



Al Fazeelat
Corporation

High Quality Orthopedic Instruments



ISO:9001 13485



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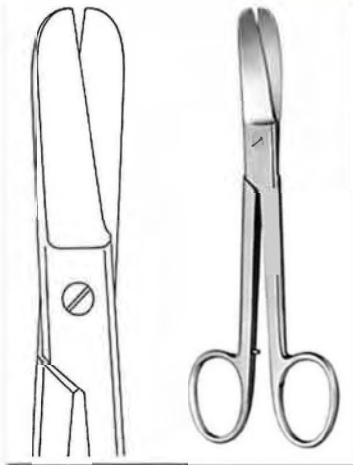
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Sialkot, PAKISTAN

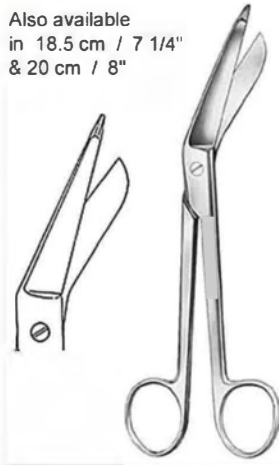
www.alfazeelatcorp.com

ORTHOPEDIC DRESSING INSTRUMENTS



50-100-23

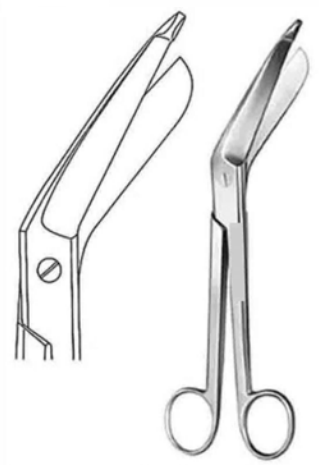
Lorenz Bandage Scissors
Heavy Pattern (23 cm / 9")



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

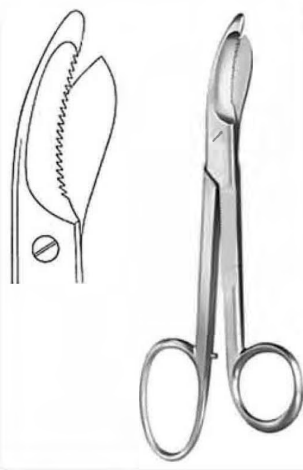
Esmarch Plaster Shears
Heavy Pattern, Short Blades
20 cm / 8"

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

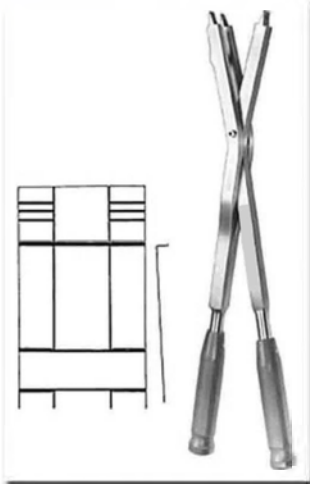
Engel Plaster Saw 15.5 cm / 6"



113-18

Bergmann
Plaster Saw
18 cm / 7"

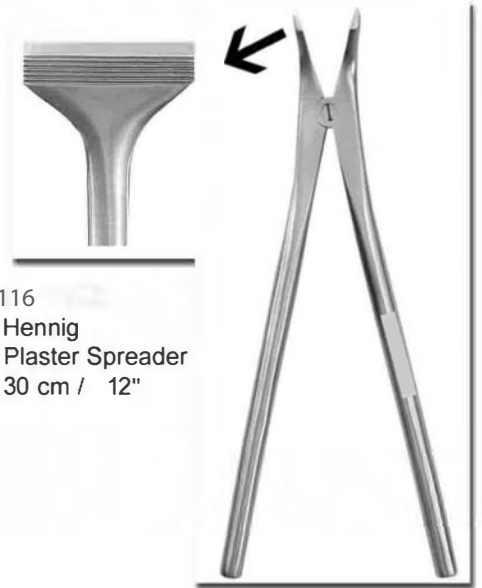
PLASTER CAST INSTRUMENTS



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



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



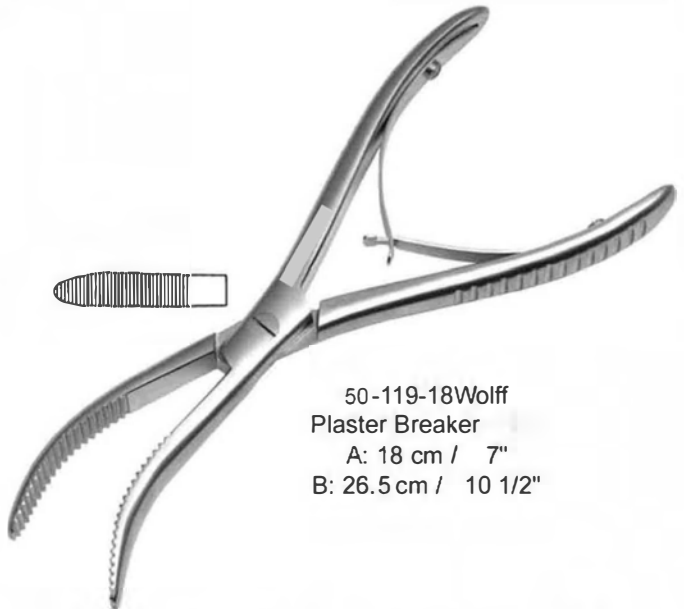
50-116
Hennig
Plaster Spreader
30 cm / 12"



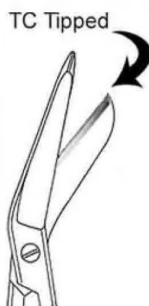
0117 30
Beeson Plaster Spreader
1.5 In Blade
30 cm / 12"



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"

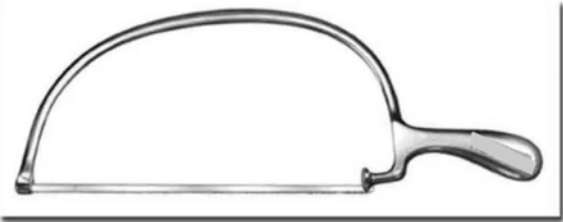


50-121-24-TC
Bruns
Plaster Scissors
24 cm / 9 1/2"
Also Available
in Non TC
Version



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

Spare Saw Blades
21.5 cm / 8 3/4" 12mm wide
21.5 cm / 8 3/4" 15mm wide
21.5 cm / 8 3/4" 18mm wide



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

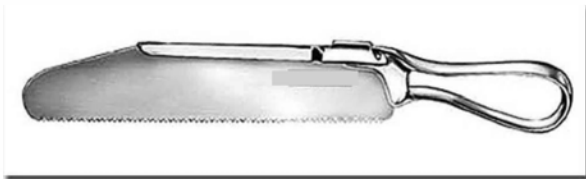
Spare Saw Blades
27 cm / 10 3/4" 4mm wide
27 cm / 10 3/4" 6mm wide
27 cm / 10 3/4" 8mm wide



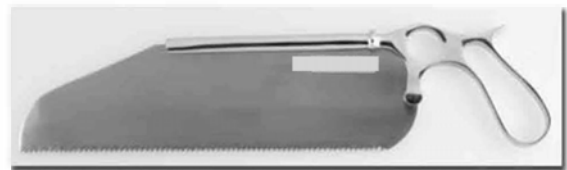
50-124-24 Langenbeck Amputation Saw
24.5 cm / 9 3/4"



