-164** D Screw Driver Williams for Hexagonal Head 3.5 mm, 23,0 cm

Instruments for Screw Fixation



9-170 Screw Driver for Mini Screws 1.5 mm



9-171 Holding Sleeve 1.5 mm



9-167 Screwdriver Sleeve for 9-169



9-169 Screw Driver for 3,5 mm screws



9-172 Screw Driver 2.5 mm



9-173 Holding Sleeve 2.5 mm
for 9-172



9-174 Screw Driver Shaft 2.5 mm



9-176 Screw Driver Shaft 3.5 mm



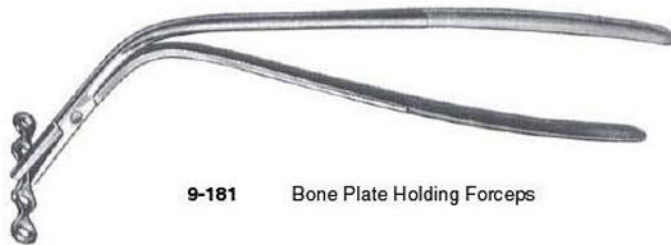
9-178 Screw Driver Shaft 1.5 mm



4-184 Screw Forceps self holding



9-179 Bone Screw Holding Forceps



9-181 Bone Plate Holding Forceps

**Instruments for Screw Fixation
Drill Sleeves and Drill Guides**



9-250 Mini Drill Sleeve Drill Bit 1.1 and 1.5 mm ø
9-253 Mini Drill Sleeve Drill Bit 1.5 and 2.0 mm ø



9-252 Drill Guide and Drill Sleeve, 2.0 mm ø
with 3 and 1 hole respectively
Drill Bit 2.0 mm ø



9-254 Tap Sleeve 3.5 mm ø
Drill Sleeve 2.5 mm ø
for Drill Bit and Tap for 3.5 mm Cortex Screws
with fine thread

9-255 Tap Sleeve 2.7 mm ø
Drill Sleeve 2.0 mm ø
for Drill Bit and Tap for 3.5 mm Cortex Screws
with fine thread



9-256 Tap Sleeve 3.5 mm ø
for Taps 3.5 and 2.7 mm ø
May also be used as a Guide
for 3.2 mm ø Drill Bits



9-258 Pointed Drill Guide

Instruments for Screw Fixation



9-260 Tap Sleeve 4.5 mm ϕ
 For Taps 6.5 mm ϕ
 May also be used as Drill Guide for
 4.5 mm Drill Bits
 The notched tip prevents slipping on the bone
 Use Sleeve 8 mm ϕ in the screw holes of plates



9-262 Drill Guides for Round-Hole Plates
 for Drill Bit 3.2 mm ϕ
 Standard, 40 mm



9-266 Neutral and Load Drill Guide, 2.0 mm
 For 2.0 mm screws
 Use Drill Bit 1.5 mm ϕ

9-268 Neutral and Load Drill Guide, 2.7 mm
 For 2.7 mm screws
 Use Drill Bit 2.0 mm ϕ

9-270 Neutral and Load Drill Guide, 3.5 / 1.25 mm
 For 3.5 mm Cortex Screws with fine thread
 Use Drill Bit 2.5 mm ϕ

9-272 Neutral and Load Drill Guide, 4.5 mm
 For 4.5 mm screws
 Use Drill Bit 3.2 mm ϕ



9-276 Insert Drill Sleeve 2.7 / 2.0 mm ϕ
 For 2.7 mm Cortex Lag Screws
 Drill Bit 2.0 mm ϕ

9-278 Insert Drill Sleeve 3.5 / 2.5 mm ϕ
 For 3.5 mm Cortex Lag Screws
 Drill Bit 2.5 mm ϕ

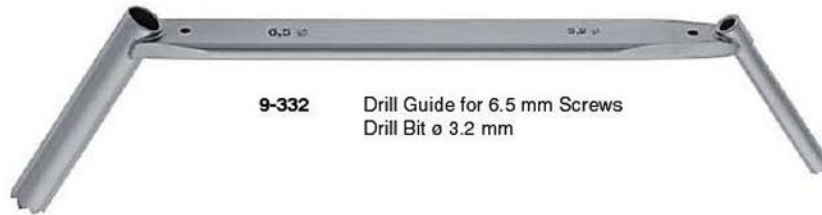
9-280 Insert Drill Sleeve 4.5 / 3.2 mm ϕ
 For 3.5 mm Cortex Lag Screws with fine thread
 Drill Bit 3.2 mm ϕ



9-284 C-Clamp Drill Guide with thread
 for Drill Bit 4.5 mm ϕ



9-330 Drill Guide for 4.5 mm Screws
Drill Bit ϕ 4.5 mm and 3.2 mm



9-332 Drill Guide for 6.5 mm Screws
Drill Bit ϕ 3.2 mm



9-334 Drill Guide 3.5 mm for neutral
and compression positioning
Drill ϕ 2.5 mm



9-336 Drill Guide for neutral and
compression positioning
3.2 mm and 4.5 mm



9-338 Drill Guide 4.5 / 3.2
with 2 Inserts

Bending Instruments for Plates



9-400 Bending Iron for Mini and Finger Plates



9-402 Bending Iron for 3.5 mm Reconstruction Plates



9-404 Bending Iron for 2.7 mm Reconstruction Plates



9-406 Bending Pliers for 1.5 and 2.0 mm Plates

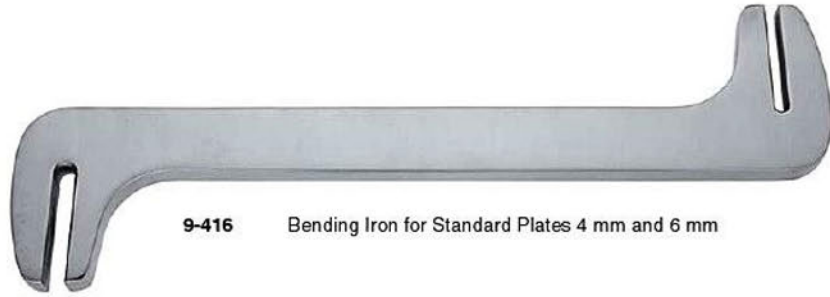


9-408 Bending Pliers for 2.7 and 3.5 mm Plates, 24,0 cm
9-409 Bending Pliers for 1.0 and 2.0 mm Plates, 20,0 cm



9-410 Bending Pliers

Bending Instruments for Plates



9-416 Bending Iron for Standard Plates 4 mm and 6 mm



9-418 Bending Pliers for Straight Plates

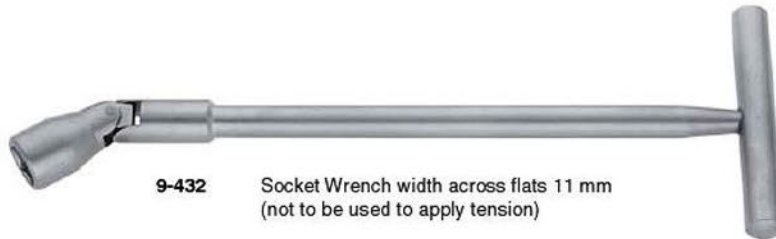


9-420 Plate Bending Press

Instruments for Plates



9-430 Drill Sleeve for Tension Device for Drill Bit 3.2 mm ø



9-432 Socket Wrench width across flats 11 mm
(not to be used to apply tension)



9-436 8 mm screw-type
Compression Device



9-438 Combination Wrench
width across flats 11 mm
for Tension Device, External Fixator
Medullary Nailing Instruments, etc.



