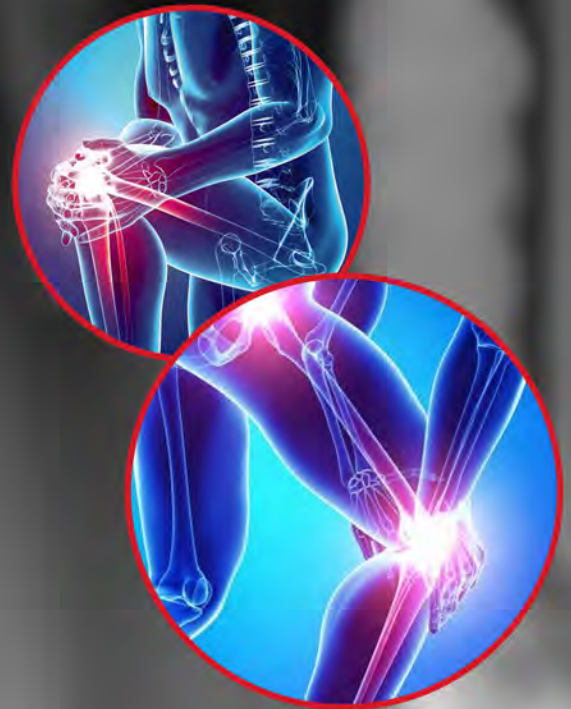
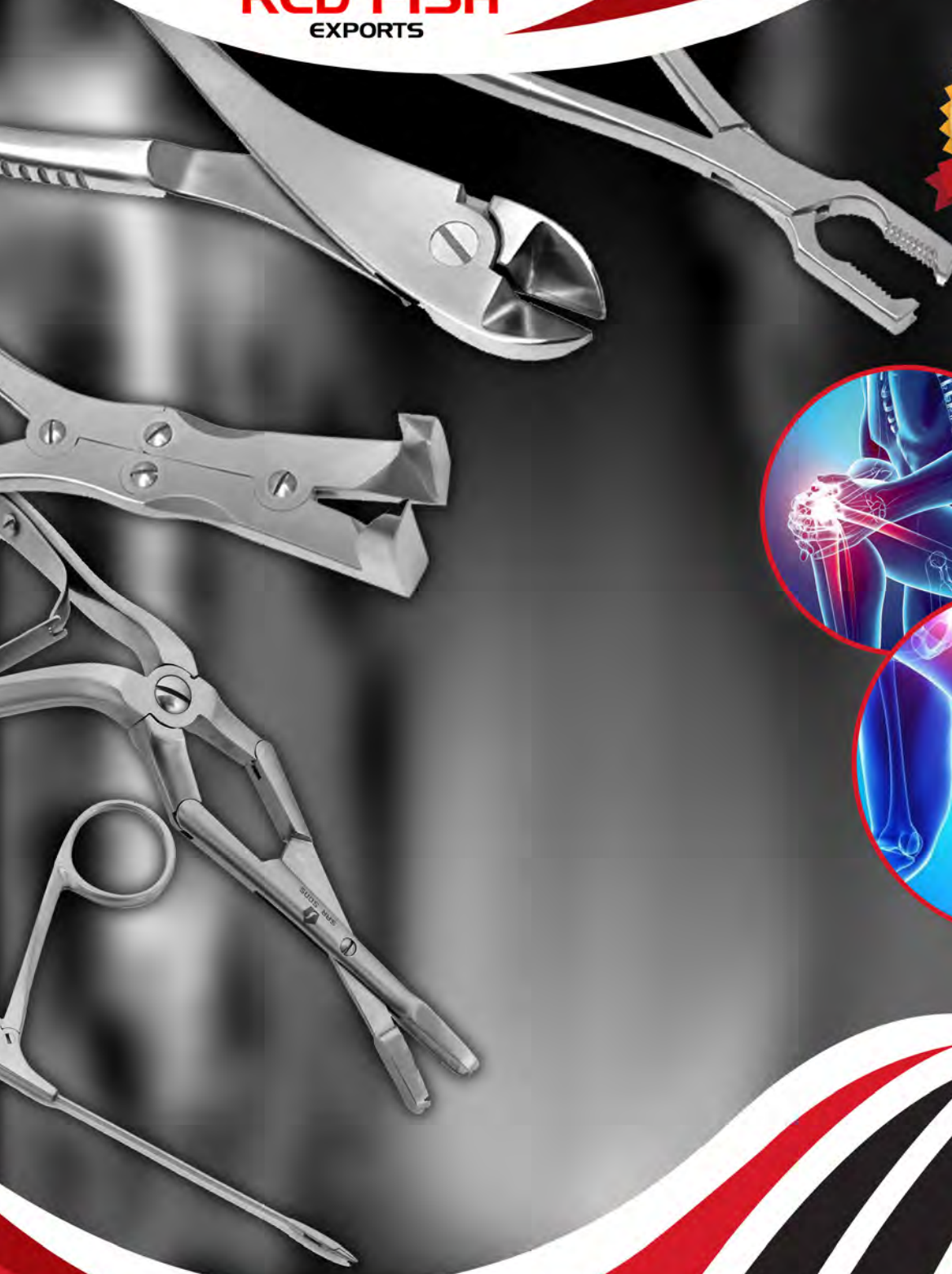




Latest Orthopedic Instruments CATALOGUE

www.redfishexports.com

Email: info@redfishexports.com

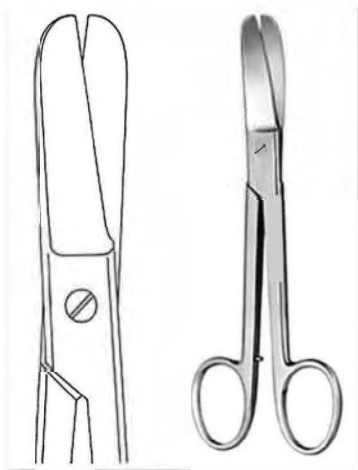
Whats App: +92 305 8836060

Website: www.redfishexports.com

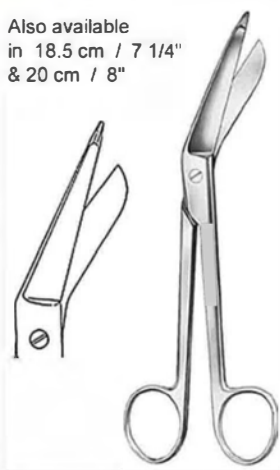
Address: Small Industrial Estate
Sialkot 51310 Pakistan

ISO:9001 13485



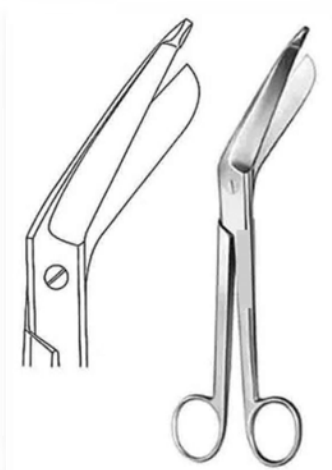


50-100-23
Lorenz Bandage Scissors
Heavy Pattern (23 cm / 9")



Also available
in 18.5 cm / 7 1/4"
& 20 cm / 8"

50-101-14
Lister Bandage Scissors
14.5 cm / 5 3/4"



50-102-23 Bergmann
Plaster Shears
Heavy Pattern
23.5 cm / 9 1/4"

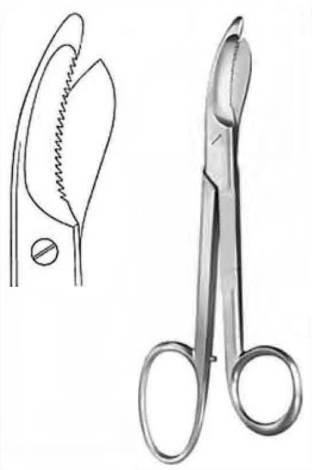


50-103-20
Esmarch Plaster Shears
Heavy Pattern, Short Blades
20 cm / 8"



Also available
in 18 cm / 7 1/2"

50-104-16
Bandage Scissors
16 cm / 6 1/4"
Black Plastic Rings



50-105-24
Bruns Plaster Scissors
24 cm / 9 1/2"
One Serrated Cutting Edge



B: 26 cm / 10"
C: 38 cm / 15"

50-106-00
Stille-Martin
Plaster Shears
A: 23 cm / 9"



50-107-15
Engel Plaster Saw 15.5 cm / 6"



50-108-20 Hopkins
Plaster Knife
20 cm / 8"
with Wooden Handle



50-109-18
Esmarch
Plaster Knife
18 cm / 7"



50-110-18
Reiner
Plaster Knife
18 cm / 7"

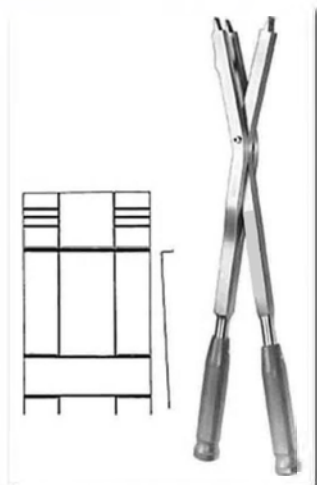


50-111-21
Martin
Plaster Knife
21 cm / 8 1/4"



112-15
Engel Plaster Saw 15.5 cm / 6"

113-18
Bergmann
Plaster Saw
18 cm / 7"



50-114-48
Hermann Plaster Spreader
48 cm / 19" Heavy Pattern



50-115-28
Hennig Plaster Spreader
28 cm / 11"



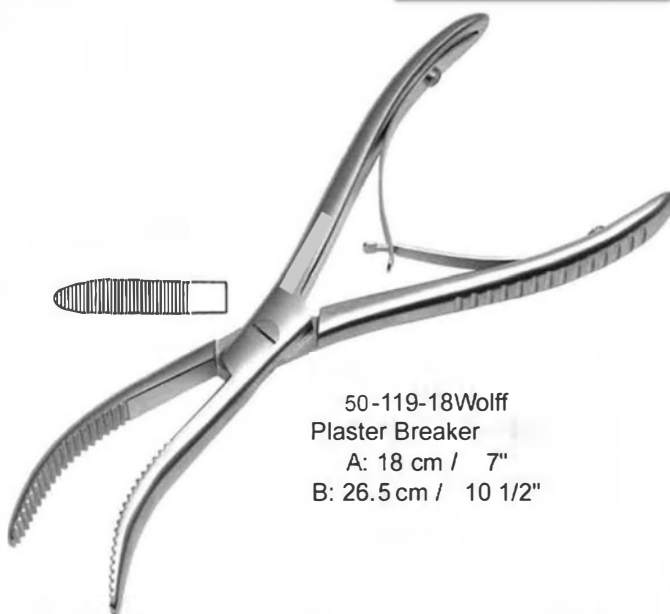
50-116
Hennig
Plaster Spreader
30 cm / 12"



0117 30
Beeson Plaster Spreader
1.5 In Blade
30 cm / 12"



50-118-23
Walton Plaster Spreader
w/Spring 3 Prongs
23 cm 19"



50-119-18 Wolff
Plaster Breaker
A: 18 cm / 7"
B: 26.5 cm / 10 1/2"



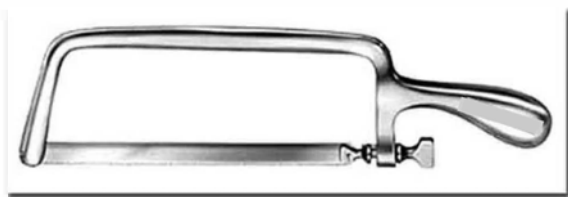
Also Available
in Non TC
Version

50-120-18-TC
Lister
Bandage Scissors
TC / Handle gold
18 cm / 7"

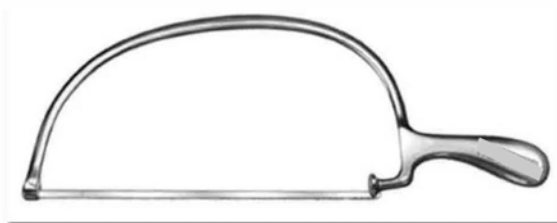


50-121-24-TC
Bruns
Plaster Scissors
24 cm / 9 1/2"
Also Available
in Non TC
Version





50-122-00 Charrière Amputation Saw
35 cm / 13 3/4"



50-123-00 BIER Amputation Saw
40.5 cm / 16"



50-124-24 Langenbeck Amputation Saw
24.5 cm / 9 3/4"



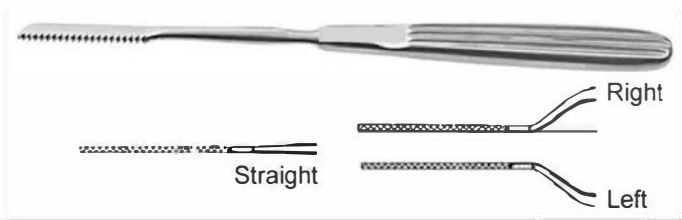
50-125-29 Satterlee Amputation Saw 29 cm / 11 1/2"
Also: Spare Saw Blade Available in 20 cm / 8 1/4" Size



50-126-27 Charrière Amputation Saw 27 cm / 10 1/2"



50-127-23 Satterlee Amputation Saw 23 cm / 9"



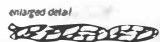
50-128-18 Joseph Amputation Saw 18 cm / 7"



50-129-30 Percy Amputation Shield 30 cm / 12"

50-130-00

- A: Gigli Saw 30cm
B: Gigli Saw 50cm
C: Tyler Gigli Saw (Large Cut) 30cm
D: Tyler Gigli Saw (Large Cut) 30cm



50-131-00 Gigli Pair
50-132-01 Struly Gigli Sold in
Sold in Pair



50-133-02
Gigli
Sold in Pair



50-134-03
Struly Gigli
Sold in Pair

ZM-50-135-30
BAILEY Gigli Saw Guide 30cm

ZM-50-136-28
POPPEN Gigli Saw Guide 28cm



50-137-13
Reamer
13.5 cm / 5 1/4"



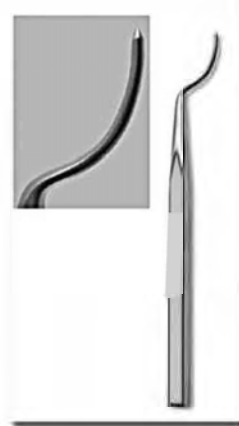
50-138-18
Perthes Reamer
18 cm / 7"



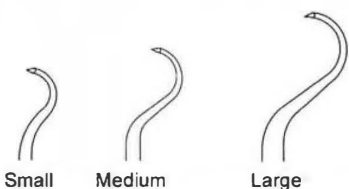
50-139-21
Perthes Reamer
21.5 cm / 8 1/2"



50-140-14
Reamer
One convcave side
14 cm / 5 1/2"



50-141-14
Glenoid Punch
20cm / 8"



50-142-00 Shoulder
Percussion Awl
A:21.5cm / 8 1/2" B: 23.5cm / 9 1/4"

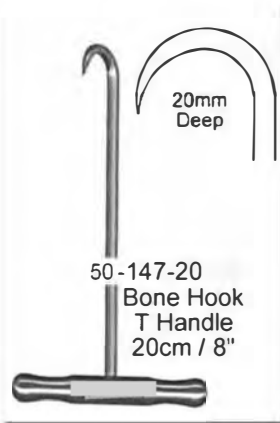
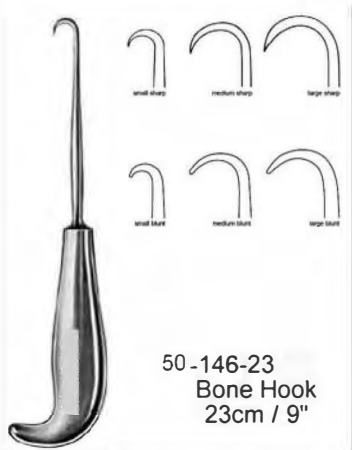


Pointed

A:19cm/7 1/2" 2.5mm
B:21cm/8 1/4" 3mm
C:21cm/8 1/2" 5mm
D:26cm/10 1/2" 6mm

50-144-00 Rush
Awl / Reamer

50-145-00
Shoulder
Penetrating Awl
Fibre Handle
A: 18cm / 7"
B: 23cm / 9"



50-150-25
Pointed Awl
Fibre Handle
25cm / 10"



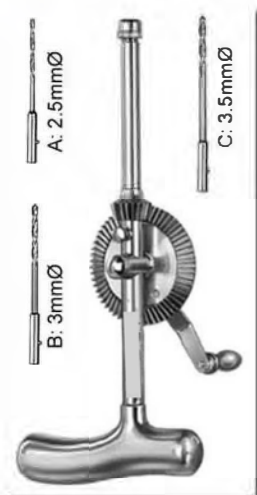
50-149-00 Volkman Bone Hook

A: 20cm / 8"
19X27mm
Sharp

B: 23cm / 9"
15X20mm
Blunt

C: 23cm / 9"
15X20mm
Sharp

C: 25cm / 9 3/4"
15X20mm
Sharp



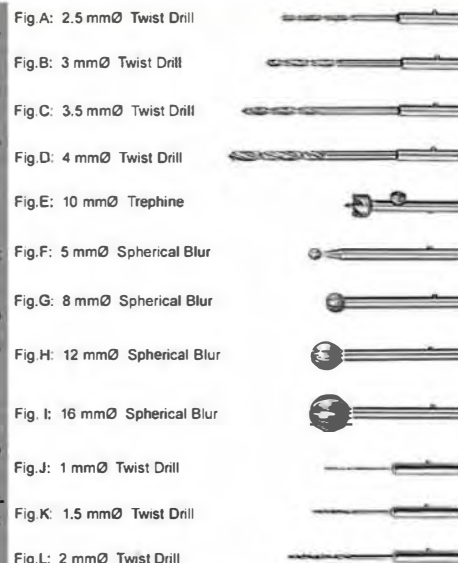
50-151-24
Stille-Sherman Hand Drill
24 cm / 9 1/2"
with 3 twist drills



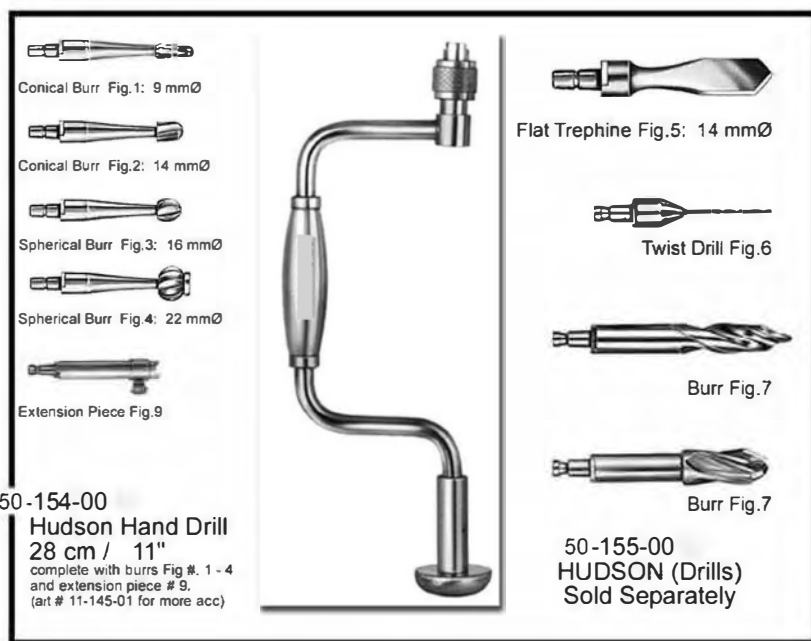
50-152-20
Stille Hand Drill
20.5 cm / 8"
w/ 9 Twist Drills



Complete with Hand Drill art # 11-138-01

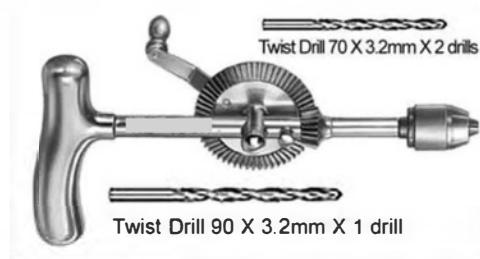


50-153-00

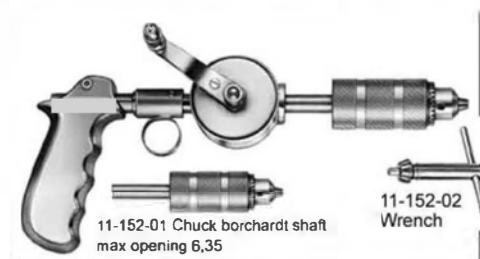


50-154-00
Hudson Hand Drill
28 cm / 11"
complete with burs Fig.#. 1-4
and extension piece #9.
(art # 11-145-01 for more acc)

50-155-00
HUDSON (Drills)
Sold Separately



50-156-00 Moore Hand Drill
complete with a set of 3 twist drills



50-157-00
Martin Hand Drill with Chuck & Wrench



50-158-16
Bunnell Hand Drill
16cm,

Longitudinally Bored with 3-Jaw-Chuck
Light Metal Housing
opening up to 4mmØ

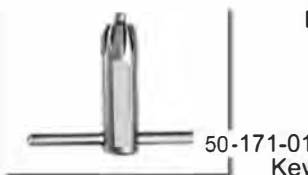


50-159-16
Bunnell Type
Hand Drill 16cm,

Twin Shade Powder Coated
Longitudinally bored with 3-Jaw-Chuck
light metal housing opening up to 4mmØ



Light Metal Housing
Literally Angled Handle with 3-Jaw-Chuck
and key, opening up to 6,35mmØ





50-175-00 5mm Borchardt Shaft Twist Drill
Long Working End

A: 2.0mm B: 2.5mm C: 3.0mm D: 3.2mm E: 3.5mm F: 4.0mm G: 5.0mm H: 6.0mm I: 7.0mm



50-176-00 5mm Borchardt Shaft Twist Drill

A: 1.0mm B: 1.5mm C: 1.8mm D: 2.0mm E: 2.2mm F: 2.5mm G: 2.8mm H: 3.0mm I: 3.2mm J: 3.5mm K: 4.0mm L: 5.0mm



50-177-00 5mm Borchardt Shaft Flat Trepine

A: 1.8mm B: 2.0mm C: 2.2mm D: 2.5mm E: 3.0mm F: 3.5mm G: 4.0mm H: 5.0mm



50-178-00 5mm Borchardt Shaft Spherical Burr
A: 3.0mm B: 4.0mm



50-179-00 5mm Borchardt Shaft Spherical Burr
A: 3.0mm B: 5.0mm



Long 5mm Borchardt Shaft



Short 5mm Borchardt Shaft

50-180-00 Doyen Spherical Burr
A: 4mm B: 6mm C: 8mm D: 10mm E: 12mm F: 14mm G: 16mm

50-181-00 Doyen Spherical Burr
A: 4mm B: 6mm C: 8mm D: 10mm E: 12mm F: 14mm G: 16mm



50-182-03 Doyen Conical Burr
Coarse Spacing 12mm Dia



50-183-00 Doyen Conical Burr
Fine Spacing A: 8mm / B: 10mm



50-184-00 Doyen Cylindrical Burr
Coarse Spacing A: 12mm / B: 15mm



50-185-00 Albee Burr Oval
Coarse Spacing A: 8mm / B: 10mm / C: 12mm



50-186-03 Albee Burr Pointed
7mm



50-187-03 Borchardt Burr Oval
Coarse Spacing 13mm



50-188-03 Flat Burr Short
Borchardt Shaft 25mm

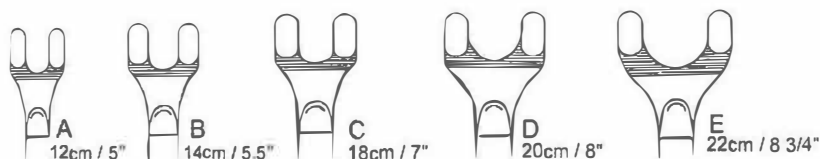


50-189-03 Toti Trepine
Short Borchardt Shaft 8mm



1X2 Jaws

50-190-00
Standard



Gerster-Lowman Bone Holding Clamp

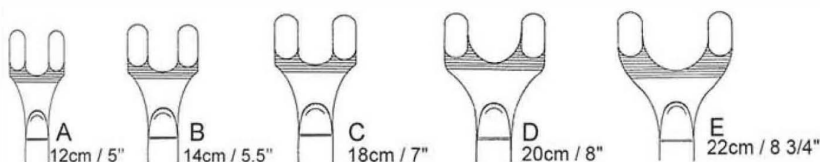


50-192-15 Gerster
Traction Bar
15cm / 6"

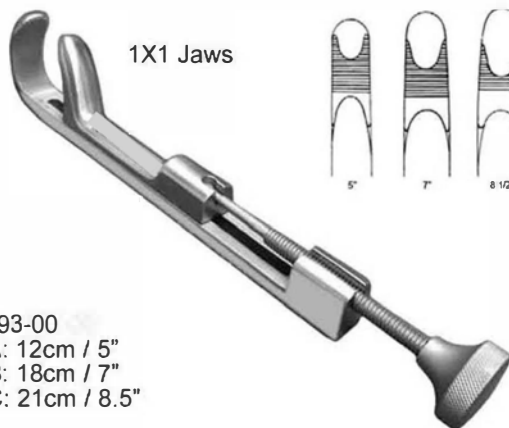
50-191-00
Angled



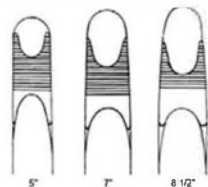
1X2 Jaws



Gerster-Lowman Bone Holding Clamp



1X1 Jaws



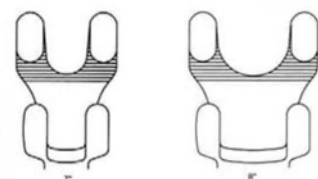
50-193-00
A: 12cm / 5"
B: 18cm / 7"
C: 21cm / 8.5"

Gerster-Lowman Bone Holding Clamp



2X2 Jaws

50-50-194-00
C: 18cm / 7"
B: 20cm / 8"



Gerster-Lowman Bone Holding Clamp



50-195-18 Flat Nose Plier 18.5 cm / 7 1/4" Parallel Grip SS



50-197-18 Flat Nose Plier / Cutter 18.5 cm / 7 1/4" Parallel Grip



50-200-22 Long Nose Plier / 22 cm / 8 1/4"



50-201-20 Vise Grip 20.5 cm / 8" Stainless Steel



SLAP HAMMER w/ Threaded Shaft Head to be used with 20-131-20 and 50-204-20



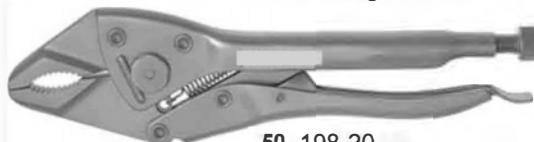
SLAP HAMMER w/ Hexa Shaft Head to be used with 20-131-20 and 50-206-20



50-207-00 Regular Jaw Locking Plier
A: 18 cm / 7" B: 20 cm / 8"
C: 23 cm / 9"



50-196-23 Vise Grip 23 cm / 9" Locking Plier



50-198-20 Vise Grip 20.5 cm / 8" Locking Plier



50-199-18 Vise Grip 18 cm / 7" Locking Plier



50-202-30 Needle Nose Locking Plier 30 cm / 12"



50-203-25 Needle Nose Locking Plier 25.5 cm / 10"



50-205-22 Needle Nose Locking Plier 22 cm / 8.5"



50-208-00 Needle Nose Locking Plier
A: 22 cm / 8.5"
B: 25.5 cm / 10"
C: 30 cm / 12"



50-209-15
Combi-Flat Nose Pliers 15 cm / 6"
for Bending & Cutting



50-212-18 Round / Flat Nose Pliers
18 cm / 7"



50-214-17 Flat Nose Pliers
17 cm / 6 3/4" with crosswise groove



ZM-50-210-18
Flat Nose Pliers
18 cm / 7"
Parallel Grip
Tc Gold



50-211-13 Flat Nose Pliers
13.5 cm / 5 1/4"



50-213-16 Hackstock Flat
Nose Pliers 16cm / 6 1/4"



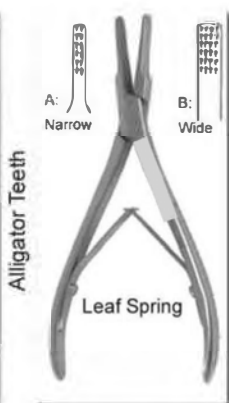
50-215-17
Flat Nose Pliers 17.5 cm / 7"



50-216-19
Flat Nose Pliers Pointed 19.5 cm / 7 3/4"



50-217-15
Platypus Nail
Pulling Forceps
15.5 cm / 6 1/4"



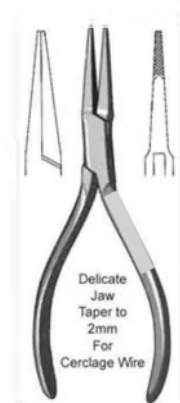
50-218-15
Platypus Nail
Pulling Forceps
15.5 cm / 6 1/4"



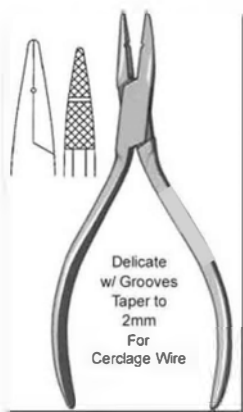
50-219-15
Round Nose Pliers
15.5 cm / 6 1/4"