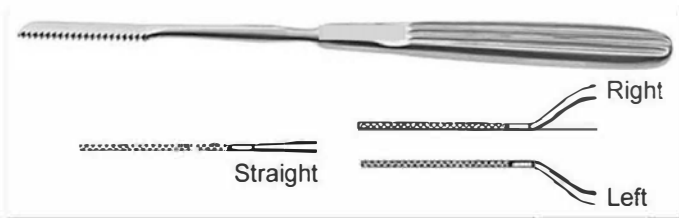
50-125-29 Satterlee Amputation Saw 29 cm / 11 1/2"
Also: Spare Saw Blade Available in 20 cm / 8 1/4" Size



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 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

REAMERS - AWLS - BONE HOOKS



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



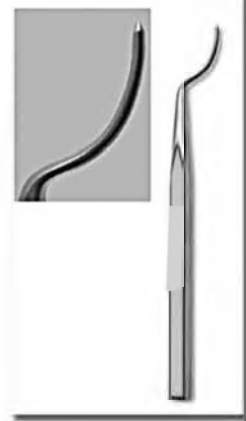
50-138-18
Perthes Reamer
18 cm / 7"



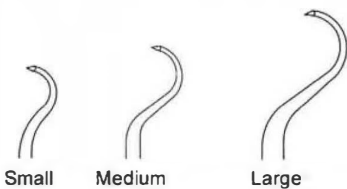
50-139-21
Perthes Reamer
21.5 cm / 8 1/2"



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



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



Small Medium Large



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



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

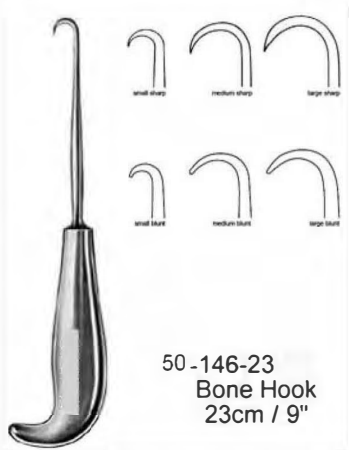


50-143-28
Kuntscher Diamond Awl 28cm / 11"

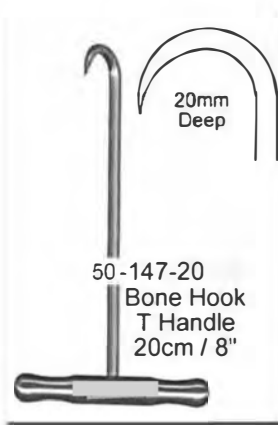
Pointed

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

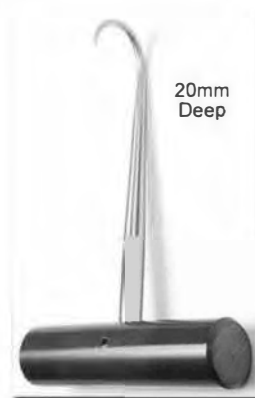
50-144-00 Rush
Awl / Reamer



50-146-23
Bone Hook
23cm / 9"



50-147-20
Bone Hook
T Handle
20cm / 8"



50-148-14
Bone Hook T Fibre Handle
14cm / 5 5/8"



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



50-149-00 Volkman Bone Hook

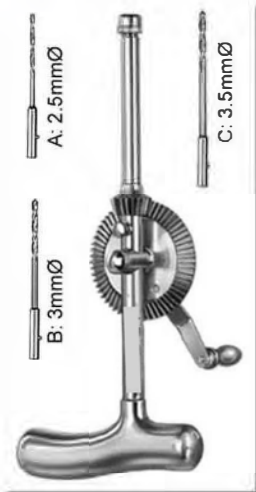
A: 20cm / 8"
19X27mm
Sharp

B: 23cm / 9"
15X20mm
Blunt

C: 23cm / 9"
15X20mm
Sharp

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

HAND BONE DRILLS



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

Fig.A: 2.5 mmØ Twist Drill

Fig.B: 3 mmØ Twist Drill

Fig.C: 3.5 mmØ Twist Drill

Fig.D: 4 mmØ Twist Drill

Fig.E: 10 mmØ Trephine

Fig.F: 5 mmØ Spherical Burr

Fig.G: 8 mmØ Spherical Burr

Fig.H: 12 mmØ Spherical Burr

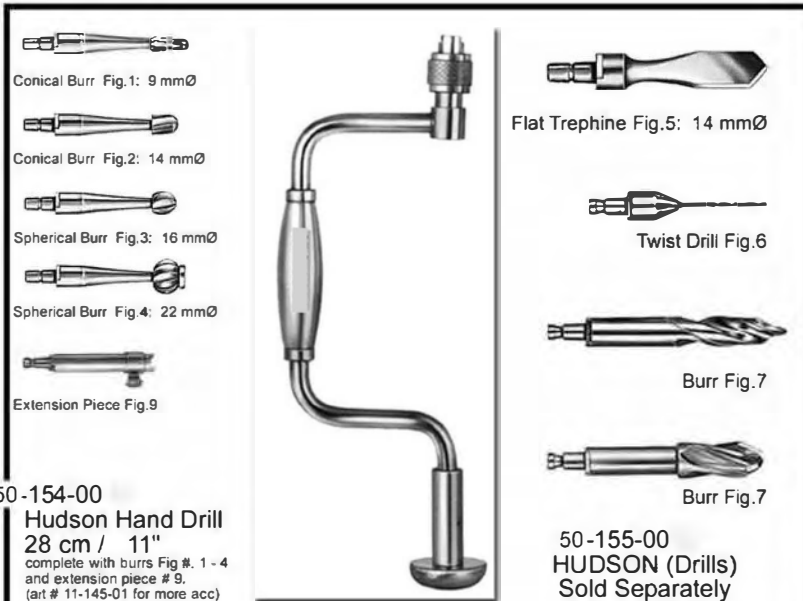
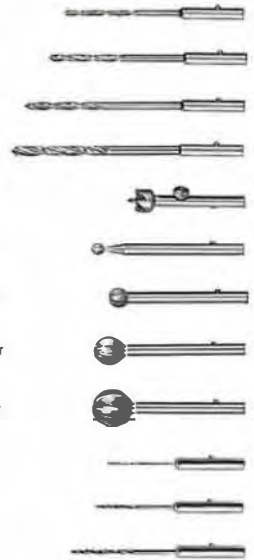
Fig.I: 16 mmØ Spherical Burr

Fig.J: 1 mmØ Twist Drill

Fig.K: 1.5 mmØ Twist Drill

Fig.L: 2 mmØ Twist Drill

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)