9-440 Articulated Tension Device
with Indicator, span 20 mm
May also be used for distraction
of Standard and Small Plates



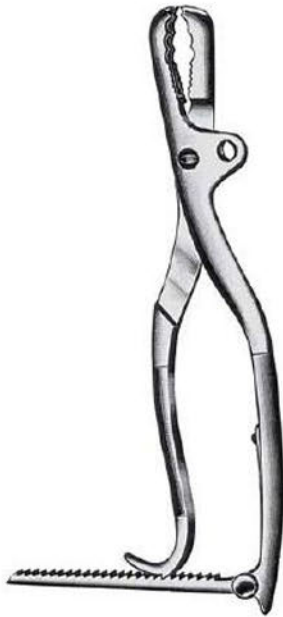
9-442 Pin Wrench for Tension Device and Distractor



- 9-500** Kern Baby Bone Holding Forceps 160 mm with ratchet
- 9-502** Kern Baby Bone Holding Forceps 160 mm without ratchet
- 9-504** Kern Bone Holding Forceps 210 mm with ratchet
- 9-506** Kern Bone Holding Forceps 210 mm without ratchet



- 9-508** Lane Bone Holding Forceps 330 mm with ratchet
- 9-510** Lane Bone Holding Forceps 330 mm without ratchet
- 9-512** Lane Bone Holding Forceps 450 mm without ratchet



- 9-520** Farabeuf-Lambotte Bone Holding Forceps 260 mm with ratchet
- 9-522** Farabeuf-Lambotte Bone Holding Forceps 260 mm without ratchet



- 9-530** Lambotte Bone Holding Forceps 220 mm
- 9-532** Lambotte Bone Holding Forceps 270 mm
- 9-534** Lambotte Bone Holding Forceps 330 mm



9-540 Verbrügge Bone Holding Forceps 175 mm



9-544 Verbrügge Bone Holding Forceps 250 mm
9-546 Verbrügge Bone Holding Forceps 260 mm
9-548 Verbrügge Bone Holding Forceps 270 mm



9-560 Reduction Forceps with Thread Lock 240 mm



9-562 Reduction Forceps with Thread Lock 160 mm



9-570 Ferguson Bone Holding Forceps 230 mm



Self-Centering Bone Holding Forceps with Thread Lock

- 9-580** For Small Fragments 150 mm, jaw 9 mm
- 9-582** Size 0
190 mm, extra small jaw 10 mm
- 9-584** Size 1
240mm, small jaw 14 mm
- 9-586** Size 2
260 mm, medium jaw 18 mm
- 9-588** Size 3
280 mm, large jaw 23 mm



9-590 Lewin 190 mm



9-592 Semb 200 mm
9-594 Semb 200 mm with ratchet



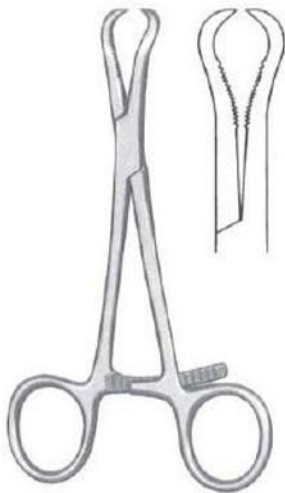
9-596 Reposition Forceps
for Small Fragments 135 mm
9-597 Reposition Forceps
for Small Fragments 105 mm



9-600
Forceps with Ratchet
Fixation 145 mm



9-602
Reil 170 mm



9-629
Bone Reduction Forceps
curved with serrations and
pointed tips 14.0 cm



9-604
Reduction Forceps
with points 200 mm



9-603
Bone Reduction Forceps
curved one point tip one step-
pointed tip 13.0 cm



9-620
200 mm



9-622
Malleolar Forceps



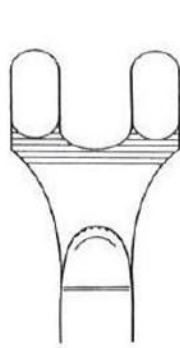
9-624
For fingers, with Drill
Guide for Kirschner
Wires up to ϕ 1 mm 170 mm