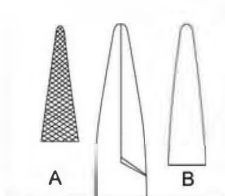
50-220-15
Needle Nose Pliers
15.5 cm / 6 1/4"



50-221-15
Flat Nose Pliers
15 cm / 6"



50-222-13
Needle Nose Pliers
13.5 cm / 5 1/4"



50-223-14
Needle Nose Pliers
Taper to 2mm Tip
14 cm / 5 1/2"
A: Fine Cross Serration
B: Smooth



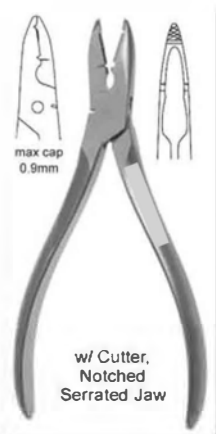
50-224-18
18.5 cm / 7 1/4"
Wire Cutting Pliers
Hard wires up to 1.8mm Ø



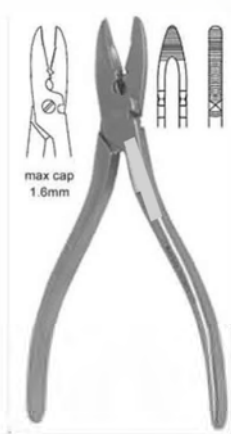
50-225-16
Martin "Diamant"
Hard wires up to 1.5mm Ø



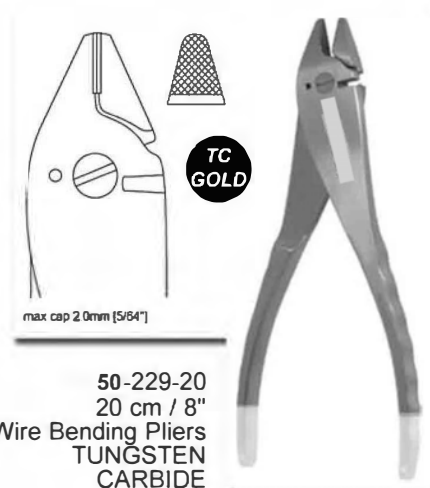
50-226-14
14 cm / 5 1/2"
Circlage Pliers / Cutter



50-227-20
20 cm / 8"
Wire Bending Pliers



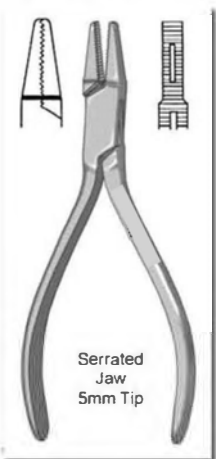
50-228-15
15 cm / 6"
Wire Bending Pliers



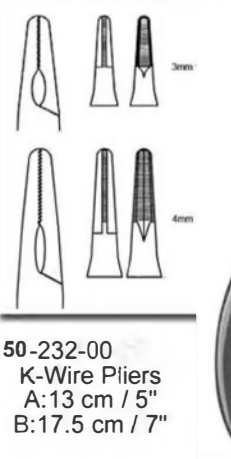
50-229-20
20 cm / 8"
Wire Bending Pliers
TUNGSTEN
CARBIDE



50-230-15
15 cm / 6"
Needle Nose Pliers



50-231-14
14 cm / 5 1/2"
Flat Nose Pliers



50-232-00
K-Wire Pliers
A: 13 cm / 5"
B: 17.5 cm / 7"



50-233-19
19 cm / 7 1/2"
Screw/Pin
Removing Pliers



50-238-00
UNIVERSAL Pliers
Serrated w/ Heavyduty Spring and Cutting Edge
Max Cutting Cap: 1.1mm



50-234-14
14 cm / 5 1/2"
Pin Puller
Grips Small Pins



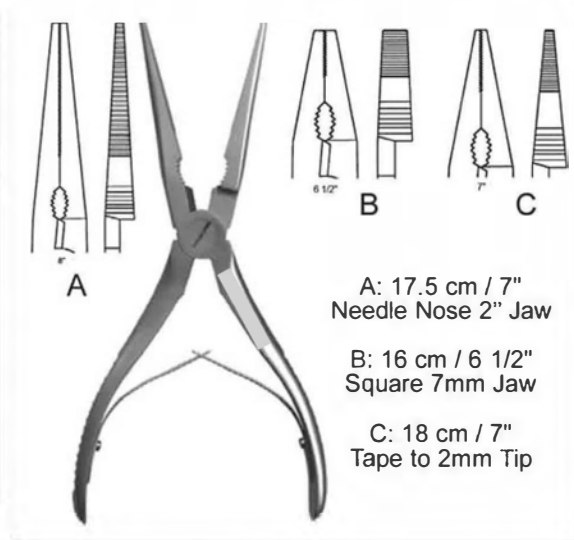
50-235-16
16 cm / 6 1/2"
Flat Nose Pliers
w/ Cutter
for Cerclage Wire



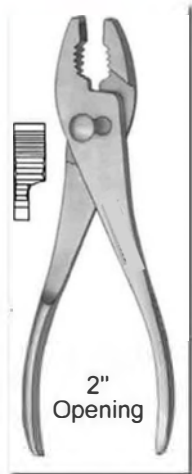
50-236-19
19 cm / 7 1/2"
Narrow
Nose Pliers
Heavy Jaws
for Pulling
Wire / Pins



50-237-17
17.5 cm / 7"
Long Jaw Pliers
2inch Long Jaw
Delicate



A: 17.5 cm / 7"
Needle Nose 2" Jaw
B: 16 cm / 6 1/2"
Square 7mm Jaw
C: 18 cm / 7"
Tape to 2mm Tip



2" Opening
50-239-20
20 cm / 8"
Slip Joint Pliers



Max Cap:
1.6mm
w/ Cutting
Edge
50-240-21
21 cm / 8 1/2"
Lineman Pliers

All TUNGSTEN CARBIDE



A
2mm



B
3mm



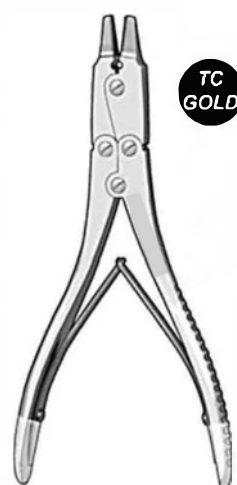
C
2mm long



D
6mm

A: 2mm Delicate Jaw TC
B: 3mm Jaw TC
C: 2mm Long Jaw TC
D: 6mm Jaw TC

50-241-00
18 cm / 7"
Double Action Wire Extraction Plier



TC
GOLD



50-242-19 19 cm / 7 1/2" Gratloch Wire Bender



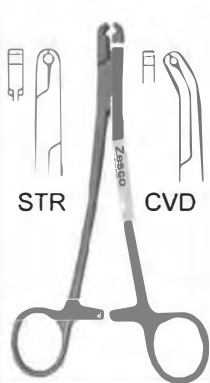
Max Cap:
1.1mm
50-243-13
13.5 cm / 5"
K-Wire / Plate Bender



Max Cap:
1.6mm
50-244-14
14.5 cm / 5 1/2"
K-Wire / Plate Bender



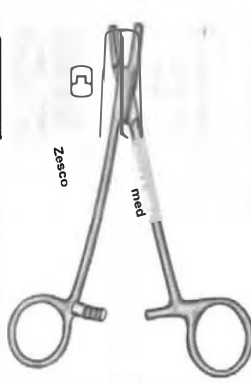
50-245-13
13.5 cm / 5"
Mini Plate
Bending Pliers



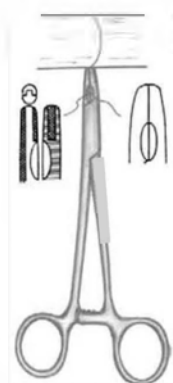
STR CVD
50-246-00
18 cm / 7 1/4"
Rod Holder
A: 4.0mm Rod
B: 4.76mm Rod
C: 6.35mm Rod
Straight or Curved



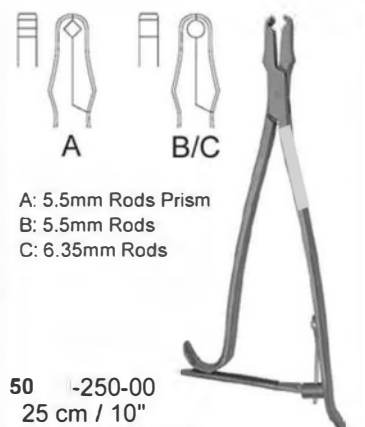
50-247-14
14.5 cm / 5 1/2"
Plate Bending Pliers



50-248-16
16 cm / 6 1/2"
Wire Pulling Forceps



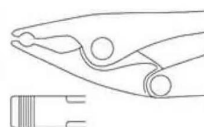
50-249-16
16 cm / 6 1/4"
Wire Twister / Tightner



A
B/C
50-250-00
25 cm / 10"
Rod Holder STR
A: 5.5mm Rods Prism
B: 5.5mm Rods
C: 6.35mm Rods



50-251-21
21 cm / 8 1/2"
Rod Gripper
Adjustable





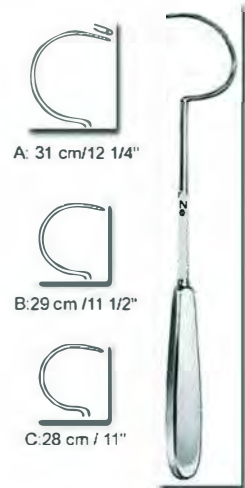
50-252-21
Loute Wire Tightener (21 cm / 8 1/4")



50-253-11
Wire Tightener
w/ T Handle
11 1/2 cm / 4 1/2"



50-254-21
Wire Tightener 12 cm / 4 3/4")



50-255-00 Demel
Wire Guide



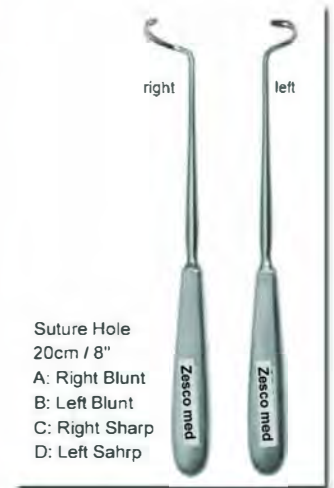
50-256-18 Bankert
Ligature Carrier



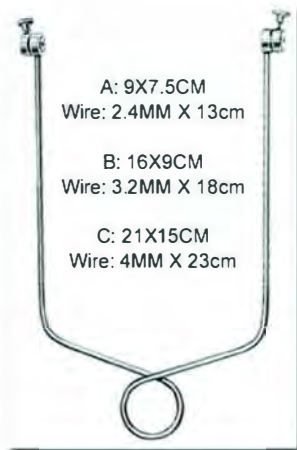
50-257-00
Suture Passer



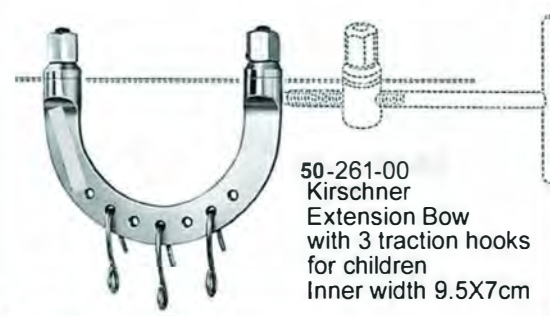
50-258-00
Suture Passer



50-259-00 Deschamps
Ligature Carrier



50-260-00
Böhler Extension
Bow for femur & knee



50-261-00
Kirschner
Extension Bow
with 3 traction hooks
for children
Inner width 9.5X7cm

20-143-02
for Wrist / Ankle
10.5X10.5cm

20-143-03
for Elbow
12X12cm

20-143-04
for Knee
15.5X15.5cm

20-143-05
for Femur
20X15.5cm



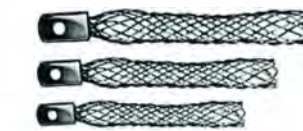
50-263-18
Wire Strainer 18.5 cm / 7 1/4"



50-264-00
Extension Bow
A: 10 1/2" X 6 1/4"
B: 7" X 4"



50-265-00
Fixation Discs
for wire drills, pair



50-266-00 Extension Sleeve
Small / Medium / Large



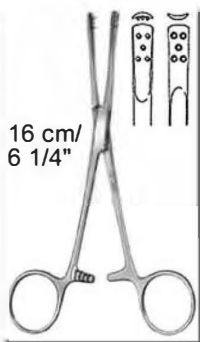
50-267-00 Traction Hook
for Extension Bows



50-268-20
Wrench 20cm / 8"



50-273-14
Radolf
Nail Extracting Forceps



50-274-16
Nail Extracting
Forceps



50-270-10 Feldheim Tourniquet
10cm / 4"



50-275-18
Martin Finger
Ring Saw 18.5 cm / 6 3/4"
Spare Blades are Available
Separately



50-271-16
Walton
Finger Ring Saw
16 cm / 6 1/4"



50-272-17
Finger Ring Saw
17 cm / 6 3/4"



50-276-00
Finger Ring Saw Cutter Spare



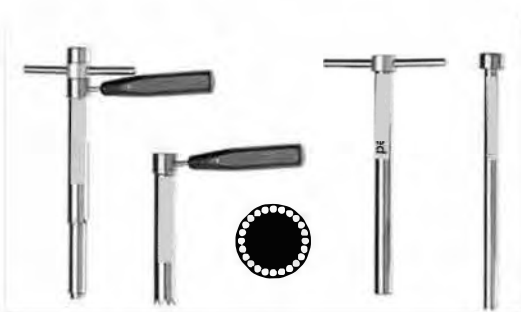
50-277-00 Lead Hand for Kids / Adults



50-278-00 Lead Hand for Kids / Adults



50-279-00
Champany-OSU Bone Biopsy Instruments
Consisting of trocar, a toothed trephine
and a plunger for taking tibial and
iliac bone grafts through a closed technique
22 cm / 8 3/4"



50-280-00
Champany Cancellous Bonegraft Mill
Outer Dia: 17mm
Inner Dia: 16mm



50-281-00
Champany Bone Biopsy Instruments
A: Outer Dia: 5mm Inner Dia: 4mm
B: Outer Dia: 8mm Inner Dia: 7mm
22 cm / 8 3/4"



50-282-00 15.5cm/6"
Bone Tamper

Tip Sizes:
2-3-4-5-6-8-10mm



50-284-17 17cm / 6 1/2"
Bone Impactor / Teflon Tip



Cross-Serrated
A: 3mm
B: 5mm
C: 8mm

50-285-00 20cm / 8"
Caspar Bone Tamper

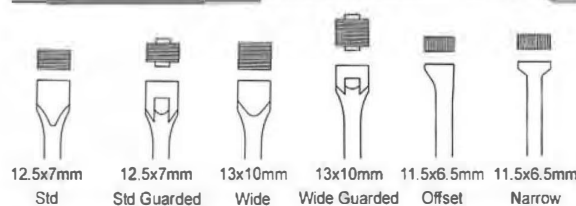


50-283-00
Bone Tamper

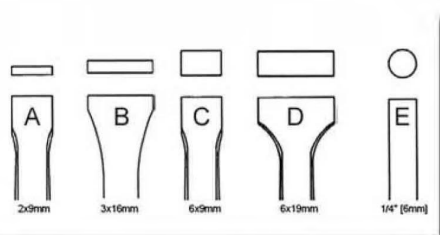
Knurling Handle



50-286-00 21cm / 8 1/2" Lumbar / Cervical Impactor



50-287-00 21cm / 8 1/2" Lumbar / Cervical Impactor



A: 2x9mm B: 3x16mm
C: 6x9mm D: 6x19mm
E: 6mm Dia

50-288-00 25cm / 10"
Bone Chip Packer



9.5mm DIA

50-289-43 43cm / 17"
Bone Tamper





50-290-30 Putti Bone Rasp Round / Semi Round
30cm / 11 3/4"



50-292-28 Bone File 28 cm / 11" w/ Hollow Handle
Semi Round



50-294-22 Bone File 22 cm / 8 3/4"
Flat / Round



50-291-27 Putti Bone Rasp Curved / Straight
27cm / 10 3/4"



50-293-24 Bone File 24.5 cm / 9 3/4"
w/ Hollow Handle Semi Round



50-295-22 Bone Rasp 22 cm / 8 3/4"
Flat / Round



50-296-18 Bone File 18 cm / 7"
Fibre Handle / Cross-Hatch



50-297-18 Bone File 18 cm / 7"
Fibre Handle / Linear



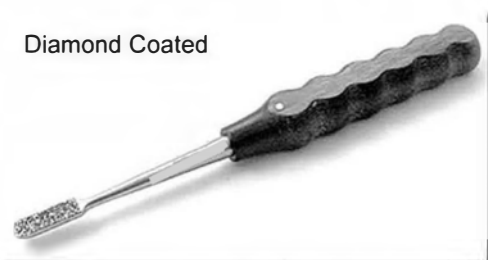
50-298-18 Bone File 18 cm / 7"
Fibre Handle / Straight



50-299-18 Bone File 18 cm / 7"
Fibre Handle / CVD Forward



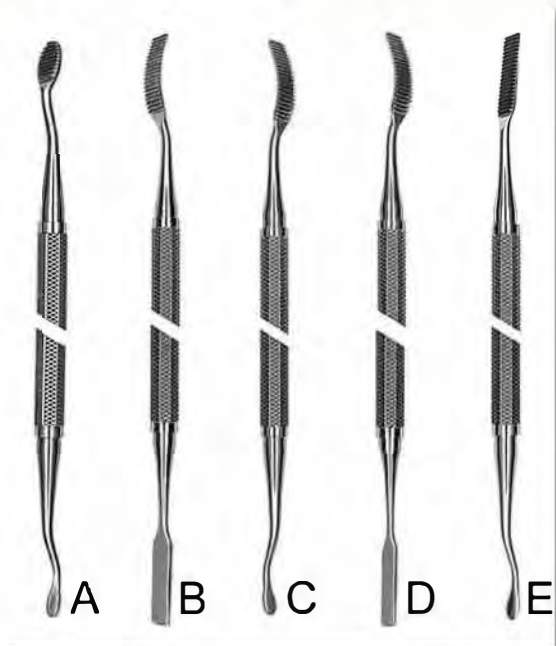
50-300-18 Bone File 18 cm / 7"
Fibre Handle / CVD Backward



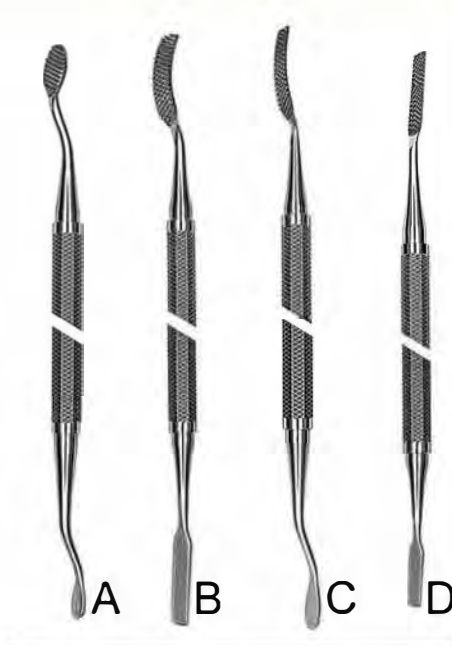
50-301-18 Bone File 18 cm / 7"
Fibre Handle / STR Diamond Coated



50-302-18 Bone File 18 cm / 7"
Fibre Handle / CVD Diamond Coated



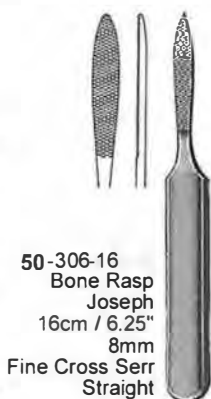
50-303-00 A / B / C / D / E
Miller-Colburn Bone File 18 cm / 7" Downwards Cut



50-304-00 A / B / C / D /
Miller-Colburn Bone File 18 cm / 7" Cross Cut



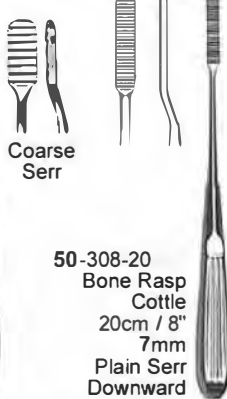
50-305-21
Bone Rasp
21 cm / 8.5"
13mm
Fine/Coarse
Straight



50-306-16
Bone Rasp
Joseph
16cm / 6.25"
8mm
Fine Cross Serr
Straight



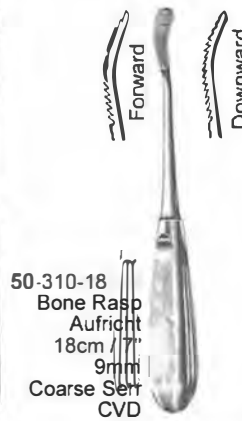
50-307-19
Bone Rasp
Lewis
19cm / 7.5"
8mm
Straight



50-308-20
Bone Rasp
Cottle
20cm / 8"
7mm
Plain Serr
Downward



50-309-18
Bone Rasp
Maltz
18cm / 7"
9mm
Plain
Coarse Serr
Downward



50-310-18
Bone Rasp
Aufrecht
18cm / 7"
9mm
Coarse Serr
CVD



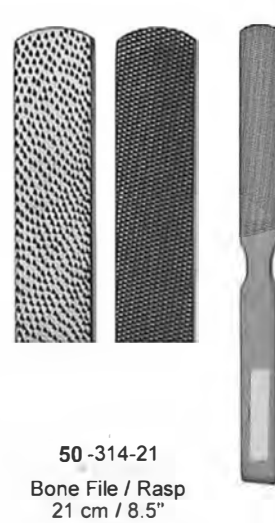
50-311-21
Bone Rasp
Fomon
21 cm / 8.5"
8mmX40mm
Coarse Serr
4 Sided
Flat / Covex Baldes



50-312-21
Bone Rasp
Fomon
21 cm / 8.5"
8mmX40mm
Fine Serr
4 Sided
Flat / Covex Blades



50-313-21
Bone Rasp
Kleinert Kurtz
21 cm / 8.5"
8mmX45mm
Fine/Coarse Serr
4 Sided
Flat / Covex Blades



50-314-21
Bone File / Rasp
21 cm / 8.5"
18mm
Fine / Coarse Serr



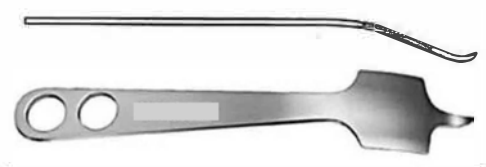
50-315-16 Bone Lever
16 cm / 6 1/4"



50-318-16 Hohman, Mini Bone Lever
16 cm / 6 1/4" 14 mm tip



50-320-22 Hohmann Bone Lever
22 cm / 8 3/4" 8 mm Tip narrow tip



50-322-23 Hohmann Bone Lever
23.5 cm / 9 1/4" 43 mm Tip narrow tip



50-325-25 Lange-Hohmann Bone Lever
25 cm / 9 3/4" 22mm Tip
wide tip with groove



50-327-00
Hohmann Bone Lever 27.5 cm / 10 3/4"
24mm Tip wide, round tip



Sizes
Available
A: 75X30mm
B: 100X30mm

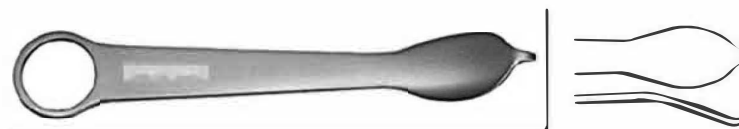
50-332-00
A / B
Taylor Spinal
Retractor
16 cm/6 1/4"
pointed end



50-316-16 Hohman, Mini Bone Lever 16 cm / 6 1/4" 6mm tip



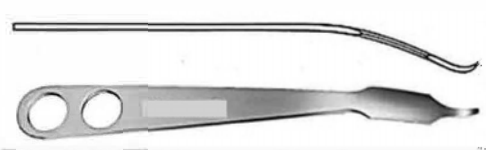
50-317-16 Hohman, Mini Bone Lever 16 cm / 6 1/4" 8 mm tip



50-319-12 Hohman, Mini Bone Lever 12 cm / 4 3/4" 14 mm tip



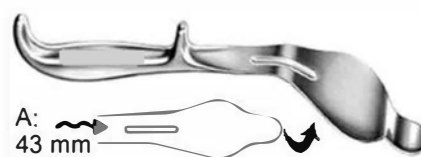
50-323-00
Hohmann Bone Lever
13cm/5" A:3mm B:5mm C:7mm



50-321-23 Hohmann Bone Lever
23.5 cm / 9 1/4" 18 mm Tip narrow tip



50-324-29
Hohmann Bone Lever 29 cm / 11 1/2"
35mm Tip wide tip



50-326-24 A / B
Bennett Bone Lever
24 cm / 9 1/2"

B: 60 mm



50-329-26 Blount Knee Retractor
26.5 cm / 10 1/2" blunt



50-331-26 Blount Knee Retractor
26.5 cm / 10 1/2"



ZM-50-328-25
Hohmann Bone
Lever 25 cm / 9 3/4" 70 mm Tip narrow tip



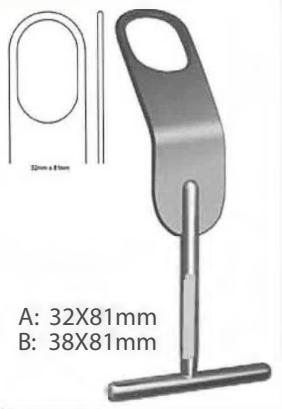
ZM-50-330-23
Hohmann
Bone Lever
23.5 cm / 9 1/4" 43mm Tip narrow tip



50-333-25
Hohmann Bone Lever 25.5 cm / 10"
22mm Tip wide tip



50-334-17 Blount
Knee Retractor
17.5 cm / 7"



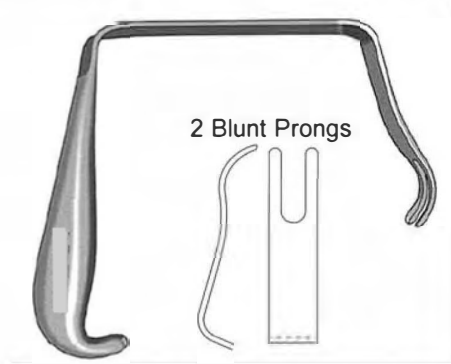
50-335-19 Fukuda Retractor
19 cm / 7 1/2" T Handle



50-336-28 Browne - Deltoid Retractor
28 cm / 11" T Handle w/ Ring



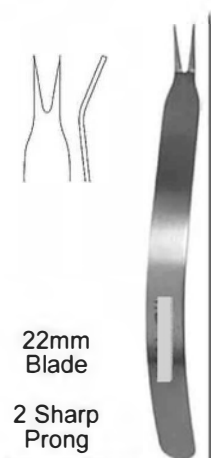
50-337-18 Humeral Head Retractor
18 cm / 7" Strong Curved



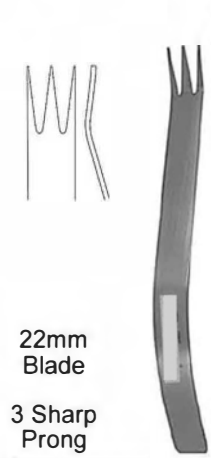
50-338-18 Bristow / Bankart
Humeral Retractor
18 cm / 7"



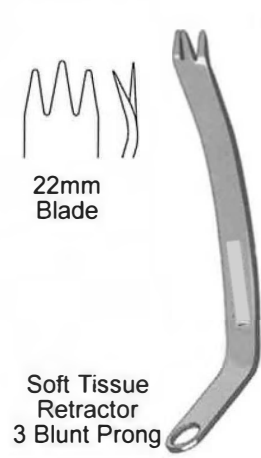
50-339-25 Capsule Retractor
25 cm / 10"



50-340-25 Capsule Retractor
25 cm / 10"



50-341-25 Capsule Retractor
25 cm / 10"



50-342-19 Bristow/Bankart
19 cm / 7 1/2"



50-343-00 Blade Retractor
19 cm / 7 1/2"



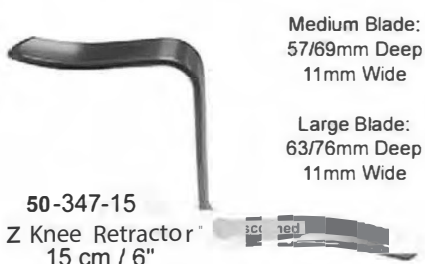
50-344-13 Smillie Retractor
13cm / 5"



50-345-14 Smillie Retractor
14cm / 5 1/2"



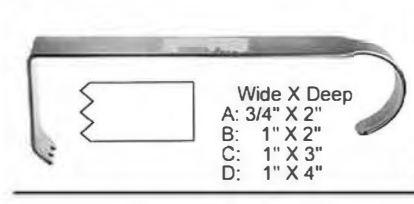
50-346-00 Smillie Retractor
Angled Blade 14cm / 5 1/2"