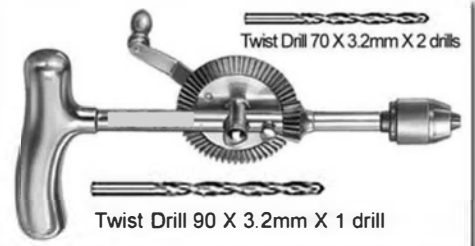
Flat Trephine Fig.5: 14 mmØ

Twist Drill Fig.6

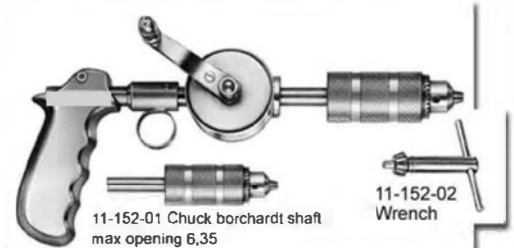
Burr Fig.7

Burr Fig.7

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

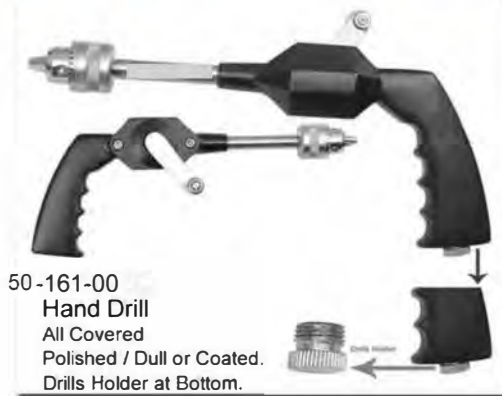


50-159-16
Bunnell Type
Hand Drill 16cm,

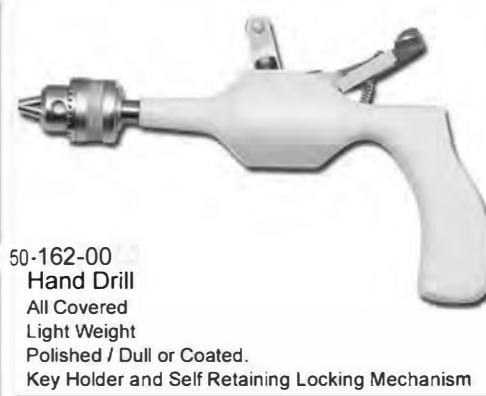
Twin Shade Powder Coated
Longitudinally bored with 3-Jaw-Chuck
light metal housing opening up to 4mmØ



Light Metal Housing
Literally Angled Handle with 3-Jaw-Chuck
and key, opening up to 6.35mmØ



50-161-00
Hand Drill
All Covered
Polished / Dull or Coated.
Drills Holder at Bottom.



50-162-00
Hand Drill
All Covered
Light Weight
Polished / Dull or Coated.
Key Holder and Self Retaining Locking Mechanism



50-163-01
Box for Hand Drills W/ Art #s: 11-450-00
and 11-455-00 Outside Artificial Leather
/ Inside Jumbo Foam



50-164-00
Hand Drill
Polished / Dull or Coated.
Operated Horizontally and
Vertically



Comes with Keys



50-165-00
Hand Drill
Polished / Dull or Coated.
All Covered



50-166-00
Hand Drill
Polished / Dull
or Coated.
Open Housing



50-167-01
Hand Drill
Polished / Dull
or Coated.
Open Housing



50-168-00
Hand Drill
Polished / Dull
or Coated.
Semi Closed Housing



30-169-14 Vickers Easidriver 14 cm / 5 1/2"



50-170-14 14cm / 5 1/2"
Handle W/ Chuck Longitudinally
Bored Accomodating up to 3,95mm



50-171-01
Key



50-172-00
Handle with chuck
T-Shaped



50-173-01
Key



50-174-01 Fibre
T-Handle Key



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 Trphine

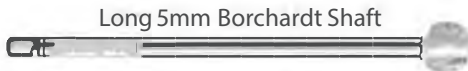
A: 1.8mm B: 2.0mm C: 2.2mm D: 2.5mm E: 3.0mm F: 3.5mm G: 4.0mm H: 5.0mm



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

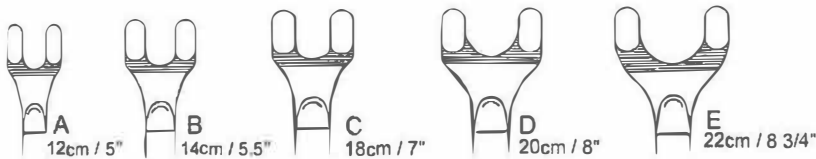


50-189-03 Toti Trephine
Short Borchardt Shaft 8mm

BONE HOLDING CLAMPS



50-190-00
Standard

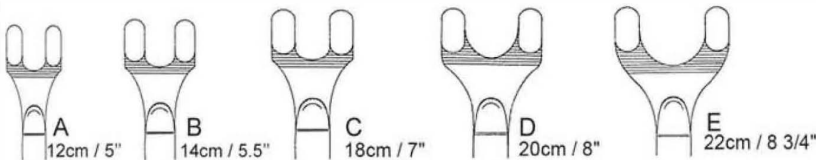


Gerster-Lowman Bone Holding Clamp

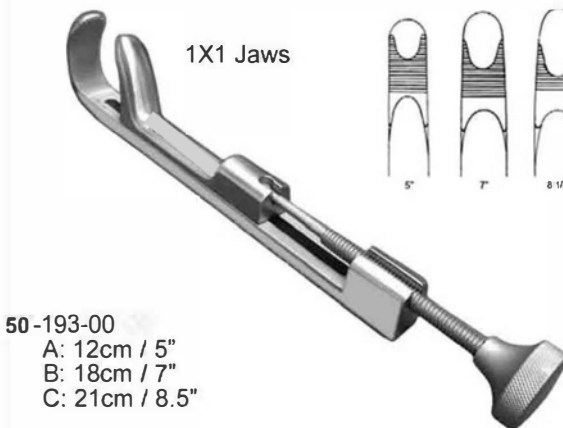


50-192-15 Gerster
Traction Bar
15cm / 6"

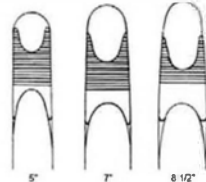
50-191-00
Angled



Gerster-Lowman Bone Holding Clamp

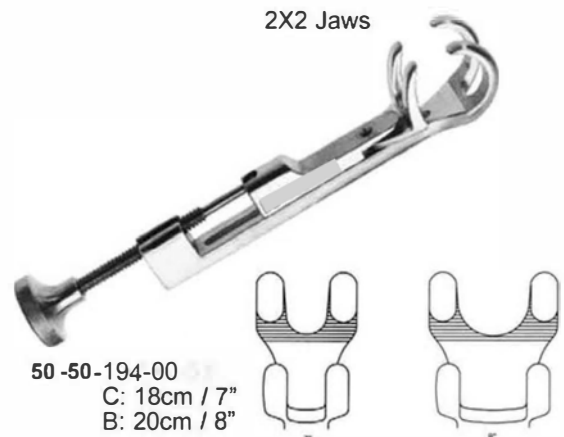


1X1 Jaws



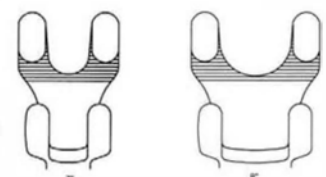
50-193-00
A: 12cm / 5"
B: 18cm / 7"
C: 21cm / 8.5"

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"

BENDING - WIRE CUTTING PLIERS



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"



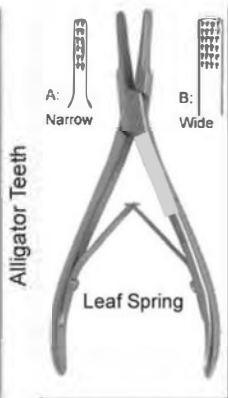
50-215-17
Flat Nose Pliers 17.5 cm / 7"



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"



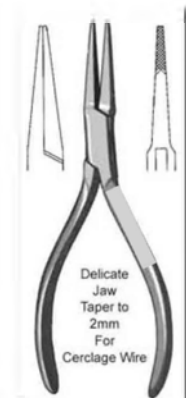
50-218-15
Platypus Nail
Pulling Forceps
15.5 cm / 6 1/4"



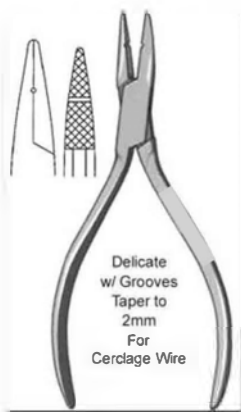
50-219-15
Round Nose Pliers
15.5 cm / 6 1/4"