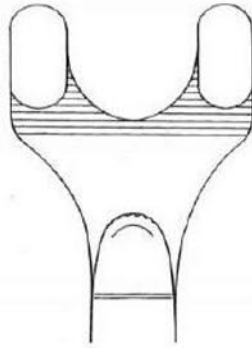
9-630
Holding Forceps for Mini 135 mm



Lowmann Bone Clamp
1x2 jaws



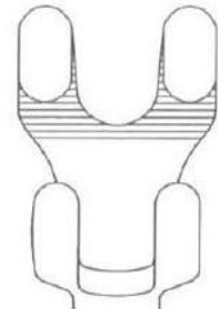
9-610
130 mm



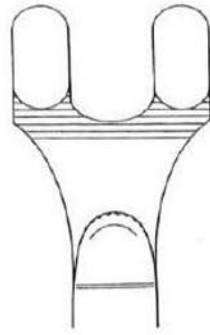
9-614
200 mm



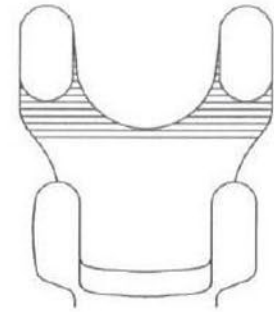
Lambert-Lowmann Bone Clamp
2x2 jaws



9-615
185 mm



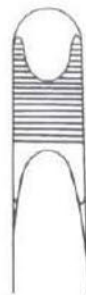
9-612
185 mm



9-616
200 mm



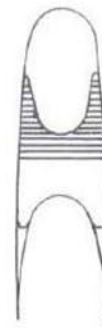
Lowmann Bone Clamp
1x1 jaws



9-621
120 mm



9-623
185 mm



9-625
200 mm



9-632 Ulrich 230 mm
9-634 Ulrich 250 mm
9-636 Ulrich 280 mm
9-638 Mini 190 mm



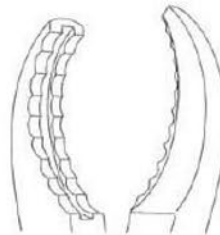
9-640 Ulrich 260 mm



9-631 Hey Groves 210 mm
9-633 270 mm
9-635 305 mm



9-639 Ulrich 185 mm
9-643 Ulrich 280 mm





9-632 Ulrich 230 mm
9-634 Ulrich 250 mm
9-636 Ulrich 280 mm
9-638 Mini 190 mm



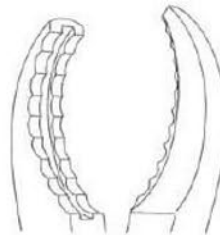
9-640 Ulrich 260 mm



9-631 Hey Groves 210 mm
9-633 270 mm
9-635 305 mm



9-639 Ulrich 185 mm
9-643 Ulrich 280 mm

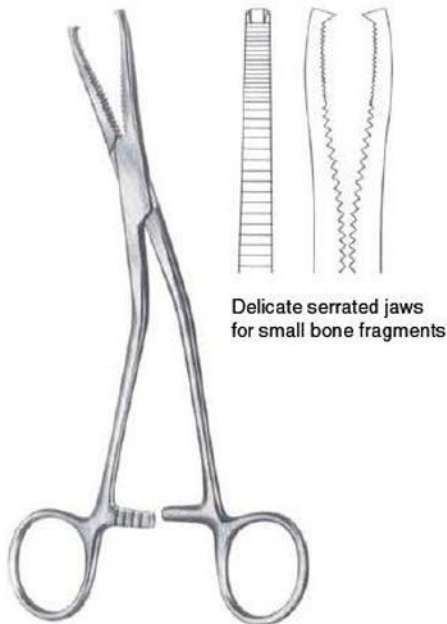




9-641
Bishop Bone Forceps
adjustable jaw with ratchet
23,0 cm



9-627
Patella Forceps
with speedlock
2x2 sharp teeth
18,0 cm



Delicate serrated jaws
for small bone fragments

9-645
Dingman Forceps
angular serrated jaws
2x2 sharp teeth 19,0 cm



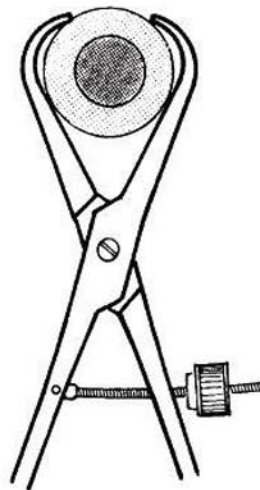
9-637
Sesamoidectomy Clamp
17,0 cm



9-646 Holding Forceps with ball



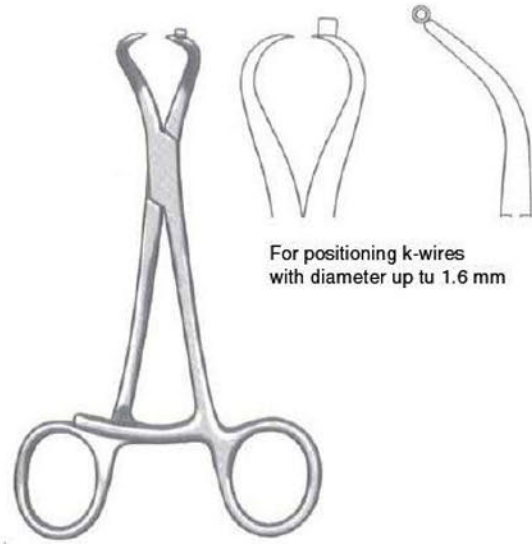
9-618 Rensselaer Forceps 230 mm





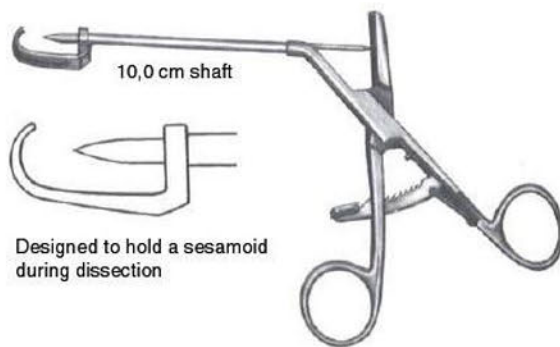
Useful for
sesamoid removal

9-628
Locke Phalangeal
serrated jaws with 1x2 teeth
15,0 cm



For positioning k-wires
with diameter up to 1.6 mm

9-672
Bone Reduction Forceps curved
with guide 13,0 cm



Designed to hold a sesamoid
during dissection

9-675
Vogen Sesamoid Clamp



9-677
Stagbeetle Forceps
curved pointed tips
12,0 cm



Set includes:
Hooked Jaws: 1 pair
Serrated Jaws: 3 pairs
Sizes: 32, 51 and 57 mm

9-644 Charnley Bone Forceps

Standard Retractors



9-650
 Small, width 6 mm
 short, narrow tip



9-652
 Small, width 8 mm
 short, narrow tip



9-654
 For Small Fragments
 with broad shank



9-656
 Width 8 mm
 short, narrow tip



9-658 width 18 mm short, narrow tip
9-660 width 18 mm long, narrow tip



9-662
 Humeral Head Retractor
 18 mm blade width



9-666
 width 43 mm narrow tip
9-668
 width 70 mm narrow tip



9-670
 width 43 mm
 long shank, angled



9-674
width 22 mm
wide tip



9-676
long wide tip for Hip
Surgery, width 24 mm



9-678
Bennett 240 mm



9-680
Lange-Hohmann



9-682
Retractor for Knee
Blount 270 mm

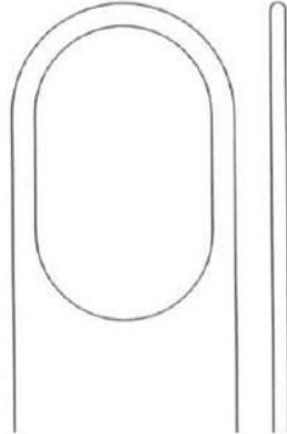


9-684
Retractor for
Knee 175 mm

Shoulder Retractors



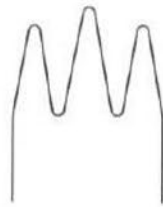
9-691 Fukuda Style Retractor with T-Handle
32 x 81 mm blade
9-692 38 x 81 mm blade