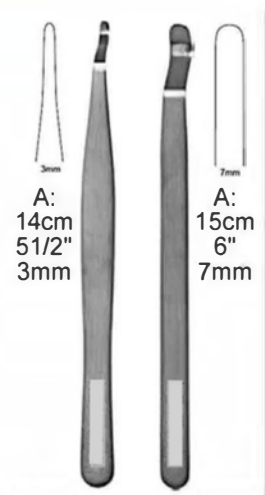
50-347-15 Z Knee Retractor
15 cm / 6"



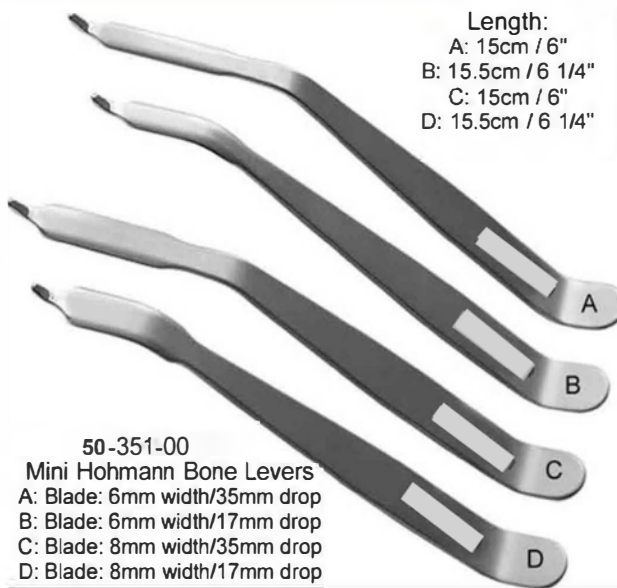
50-348-22 Knee Retractor
22 cm / 8 1/2" Ring Handle



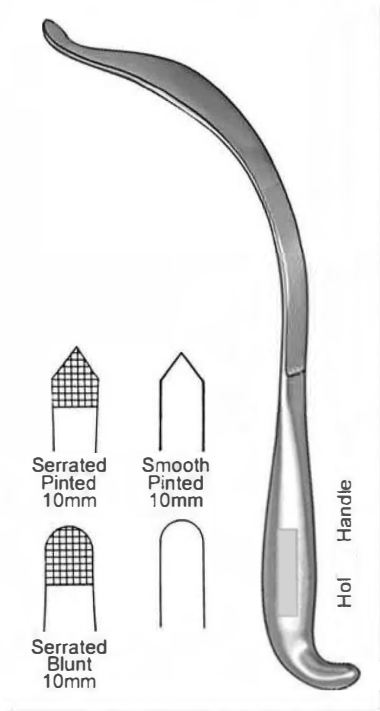
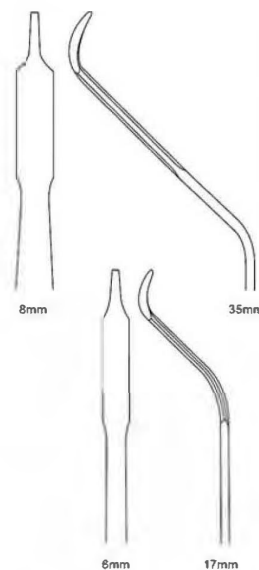
50-349-24 Hibbs Retractor
24 cm / 9 1/2" Sharp Teeth



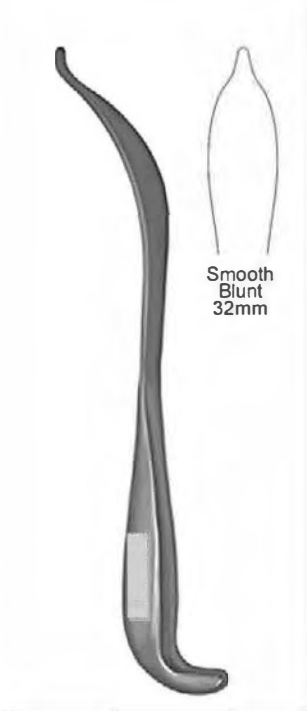
50-350-00
Hayes Retractor



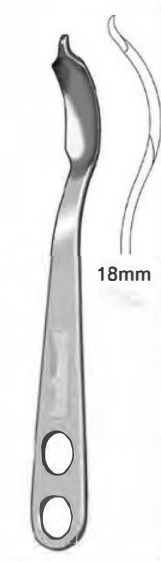
50-351-00
Mini Hohmann Bone Levers
A: Blade: 6mm width/35mm drop
B: Blade: 6mm width/17mm drop
C: Blade: 8mm width/35mm drop
D: Blade: 8mm width/17mm drop



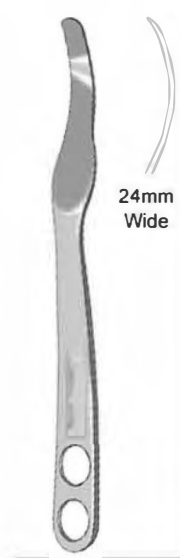
50-352-26
Aufranc Cobra Retractor
A: 26cm / 10 1/2"



50-353-27
Aufranc Cobra Retractor
A: 27.5cm / 11"



50-354-23
Humeral Head
Retractor
23cm / 9"



50-355-26
Pelvic Retractor
Single Prong
A: 26cm / 10 1/2"



30-356-30
Murphy Bone Skid
30cm / 12"



50-357-00
Ribbon Retractor Malleable
30cm / 12"

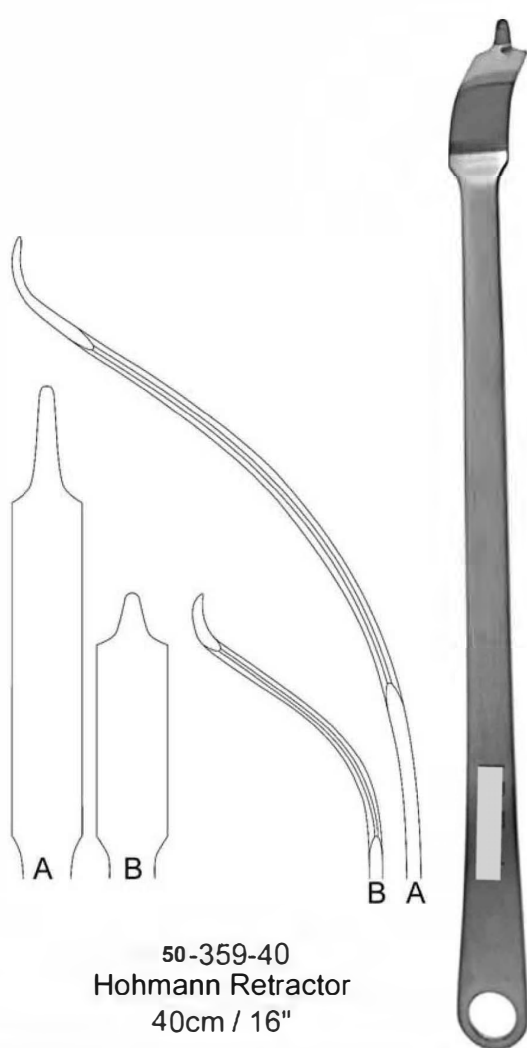
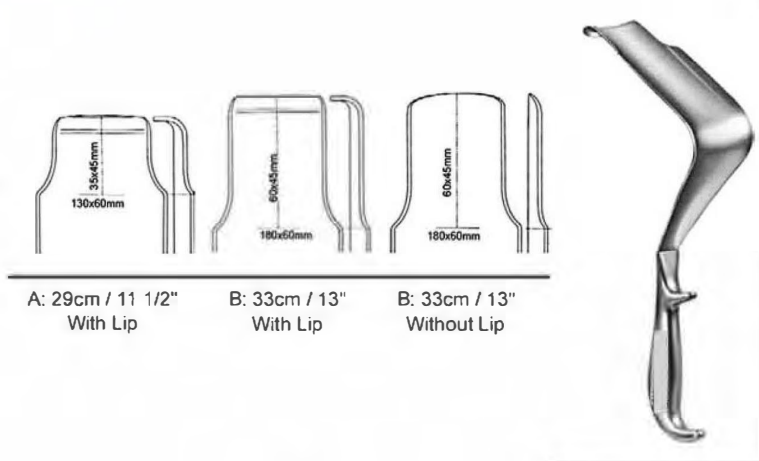
A: 6" X 6mm
B: 6" X 12mm
C: 6" X 16mm
D: 6" X 19mm
E: 7 1/2" X 25mm

F: 8" X 6mm
G: 8" X 10mm
H: 8" X 12mm
I: 8" X 16mm
J: 8" X 19mm

K: 13" X 19mm
L: 13" X 30mm
M: 13" X 38mm
N: 13" X 45mm
O: 13" X 50mm
P: 13" X 65mm
Q: 13" X 75mm

Sizes Available

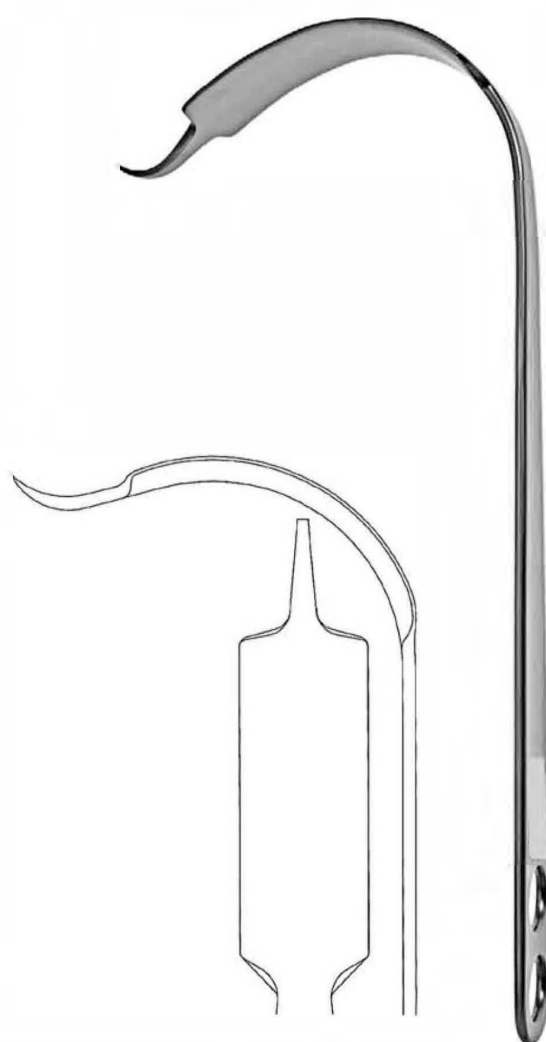
50-358-00
St. Mark's Pelvic Retractor
Angled Blade



50-359-40
Hohmann Retractor
40cm / 16"

A: 22mm Blade
2 Finger Rings Long Round → 

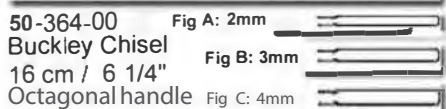
B: 22mm Blade
1 Finger Ring Short Round → 



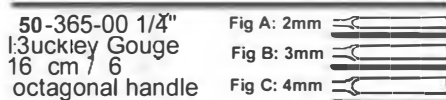
50-360-33
Hohmann Retractor
33cm / 13"
40mm Blade Width



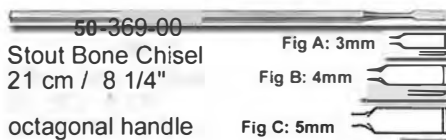
30-361-7
Virchow
Skull Breaker
7.5cm / 3"



50-364-00 Fig A: 2mm
Buckley Chisel
16 cm / 6 1/4"
Octagonal handle Fig B: 3mm
Fig C: 4mm



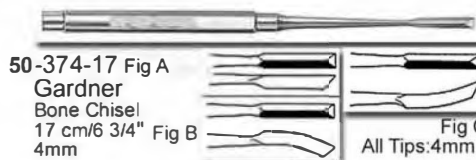
50-365-00 1/4"
Buckle Gouge
16 cm / 6"
octagonal handle Fig A: 2mm
Fig B: 3mm
Fig C: 4mm



50-369-00 Fig A: 3mm
Stout Bone Chisel
21 cm / 8 1/4"
octagonal handle Fig B: 4mm
Fig C: 5mm



50-371-00 Bone Chisel 4mm
18 cm / 7"
Round handle
12-115-19 4mm
17 cm / 6 3/4"



50-374-17 Fig A
Gardner
Bone Chisel
17 cm / 6 3/4" Fig B
4mm Fig C
All Tips: 4mm



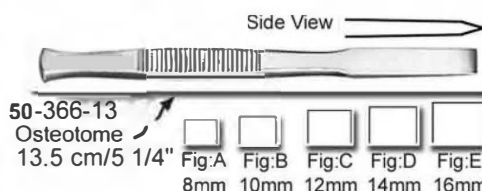
50-376-00 Fig A:
Snyder-O.S.U
Bone Chisel
16.5 cm / 6 1/2"
3 mm / 5 mm Fig B:
5mm



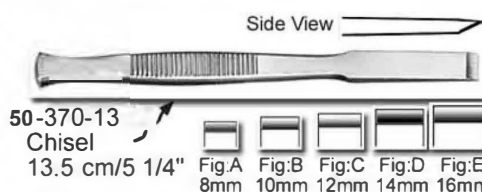
50-362-18 Bone Chisel
18 cm / 7" Octagonal Handle 4mm



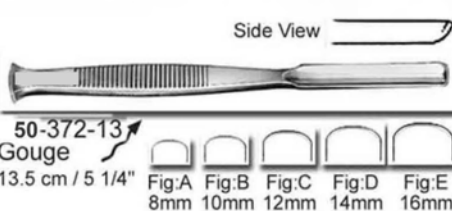
50-363-18A Bone Chisel
18 cm / 7" Octagonal Handle 3mm



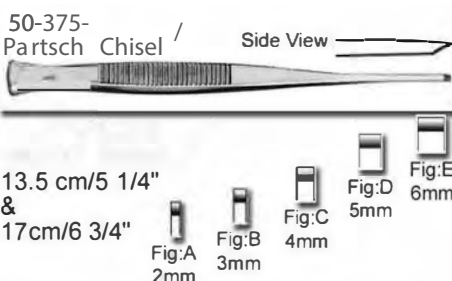
50-366-13
Osteotome
13.5 cm / 5 1/4" Fig A: 8mm
Fig B: 10mm
Fig C: 12mm
Fig D: 14mm
Fig E: 16mm



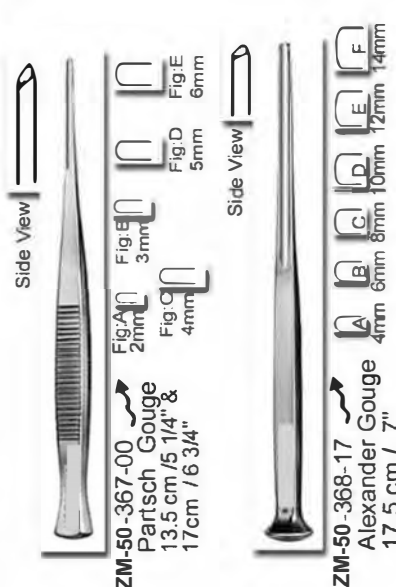
50-370-13
Chisel
13.5 cm / 5 1/4" Fig A: 8mm
Fig B: 10mm
Fig C: 12mm
Fig D: 14mm
Fig E: 16mm



50-372-13
Gouge
13.5 cm / 5 1/4" Fig A: 8mm
Fig B: 10mm
Fig C: 12mm
Fig D: 14mm
Fig E: 16mm



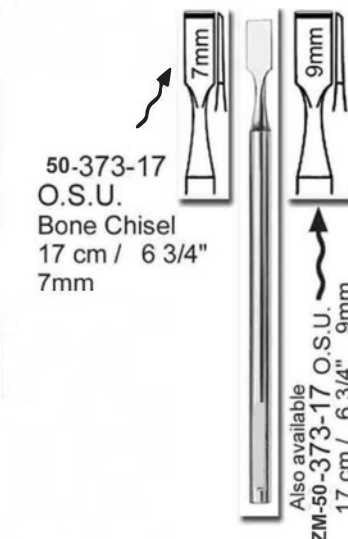
50-375-
Partsch Chisel /
13.5 cm / 5 1/4"
&
17 cm / 6 3/4" Fig A: 2mm
Fig B: 3mm
Fig C: 4mm
Fig D: 5mm
Fig E: 6mm



50-367-00
Partsch Gouge
13.5 cm / 5 1/4" &
17 cm / 6 3/4"

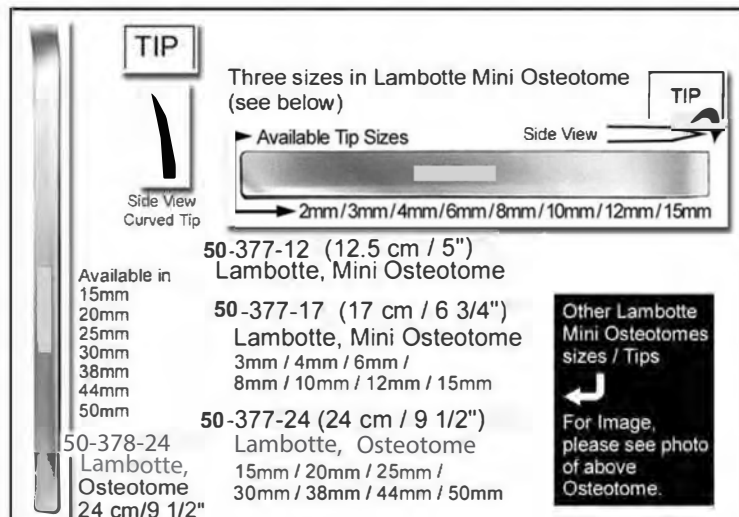


50-368-17
Alexander Gouge
17.5 cm / 7"



50-373-17
O.S.U.
Bone Chisel
17 cm / 6 3/4"
7mm

Also available
ZM-50-373-17 O.S.U.
17 cm / 6 3/4" 9mm



TIP

Side View
Curved Tip

Three sizes in Lambotte Mini Osteotome
(see below)

Available Tip Sizes

2mm / 3mm / 4mm / 6mm / 8mm / 10mm / 12mm / 15mm

Available in
15mm
20mm
25mm
30mm
38mm
44mm
50mm

50-378-24
Lambotte,
Osteotome
24 cm / 9 1/2"

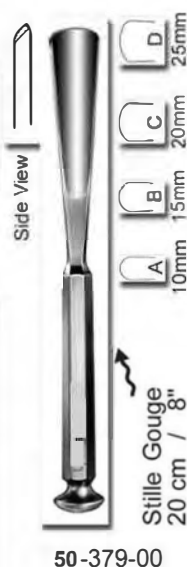
50-377-12 (12.5 cm / 5")
Lambotte, Mini Osteotome

50-377-17 (17 cm / 6 3/4")
Lambotte, Mini Osteotome
3mm / 4mm / 6mm /
8mm / 10mm / 12mm / 15mm

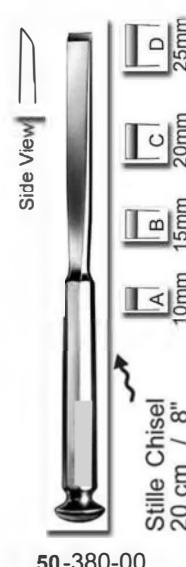
50-377-24 (24 cm / 9 1/2")
Lambotte, Osteotome
15mm / 20mm / 25mm /
30mm / 38mm / 44mm / 50mm

Other Lambotte
Mini Osteotomes
sizes / Tips

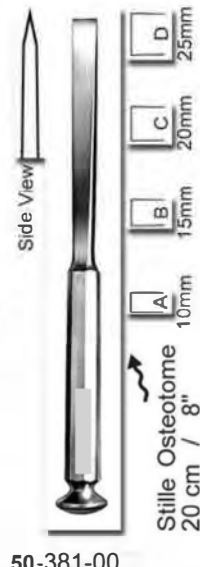
For Image,
please see photo
of above
Osteotome.



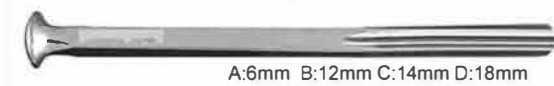
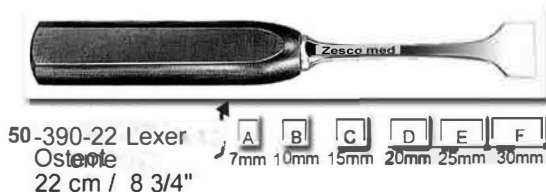
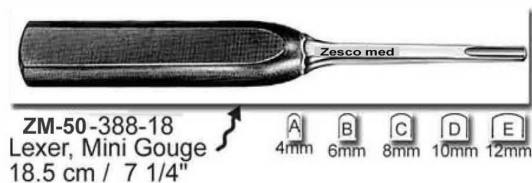
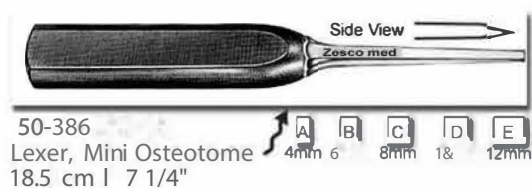
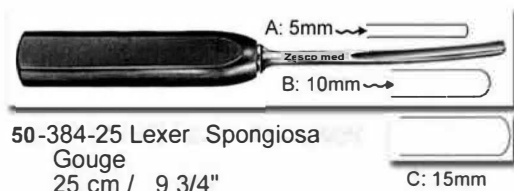
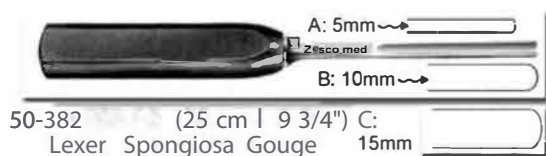
50-379-00
Stille Gouge
20 cm / 8"



50-380-00
Stille Chisel
20 cm / 8"



50-381-00
Stille Osteotome
20 cm / 8"



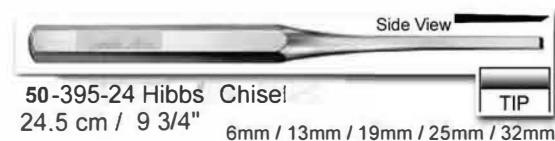
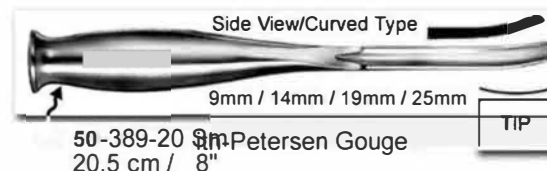
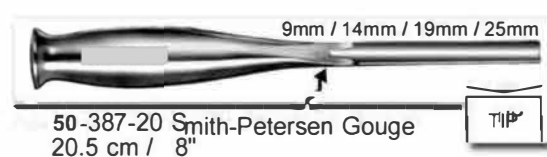
50-383-20 Smith Petersen Osteotome
20.5 cm/8"

Available Tips
6mm
9mm
13mm
16mm
19mm
25mm
32mm

TIP

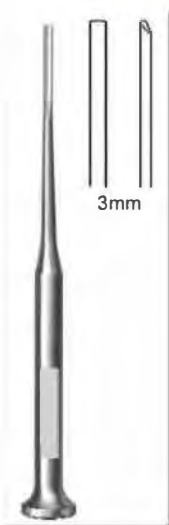


6mm / 9mm / 13mm / 16mm / 19mm / 25mm / 32mm

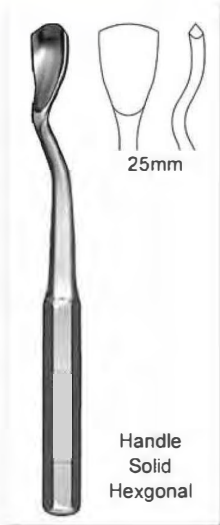


50-398-16 Sheehan Osteotome 16cm / 6 1/2"

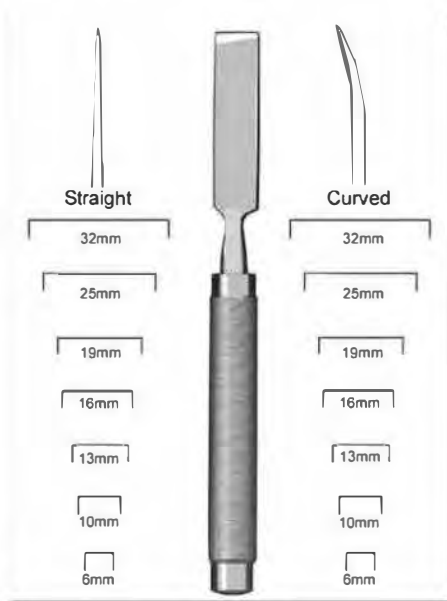




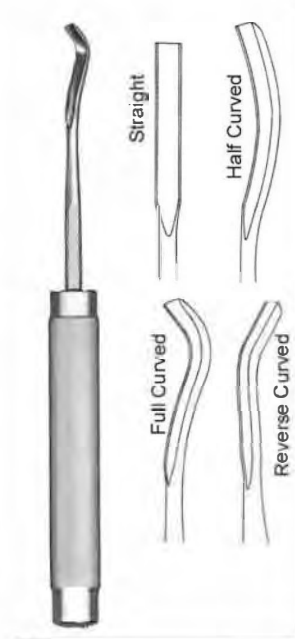
50-402-21
Shoulder Penetrating
Gouge 21cm/8 1/2"



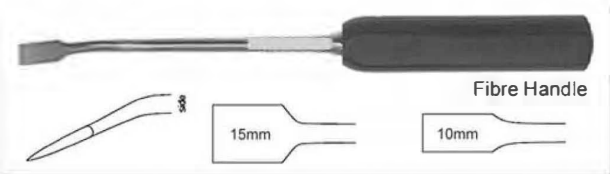
50-403-23
Swan Neck
Gouge 23cm/9"



50-404-00
Cobb Osteotome 28cm/11"



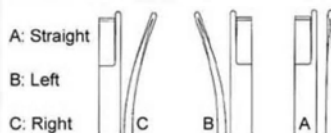
50-405-00
Cobb Gouge 28cm/11"



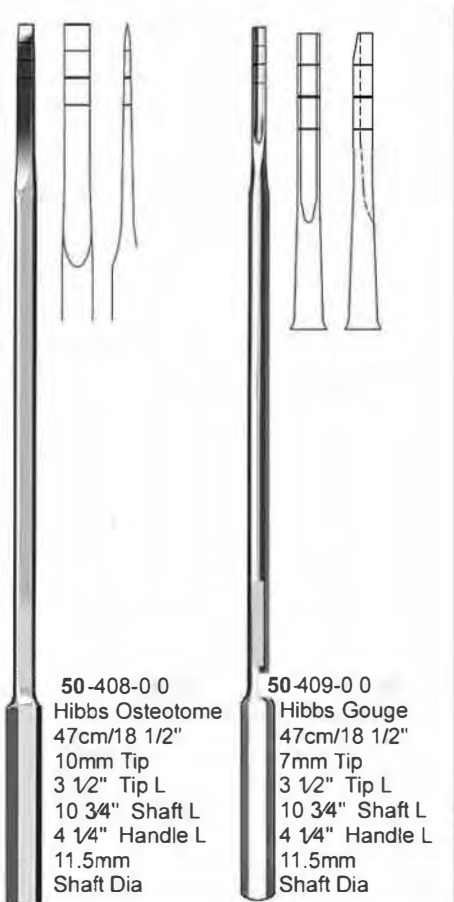
50-406-00 Lexer Osteotome Angled / 28cm/11"



50-407-00 Cinelli Osteotome 15.5 cm/6 1/2"



50-411-20
Anderson Neivert Osteotome
20cm/8"

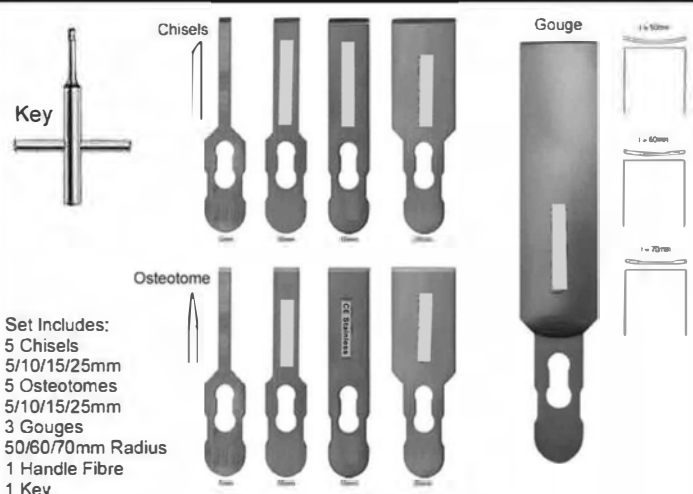


50-408-00
Hibbs Osteotome
47cm/18 1/2"
10mm Tip
3 1/2" Tip L
10 3/4" Shaft L
4 1/4" Handle L
11.5mm
Shaft Dia

50-409-00
Hibbs Gouge
47cm/18 1/2"
7mm Tip
3 1/2" Tip L
10 3/4" Shaft L
4 1/4" Handle L
11.5mm
Shaft Dia



50-410-24
Spinal Fusion
Gouge
24cm/9 1/2"
6mm Tip



50-412-18
Chisel Handle Fibre w/Chisel - Osteotome - Gouge Blades
18.5cm/7 1/4"

Bone Currettes



50-413-18 (18.5 cm / 7 1/4")
Volkmanr Bone Curette
oval with plastic handle



50-415-00 A/B/C
Volkmanr Bone Curette,
double-ended (oval / round).