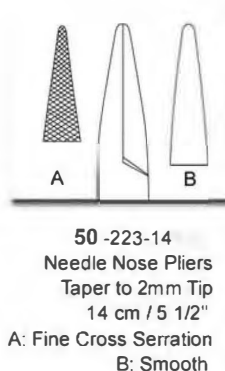
50-220-15
Needle Nose Pliers
15.5 cm / 6 1/4"



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

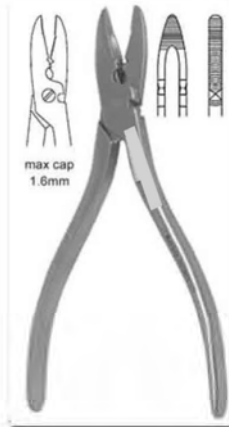
BENDING - WIRE CUTTING PLIERS



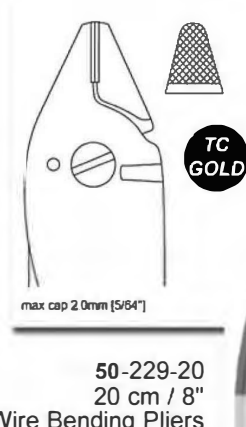
50-226-14
14 cm / 5 1/2"
Circlage Pliers / Cutter



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



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



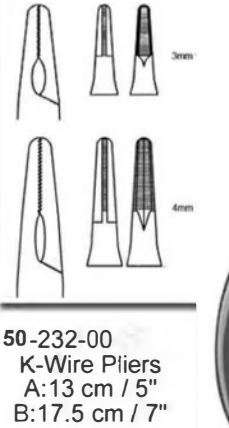
50-229-20
20 cm / 8"
Wire Bending Pliers
TUNGSTEN
CARBIDE



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



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



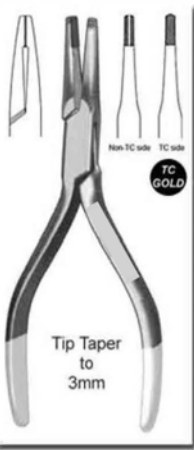
50-232-00
K-Wire Pliers
A: 13 cm / 5"
B: 17.5 cm / 7"



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



w/ Speedlock
TUNGSTEN
CARBIDE
for 3.0 / 4.5
Screws / Pins



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



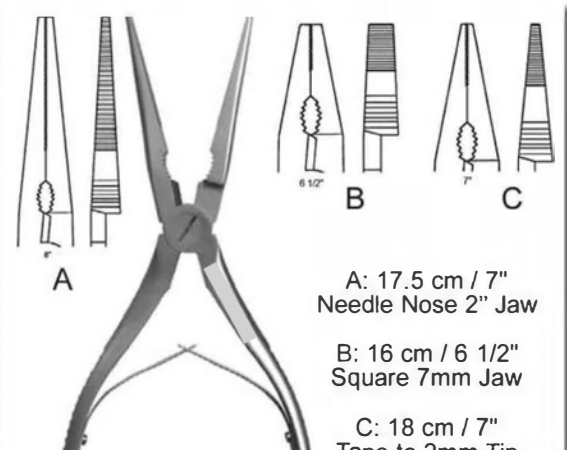
50-235-16
16 cm / 6 1/2"
Flat Nose Pliers
w/ Cutter
for Cerclage Wire



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



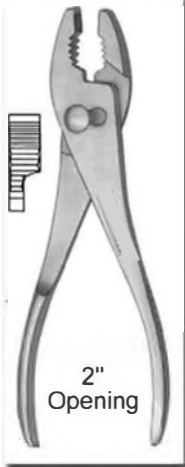
50-238-00
UNIVERSAL Pliers
Serrated w/ Heavyduty Spring and Cutting Edge
Max Cutting Cap: 1.1mm

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

BENDING - PASSERS ETC

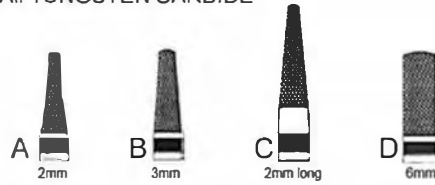


50-239-20
20 cm / 8"
Slip Joint Pliers



50-240-21
21 cm / 8 1/2"
Lineman Pliers

ALL TUNGSTEN CARBIDE



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

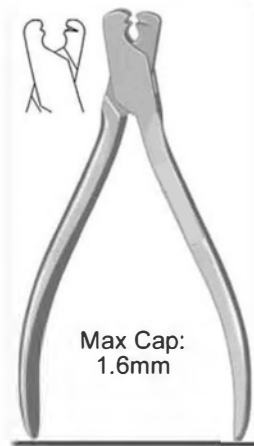
50-241-00
18 cm / 7"
Double Action Wire Extraction Plier



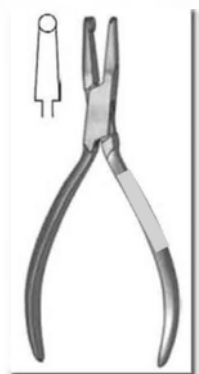
50-242-19 19 cm / 7 1/2" Gratloch Wire Bender



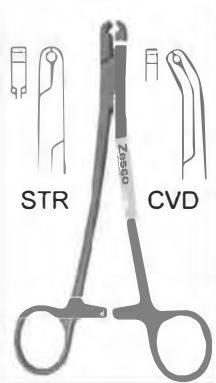
50-243-13
13.5 cm / 5"
K-Wire / Plate Bender



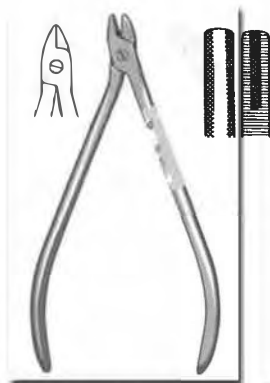
50-244-14
14.5 cm / 5 1/2"
K-Wire / Plate Bender



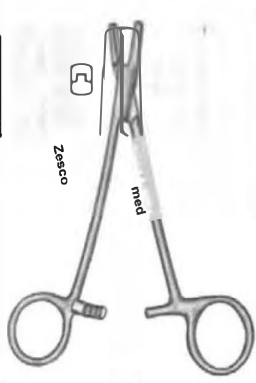
50-245-13
13.5 cm / 5"
Mini Plate
Bending Pliers



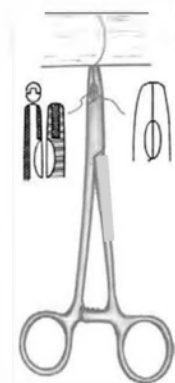
50-246-00
18 cm / 7 1/4"
Rod Holder
A: 4.0mm Rod
B: 4.76mm Rod
C: 6.35mm Rod
Straight or Curved



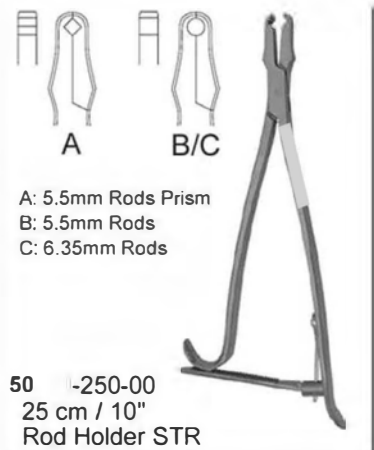
50-247-14
14.5 cm / 5 1/2"
Plate Bending Pliers