9-693 Pelvic Retractor Blunt 27,0 cm
24 mm blade



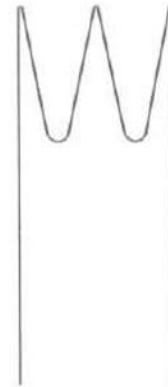
9-695 Bristow / Bankart Soft Tissue Retractor
19,0 cm blunt prongs



21 mm blade



9-690 Capsule Retractor 25, 0 cm
3 sharp prongs



22 mm blade



42.360.04
Ollier Retractor
4 blunt prongs 23,0 cm



42.364.40
Israel Retractor
blunt prongs 25,0 cm



9-683 2¼ x 1½" deep
9-686 2¼ x 2" deep
9-687 2¼ x 2½" deep
9-688 2¼ x 3" deep

Deep Rake Retractor
4 blunt prongs, 27,0 cm



9-689
Bristow / Bankart Humeral Retractor
2 blunt prongs

Bone Hammers



9-700 ϕ 30 mm / 215 g
with interchangeable plastic disks 250 mm

9-701 Pair of spare disks



9-702 Weight approx: 350 g
9-704 Weight approx: 500 g (Standard size)
9-706 Weight approx: 700 g (For Medullary Nailing)



9-708 ϕ 42 mm, 250 mm
Material Ferrozell can be sterilized in an autoclave at 3 bar overpressure (143° C)



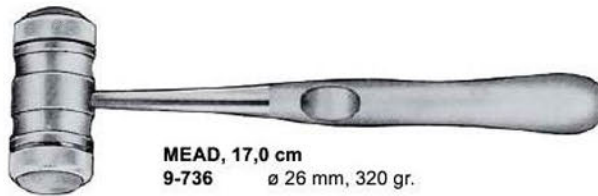
9-710 18,0 cm length, ϕ 30 mm, 125 g (4 oz)
Material Ferrozell can be sterilized in an autoclave at 3 bar overpressure (143° C)

Bone Hammers

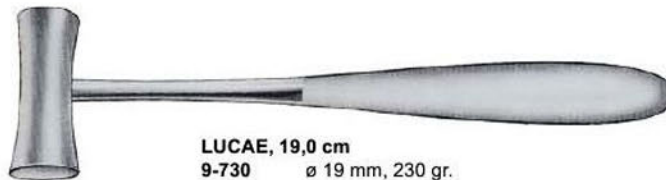


THIESS, 16,5 cm
9-726 \varnothing 20 mm, 140 gr.
 lead filled

9-728 \varnothing 20 mm, 140 gr.
 brass, solid



MEAD, 17,0 cm
9-736 \varnothing 26 mm, 320 gr.



LUCAE, 19,0 cm
9-730 \varnothing 19 mm, 230 gr.

9-732 \varnothing 25 mm, 260 gr.



PARTSCH, 18,0 cm
9-734 \varnothing 22 mm, 200 gr.

Bone Hammers



9-735
Narrow Tip Mallet
phenolic handle 150 gr.
20,0 cm



9-738
Ortho Short Mallet
stainless steel 240 gr.
18,0 cm



9-740
Cloward-style Mallet
stainless steel 120 gr.
19,0 cm



WILLIGER, 24,0 cm
9-712 ø 26 mm, 300 gr.
9-714 ø 28 mm, 340 gr.
9-716 ø 30 mm, 400 gr.



COTTLE, 19,0 cm
9-717 240 gr.

Periosteal Elevators

with synthetic handle, autoclavable



9-750
Medium straight blade
round edge, width 14 mm
20,0 cm



9-752
medium curved blade
round edge, width 14 mm
20,0 cm



9-754
large straight blade
round edge, width 30 mm
20,0 cm



9-756
Small curved blade
round edge, width 6 mm



9-758
Small curved blade
straight edge, width 6 mm



9-760
Extra small curved blade
straight edge, width 3 mm



9-766 Chisel Handle



- 9-768** Chisel Blade 10 mm
- 9-770** Chisel Blade 16 mm
- 9-772** Chisel Blade 25 mm
- 9-774** Chisel Blade 5 mm



9-776 Wrench for Chisel Handle



- | | |
|--------------|----------|
| | straight |
| 9-790 | 5 mm |
| 9-792 | 10 mm |
| 9-794 | 15 mm |
| | 25,0 cm |



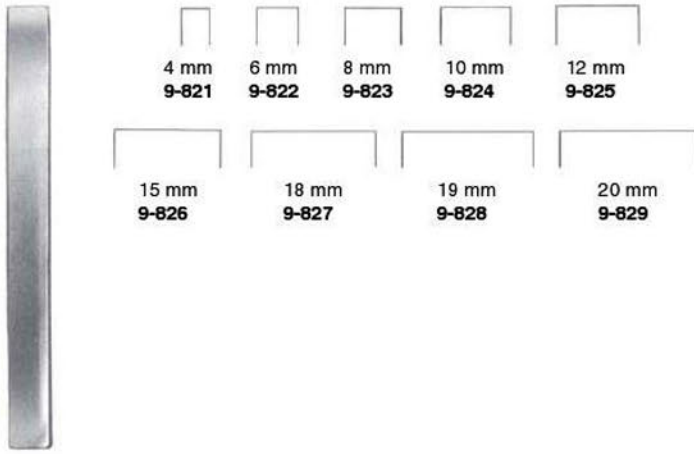
- | | |
|--------------|---------|
| | curved |
| 9-796 | 5 mm |
| 9-798 | 10 mm |
| 9-800 | 15 mm |
| | 25,0 cm |



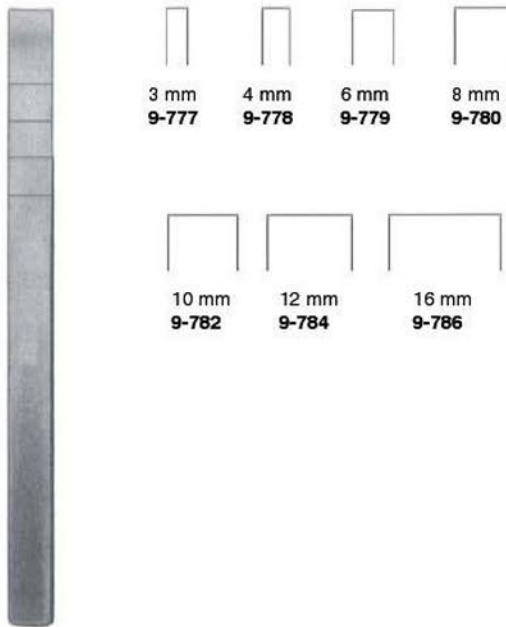
- | | |
|--------------|---------|
| | flat |
| 9-802 | 10 mm |
| 9-804 | 15 mm |
| 9-806 | 20 mm |
| 9-808 | 25 mm |
| | 22,0 cm |