50-418-21 Bone Curette,
double-ended (round / oval) 21 cm / 8 1/4"



50-420-17 Schede Bone Curette
17 cm / 6 3/4" oval with hollow handle



50-422-17 Volkmanr Bone Curette
cm / 6 3/4" oval, with hollow handle



M-50-424-17 Bruns Bone Curette
17 cm / 6 3/4" Round, with hollow handle



50-426-17
Spratt Bone Curette
17 cm / 6 3/4"
Oval, with hollow handle



50-428-13 A / B / C
Williger Bone Curette,
double-ended 13.5 cm / 5 1/4"



50-430-17 A / B / C Williger
Bone Curette, 17 cm / 6 3/4"
double-ended oval / oval



50-414-27 (27.5 cm / 10 3/4")
Volkmanr Bone Curette
oval with plastic handle



50-416-23 Bruns Bone Curette
23 cm / 9" oval, solid



50-417-25 A / B / C
Scoville Bone Curette
25 cm / 9 3/4"
oval, with hollow handle



50-419-25 Simon Bone Curette
25 cm / 9 3/4"
oval, with hollow handle



50-421-16 Modell USA
Bone Curette 16 cm / 6 1/4"
Oval, with hollow handle



50-423-15 Modell USA
Bone Curette 15.5 cm / 6 "
Oval, with hollow handle



50-425-15 Modell USA
Bone Curette 15.5 cm / 6 "
Oval, with hollow handle

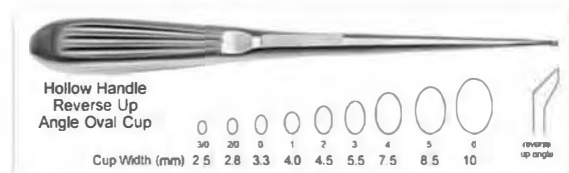
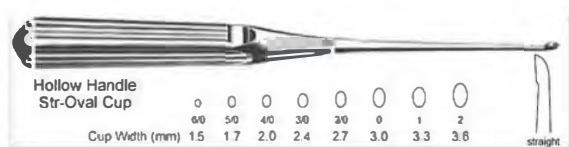
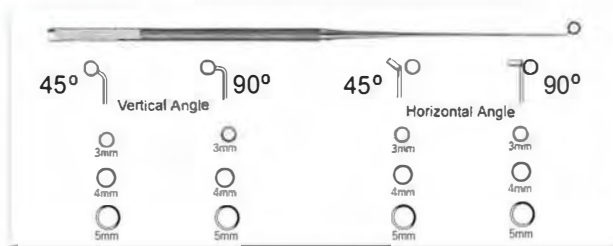
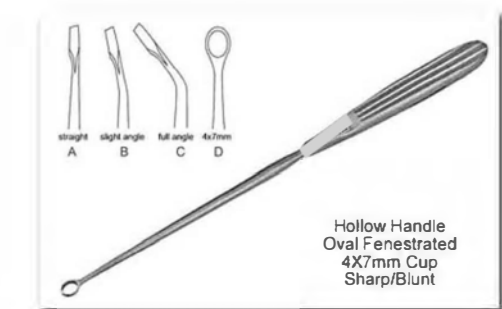
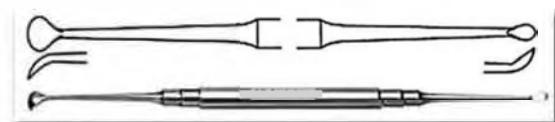
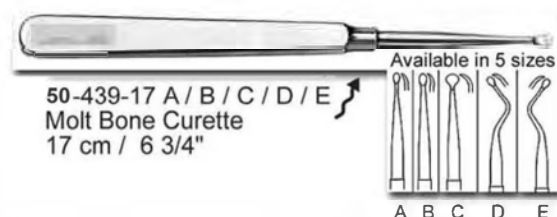
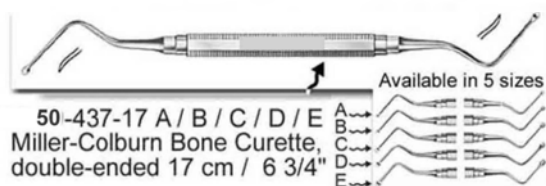
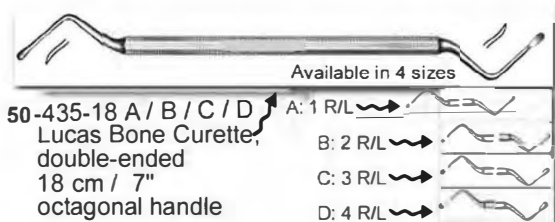
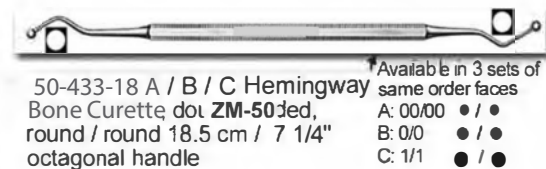
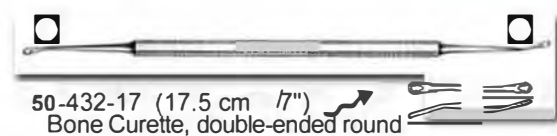


50-427-21 Halle Bone Curette
21 cm / 8 1/4" oval, malleable shaft,
with hollow handle

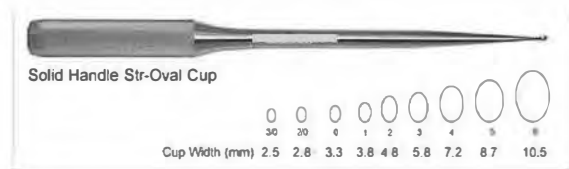


Available in 3 sizes
(Length)
A: 12.5 cm / 5"
B: 14.5 cm / 5 3/4"
C: 17 cm / 6 3/4"
Volkmanr
Bone Curette,
double-ended

Bone Curettes



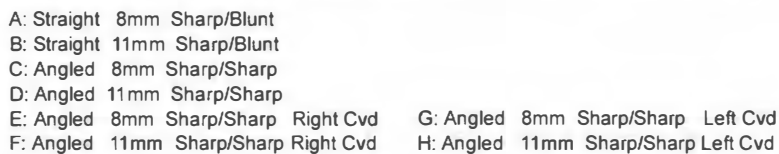
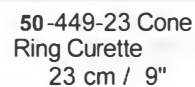
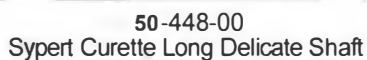
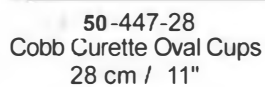
50-440-25 Bushe Curette 25 cm / 10"



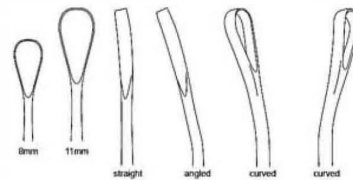
50-442-28 Spinal Fusion Curette 28 cm / 11"

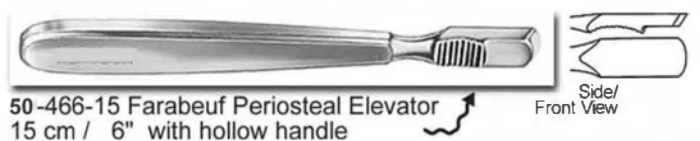
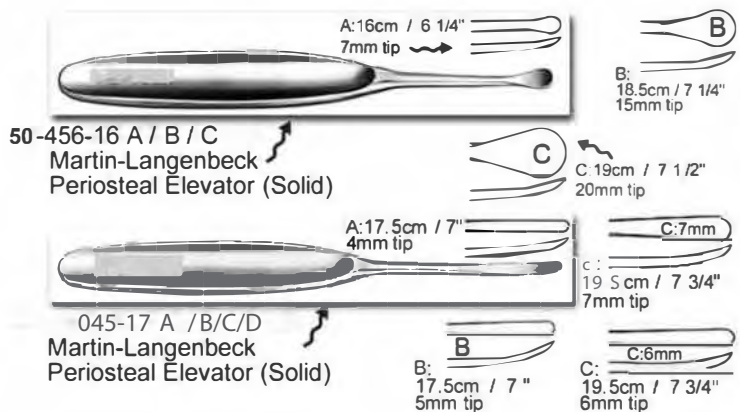
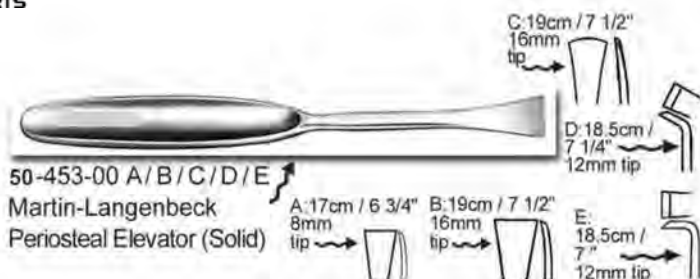


50-445-00 Ring Curette
A: 25 cm / 10" #0 6mm Cup
B: 25 cm / 10" #2 8mm Cup
C: 26 cm / 10 1/2" #6 14mm Cup
D: 28 cm / 11 1/2" #0 6mm Cup
E: 28 cm / 11 1/2" #2 8mm Cup
F: 30 cm / 12 1/2" #6 14mm Cup



50-450-00 Zielke Ring Curette 34 cm / 13 1/2" TEFLON Handle

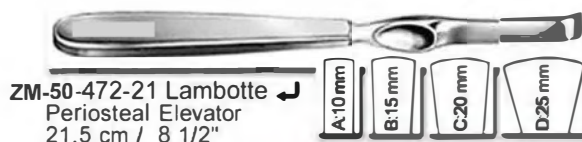
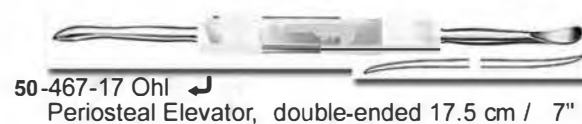
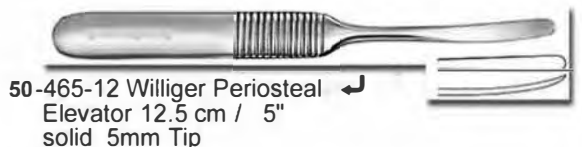


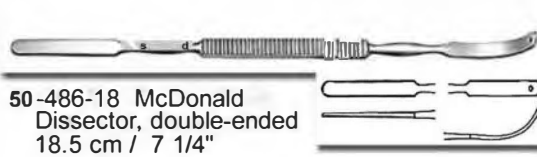
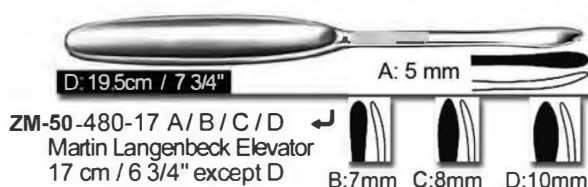
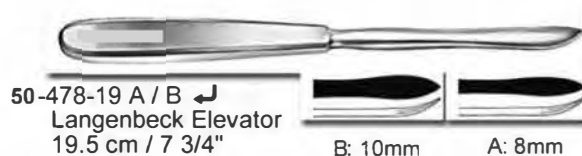
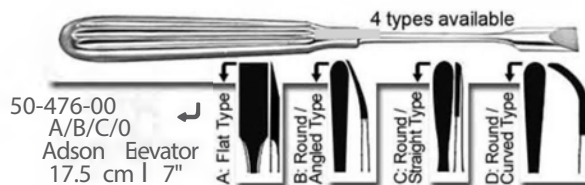
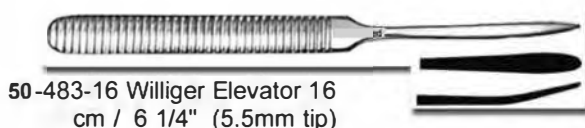
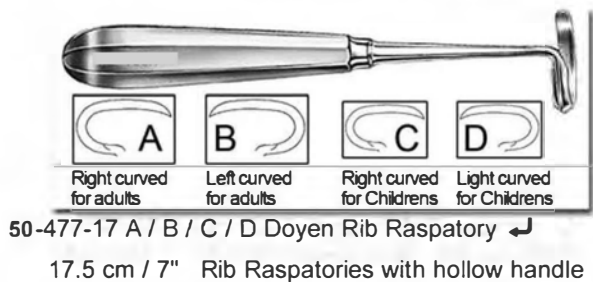


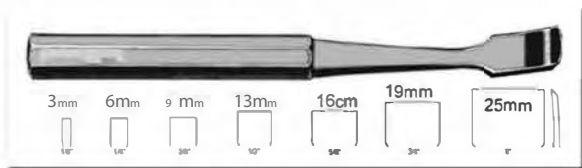
50454-15 Farabeuf Periosteal Elevator
15 cm / 6" with hollow handle



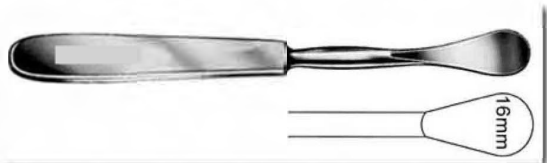
50-455-22 (15mm Tip) Sedillot
Periosteal Elevator 22 cm / 8 3/4"







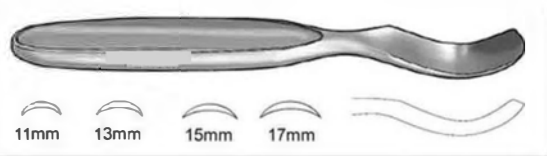
50-492-19 Key Elevator 19 cm / 7 1/2" Sharp Edge



50-494-18 Sedilot Elevator 18 cm / 7" Sharp Edge



ZM-50-496-20 Alexander
Periosteal Respiratory
20 cm / 8" / 12mm Sharp



50-498-16 McGlamry Metatarsal Elevator
16 cm / 6 1/2" Sharp



50-493-16 Sayre Elevator 16 cm / 6 1/2"
A: Sharp / Blunt B: Blunt/ Blunt



50-495-17 Kirmission Periosteal Respiratory 17 cm / 6 3/4"



50-497-17 Periosteal Elevator
17 cm / 6 3/4"
Fibre Handle 13mm Blade Sharp



50-499-19 Crego Periosteal Elevator
19 cm / 7 3/4" Sharp
A: 14mm Full Curves B: 14mm Slight Curves
C: 7mm Full Curves D: 7mm Slight Curves



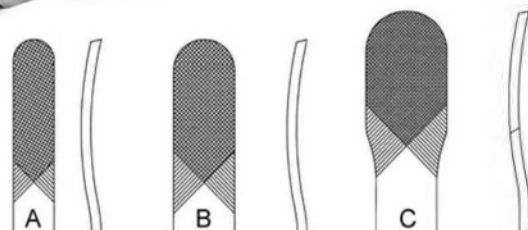
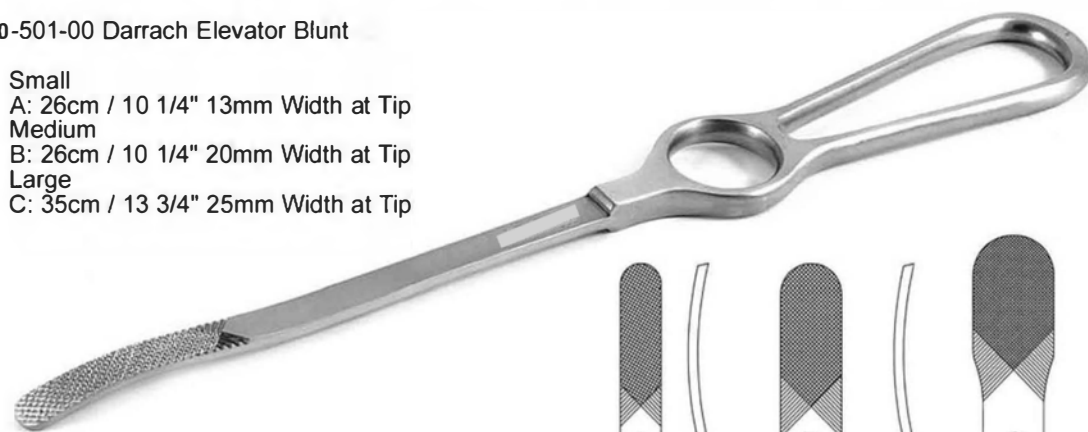
50-500-00 Chandler Elevator Blunt

A: 19cm / 7 1/2" 13mm B: 20cm / 8" 19mm
C: 23cm / 9" 25mm D: 25.5cm / 10" 30mm

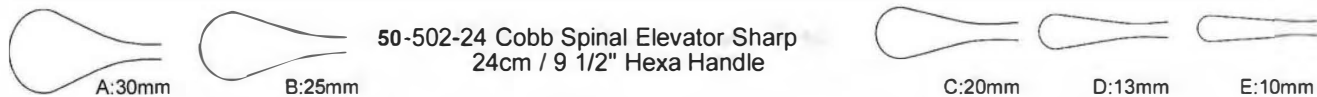


50-501-00 Darrach Elevator Blunt

Small
A: 26cm / 10 1/4" 13mm Width at Tip
Medium
B: 26cm / 10 1/4" 20mm Width at Tip
Large
C: 35cm / 13 3/4" 25mm Width at Tip



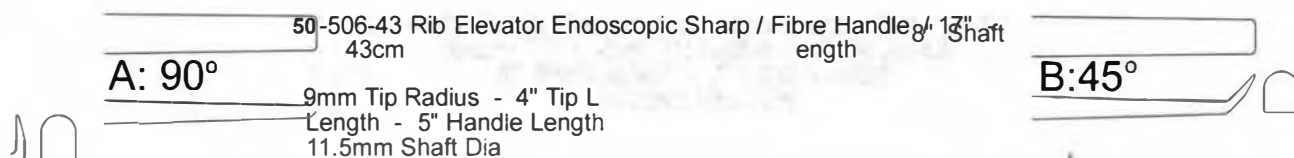
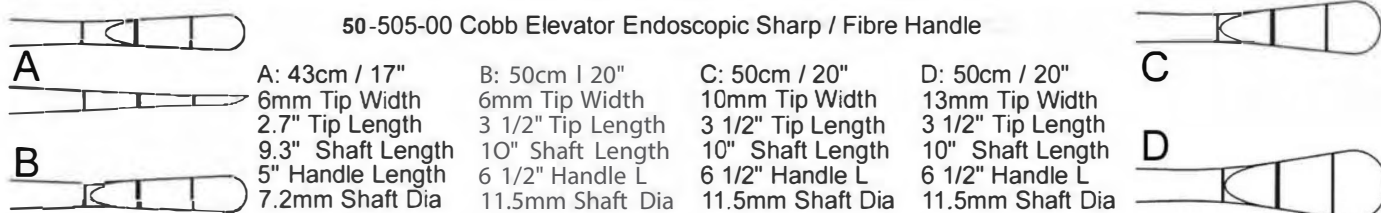
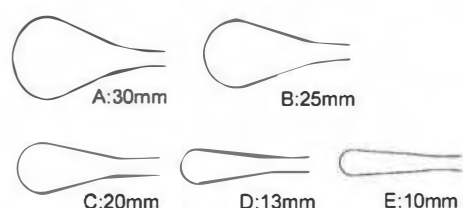
Elevators



Also Available
in Fibre Handle

with Same
Sizes
of Blades

-503-25
25cm / 10"



Bone Mallets

Note: Handle Shown In Dark Colors are Made of FIBRE Material

50-509-19 Lucae Mallet 19.5cm / 7 3/4"

Available in
2 sizes

19mm Ø / 230 gms
25mm Ø / 260 gms

50-510-19 Cottle Mallet Plane / Convex

19cm / 7 30mm Ø / 300 gms

1/2" 20mm Ø / 140 gms

50-512-16 Williger Mallet
16.4cm / 6 1/2"

50-514-26 Mallet 26 cm / 10 1/4"

30mm Ø / 510 gms

50-516-19 Mead Mallet
19 cm / 7 1/2"

27mm Ø / 320 gms
with interchangeable plastic disks

50-518-19 Partsch Mallet

22mm Ø / 200 gms

19 cm / 7 1/2" with hollow handle

50-520-26 Mallet 26 cm / 10 1/4"
with lead filling

Also available without
lead filling

42mm Ø / 400 gms

ZM-50-521-26 Mallet
26 cm / 10 1/4"

without lead filling 42mm Ø / 400 gms

50-523-24 Williger Mallet

24 cm / 9 1/2" lead filled

Available Head Sizes & Approximate Weight
26mm Ø / 300 gms 28mm Ø / 340 gms
30mm Ø / 400 gms

50-508-26 Mallet 30mm Ø / 675 gms
26.5 cm / 10 1/2"

plane (Teflon) / convex (steel)

50-511-26 Mallet 26 cm / 10 1/4"

42 / 30mm Ø / 530 gms

50-513-24 Mallet 24 cm / 9 1/2"

30mm Ø / 480 gms

50-515-24 Mallet 24 cm / 9 1/2"
Disks and handle of

37mm Ø / 370 gms

Spare facings (Pair)

50-517-22

30mm Ø / 125 gms

Mallet 22 cm / 8 3/4"

50-519-26 Mallet 26.5 cm / 10 1/2"

30mm Ø / 450 gms

50-522-00 A/B/C Doyen Mallet

Available Length / Head Sizes & Approximate Weight

A: 20.5cm / 8" 25mm Ø / 120 gms
B: 21cm / 8 1/4" 30mm Ø / 180 gms
C: 21.5cm / 8 1/2" 35mm Ø / 260 gms

50-524-19 Herbert Mallet
19 cm / 7 1/2"

for ulnar head
prosthesis



ZM-50-527-19 Vickers Mallet
19 cm / 7 1/2"

25mm Ø / 300 gms

Teflon disks

**Note: Handle Shown In Dark Colors
are Made of FIBRE Material**



50-528-20
Kirk Mallet 20cm / 8"
Head Dia 38mm/Weight: 1 lb. 4 oz. (570 grams)



Head Weight: 7 oz (200 grams)

50-529-19 Gerzog Mallet 19cm / 7 1/2"
Head Dia 25mm/Weight 10 oz (285 grams)



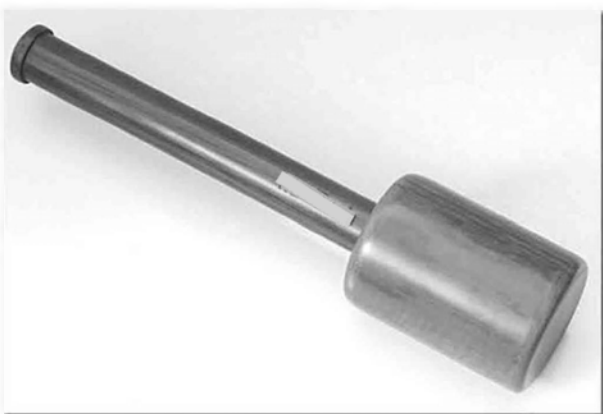
Head Weight: 20 oz (567 grams)

50-530-19 Heath Mallet
19cm / 7 1/2"
Head Dia 40mm/Weight 2 lbs. (907gm)

Head Weight: 20 oz (567 grams)



50-533-18 Heath Mallet, SS
18cm / 7" Solid Frame Handle
Head Dia 40mm/Weight 36 oz. (1020gm)



50-536-24 All Fibre Mallet 24cm / 9 1/2"
Head Dia 80X60mm Weight 14oz. (397gm)



Fibre Handle

50-531-19
Cloward Mallet
19cm / 7 1/2"
Head Dia 20mm
Weight 8oz. (227gm)



50-532-20
Hajek Mallet
20cm / 8"
Head Dia 27mm
Weight 7oz. (198gm)



Fibre Handle

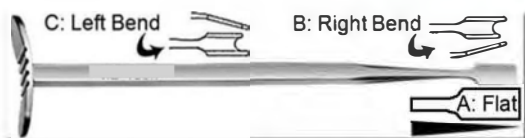
50-534-20 Narrow Tip Mallet 20cm / 8"
Head Dia 7mm Weight 6oz. (170gm)



50-535-23 Fibre Handle Mallet 23cm / 9"
Head Dia 30mm/Weight 12 oz. (340gm)
Also Available in:
Head Dia 35mm/Weight 1lb 40 oz. (570gm)
Head Dia 40mm/Weight 1lb 90 oz. (708gm)



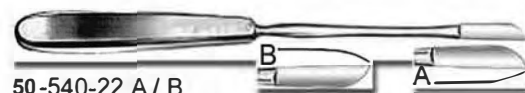
50-537-28 He-Man Mallet 28cm / 11"
Head Dia 38mm / 24mm
Weight 2lb (906gm)



50-538-18 Smillie Meniscus Knife 18 cm / 7"



50-539-18 Meniscus Knife 18 cm / 7"



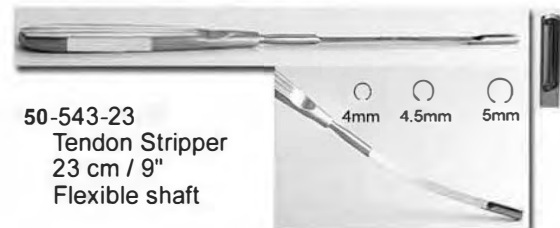
50-540-22 A / B
Neff Meniscus Knife 22 cm / 8 3/4"



50-541-21 A / B Salenius Meniscus Knife
21 cm / 8 1/4" A : Right / B: Left



50-542-15 Bunnell Tendon Stripper 15 cm / 6"
3 mm 4mm 5mm 6mm 1mm



50-543-23
Tendon Stripper
23 cm / 9"
Flexible shaft



50-544-33 Tendon Passing
Instrument 33.5 cm / 13 1/4"



50-545-31 Fischer Tendon
Stripper 31 cm / 12 1/4" Blunt



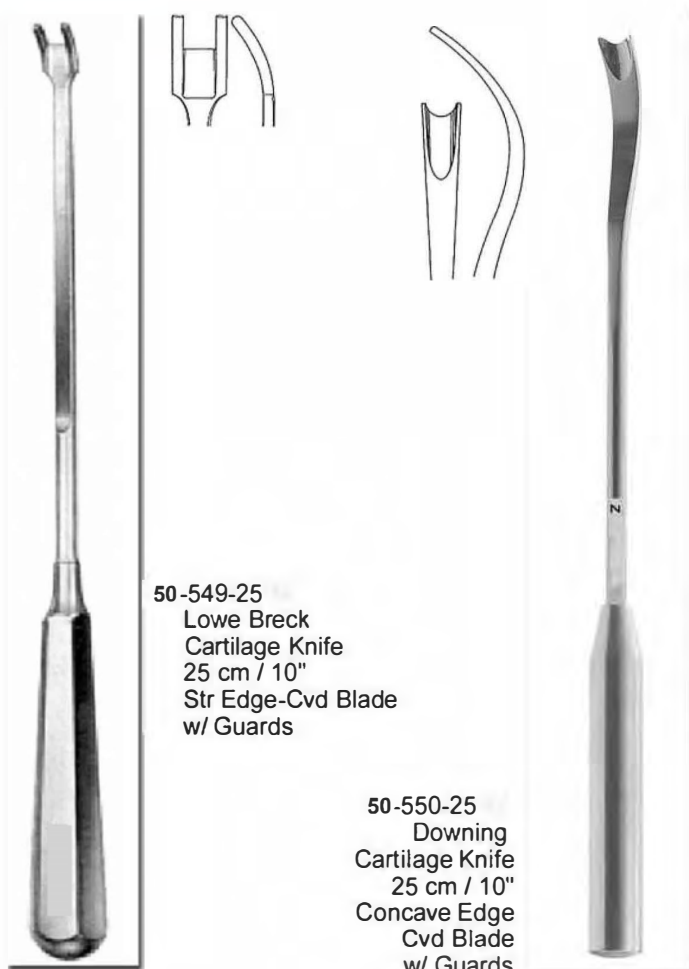
50-546-28 Tendon Stripper 3 / 4 / 5 / 6mm
A: 28.5 cm / 11 1/4" B: 60 cm / 24"



50-547-23 Bunnell Tendon
Passer 23 cm / 9" Malleable



50-548-40 Tendon Stripper 40 cm / 16"
Fibre Handle

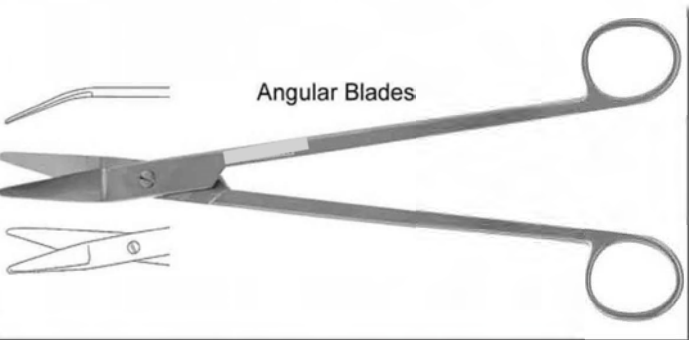


50-549-25
Lowe Breck
Cartilage Knife
25 cm / 10"
Str Edge-Cvd Blade
w/ Guards

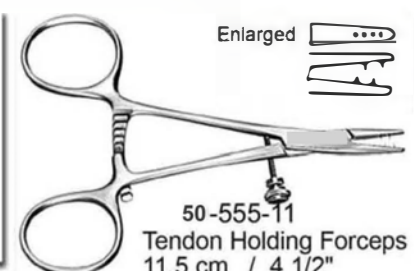
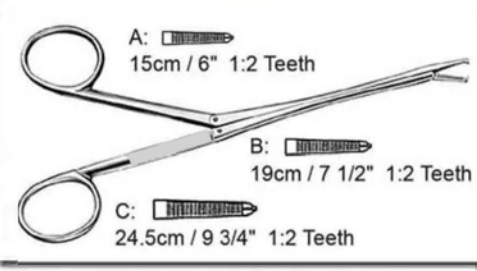
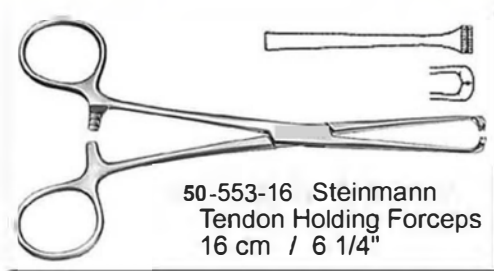
50-550-25
Downing
Cartilage Knife
25 cm / 10"
Concave Edge
Cvd Blade
w/ Guards