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



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

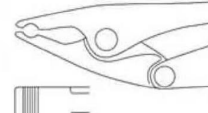


- A: 5.5mm Rods Prism
- B: 5.5mm Rods
- C: 6.35mm Rods

50-250-00
25 cm / 10"
Rod Holder STR



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



BONE WIRE MANAGEMENT



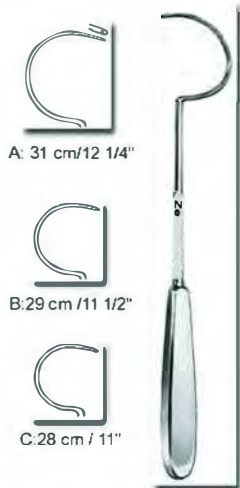
50-252-21
Loute Wire Tightener (21 cm / 8 1/4")



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



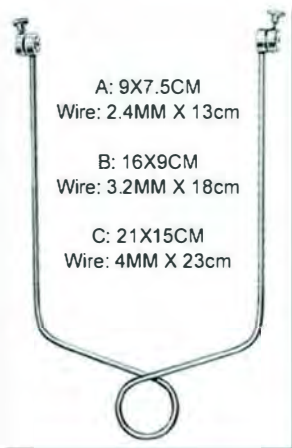
50-257-00
Suture Passer



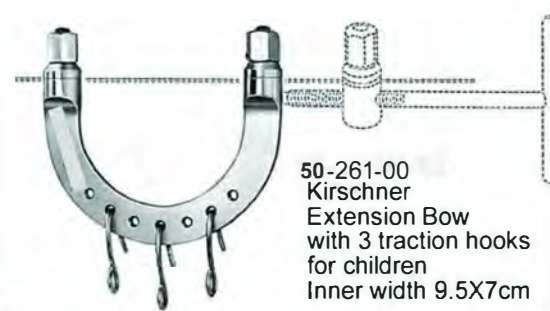
50-258-00
Suture Passer



50-259-00 Deschamps
Ligature Carrier



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



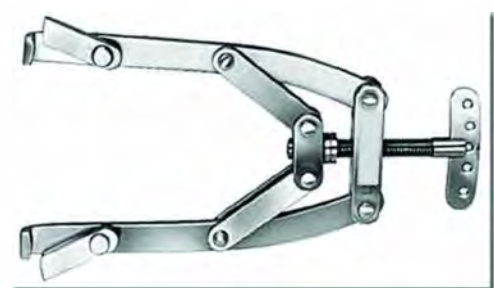
50-261-00
Kirschner
Extension Bow
with 3 traction hooks
for children
Inner width 9.5X7cm

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



50-262-00 (Kirschner) Extension Bow
A: Small: 18.5 cm / 7 1/4"
B: Large: 26.5 cm / 10 1/2"
with 3 traction hooks



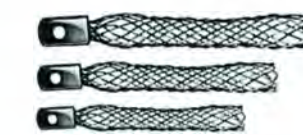
50-263-18
Wire Strainer 18.5 cm / 7 1/4"



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



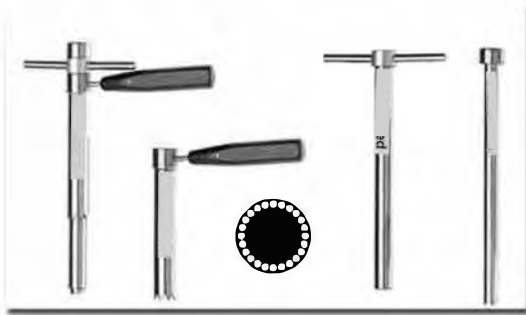
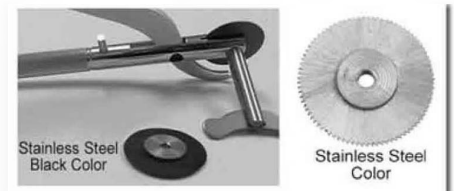
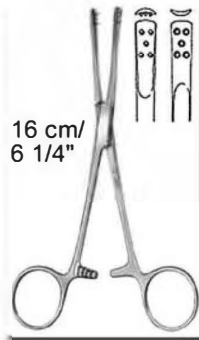
50-266-00 Extension Sleeve
Small / Medium / Large

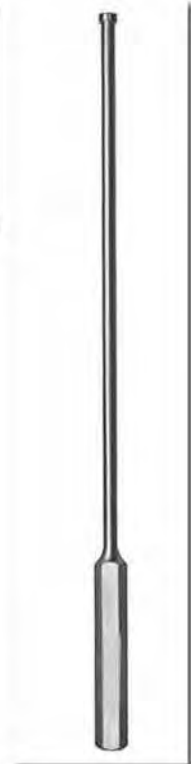
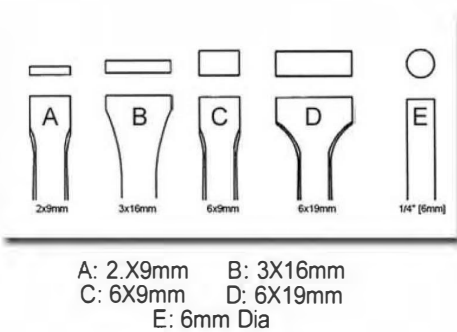
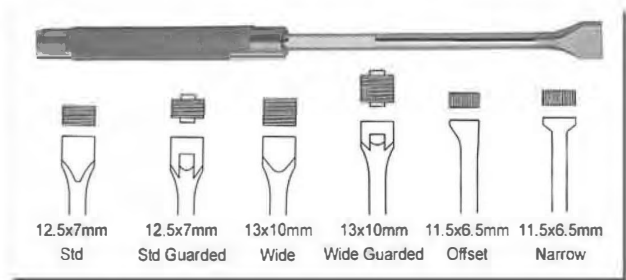
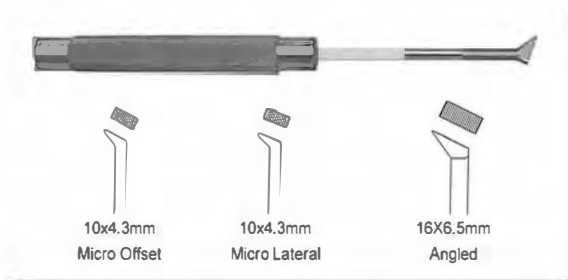


50-267-00 Traction Hook
for Extension Bows



50-268-20
Wrench 20cm / 8"





50-289-43 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



Half Round

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



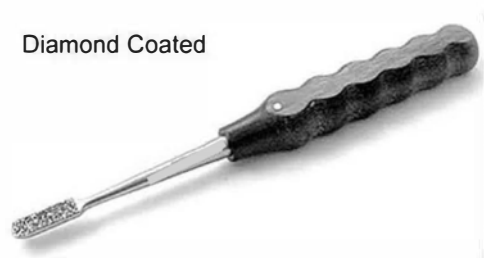
Half Round

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



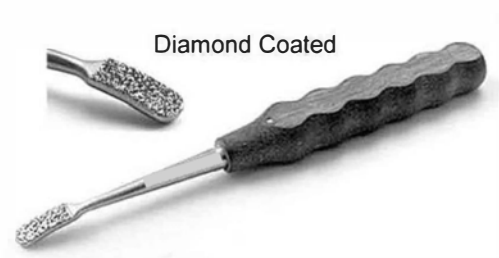
Half Round

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



Diamond Coated

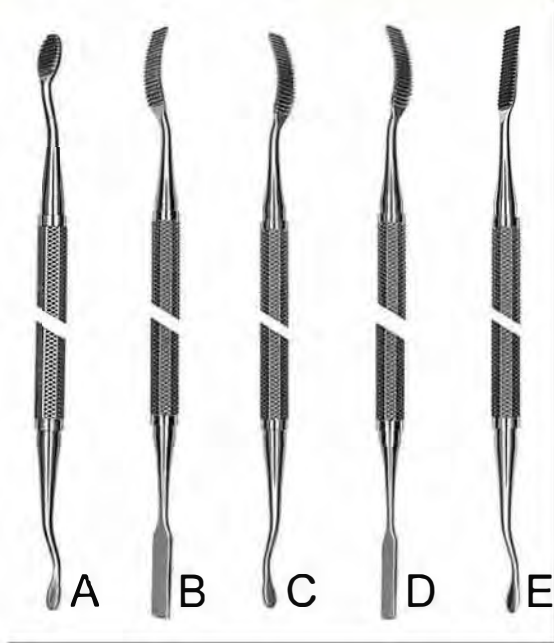
50-301-18 Bone File 18 cm / 7"
Fibre Handle / STR Diamond Coated