- | | |
|--------------|---------|
| | hollow |
| 9-814 | 10 mm |
| 9-816 | 15 mm |
| 9-818 | 20 mm |
| 9-820 | 25 mm |
| | 22,0 cm |



Mini Lambotte Chisel
12,5 cm



Lambotte Osteotome
straight 17,0 cm



23,0 cm

- 9-919** Lambotte 6 mm
- 9-920** Lambotte 10 mm
- 9-922** Lambotte 12 mm
- 9-924** Lambotte 15 mm
- 9-926** Lambotte 20 mm
- 9-928** Lambotte 25 mm
- 9-930** Lambotte 30 mm
- 9-932** Lambotte 38 mm
- 9-934** Lambotte 44 mm
- 9-936** Lambotte 50 mm








23,0 cm

- 9-937** Lambotte curved 6 mm
- 9-938** Lambotte curved 10 mm
- 9-940** Lambotte curved 12 mm
- 9-942** Lambotte curved 15 mm
- 9-944** Lambotte curved 20 mm
- 9-946** Lambotte curved 25 mm
- 9-948** Lambotte curved 30 mm
- 9-950** Lambotte curved 38 mm
- 9-952** Lambotte curved 44 mm
- 9-954** Lambotte curved 50 mm



Lexer-Mini Chisel
 18,0 cm

- | | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
| 4 mm
9-960 | 6 mm
9-961 | 8 mm
9-962 | 10 mm
9-965 | 12 mm
9-967 |

Bone Surgery Bone Chisel and Gouges



20,0 cm

- 9-830** Smith Peterson 6 mm
- 9-832** Smith Peterson 9 mm
- 9-834** Smith Peterson 12 mm
- 9-836** Smith Peterson 15 mm
- 9-838** Smith Peterson 20 mm
- 9-840** Smith Peterson 25 mm
- 9-842** Smith Peterson 30 mm



20,0 cm

- 9-844** Smith Peterson curved 6 mm
- 9-846** Smith Peterson curved 9 mm
- 9-848** Smith Peterson curved 12 mm
- 9-850** Smith Peterson curved 15 mm
- 9-852** Smith Peterson curved 20 mm
- 9-854** Smith Peterson curved 25 mm
- 9-856** Smith Peterson curved 30 mm



20,0 cm

- 9-858** Smith Peterson Gouge 6 mm
- 9-860** Smith Peterson Gouge 9 mm
- 9-862** Smith Peterson Gouge 12 mm
- 9-864** Smith Peterson Gouge 15 mm
- 9-866** Smith Peterson Gouge 20 mm
- 9-868** Smith Peterson Gouge 25 mm
- 9-870** Smith Peterson Gouge 30 mm



20,0 cm

- 9-872** Smith Peterson curved Gouge 6 mm
- 9-874** Smith Peterson curved Gouge 9 mm
- 9-876** Smith Peterson curved Gouge 12 mm
- 9-878** Smith Peterson curved Gouge 15 mm
- 9-880** Smith Peterson curved Gouge 20 mm
- 9-882** Smith Peterson curved Gouge 25 mm
- 9-884** Smith Peterson curved Gouge 30 mm

Chisels, Gouges and Osteotomes



- 9-900** Stille 10 mm
- 9-902** Stille 12 mm
- 9-904** Stille 15 mm
- 9-906** Stille 20 mm
- 9-908** Stille 25 mm

20,0 cm



- 9-910** Stille Gouge 10 mm
- 9-912** Stille Gouge 12 mm
- 9-914** Stille Gouge 15 mm
- 9-916** Stille Gouge 20 mm
- 9-918** Stille Gouge 25 mm

20,0 cm



- ALEXANDER, 18,0 cm**
- 16-370** 4 mm
 - 16-372** 6 mm
 - 16-374** 8 mm
 - 16-376** 10 mm
 - 16-378** 12 mm
 - 16-380** 14 mm



- ALEXANDER, 18,0 cm**
- 16-382** 4 mm
 - 16-384** 6 mm
 - 16-386** 8 mm
 - 16-388** 10 mm
 - 16-390** 12 mm
 - 16-392** 14 mm



- PARTSCH, 17,0 cm**
- 16-414** 2 mm
 - 16-416** 3 mm
 - 16-418** 4 mm
 - 16-420** 5 mm
 - 16-422** 6 mm
 - 16-424** 7 mm
 - 16-426** 8 mm



- PARTSCH, 17,0 cm**
- 16-442** 2 mm
 - 16-444** 3 mm
 - 16-446** 4 mm
 - 16-448** 5 mm
 - 16-450** 6 mm
 - 16-452** 7 mm
 - 16-454** 8 mm

Chisels, Gouges and Osteotomes



HIBBS, 24,0 cm

16-310	6 mm	16-320	6 mm	16-330	6 mm	16-340	6 mm	16-350	6 mm
16-312	13 mm	16-322	13 mm	16-332	13 mm	16-342	13 mm	16-352	13 mm
16-314	19 mm	16-324	19 mm	16-334	19 mm	16-344	19 mm	16-354	19 mm
16-316	25 mm	16-326	25 mm	16-336	25 mm	16-346	25 mm	16-356	25 mm
16-318	32 mm	16-328	32 mm	16-338	32 mm	16-348	32 mm	16-358	32 mm