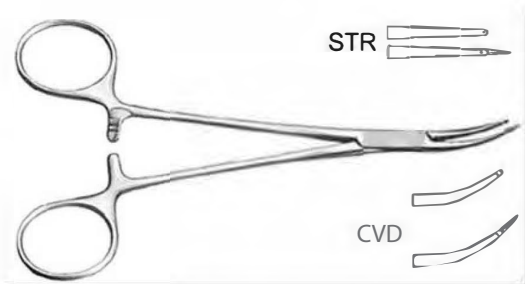
50-551-20 Martin Cartilage Scissors 20cm / 8"



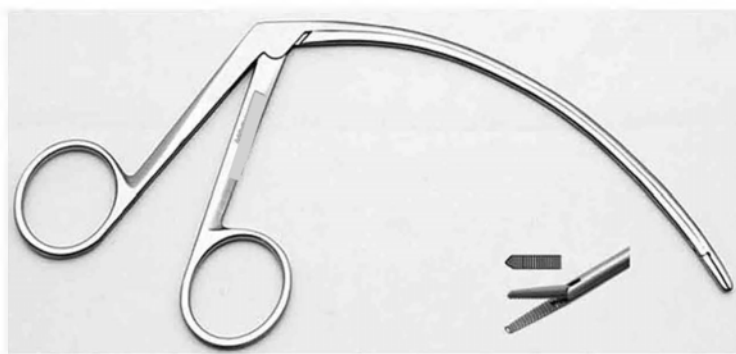
50-552-24 Mueller Capsule Scissors 24cm / 9 1/2"



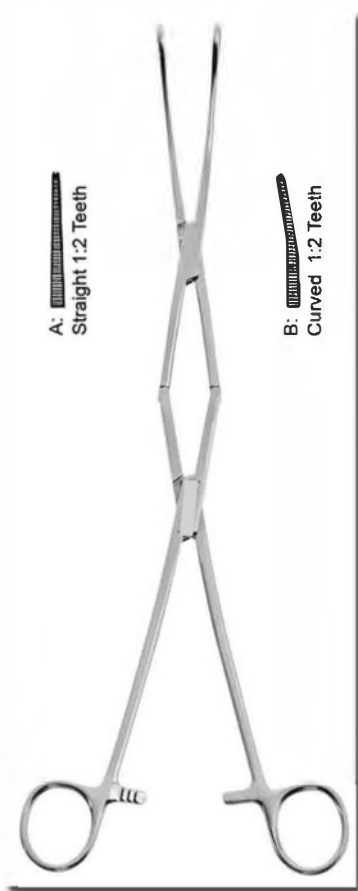
50-554-00 A / B / C
Brand Tendon Tunnelling Forceps



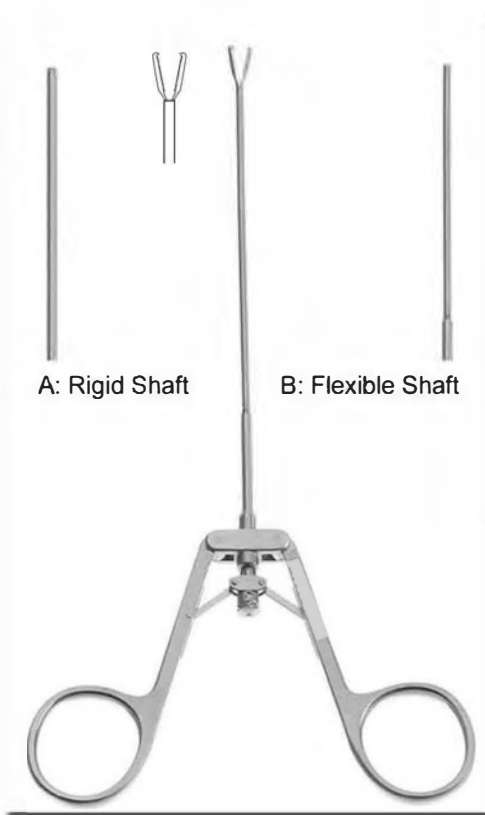
50-556 Tendon Interlacing Forceps
15.5 cm / 6" Pointed



50-557-11
Carroll Tendon Holding Forceps 11.5 cm | 4 1/2"



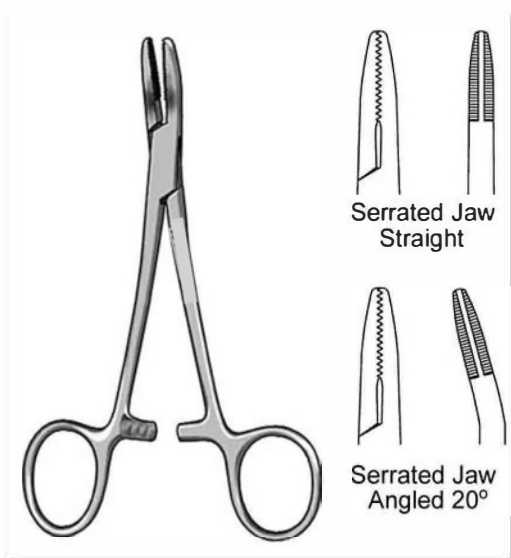
50-558
Hallman Tendon Tunnelling Forceps
21 cm | 8 1/4"



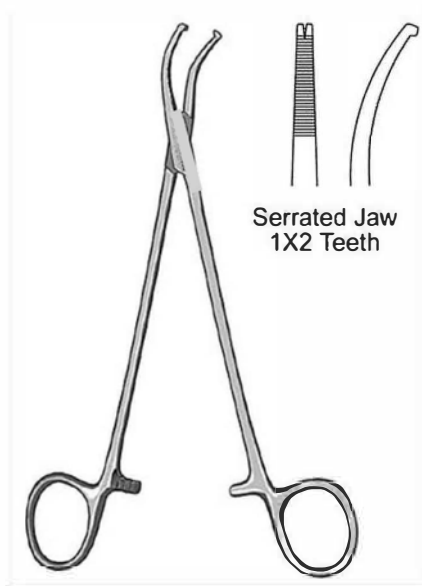
50-559
Kleinert-Kutz Tendon Holding Forceps
21 cm | 8 1/4" 1X2 teeth



50-560-14
Hoen Grasping Forceps
14 cm | 5 1/2" (Shaft)
1X2 teeth



50-561-13
Meniscus Clamp
13.5 cm / 5 3/8" 1X2 teeth



50-562-18
Preston Ligamentum Flavum Forceps
(Meniscus) 18.5 cm / 7 1/4"

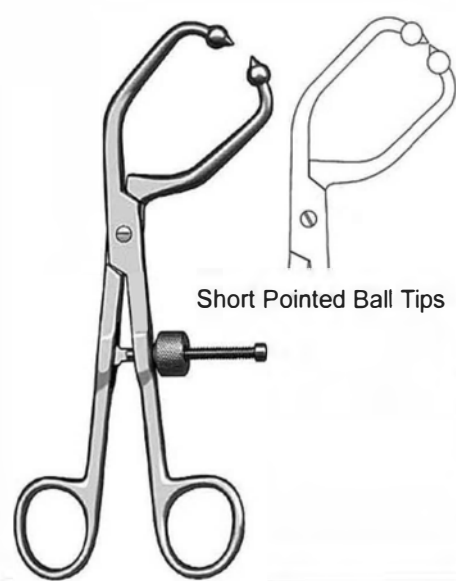


Straight

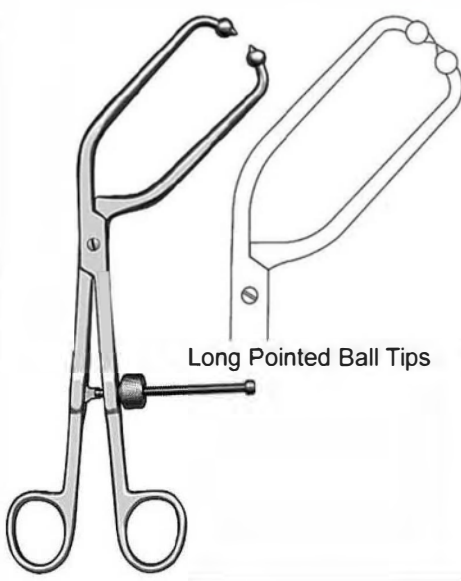


Angled

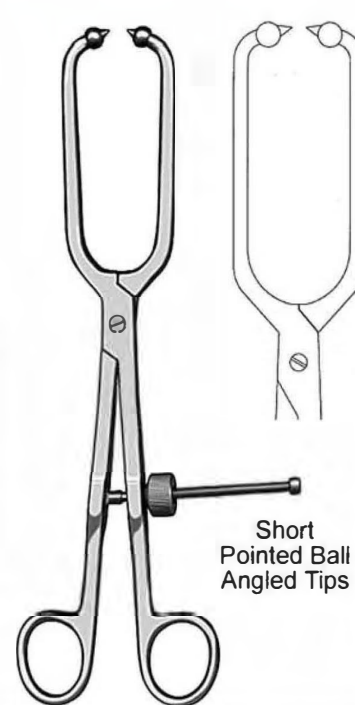
50-563-21
Ortho Grasper 21 cm / 8 1/2"
7 X 20 MM Bite



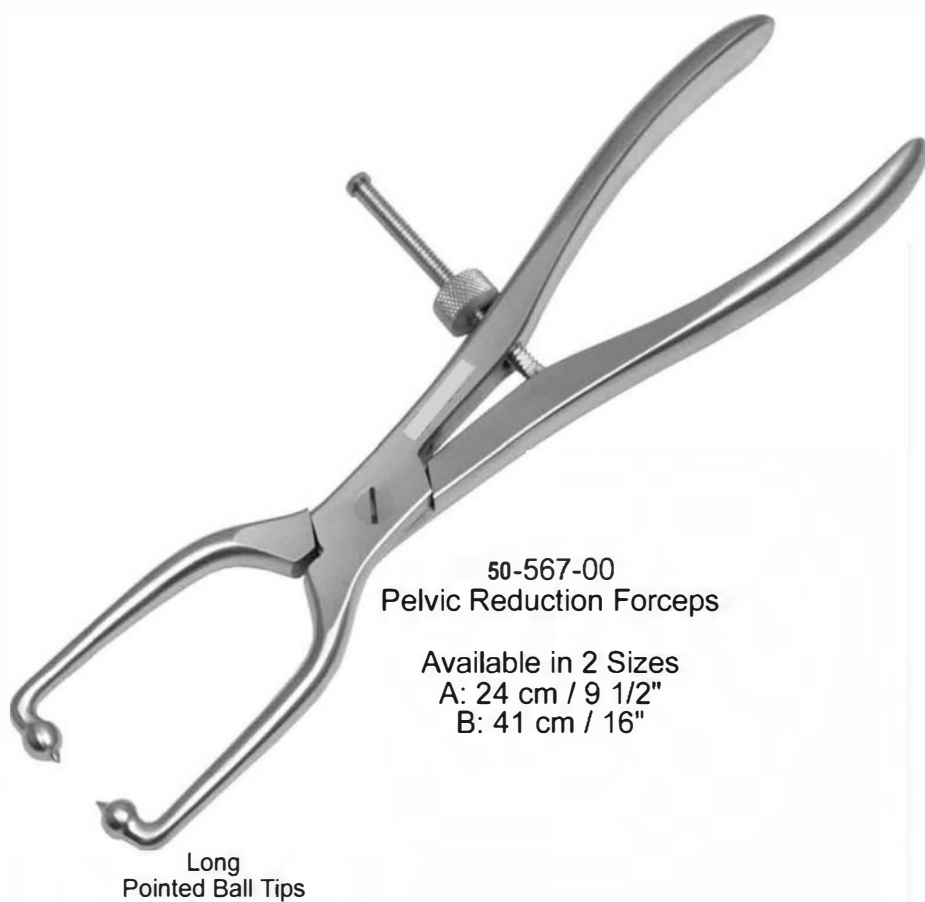
50-564-19 Pelvic Reduction Forceps
19 cm / 7 3/8" Angular



50-565-24 Pelvic Reduction Forceps
24.5 cm / 9 5/8" Angular

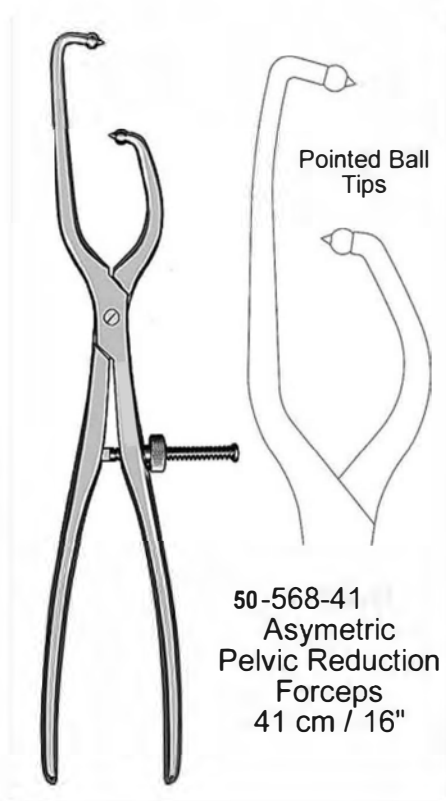


50-566-25
Pelvic Reduction Forceps
25 cm / 10"

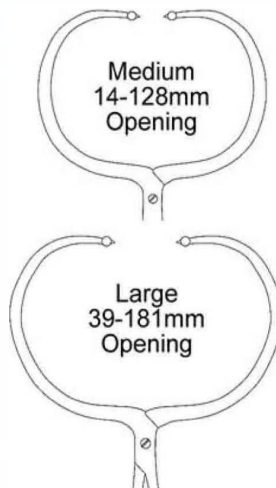
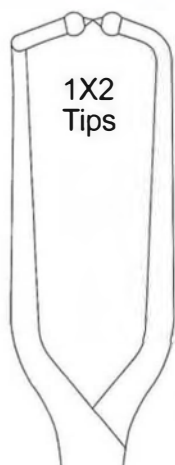


50-567-00
Pelvic Reduction Forceps

Available in 2 Sizes
A: 24 cm / 9 1/2"
B: 41 cm / 16"



50-568-41
Asymetric
Pelvic Reduction
Forceps
41 cm / 16"



50-570-38
Periarticular
Reduction Forceps
Straight
Pointed Ball Tips
38 cm/15"

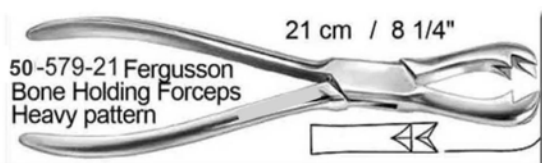
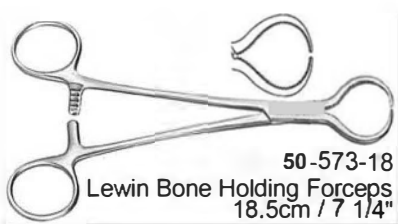
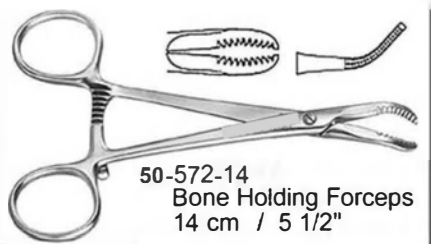


50-569-41
Pelvic Reduction Forceps
Long 1X2
Pointed Ball Tips
41 cm / 16"

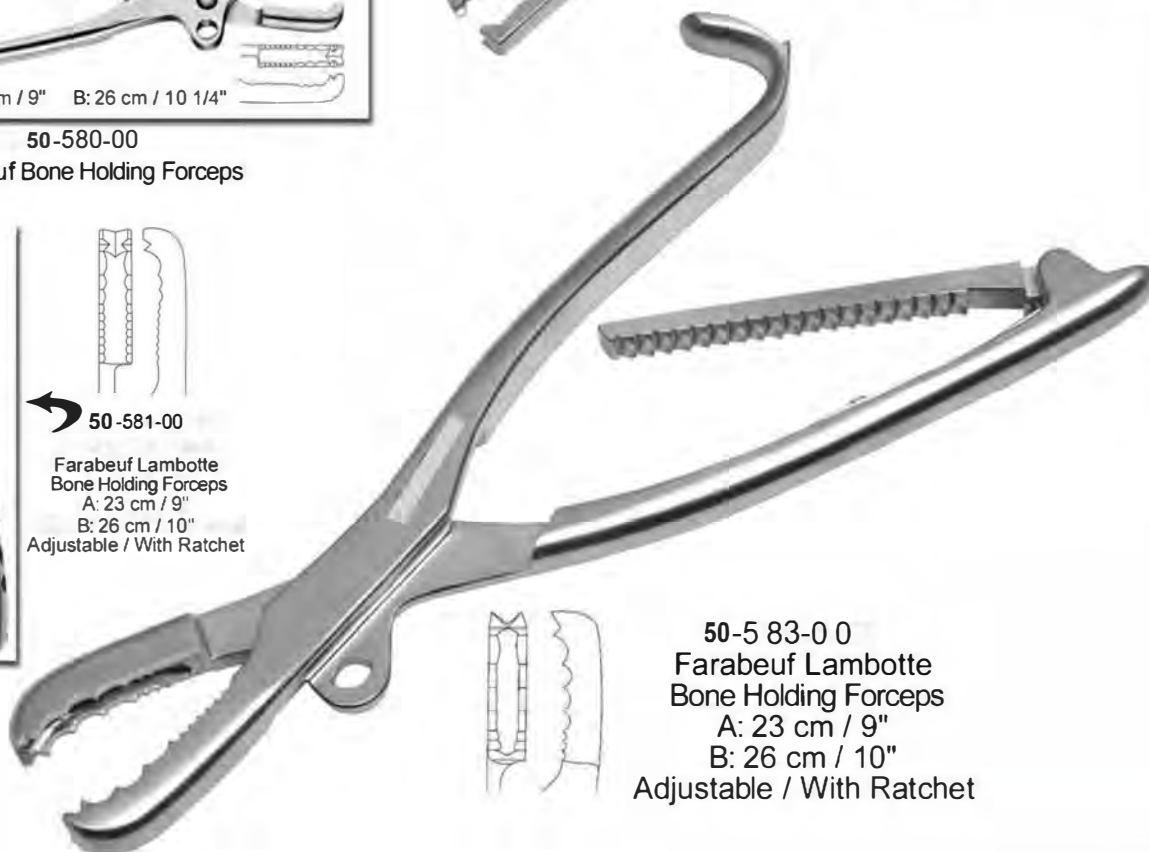
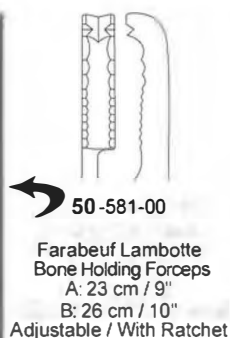


50-571-00
Pelvic
Reduction Forceps
Adjustable Jaws for Screws
A: 25 cm / 10"
B: 33 cm / 13"

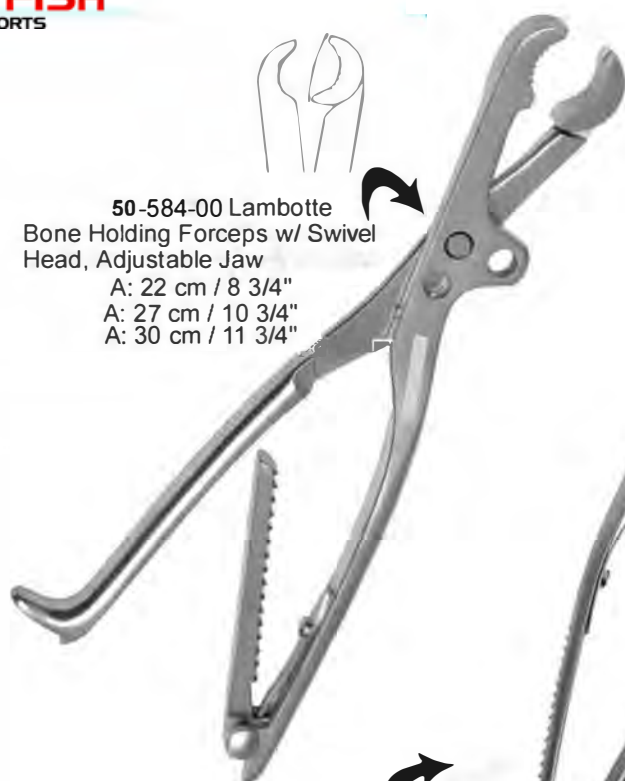
Bone Holding Forceps



50-580-00
Farabeuf Bone Holding Forceps

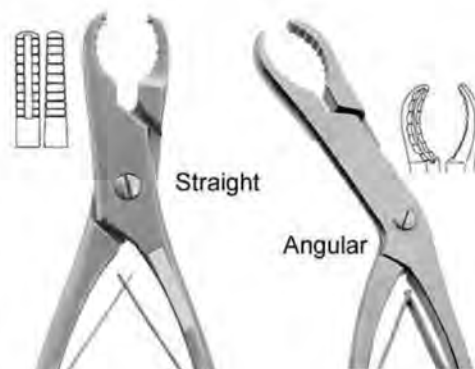


Bone Holding Forceps



50-584-00 Lambotte
Bone Holding Forceps w/ Swivel
Head, Adjustable Jaw
A: 22 cm / 8 3/4"
A: 27 cm / 10 3/4"
A: 30 cm / 11 3/4"

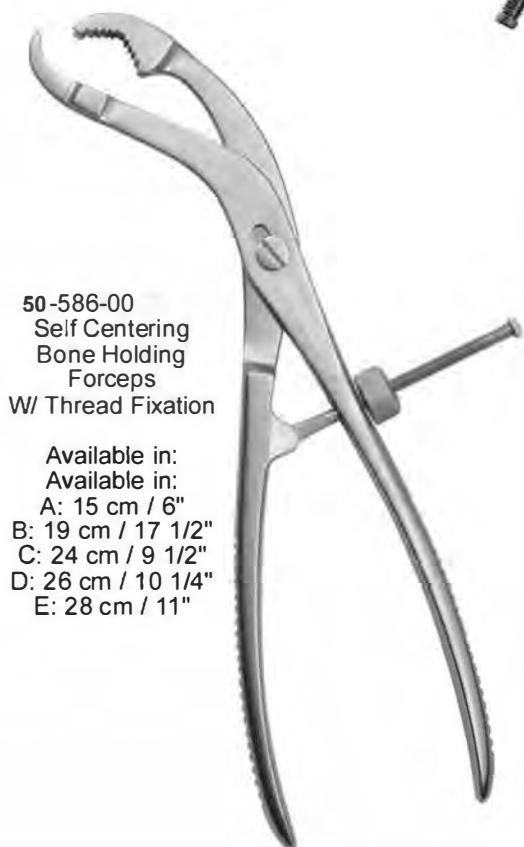
50-585-19 Ulrich
Bone Holding Forceps
w/ Thread Fixation
19 cm / 7 1/4"



Straight

Angular

50-587-00
Ulrich
Bone Holding
Forceps
w/ Thread Fixation
A: 23 cm / 9"
A: 25 cm / 9 3/4"
A: 28 cm / 11"



50-586-00
Self Centering
Bone Holding
Forceps
W/ Thread Fixation

Available in:
Available in:
A: 15 cm / 6"
B: 19 cm / 17 1/2"
C: 24 cm / 9 1/2"
D: 26 cm / 10 1/4"
E: 28 cm / 11"



50-588-00
Hey Groves
Bone Holding Forceps
A: 20 cm / 8"
B: 25 cm / 10"
C: 30 cm / 12"



50-588-00A
Lane Bone Holding Forceps
w/ Ratchet
A: 33 cm / 13"
B: 45 cm / 17 3/4"

50-588-00B
without
Ratchet

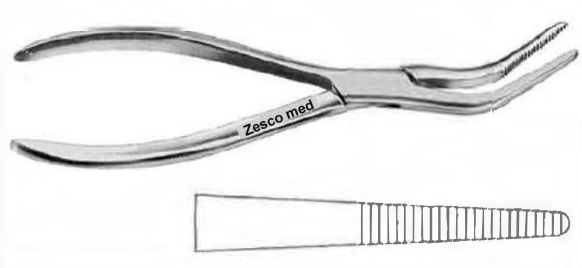


Enlarged Tip
of 25cm Shown

50-589-00
Verbrugge
Bone Holding Forceps
A: 17.5 cm / 7"
B: 25 cm / 9 3/4"
C: 26 cm / 10 1/4"
D: 27 cm / 10 3/4"



50-590-23
Smooth Jaws
Bone Holding Forceps
23 cm / 9"



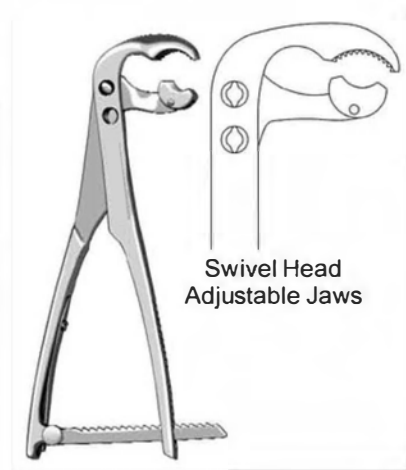
50-591-21
Van Buren Bone Holding Forceps 21.5 cm / 8 1/2"

A:
17cm
6 3/4"
0.9mm

B:
13cm
5 1/4"
1.6mm



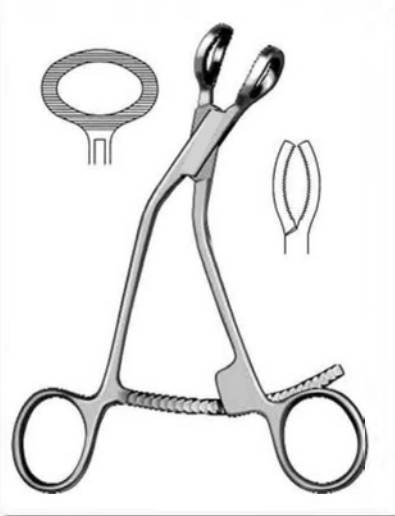
50-592-00
Bone Holding Forceps



50-593-23
Angled Bone Holding Forceps
23 cm / 9"



50-594-23
Bishop Bone Holding Forceps
23 cm / 9"



50-595-23
Bishop Bone Holding Forceps
23 cm / 9"

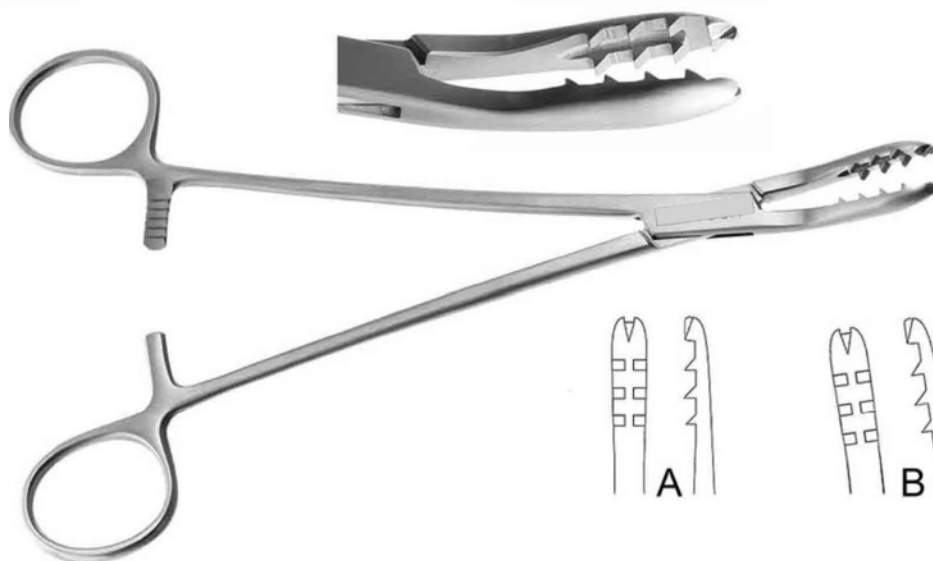


1X2 Prong

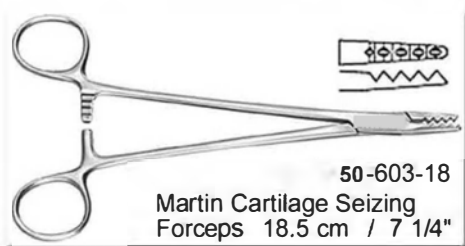
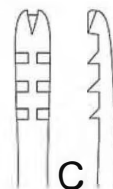
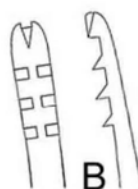
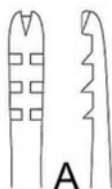