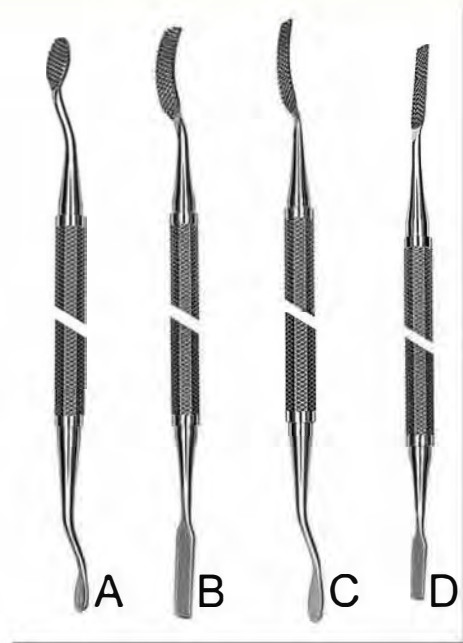
Diamond Coated

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

BONE FILES - RASPS



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



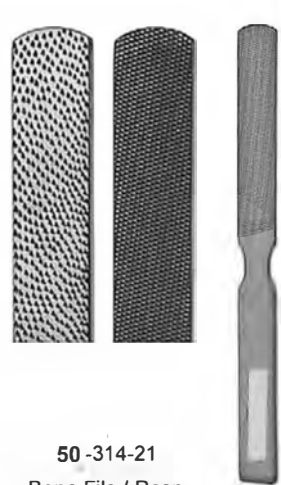
50-311-21
Bone Rasp
Fomon
21 cm / 8.5"
8mmX40mm
Coarse Serr
4 Sided
Flat / Covex Baldes



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



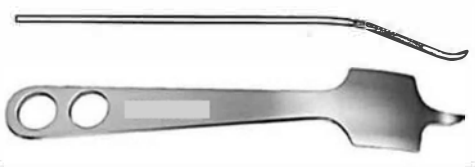
50-315-16 Bone Lever
16 cm / 6 1/4"



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



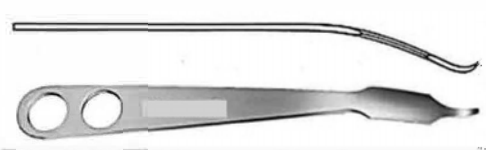
50-317-16 Hohman, Mini Bone Lever 16 cm / 6 1/4" 8 mm tip



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



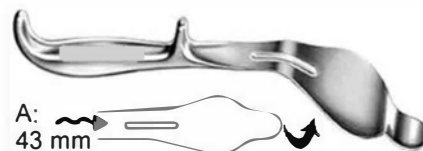
50-323-00
Hohmann Bone Lever
13cm/5" A:3mm B:5mm C:7mm



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



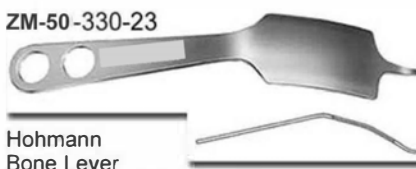
50-329-26 Blount Knee Retractor
26.5 cm / 10 1/2" blunt



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



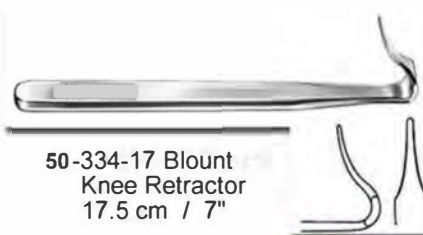
Hohmann Bone
Lever 25 cm / 9 3/4" 70 mm Tip narrow tip



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"

RETRACTORS - BONE LEVERS



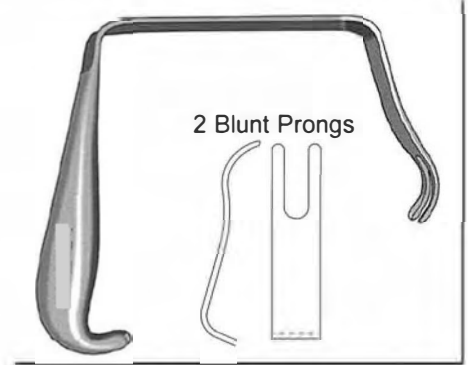
50-335-19 Fukuda Retractor
19 cm / 7 1/2" T Handle



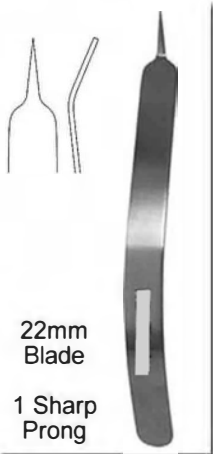
50-336-28 Browne - Deltoid Retractor
28 cm / 11" T Handle w/ Ring



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



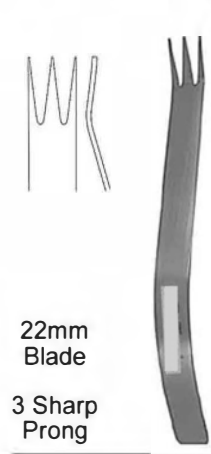
50-338-18 Bristow / Bankart
Humeral Retractor
18 cm / 7"



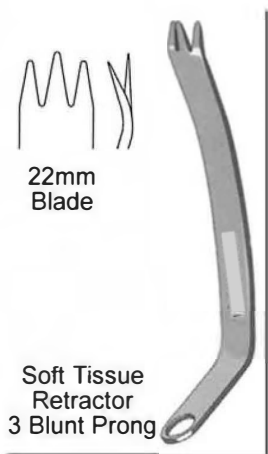
50-339-25
Capsule Retractor
25 cm / 10"



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



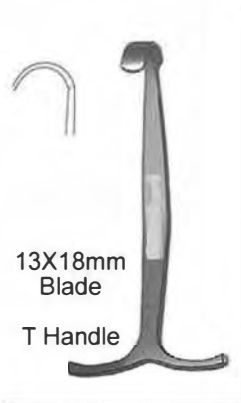
50-341-25
Capsule Retractor
25 cm / 10"



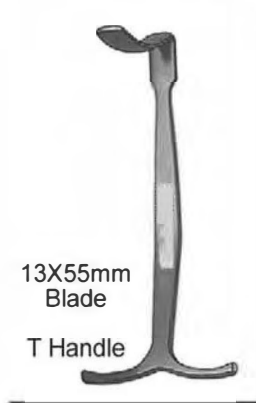
50-342-19
Bristow/Bankart
19 cm / 7 1/2"



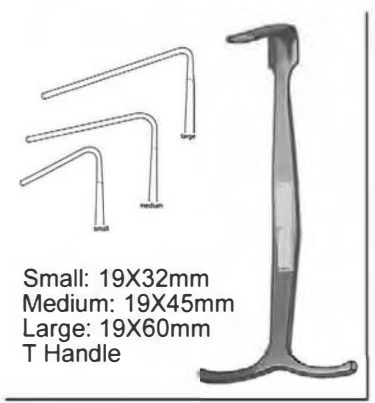
50-343-00
Blade Retractor
19 cm / 7 1/2"