Chisels, Gouges and Osteotomes



13,5 cm
 16-250 8 mm
 16-252 10 mm
 16-254 12 mm
 16-256 14 mm
 16-258 16 mm



13,5 cm
 16-260 8 mm
 16-262 10 mm
 16-264 12 mm
 16-266 14 mm
 16-268 16 mm



13,5 cm
 16-270 8 mm
 16-272 10 mm
 16-274 12 mm
 16-276 14 mm
 16-278 16 mm



HOKE, 13,5 cm
 16-286 3 mm
 16-288 5 mm
 16-290 6 mm
 16-292 8 mm
 16-294 9 mm



LUCAS, 16,0 cm
 16-296 4 mm
 16-298 6 mm



LUCAS, 16,0 cm
 16-300 3 mm
 16-302 5 mm



9-978
Lane Elevator
blunt 10 mm blade
20,0 cm



9-979
Lane Elevator
blunt 6 mm blade
20,0 cm



Cushing Elevator
19,0 cm



9-990
16 mm
straight sharp



9-991
16 mm
curved sharp



9-968 Farabeuf



9-970 Farabeuf

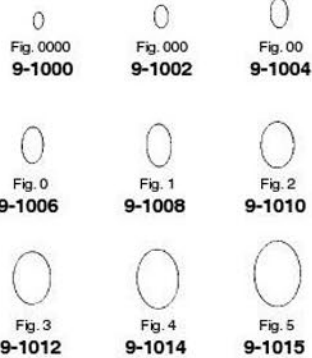
Periosteal Raspatories, Bone Curettes



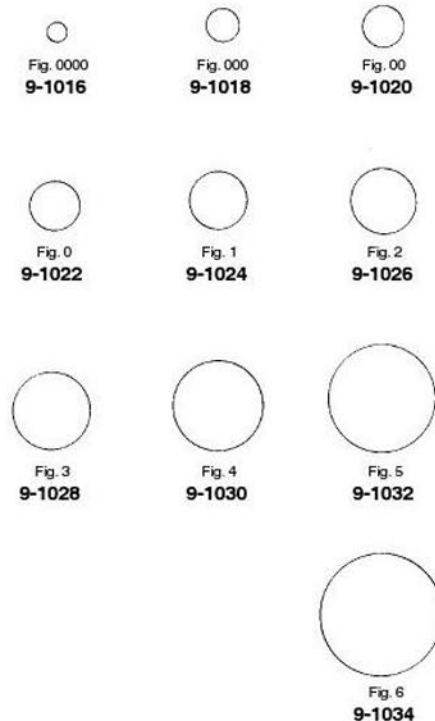
9-980 Lambotte 10 mm
9-982 Lambotte 15 mm
9-984 Lambotte 20 mm



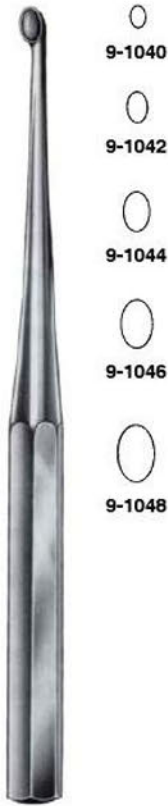
Spratt
 17,0 cm



Bruns
 17,0 cm



Bone Curettes



- 9-1040
- 9-1042
- 9-1044
- 9-1046
- 9-1048

Bruns 230 mm

- 9-1050
- 9-1052
- 9-1054
- 9-1056



9-1060 250 mm



- 9-1062
- 9-1064
- 9-1066
- 9-1068
- 9-1070
- 9-1072

Simon 240 mm

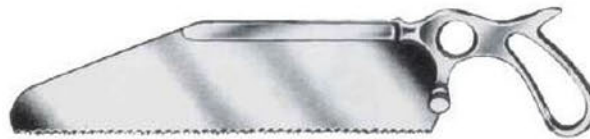
Amputation Retractor and Saws



9-1280 Percy Retractor



9-1282 Charrière 27 cm
9-1284 Charrière 30 cm



9-1286 Satterlee 31 cm



9-1290 Charrière 35 cm

Bone Cutting Forceps



Liston Bone Cutting Forceps
9-1300 140 mm straight
9-1302 140 mm curved
9-1304 170 mm straight
9-1306 170 mm curved
9-1308 190 mm straight
9-1310 190 mm curved
9-1312 220 mm straight
9-1314 220 mm curved