2X2 Prong

50-596-18
Patella Forceps
18 cm / 7"



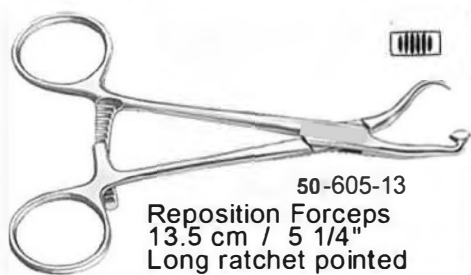
50-602-00
Walton
Cartilage Seizing Forceps
20.5 cm / 8"
A: Straight
B: Upward Cvd
C: Sideward Cvd



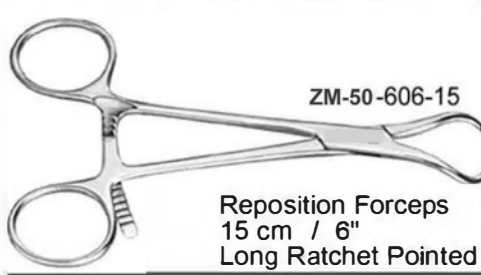
50-603-18
Martin Cartilage Seizing
Forceps 18.5 cm / 7 1/4"



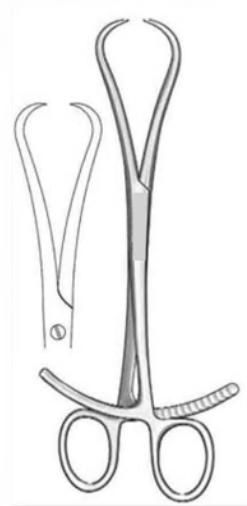
50-604-18
Dingmann Cartilage Seizing
Forceps 18.5 cm / 7 1/4"



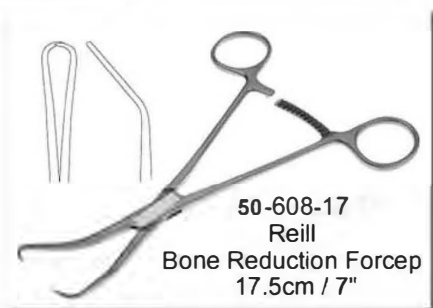
50-605-13
Reposition Forceps
13.5 cm / 5 1/4"
Long ratchet pointed



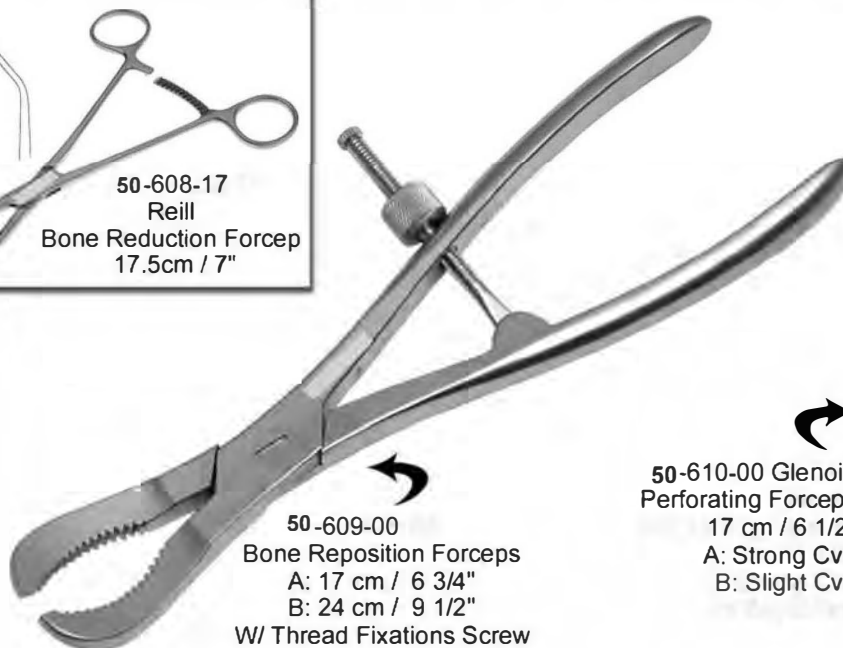
ZM-50-606-15
Reposition Forceps
15 cm / 6"
Long Ratchet Pointed



50-607-20
Walton Bone
Reduction Forceps
20.5 cm / 8"
2" Double Ratchet
Opening 9-100mm

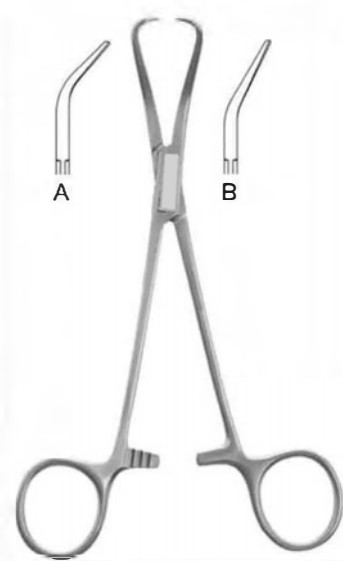


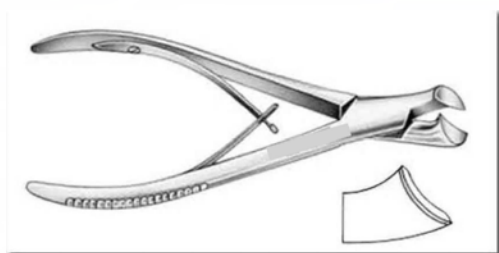
50-608-17
Reill
Bone Reduction Forcep
17.5cm / 7"



50-609-00
Bone Reposition Forceps
A: 17 cm / 6 3/4"
B: 24 cm / 9 1/2"
W/ Thread Fixations Screw

50-610-00 Glenoid
Perforating Forceps
17 cm / 6 1/2"
A: Strong Cvd
B: Slight Cvd

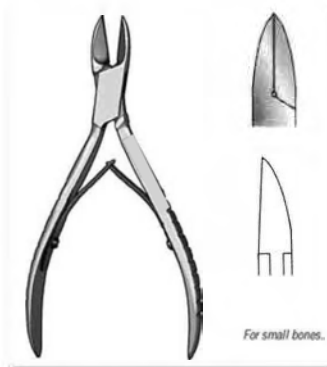




50-611-00
Marwalder Bone Nipper 18.5 cm / 7 1/4"



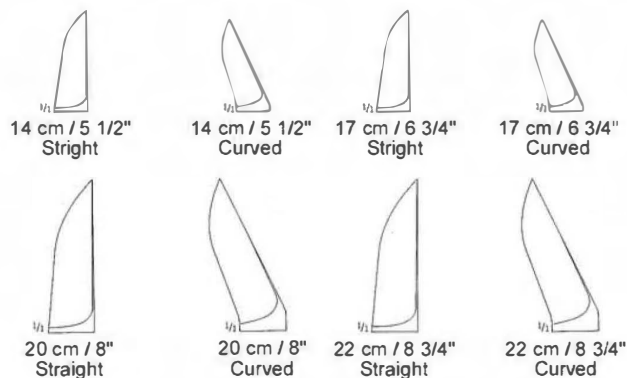
50-612-00
Cottle Kazanjian Bone Cutting Forceps
18.5 cm / 7 1/4"



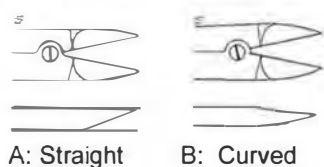
50-613-00
Littauer Bone Cutting Forceps
15 cm / 6"



50-614-00
Liston Bone Cutting Forceps



50-615-00
Cleveland Bone Cutting Forceps
A: 14.5 cm / 5 3/4"
B: 17 cm / 6 3/4"



50-616-14
Kleinert-Kutz / Böhler Bone Cutting
Forceps 14.5 cm / 5 3/4"





ZM-50-621-18
Mc Indoe
Bone Cutting Forceps
18 cm / 7"
Delicate Blades



ZM-50-622-25
Stille-Horsley / Liston Key
Bone Cutting Forceps
25.5 cm / 10"

45° Angled

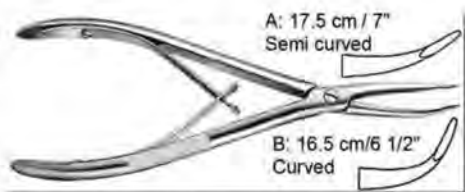


90° Angled

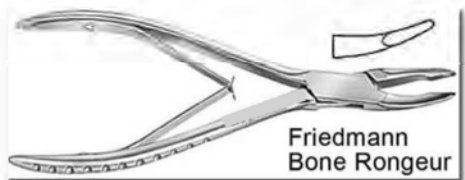
Angled On Side

50-623-24
Bone
Cutting Forceps
24.5
cm / 9 3/4"

Bone Rongeurs - Nibblers



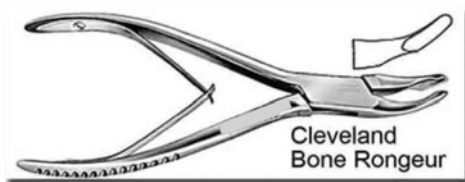
ZM-50-624-00 Stellbrink Bone Rongeur



50-625-00 A: 12.5cm / 5"
B: 13.5cm / 5 1/4"



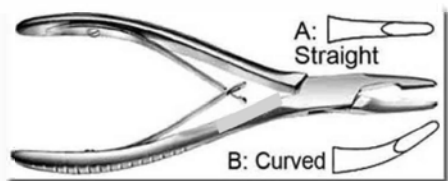
50-626-13 13.5 cm / 5 1/4"



50-627-00
A: 13.5 cm / 5 1/4" B 16.5 cm / 6 1/2"



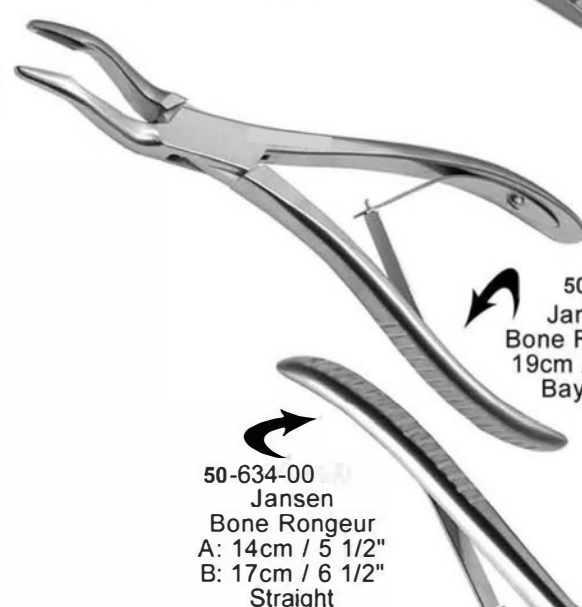
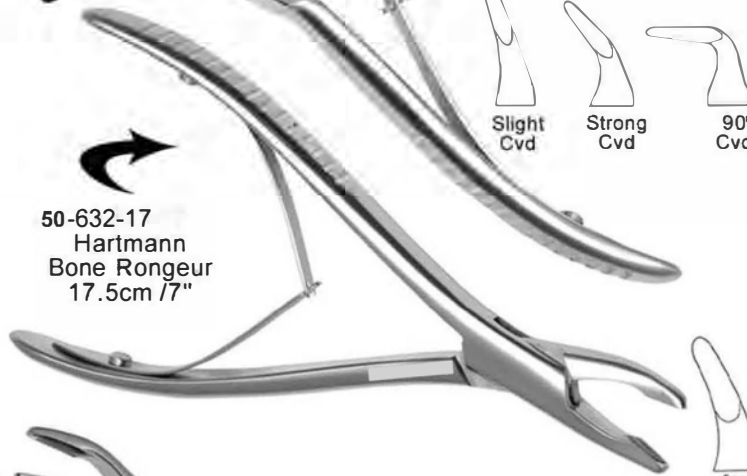
50-628-16 Mead Bone Rongeur
16.5 cm / 6 1/2"



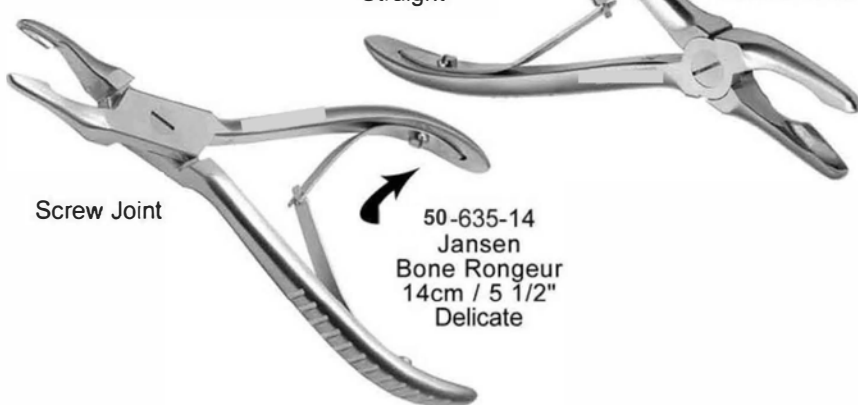
50-629-18 Jansen
Bone Rongeur 18 cm / 7"



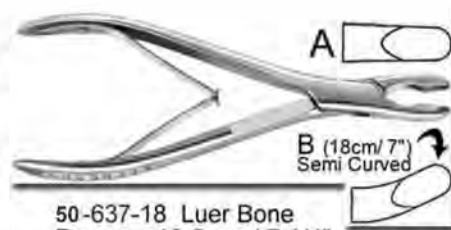
50-630-19 Lempert Bone Rongeur
19 cm / 7 1/2"



50-633-19
Jansen
Bone Rongeur
19cm / 7 1/2"
Bayonet



50-636-14 Luer
Bone Rongeur 14.5 cm / 5 3/4"



50-637-18 Luer Bone
Rongeur 18.5 cm / 7 1/4"



50-638-15 Böhler Bone Rongeur
15.5 cm / 6"



50-639-18 Beyer Bone Rongeur
18 cm / 7"



50-640-18 Zaufal-Jansen
Bone Rongeur 18 cm / 7"



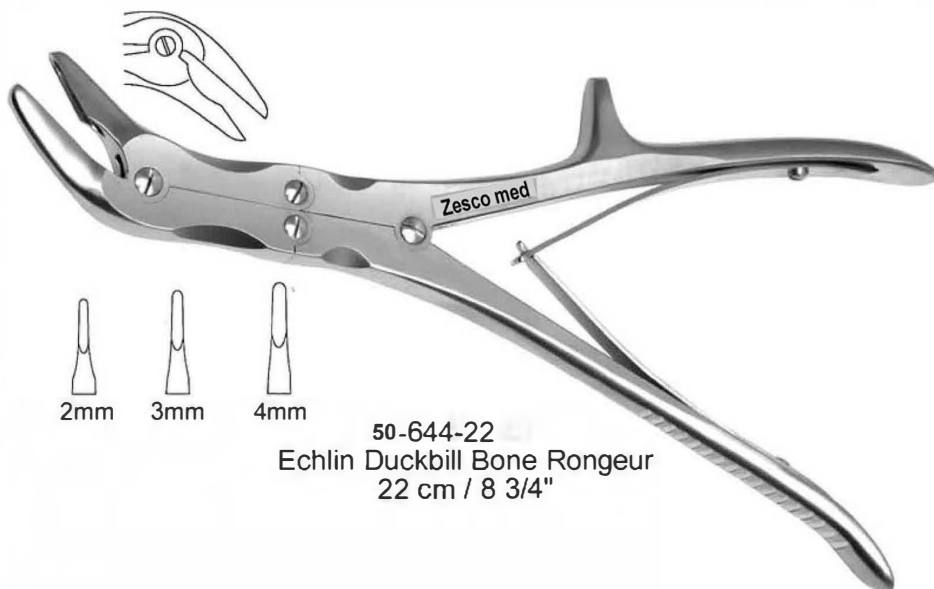
50-641-18 Mayfield
Bone Rongeur
18 cm / 7"



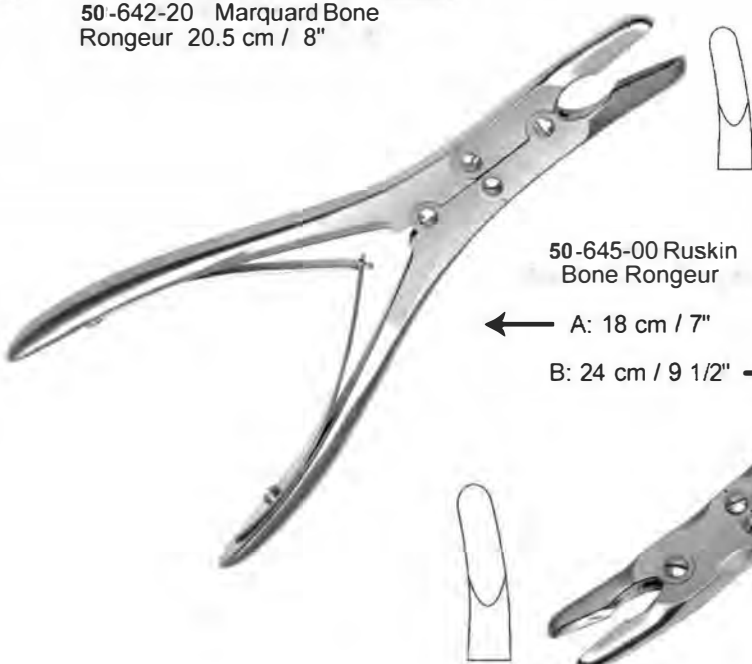
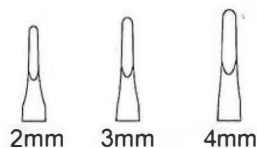
50-642-20 Marquard Bone
Rongeur 20.5 cm / 8"



50-643-22
Stille Bone Rongeur
22.5 cm / 8 3/4"

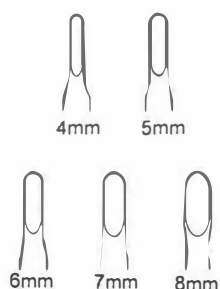


50-644-22
Echlin Duckbill Bone Rongeur
22 cm / 8 3/4"

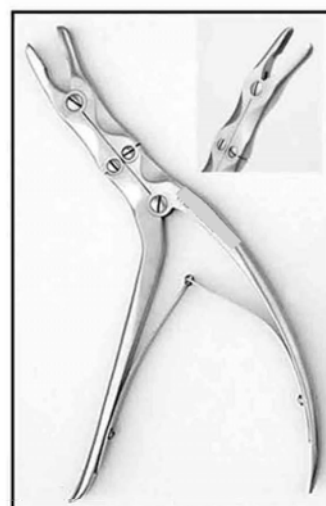


50-645-00 Ruskin
Bone Rongeur

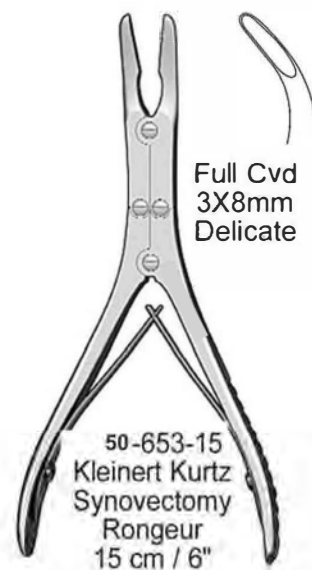
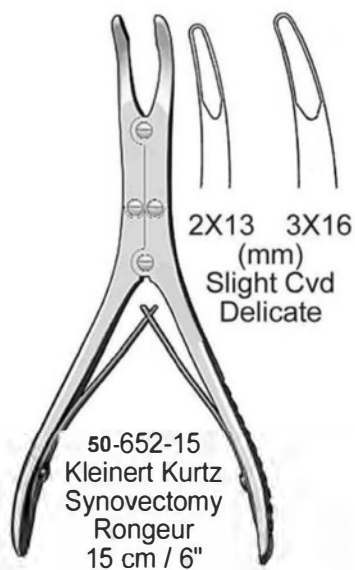
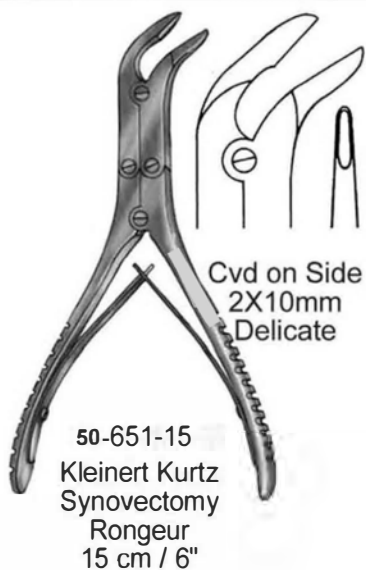
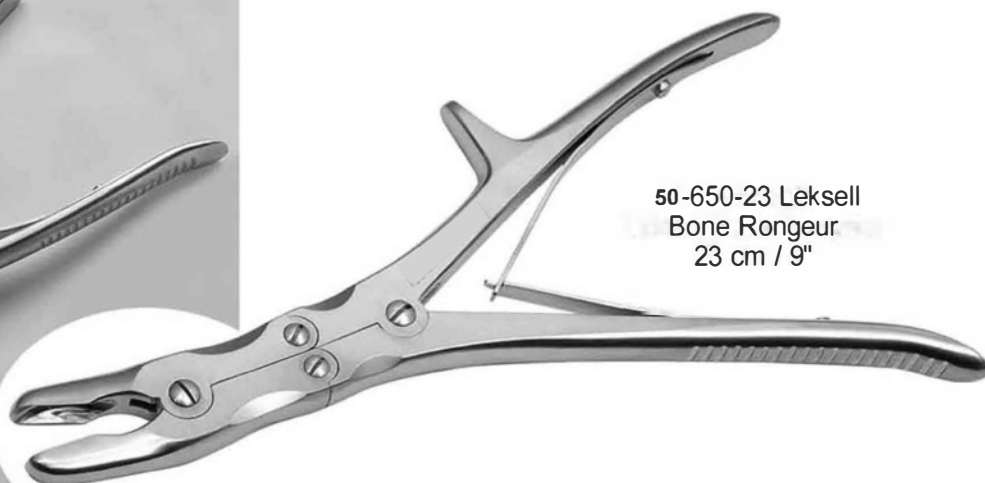
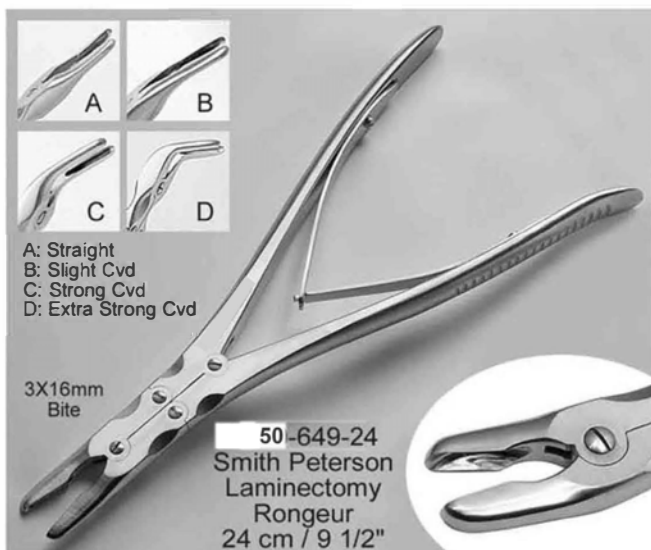
← A: 18 cm / 7"
B: 24 cm / 9 1/2" →

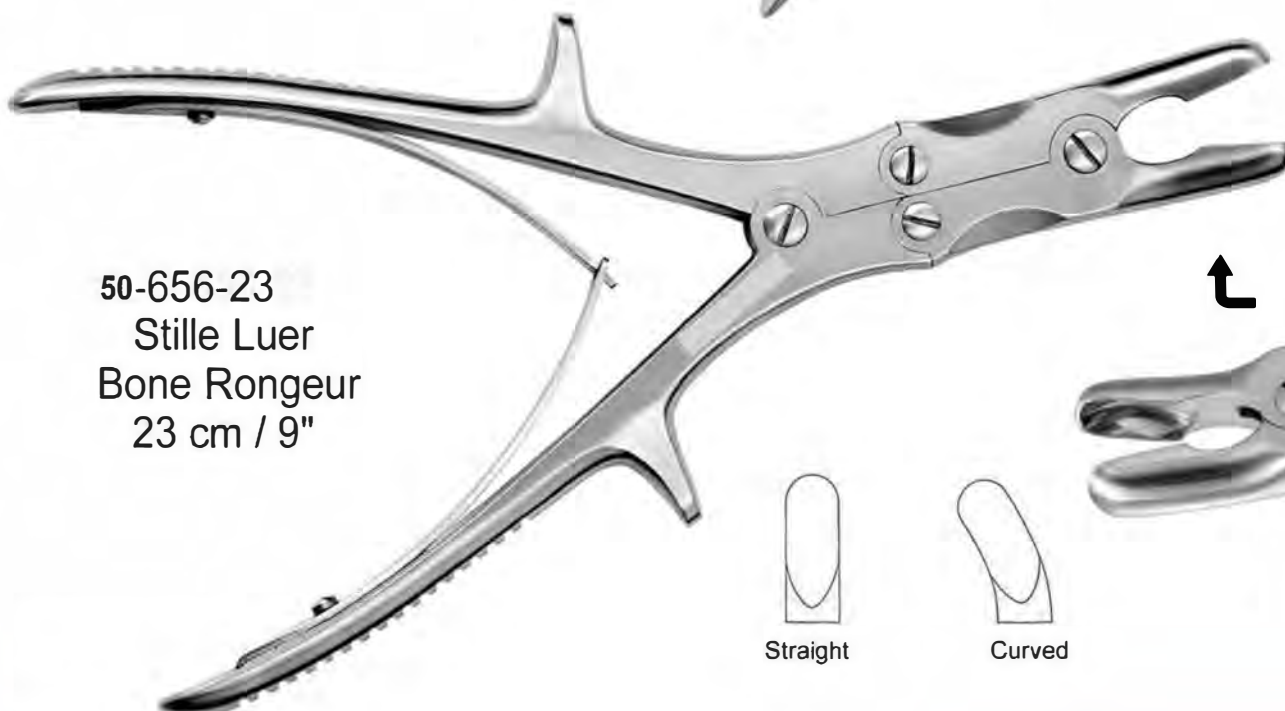
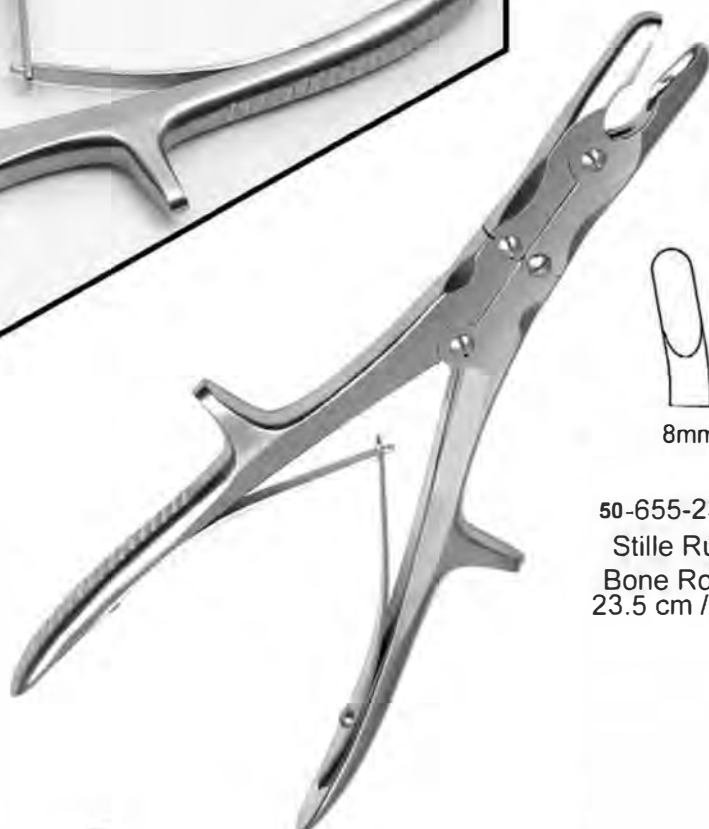
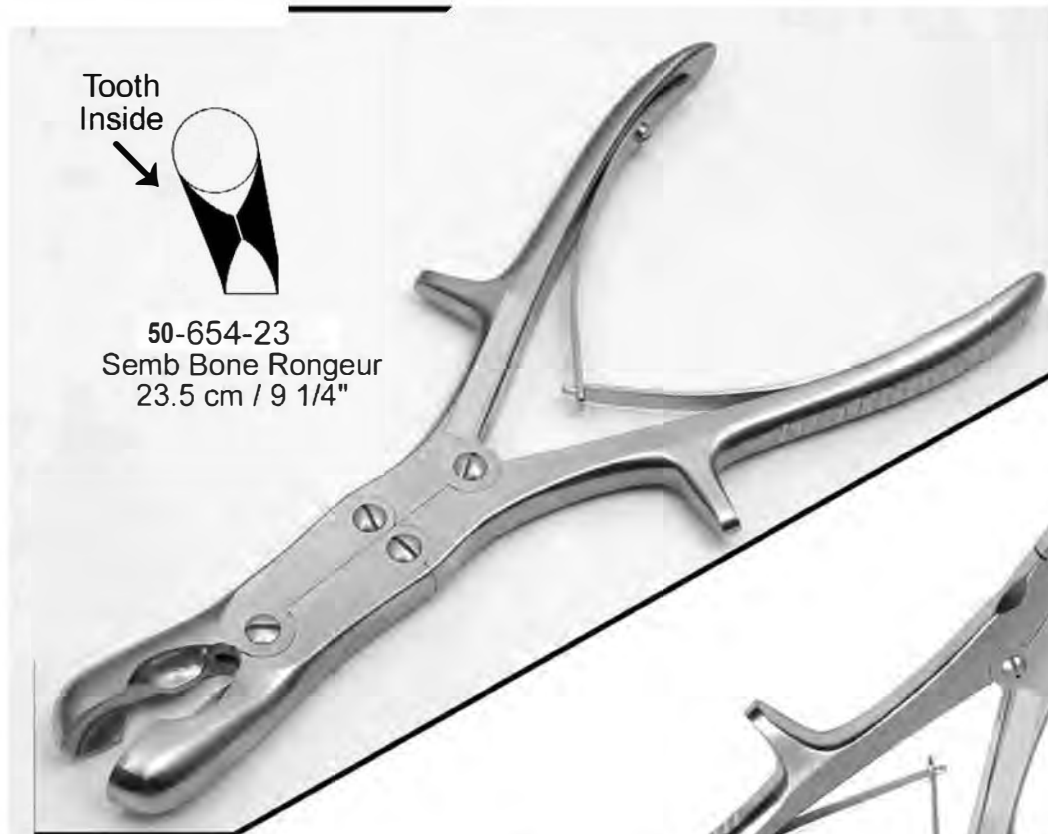