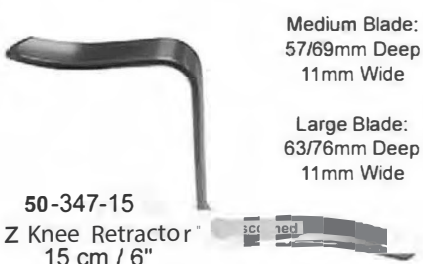
50-344-13
Smillie Retractor
13cm / 5"



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



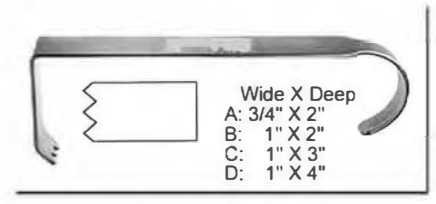
50-346-00
Smillie Retractor
Angled Blade 14cm / 5 1/2"



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

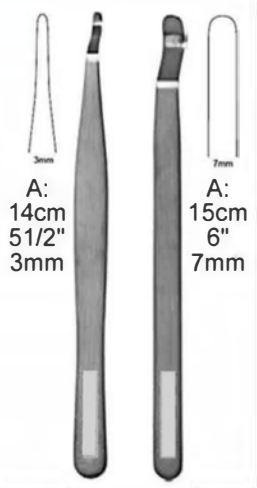


50-348-22
Knee Retractor
22 cm / 8 1/2" Ring Handle

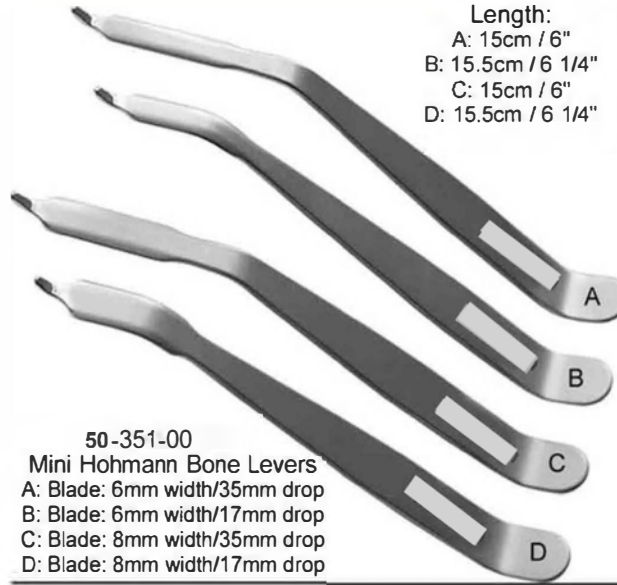


50-349-24
Hibbs Retractor
24 cm / 9 1/2" Sharp Teeth

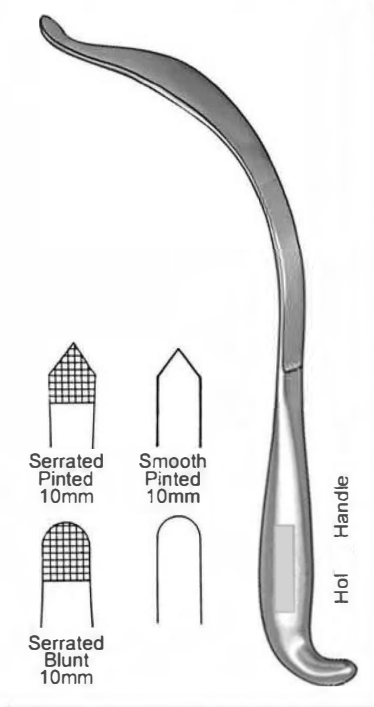
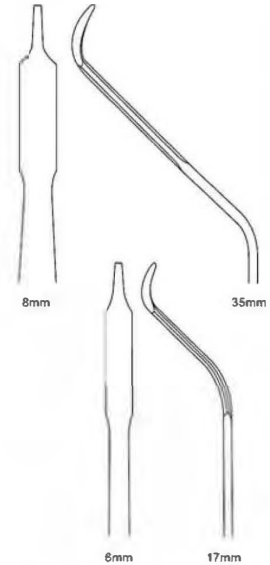
RETRACTORS - BONE LEVERS



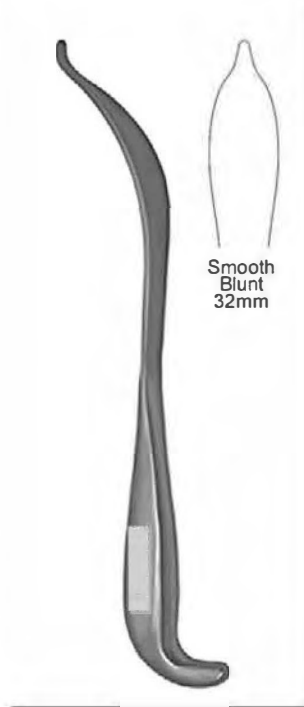
50-350-00
Hayes Retractor



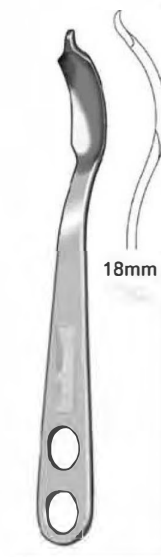
50-351-00
Mini Hohmann Bone Levers
A: Blade: 6mm width/35mm drop
B: Blade: 6mm width/17mm drop
C: Blade: 8mm width/35mm drop
D: Blade: 8mm width/17mm drop



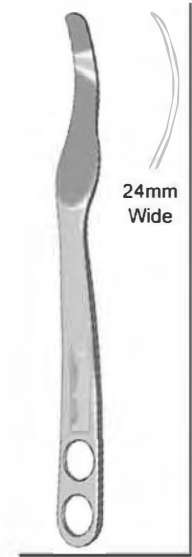
50-352-26
Aufranc Cobra Retractor
A: 26cm / 10 1/2"



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

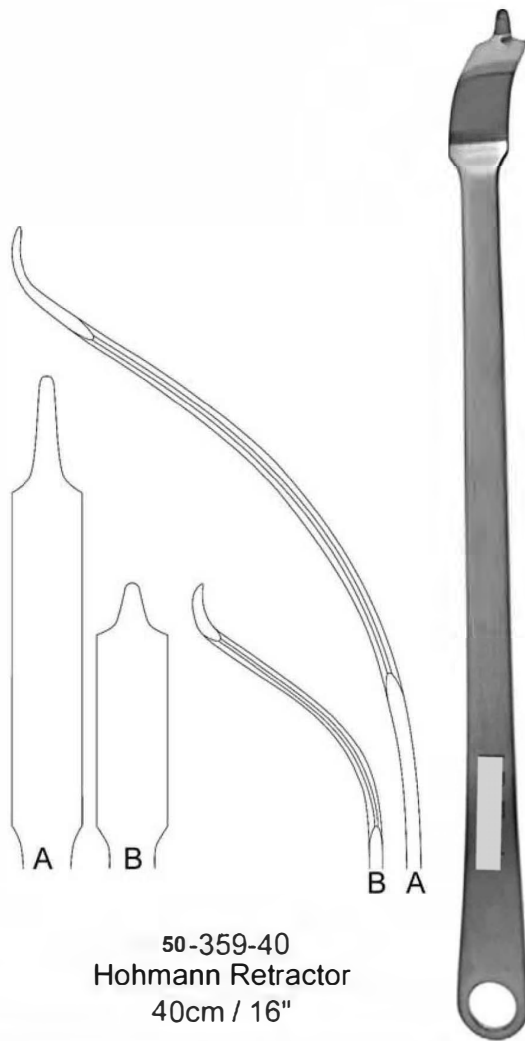
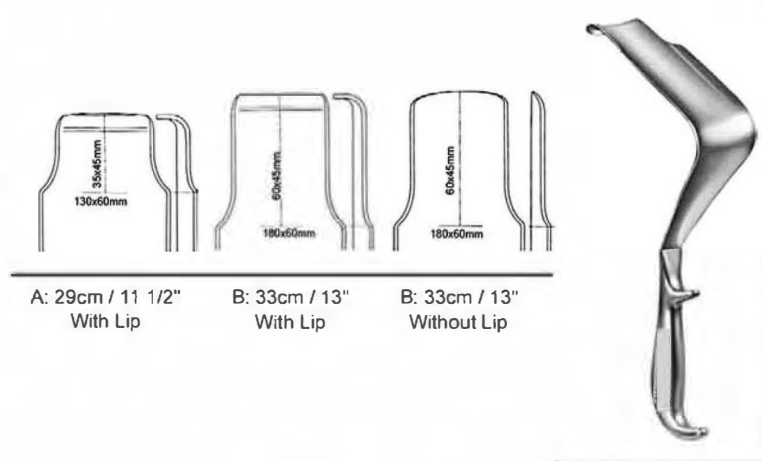
F: 8" X 6mm
G: 8" X 10mm
H: 8" X 12mm
I: 8" X 16mm
J: 8" X 19mm