9-1320 Ruskin-Liston 190 mm straight
9-1322 Ruskin-Liston 190 mm curved



9-1330 Stille-Liston 270 mm straight
9-1332 Stille-Liston 270 mm curved



9-1336 Stille Horsley 270 mm

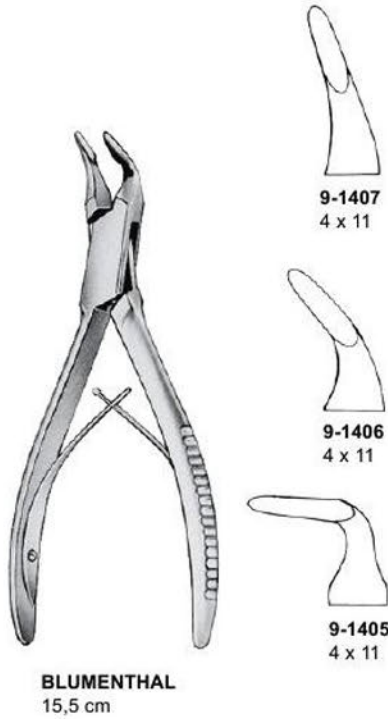


9-1340 Stille Semb 250 mm



9-1346 Böhler 150 mm straight
9-1348 Böhler 150 mm curved

Bone Rongeur Forceps



Bone Rongeurs



BÖHLER
 15,0 cm



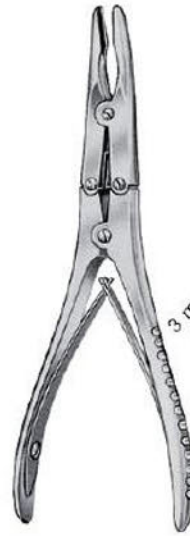
9-1376



9-1377



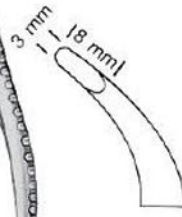
9-1378



KLEINERT-KUTZ
 15,0 cm



9-1373



9-1374



RUSKIN-MINI
 9-1375
 15,0 cm



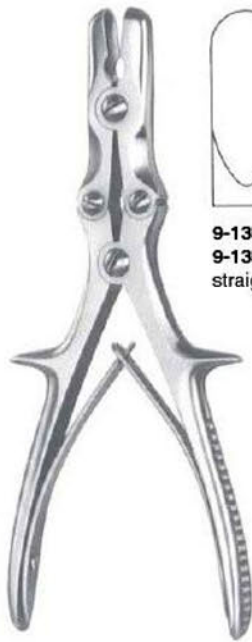
BEYER
 9-1380
 18,0 cm



ZAUFAL-JANSEN
 9-1372
 18,0 cm



RUSKIN
 9-1368
 18,0 cm



Stille-Luer Rongeur
 10 x 18 mm bite



9-1356 23,0 cm
9-1357 26,0 cm
 straight



9-1358 23,0 cm
9-1359 26,0 cm
 curved



9-1350
 Stille
 angled
 23,0 cm



Echlin Duckbill Rongeur
 curved on side
 straight bite



2 x 10 mm
9-1396



3 x 10 mm
9-1398

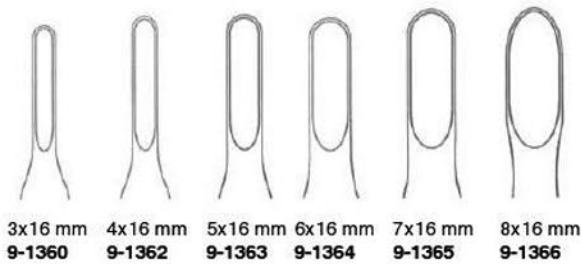


4 x 10 mm
9-1400

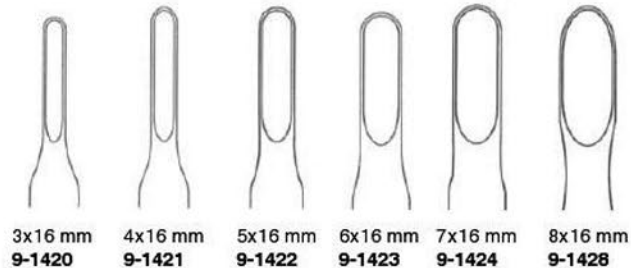


9-1418
 Frykholm Rongeur
 curved 4 x 14 mm bite





Leksell-Stille Rongeur
15° curved jaw
24,0 cm



Leksell-Stille Rongeur
50° curved jaw
24,0 cm



9-1370
Stille Ruskin Rongeur
curved
8 x 14 mm bite
23,0 cm



9-1369
Stille Luer Echlin Rongeur
curved on side
straight 6 x 15 mm bite
23,0 cm



9-1468
Marquardt Rongeur
slightly curved
3 x 15 mm bite
20,0 cm



9-1430
Sauerbruch Rongeur
square 20x20 mm bite
31,0 cm



9-1432
Sauerbruch Rongeur
oval 20x20 mm bite
31,0 cm



Stille-Luer Rongeur
27,0 cm



9-1440
17 x 24 mm
straight



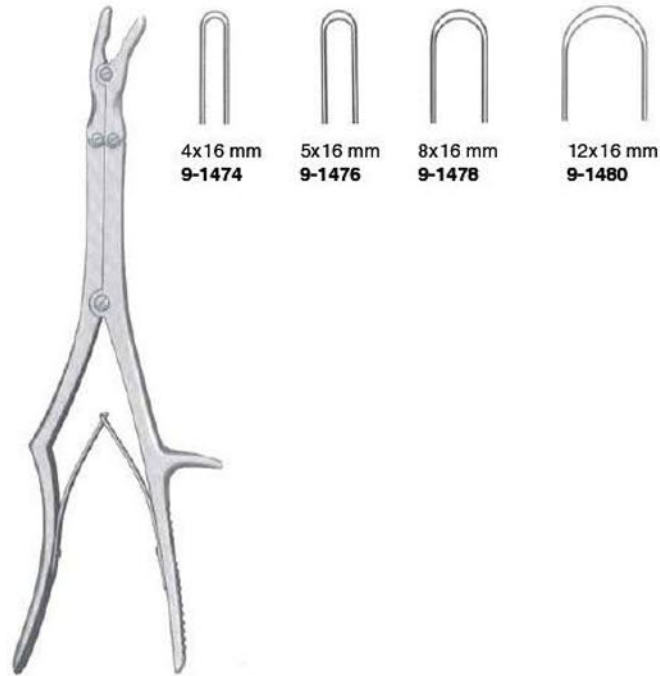
9-1442
17 x 24 mm
curved



9-1444
Semb Rongeur
23,0 cm



round 17 mm bite



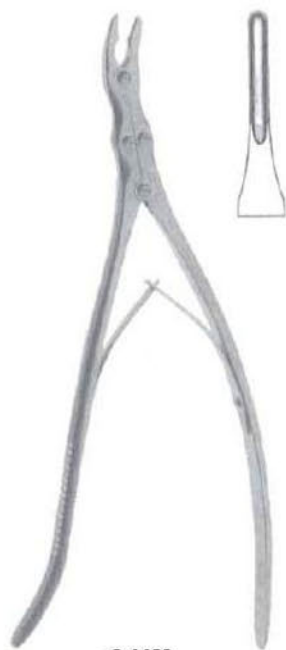
4x16 mm
9-1474

5x16 mm
9-1476

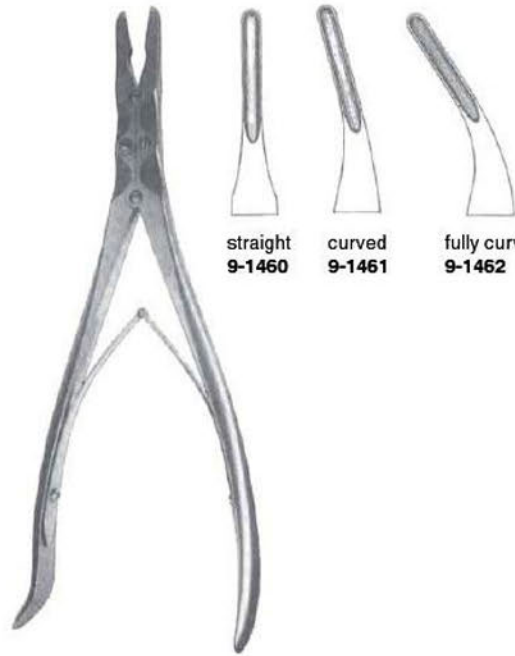
8x16 mm
9-1478

12x16 mm
9-1480

Syvert Rongeur
36,0 cm



9-1469
 Dale Rongeur
 curved 3x16 mm bite
 34,0 cm



straight
9-1460

curved
9-1461

fully curved
9-1462

Smith Peterson Rongeur
 3x16 mm bite
 24,0 cm



9-1252 Gigli Handle



- 9-1260** Gigli Saw, stainless 30 cm
- 9-1262** Gigli Saw, stainless 40 cm
- 9-1264** Gigli Saw, stainless 50 cm
- 9-1266** Gigli Saw, stainless 70 cm

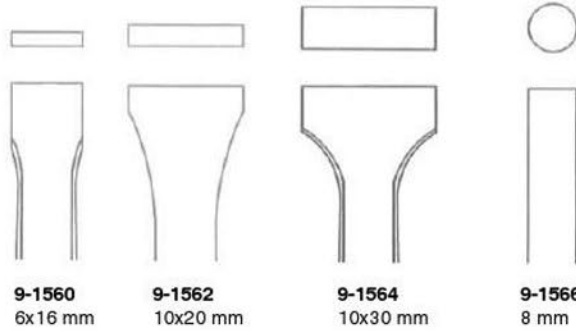


9-1270 De Martel 31 cm, Saw Guide

Interchangeable Gouges, Chisel and Impactors



25,0 cm



25,0 cm

- 9-790** straight 5 mm
- 9-792** straight 10 mm
- 9-794** straight 15 mm



25,0 cm

- 9-796** curved 5 mm
- 9-798** curved 10 mm
- 9-800** curved 15 mm



9-1470 Putti, 30,0 cm

Tamps



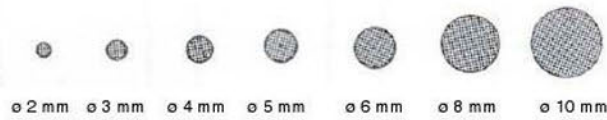
9-1600
 Bone Impactor
 6½" with nylon cap
 aluminium handle



Tap grafts into place with minimal bone trauma. Grid pattern on nylon cap helps prevent slippage.