Same Size In
Both Rongeurs



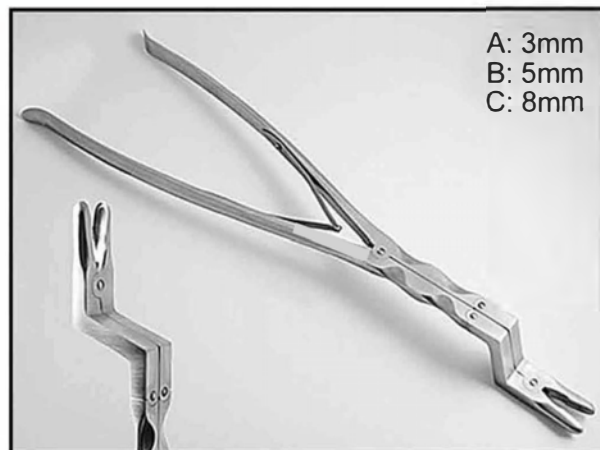
50-648-24
Leksell Bone Rongeur
24 cm / 9 1/2"
4 / 5 / 6 / 7 / 8mm



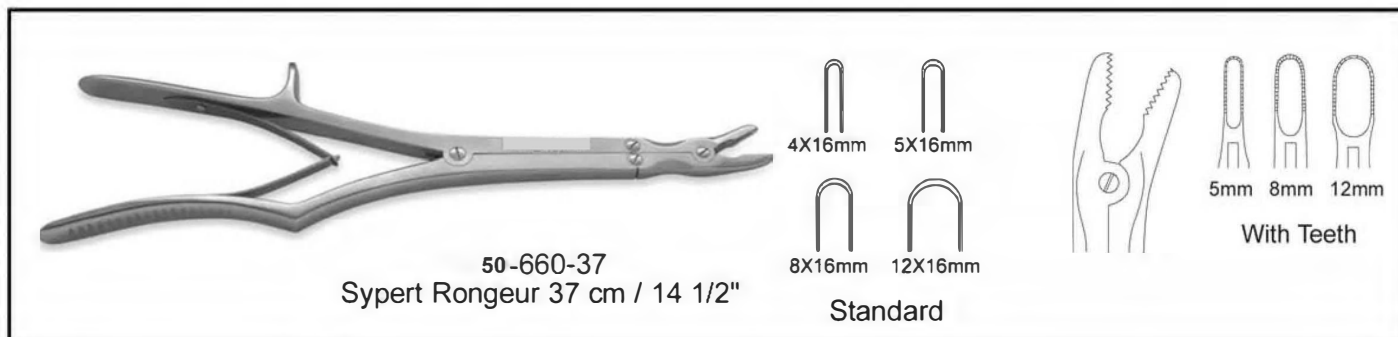




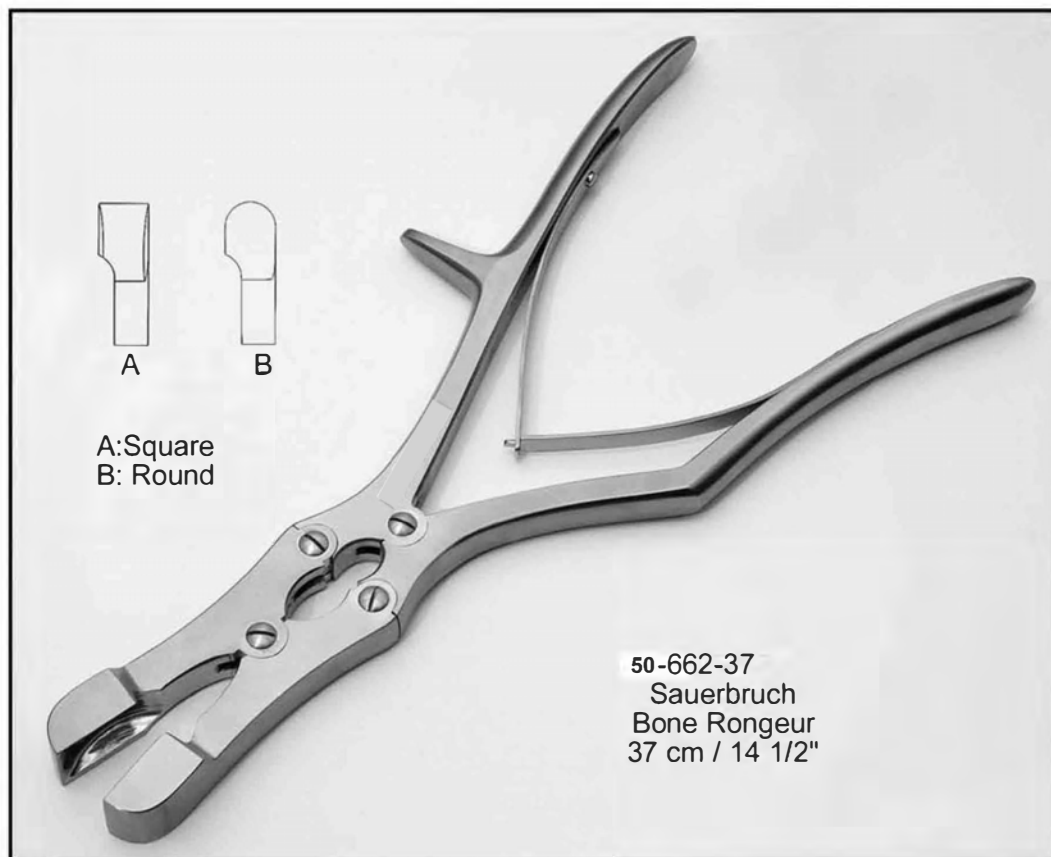
50-658-18
Mainz Long Neck Bone Rongeur 18 cm / 7"



50-659-41
Leksell Bayonet Rongeur 41 cm / 16"



50-661-37
Dale Thoracic Rongeur
37 cm / 14 1/2"





50-663-22
Rib Shear
Double Spring
22 cm / 8 3/4"



50-664-00
Rib Shear
Double Spring
A: 20 cm / 8"
B: 23 cm / 9"



50-665-17
Collin Rib Shear
17.5 cm / 7"



50-666-17
Collin Rib Shear
17 cm / 6 3/4"



50-667-21
Stille Rib Shear
21 cm / 8 1/4"



50-668-00
Gluck
Rib Shear
A: 16 cm / 6"
B: 18 cm / 7"
C: 20 cm / 8"
D: 23 cm / 9"



Left

Right

50-669-28
Brunner
Rib Shear
28 cm / 11"



50-670-25
Giertz Stille
Rib Shear
25 cm / 10"

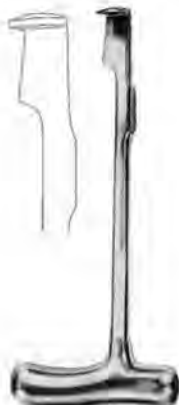


50-671-00
Sauerbruch
Rib Shear
A: 23 cm / 9"
A: 26 cm / 10 1/4"

50-672-25
Labsche
Rib Shear
25 cm / 10"



50-673-24
T Handle Labsche Sternum Chisel
24 cm / 9 1/2"



50-674-17
Rib Shear
Sideward
17 cm / 6 3/4"



Pointed
Tips



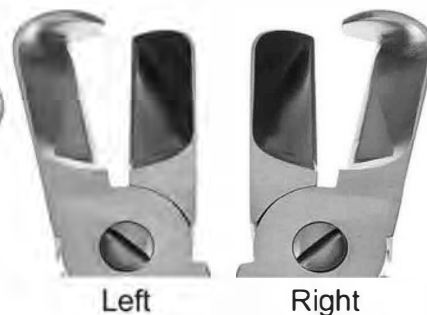
12-208-34A
Bethune Rib Shear
S Shaped Handle
34 cm / 13 1/2"



50-675-34
Bethune Rib Shear
S Shaped Handle
34 cm / 13 1/2"

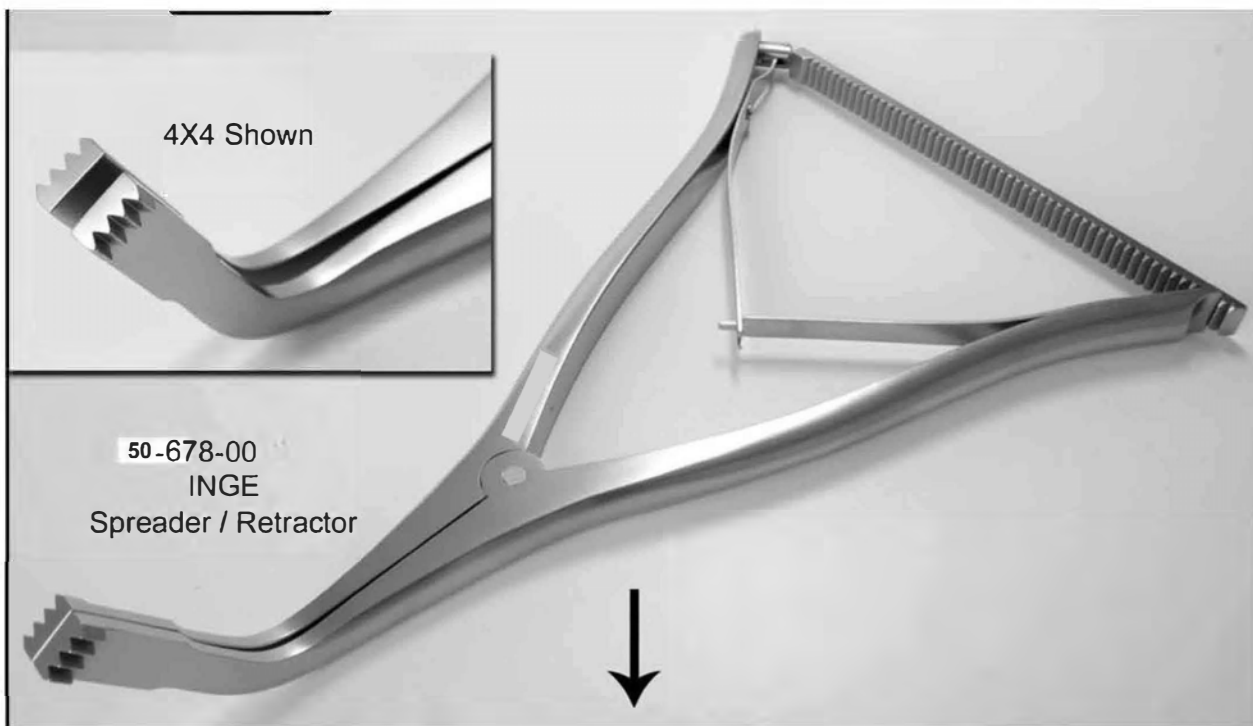


50-676-35
Coryllos-Bethune Rib Shear
S Shaped Handle
35 cm / 13 3/2"

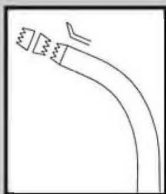


50-677-33
Roos Rib Shear
Right Angled Jaw W/ Hook
33 cm / 13"

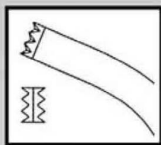




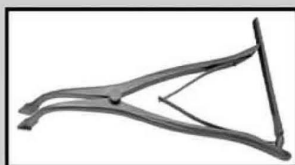
Available in 4X4 and 6X6 Teeth
and Without Teeth (Plain)



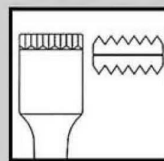
A: 4X4 Teeth
B: Without Teeth
16.5 cm / 6 1/2"



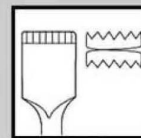
C: 4X4 Teeth
D: Without Teeth
25.5 cm / 10"



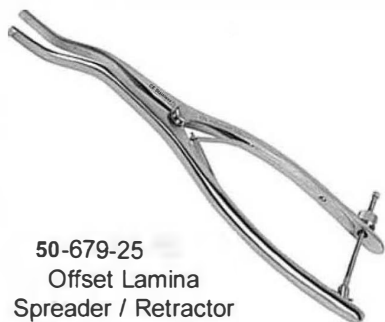
10 Inch Length Pattern



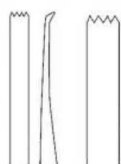
A: 6X6 Teeth
B: Without Teeth
27 cm / 10 1/2"
Flat Blades



C: 6X6 Teeth
C: Without Teeth
27 cm / 10 1/2"
Concave Blades



50-679-25
Offset Lamina
Spreader / Retractor
25.5 cm / 10"



50-680-00
Vertebra
Spreader
/ Retractor
A: 18 cm / 7"
B: 28 cm / 11"



50-681-00
Inge Spreader
Serrated Outside
Blades
A: 18 cm / 7"

50-682-00
Saxsena Lamina
Spreader / Retractor
A: 18 cm / 7"
B: 25.5 cm / 10"
Serrated Outside
Blades





50-683-18
Calcanal Spreader
Smooth Pads 15X12mm
18 cm / 7"



50-684-18
Calcanal Spreader
Grooved Pads 15X12mm
18 cm / 7"



50-685-18
Lombardi Femoral
Tibial Spreader (Small)
A: Grooved Pads 22X13mm
18 cm / 7"



B: Diamond Cut Pads 22X13mm



B: Diamond Cut Pads 22X13mm



50-686-23
Lombardi Femoral
Tibial Spreader (Large)
A: Grooved Pads 22X13mm
23.5 cm / 9 1/4"



50-687-28
Compressing Forceps
28 cm / 11"
Adjustable Locking
For Screws and Rods



50-688-23
Distracting Forceps
23 cm / 9"
Long Ratchet / Spiral Pring
For Screws and Rods



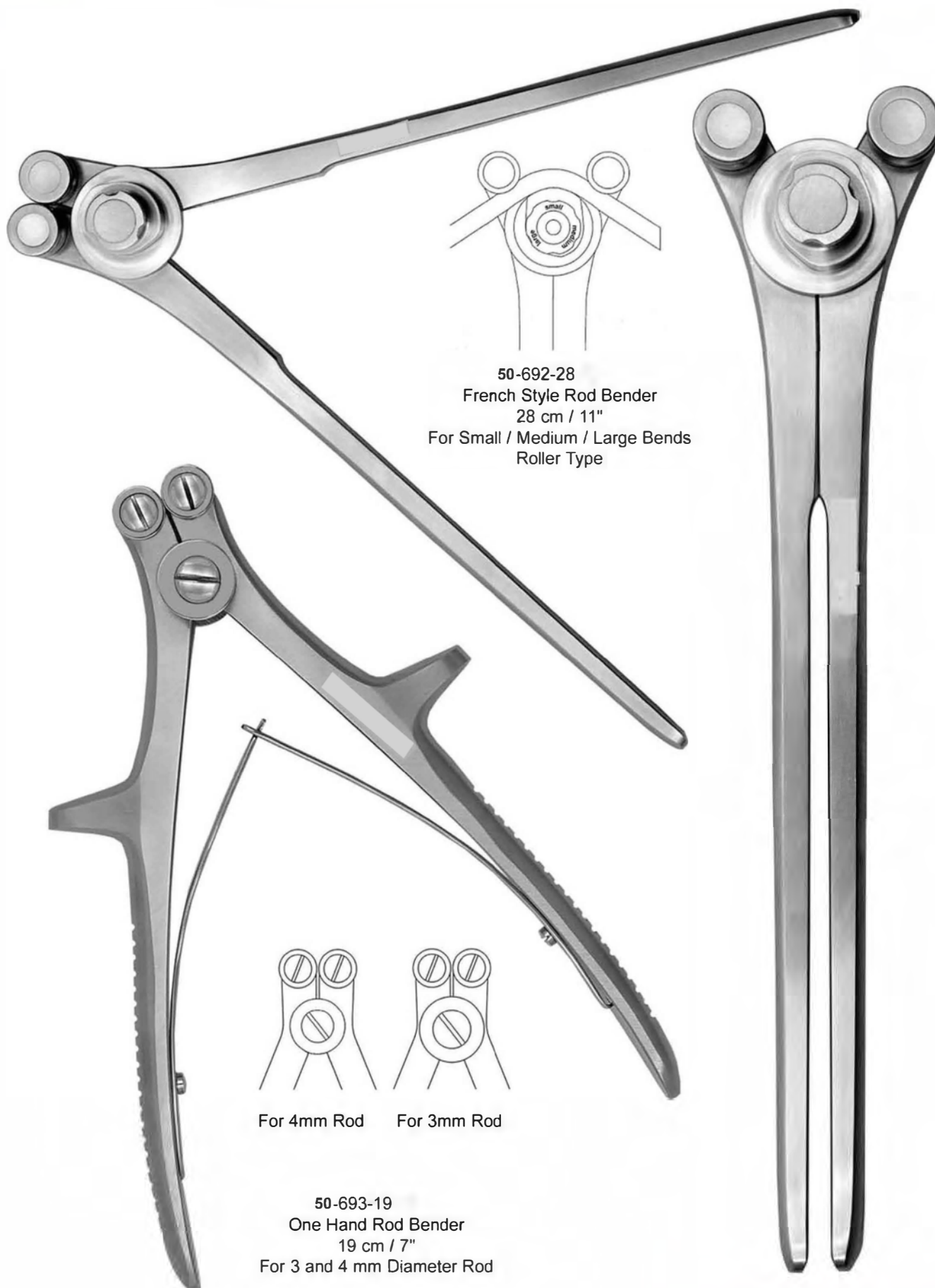
50-689-25
Distracting Forceps
25.5 cm / 10"
Leaf Pring
For Screws and Rods

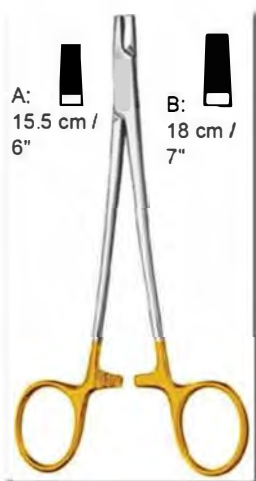


50-690-28
Compression Forceps
28 cm / 11"
Leaf Pring / Long Ratchet
For Screws and Rods

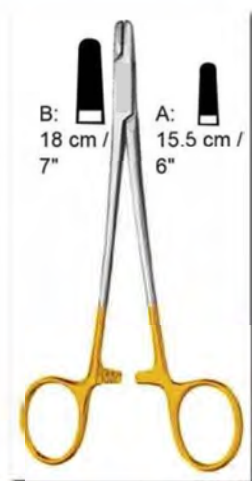


50-691-25
Distractor
25.5 cm / 10"
Leaf Pring
For Screws and Rods

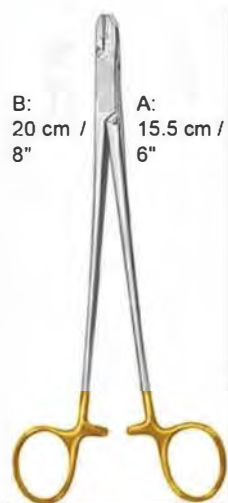




694-15-TC A / B
Wire Twisting
Forceps



695-15-TC A / B
Wire Twisting
Forceps



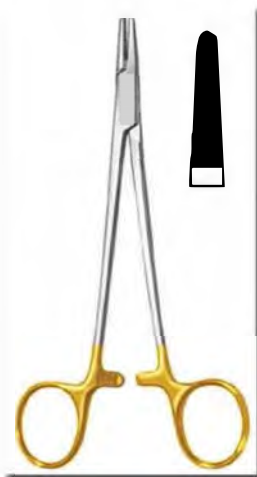
696-15-TC A / B
Wire Twisting
Forceps



697-18-TC Corwin
Combi-Wire Twisting
Forceps
18.5 cm / 7 1/4"



698-15-TC Wire
Twisting Forceps
15.5 cm / 6"



699-16-TC
Wire Twisting Forceps
16 cm / 6 1/4"



700-19-TC Wire Twisting
Forceps Heavy Pattern
19 cm / 7 1/2"

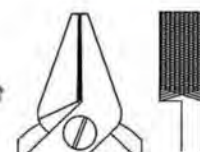
The Corwin-Hegar automatic Wire Twister is a special automatic twisting Instrument. In combination with a cerclage wire it can be used for fixation of fractures or temporal fixation. The Automatic Wire Twisters are available in different lengths and with various tungsten carbide inserts.



701-15-TC Corwin-Hegar
Auto Wire Twisting Forceps
15 cm / 6"



702-28-TC
Jet Wire Twisting Device
28 cm / 11" - 10mm Tip



Scissors in this Section can also be Manufactured without Carbide Tips / Gold Plating

703-00-TC

Mayo

Scissors TC Gold

A: 14.5 cm / 5 3/4" Str or Cvd

B: 17 cm / 6 3/4" Str or Cvd

C: 23 cm / 9" Str or Cvd

Blunt / Blunt



704-00-TC

Operating (Standard)

Scissors TC Gold

A: 13 cm / 5" Str or Cvd

B: 14 cm / 5 1/2" Str or Cvd

C: 15.5 cm / 6 1/2" Str or Cvd

D: 18 cm / 7" Str or Cvd

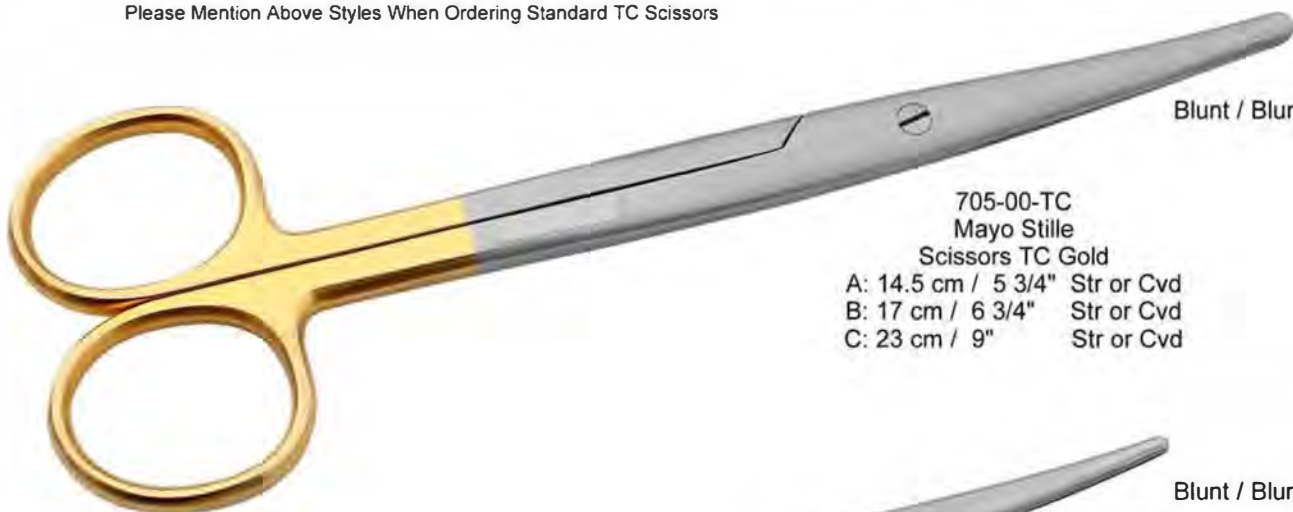
Sharp / Sharp
Cvd or Str

Blunt / Blunt
Cvd or Str

Sharp / Blunt
Cvd or Str

Please Mention Above Styles When Ordering Standard TC Scissors

Blunt / Blunt



705-00-TC

Mayo Stille

Scissors TC Gold

A: 14.5 cm / 5 3/4" Str or Cvd

B: 17 cm / 6 3/4" Str or Cvd

C: 23 cm / 9" Str or Cvd

Blunt / Blunt

706-00-TC

Metzenbaum

Scissors TC Gold

A: 14 cm / 5 1/2" Str or Cvd

B: 17 cm / 6 3/4" Str or Cvd

C: 20 cm / 8" Str or Cvd

D: 23 cm / 9" Str or Cvd

Blunt / Blunt



707-00-TC

Mayo-Harrington

Scissors TC Gold

A: 20 cm / 8" Str or Cvd

B: 23 cm / 9" Str or Cvd

C: 28 cm / 11" Str or Cvd

D: 30 cm / 12" Str or Cvd



708-12-TC

Ortho Universal Scissors TC Gold

12 cm / 4 1/3"



709-16-TC

Mayo-Nobel

Scissors TC Gold

A: 16.5 cm / 6 1/2" Str or Cvd



710-00-TC

Wire Cutting Plier TC Gold
A: 15 cm / 6" Cut Upto 1.3mm
B: 18 cm / 7" Cut Upto 1.6mm
C: 23 cm / 9" Cut Upto 2.5mm

Angled



711-00-TC

Wire Cutting Plier TC Gold
A: 15 cm / 6" Cut Upto 1.3mm
B: 18 cm / 7" Cut Upto 1.6mm

712-23-TC

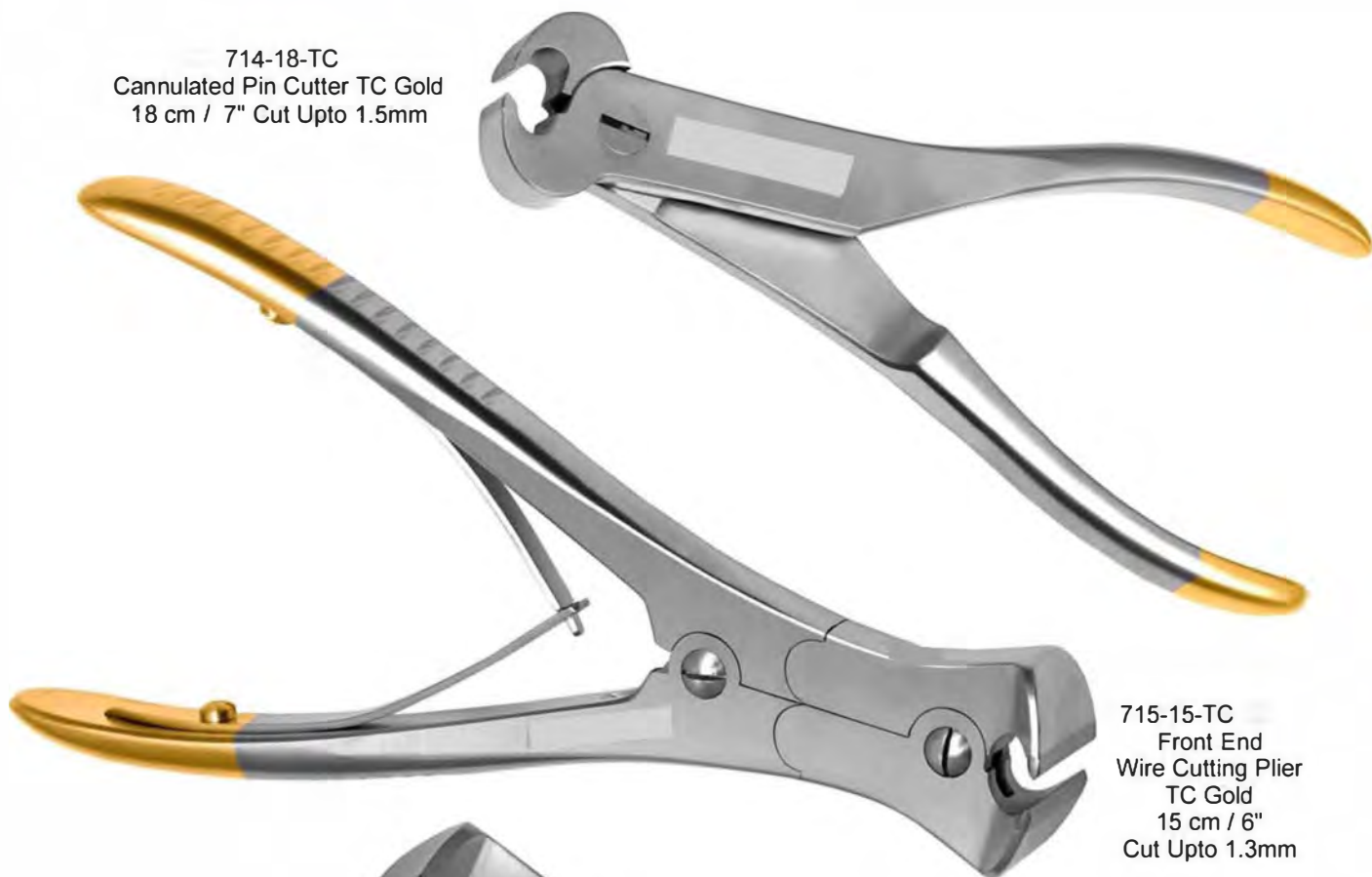
Wire Cutting Plier TC Gold
23 cm / 9" Cut Upto 2.5mm