9-1620
 Bone Tamp 43,0 cm
 round 3/8" serrated end

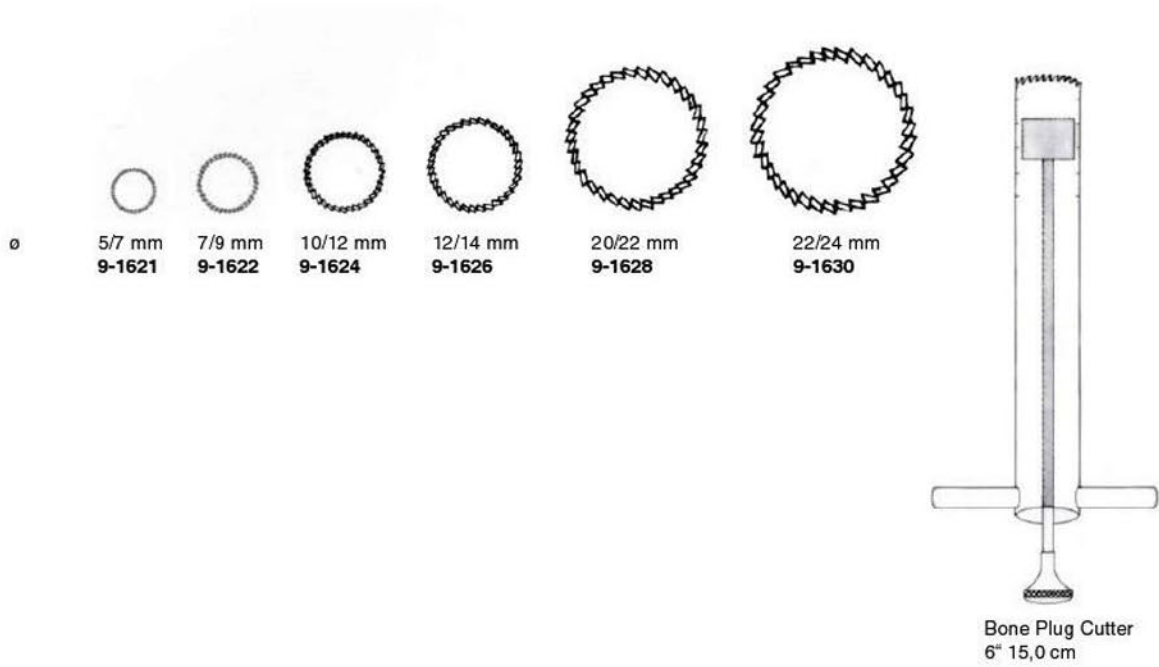


- 9-1602** 2 mm
- 9-1604** 3 mm
- 9-1606** 4 mm
- 9-1608** 5 mm
- 9-1610** 6 mm
- 9-1612** 8 mm
- 9-1614** 10 mm



Bone Tamp
 6" cross-serrated end

Trephine Bone Saws



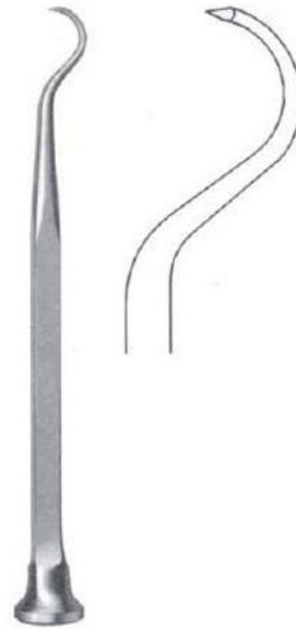
Designed for bone biopsy
 Can also be used to help
 remove broken bone screws



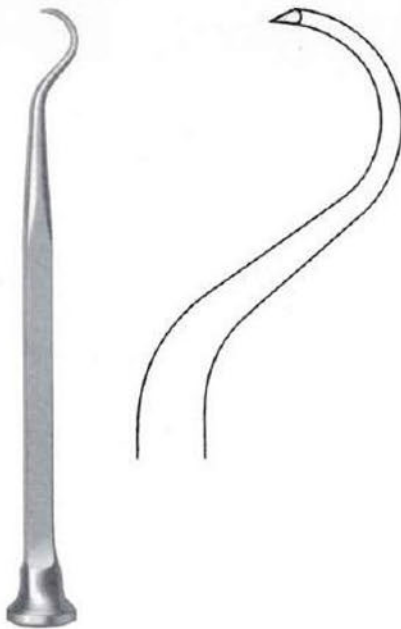
Michele Trephine
 7" 18,0 cm



9-1660
Shoulder Percussion Awl
small curve
8½" 22,0 cm



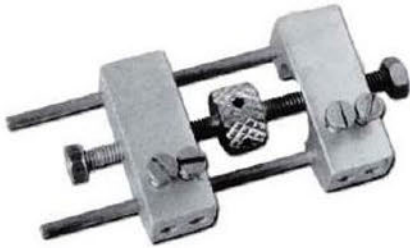
9-1662
Shoulder Percussion Awl
medium curve
8½" 22,0 cm



9-1664
Shoulder Penetrating Awl
phenolic handle
small curve
9¼" 24,0 cm



9-1666
Shoulder Percussion Awl
large curve
8½" 22,0 cm



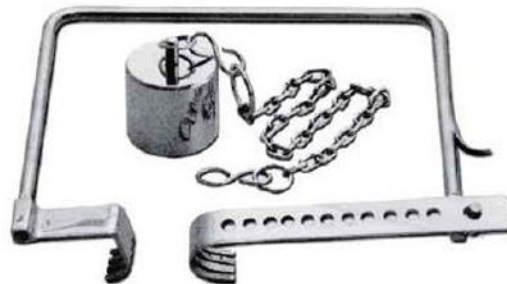
9-1690
Mini Distractor for Forearm



9-1692
Small Distractor for Tibia



9-1694
Large Distractor for Tibia & Femur



9-1696
Initial Incision Retractor with Weight & Chain