713-18-TC

Wire Cutting Plier TC Gold
18 cm / 7" Cut Upto 1.6mm

714-18-TC
Cannulated Pin Cutter TC Gold
18 cm / 7" Cut Upto 1.5mm



715-15-TC
Front End
Wire Cutting Plier
TC Gold
15 cm / 6"
Cut Upto 1.3mm



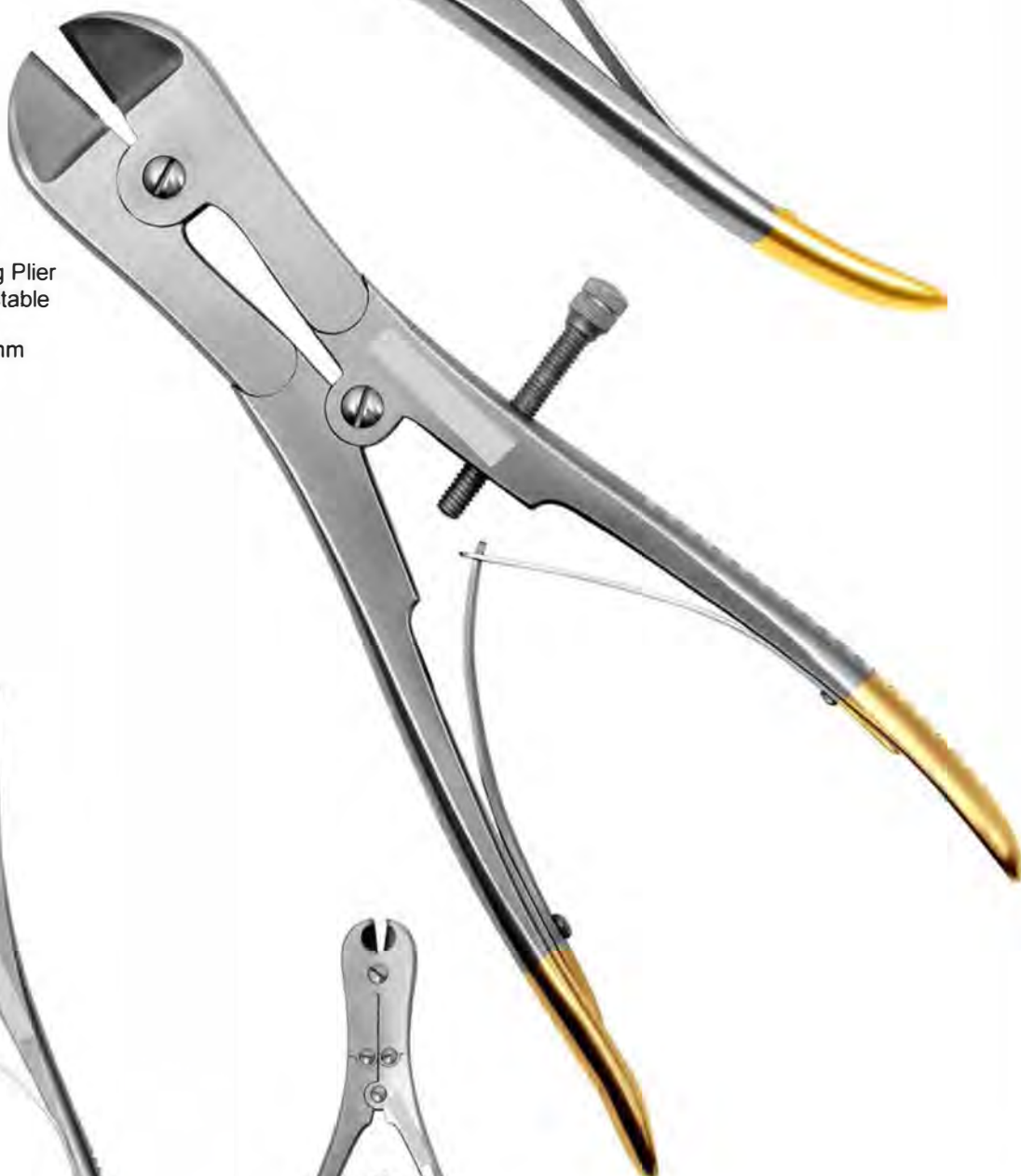
716-23-TC
Front End
Wire Cutting Plier
TC Gold
23 cm / 9"
Cut Upto 2.5mm

717-23-TC
Front End
Wire Cutting Plier
TC Gold
23 cm / 9"
Cut Upto 2.5mm

718-23-TC Plate /
Pin Cutting Plier
TC Gold
23 cm / 9"
Cut Upto 3.0mm



719-23-TC
Pin / Wire Cutting Plier
TC Gold / Adjustable
23 cm / 9"
Cut Upto 2.5mm



720-23-TC
Pin / Wire Cutting Plier
TC Gold
23 cm / 9"
Cut Upto 2.5mm



721-18-TC
Front / Side
Wire Cutting Plier
TC Gold
18 cm / 7"
Cut Upto 1.6mm



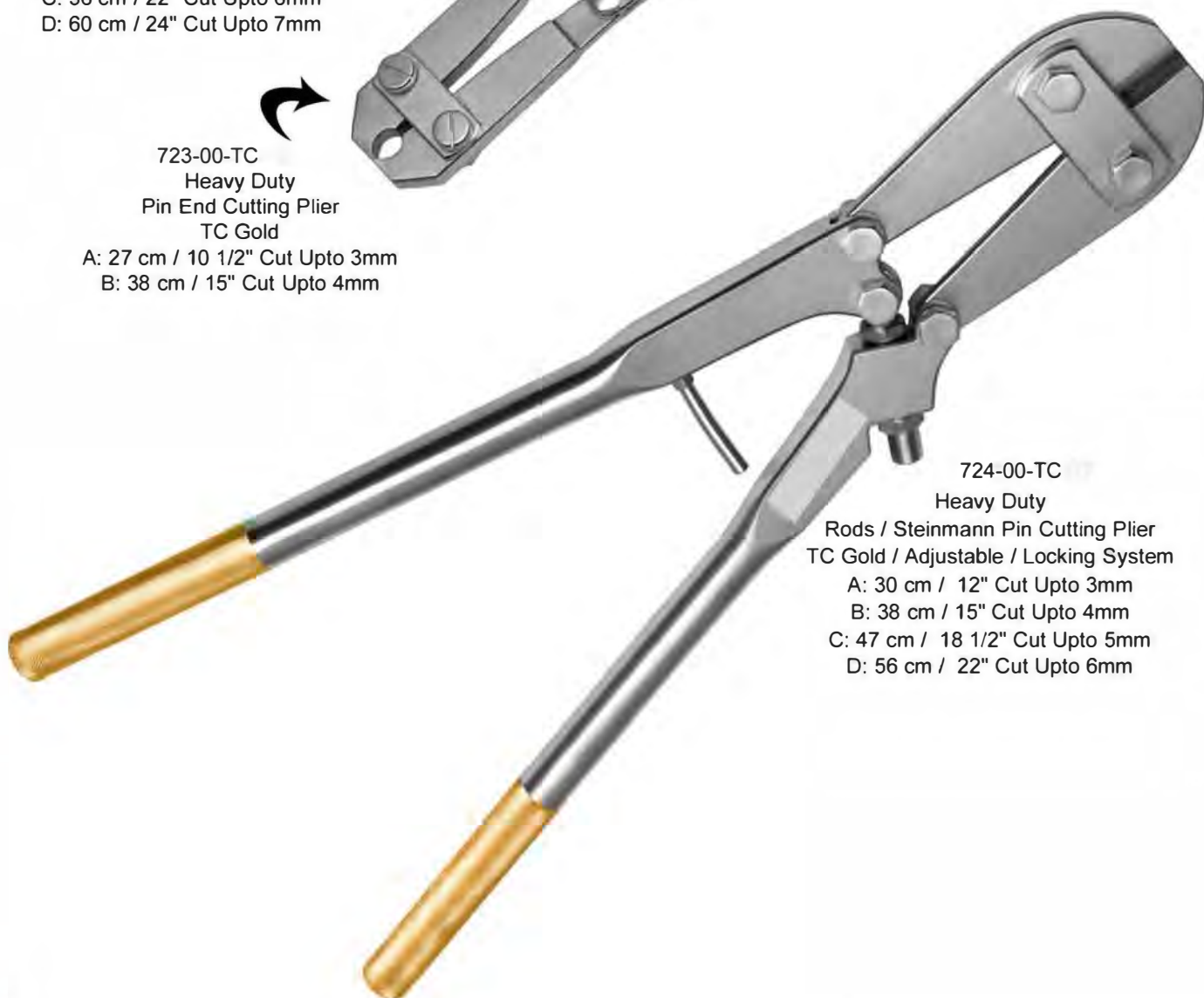
722-00-TC
Heavy Duty
Pin Cutting Plier
TC Gold

A: 30 cm / 12" Cut Upto 3mm
B: 47 cm / 18 1/2" Cut Upto 5mm
C: 56 cm / 22" Cut Upto 6mm
D: 60 cm / 24" Cut Upto 7mm



723-00-TC
Heavy Duty
Pin End Cutting Plier
TC Gold

A: 27 cm / 10 1/2" Cut Upto 3mm
B: 38 cm / 15" Cut Upto 4mm



724-00-TC
Heavy Duty
Rods / Steinmann Pin Cutting Plier
TC Gold / Adjustable / Locking System

A: 30 cm / 12" Cut Upto 3mm
B: 38 cm / 15" Cut Upto 4mm
C: 47 cm / 18 1/2" Cut Upto 5mm
D: 56 cm / 22" Cut Upto 6mm

Drill Bits for Quick Coupling

Drill bit 1.1mm dia.
for threaded hole for 1.5mm screws

Drill bit 1.5mm dia.
For threaded hole for 2.0mm screws and gliding hole for 1.5mm screws

Drill bit 2.0mm dia.
For threaded hole for 2.7 mm dia.
For gliding hole for 2.7mm screws

Item	Diameter	Total length	Usable length
310.110'	1.1mm	060mm	035mm
310.150'	1.5mm	085mm	060mm
310.160'	1.5mm	110mm	085mm
310.190'	2.0mm	100mm	145mm
310.120'	2.0mm	125mm	100mm
310.210'	2.7mm	100mm	075mm
310.280'	2.7mm	125mm	100mm
310.260'	2.7mm	100mm	075mm
310.280'	2.0mm	125mm	100mm

Drill bit 2.5mm dia.
For threaded hole for 3.5 and 4.0mm screws
Drill bit 3.5mm

Item	Diameter	Total length	Usable length
310.250'	2.5mm	110mm	085mm
310.230'	2.5mm	180mm	155mm
310.350'	3.5mm	100mm	085mm
310.370'	3.5mm	195mm	170mm

Drill bit 3.2mm dia.
For threaded hole for 4.5 and 6.5mm screws
Drill bit 4mm dia.
For gliding hole for 4.5mm screws

Item	Diameter	Total length	Usable length
310.190'	2.0mm	100mm	145mm
ZM-310.020	3.2mm	225mm	200mm
ZM-310.310'	3.2mm	145mm	120mm
310.290	3.2mm	195mm	170mm
310.440'	4.5mm	145mm	120mm
310.480	4.5mm	195mm	170mm

Drill Bits for Jacobs Type Chuck

Drill Bit for Jacobs chuck

Item	Diameter	Total length	Usable length
310.100	1.1mm	45mm	30mm
310.140	1.5mm	70mm	55mm
ZM-310.200	2.0mm	85mm	70mm
310.240	2.5mm	095mm	080mm
310.270	2.7mm	85mm	70mm
310.320	3.2mm	130mm	115mm
ZM-310.300	3.2mm	180mm	165mm
310.360	3.5mm	095mm	080mm
310.380	3.5mm	180mm	165mm
ZM-310.450	4.5mm	130mm	115mm
310.490	4.5mm	180mm	165mm



Tap for 2.0mm Cortex Screws
Predrilling: 1.5mm dia.

Item	Thread length	Total length
311.190'	24mm	053mm
ZM-311.210	38mm	100mm

Tap for 2.7mm Cortex Screws
Predrilling: 2.0mm dia.

Item	Thread length	Total length
311.260'	33mm	100mm
311.280	40mm	150mm

311.280'
Tap for 2.7mm Cortex Screws
total length 125mm, thread length 40mm
predrilling: 2.0mm dia.

Item	Length	Type
311.460'	125mm	thread length 70mm
311.470	175mm	with length markings

Tap for 3.5mm Cortex Screws
Predrilling: 2.5mm dia.

Item	Total length	Type
311.310	175mm	with length markings
311.320'	110mm	thread length 50mm

314.030'
Screwdriver Shaft, hexagonal, small
length 100mm, for quick coupling
For 2.7 to 4.0mm screws.

314.320'
Screwdriver Shaft, hexagonal, with Holding Sleeve
fro 1.5 and 2.0mm stainless steel screws
with hexagonal socket,

314.130
Screwdriver, hexagonal, with T-Handle,
large to loosen tight screws.
A normal screwdriver can be
additionally inserted in the hollow
shaft of the T-handle.

314.170
Screwdriver with Universal Joint, large
length 290mm

314.300
Screwdriver, hexagonal, with Holding Sleeve,
length 165mm for 1.5 and 2.0mm stainless
steel screws with hexagonal socket

314.060
Holding Sleeve

314.060'
Holding Sleeve for no. 314.030
single, as spare

313.980
Holding Sleeve for Mini Screws
single

314.150'
Screwdriver Shaft, Hexagonal, large
length 100mm,
Final tightening of the screw has to
be done by hand.

314.670'
Screwdriver Shaft, cruciform, 1.5/2.0, with Holding Sleeve
length 50mm, for 1.5 and 2.0mm

314.070'
Screwdriver, hexagonal, small with groove
length 200mm, for 2.7 to 4.0mm screws

314.270'
Screwdriver, hexagonal, large, with groove
length 240mm

314.020'
Screwdriver, hexagonal, small, with Holding Sleeve
length 200mm

310.880'
Countersink Shaft 1.5/2.0
length 52mm, for mini quick coupling

332.050
Router, for Jacobs chuck
length 90mm

332.060'
Router, for quick coupling
length 90mm

310.990'
Countersink, large
length 180mm, for 4.5mm cortex screws

310.890'
Countersink Shaft 3.5mm
length 72mm, for quick coupling,
to countersink the screw head

310.790
Dountersink, cannulated, for 7.0mm Cannulated Screws
length 230mm

310.950
Handle with mini quick coupling

392.040
Hand Chuck for Kirschner Wires
length 145mm, Spannbereich 0.6 to 1.6mm dia.

311.430'
Handle with quick coupling
length 110mm
for countersinks and
instruments for the removal of damaged screws

311.440'
T-Handle with quick coupling
length 80mm, for taps

311.011
Handle, small, with mini quick coupling

311.012
Handle, medium, with mini quick coupling

311.013
Handle, large, with mini quick coupling

314.140
Allen Key, hexagonal, angled
for 4.5 to 7.0mm screws

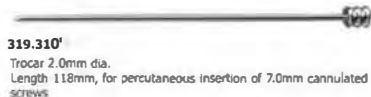
314.160
Allen Key, hexagonal, small, angled
length 65mm, for 2.7 to 4.0mm screws



312.300'
Insert Drill Sleeve 3.5/2.5
length 42mm, drill bit 2.5mm dia.



312.480'
Insert Drill Sleeve 4.5/3.2
length 80mm
for long lag screws



319.310'
Trocar 2.0mm dia.
Length 118mm, for percutaneous insertion of 7.0mm cannulated screws



319.320'
Drill Sleeve 4.5/2.0
length 109mm, for percutaneous insertion of 7.0mm cannulated screws



319.330'
Drill Sleeve 8.0/4.5
length 100mm, for percutaneous insertion of 7.0mm cannulated screws



ZM-322.260'
Handle for Drill Guides
single



ZM-397.300'
Drill Sleeve 3.0 with point
length 55mm



322.260'
Handle for Drill Guides
for nos. 397.150 to 170. single



Item 397.150 For diameter 1.5mm
397.160 2.0/2.7mm



397.170
Drill Sleeve 2.7



ZM-312.140'
Double Drill Sleeve 1.5/1.01
for 1.5mm cortex screws
drill bits, 1.5 and 1.1mm dia



312.220'
Double Drill Sleeve 2.0/1.5
for 2.0mm cortex screws



ZM-312.240'
Double Drill Sleeve 2.7/2.0
for 2.7mm cortex screws



312.280'
Double Drill Sleeve 3.5/2.5
for 3.5mm cortex screws and 4.0mm cancellous
bone screws
drill bits 3.5 and 2.5 dia.



312.460'
Double Drill Sleeve 4.5/3.2
for 4.5mm cortex screws
drill bits: 4.5 and 3.2mm dia



312.670'
Double Drill Sleeve 6.5/3.2
for 6.5mm cancellous bone screws
drill bit: 3.2mm dia.



323.260
Universal Drill Sleeve 2.7
Drill bits 2.0 and 2.7mm dia.,
Suitable for LC-DCP and round hole plates.



323.360
Universal Drill Guide 3.5
Drill bit 2.5 and 3.5mm dia., And tissue protection
for taps nos.
311.310/320/340, Suitable for LC-DCP and
round hole plates.



323.460'
Universal Drill Guide 4.5/3.2
Drill bits 3.2 and 4.5mm dia.



322.150 DCP
Drill Guide 2.0
for neutral and load position
drill bit 1.5mm dia.



322.210 DCP
Drill Guide 2.7
for neutral and load position
drill bit 2.0mm dia.



322.320'
DCP Drill Guide 3.5
for neutral and load position, drill bit 2.5mm dia.



322.440'
DCP Drill Guide 4.5
for neutral and load position, drill bit 3.2mm dia.



323.350'
LC-DCP Drill Guide 3.5
for neutral and load position, drill bit 2.5mm dia.



323.450'
LC-DCP Drill Guide 4.5
for neutral and load position, drill bit 3.2mm dia.



322.430'
DCP Hip Drill Guide 4.5
for neutral and load position, for 4.5mm screws with DHS and
angled blade plates, sleeve length 60mm, drill bit 3.2mm dia.



312.200'
Triple Drill Sleeve 2.0
with 3 holes, opposite side 1 hole



322.240'
DCP Mandible Drill Guide 2.7 short
drill bit 2.0mm dia



322.250'
DCP Mandible Drill Guide 2.7 long
drill bit 2.0mm dia



ZM-312.330
Insert Drill Sleeve with stop, for 4.5mm screws
adjustable length to limit drilling depth,
external dia. 4.5mm for drill bits of 3.2mm dia.



319.300'
Parallel drill Guide 4.5
for percutaneous insertion of 7.0mm cannulated screws



312.710'
Parallel Wire Guide 2.0mm dia.



319.010'
Depth Gauge for 2.7 to 4.0m screws
measuring range up to 60mm



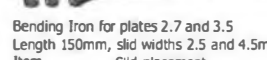
319.010'
Depth Gauge for 2.7 to 4.0mm screws
measuring range up to 60mm



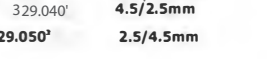
319.100'
Depth Gauge for 4.5mm to 6.5mm screws
measuring range up to 110mm



329.040'
Bending Iron for plates 2.7 and 3.5
Length 150mm, slid widths 2.5 and 4.5mm, required pairs



329.050'
Bending Iron for plates 1.5 and 2.0
Length 130mm, slid widths 2.5mm



329.020
Bending Iron LC-DCP/DCP
length 250mm, for small and broad LC-DCP, DCP
slit widths 5 and 7mm, Required in pairs



332.010'
Triple Drill Guide
130° angle, for 130° angled blade plates and
for condylar plates,
drill bit 4.5mm dia.



ZM-312.850
Drill Guide with stop 3.5/2.7
to limit drilling depth



ZM-319.340'
Protection Sleeve 11.0/8.0
for percutaneous insertion of 7.0mm cannulated screws



314.090'
Holding Sleeve
length 80mm, for 2.7 to 4.0mm screws



314.080
Holding Sleeve for
length 80mm for 2.7mm screws and
3.5mm cannulated screws



314.280'
Holding Sleeve, large, length 120mm
for Nos. 314.190/240/260/270/275



319.970'
Screw Forceps, self-holding
length 85mm, to take screws out of the screw racks



312.470
Drill Sleeve, pointed



329.010'
Bending Iron for plates 1.5 and 2.0
Length 130mm, slid widths 2.5mm



329.020
Bending Iron LC-DCP/DCP
length 250mm, for small and broad LC-DCP, DCP
slit widths 5 and 7mm, Required in pairs



392.000'
Bending Iron for Kirschner Wires
length 120mm, for 1.25 to 2.5mm dia.



392.020
Bending Iron for Kirschner Wires
length 115mm, for 0.8 to 1.25mm dia.



329 .080
Bending Iron for Reconstruction Plates 3.5 and 4.5
length 190mm, required in paris



397.110
Handle with Sleeve
with rotating drill guide and anchoring point



397.120
Trocac Point, large, for number 397.110
for nos. 387.000/397.110



397.130
Cheek Retractor Ring, for number 397.110
for nos. 387.000/397.110



321.160'
Combination Wrench 11mm
length 140mm



J21.170'
Pin Wrench
length 120mm, 4.5mm dia.
For tension device, distractor and knurled
nut of insertion handle for intramedullary nail



321.150'
Socket Wrench 11mm
length 200mm



332.200'
Slotted Hammer
length 270mm



332.160'
Inserter/Extractor, with Adjustable Clamps
length 270mm, for the insertion and extraction of angled plates for
adults and hip plates for adolescents and children as well as tibial
plateau osteotomy plates.



332.350
Inserter/Extractor
length 175mm, for infant hip plate and mini hip plate.



329.290
ending Pliers for Reconstruction Plates 2.7 and 3.5
length 240mm



329.150'
Bending Pliers for plate 2.4 to 4.0
length 230mm



329.240
Bending Pliers for plates

329.250
Anvil, narrow

329.260
Anvil, large



329.300
Bending Press
length 400mm



391.950'
Cutter for thin plates 1.5 to 2.7
length 256mm



329.270'
Bending Pliers
for reconstruction plates 2.7,
length 270mm, required in paris



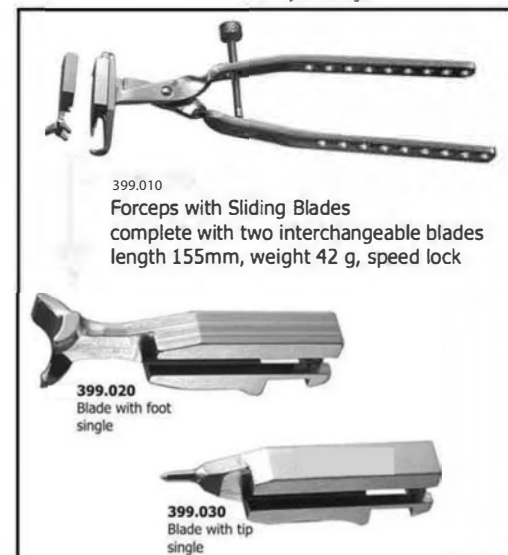
391.230
Cerclage Wire Tightener
length 260mm
for twisting, for temporary fixation during reduction



321.120'
Tension Device, articulated
Span 20mm, can also be used as a distractor.
Colour scale: yellow up to 500N, green up to 1000N,
red above 1000N.

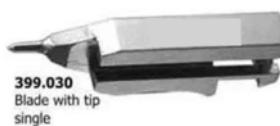


332.090'
Chisel Guide
with adjustable angle



399.010
Forceps with Sliding Blades
complete with two interchangeable blades
length 155mm, weight 42 g, speed lock

399.020
Blade with foot
single



399.030
Blade with tip
single



319.020
Measuring Device
for drill bits, screws, Kirschner wires, and Steinmann pins



319.440'
Holding Clip



391.100'
Wire Passer
45mm bending diameter



391.130'
Wire Passer
70mm bending diameter



391.210'
Wire Tightener
length 240mm, with handle and two pegs



Cerdage Wire with eye			Cerdage Wires without eye		
Item	Diameter	Length	Item	Diameter	Length
291.080	0.80mm	280mm	ZM- 291.220	0.40mm	150mm
291.010 ¹	1.00mm	280mm	ZM- 291.240	0.60mm	175mm
291.020 ¹	1.25mm	280mm	ZM- 291.260	0.80mm	200mm
291.030	1.00mm	600mm	ZM- 291.270	1.00mm	250mm
291.040	1.25mm	600mm	ZM- 291.280	1.25mm	300mm
291.110	1.50mm	280mm			
291.120	1.50mm	600mm			

Diameter Ø
A: 0.2 mm
B: 0.3 mm
C: 0.4 mm
D: 0.5 mm
E: 0.6 mm
F: 0.7 mm
G: 0.8 mm
H: 0.9 mm
I: 1.0 mm
J: 1.2 mm
K: 1.5 mm



25-100-00
Bone Wire Soft
Coil of 10 Meters
Implantable Material

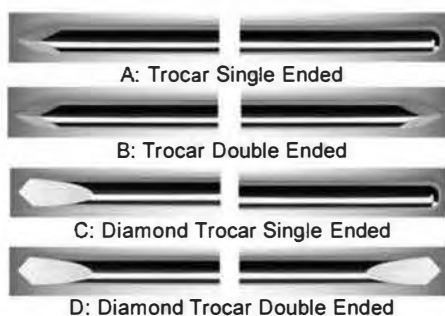
Shanz Screws Implantable Material



2 x 60 x 15 mm	5 x 150 x 30 mm
3 x 60 x 15 mm	5 x 160 x 40 mm
3 x 80 x 15 mm	5 x 180 x 40 mm
3 x 80 x 20 mm	5 x 200 x 40 mm
3 x 100 x 15 mm	5 x 220 x 40 mm
3 x 120 x 15 mm	6 x 120 x 40 mm
4 x 80 x 20 mm	6 x 140 x 40 mm
4 x 100 x 20 mm	6 x 150 x 40 mm
4 x 120 x 20 mm	6 x 160 x 40 mm
4 x 140 x 20 mm	6 x 180 x 40 mm
5 x 120 x 30 mm	6 x 200 x 40 mm
5 x 140 x 30 mm	6 x 220 x 40 mm

Kirschner Wire Implantable Material

Packs of 10 units			Titanium Alloy		
St. steel	Diameter	Length	ZM- 292.060	0.60mm	070mm
ZM- 292.080	0.80mm	070mm	ZM- 492.080	0.80mm	070mm
ZM- 292.090	0.80mm	150mm	ZM- 492.090	0.80mm	150mm
ZM- 292.100 ¹	1.00mm	150mm	ZM- 492.100	1.00mm	150mm
ZM- 292.110	1.00mm	280mm	ZM- 492.110	1.00mm	280mm
ZM- 292.120 ¹	1.25mm	150mm	ZM- 492.120	1.25mm	150mm
ZM- 292.130	1.25mm	280mm	ZM- 492.130	1.25mm	280mm
ZM- 292.140	1.40mm	150mm	492.140	1.40mm	150mm
ZM- 292.150	1.40mm	280mm	492.150	1.40mm	280mm
ZM- 292.160 ¹	1.60mm	150mm	492.160	1.60mm	150mm
ZM- 292.170	1.80mm	150mm	ZM- 492.170	1.80mm	150mm
ZM- 292.180	1.60mm	280mm	492.180	1.60mm	280mm



Kirschner Wire Implantable Material

Packs of 10 units			Titanium Alloy		
St. steel	Diameter	Length	292.190	1.80mm	280mm
292.200 ¹	2.00mm	150mm	ZM- 492.200	2.00mm	150mm
292.210	2.00mm	280mm	ZM- 492.210	2.00mm	280mm
ZM- 292.230	2.00mm	400mm	ZM- 492.230	2.00mm	400mm
ZM- 292.250 ¹	2.50mm	150mm	ZM- 492.250	2.50mm	150mm
292.260	2.50mm	280mm	ZM- 492.260	2.50mm	280mm
292.280	2.50mm	400mm	ZM- 492.280	2.50mm	400mm
292.300 ¹	3.00mm	150mm	ZM- 492.300	3.00mm	150mm
292.310	3.00mm	280mm	ZM- 492.310	3.00mm	280mm
292.330	3.00mm	400mm	ZM- 492.330	3.00mm	400mm

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