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

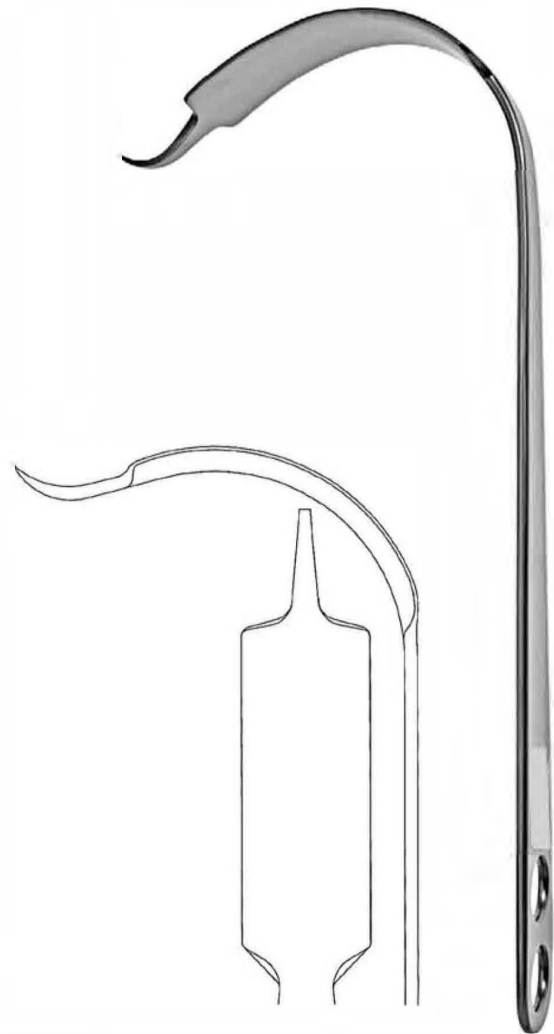
Sizes Available

RETRACTORS - BONE LEVERS

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



- 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 C: 4mm

50-365-00 1/4"
Buckley Gouge
16 cm / 6
octagonal handle

50-369-00
Stout Bone Chisel
21 cm / 8 1/4"
octagonal handle

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
All Tips: 4mm

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

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

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

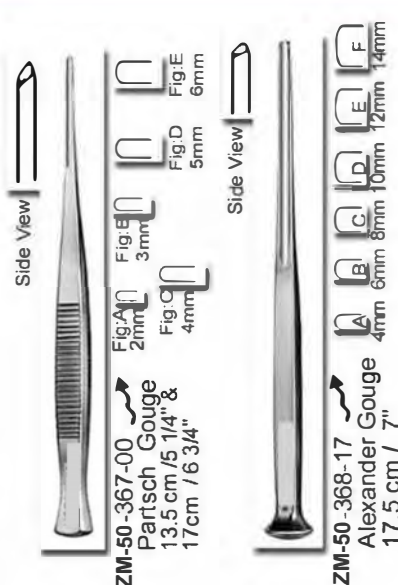
50-366-13
Osteotome
13.5 cm / 5 1/4"

50-370-13
Chisel
13.5 cm / 5 1/4"

50-372-13
Gouge
13.5 cm / 5 1/4"

50-375-
Parts Chisel /

13.5 cm / 5 1/4"
&
17 cm / 6 3/4"



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

Three sizes in Lambotte Mini Osteotome (see below)

Available Tip Sizes

Side View

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

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

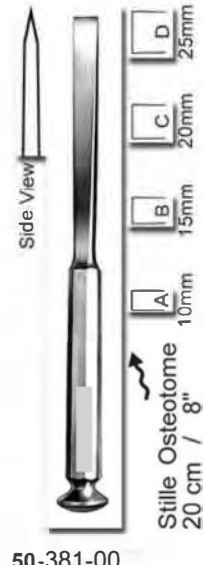
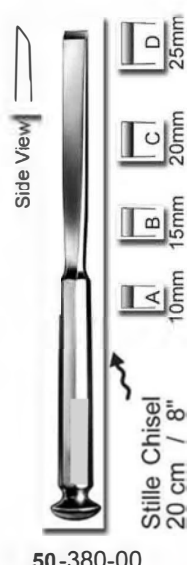
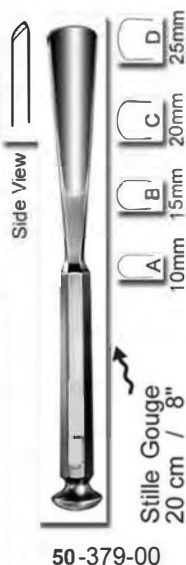
50-377-17 (17 cm / 6 3/4")
Lambotte, Mini Osteotome
3mm / 4mm / 6mm /
8mm / 10mm / 12mm / 15mm

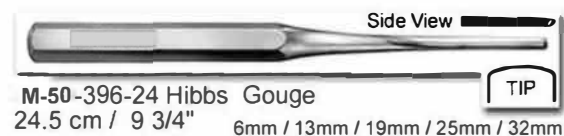
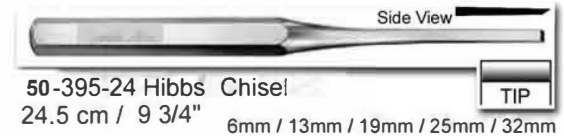
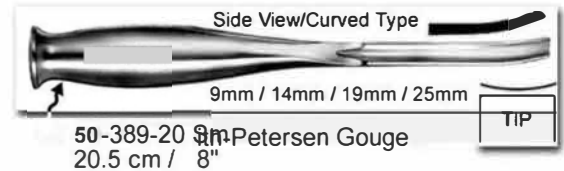
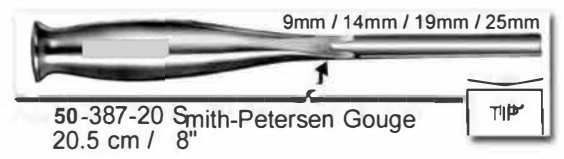
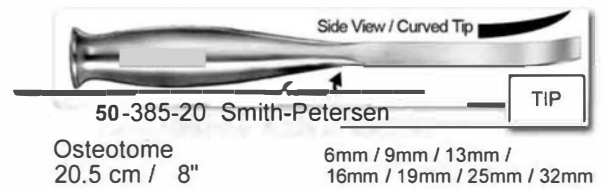
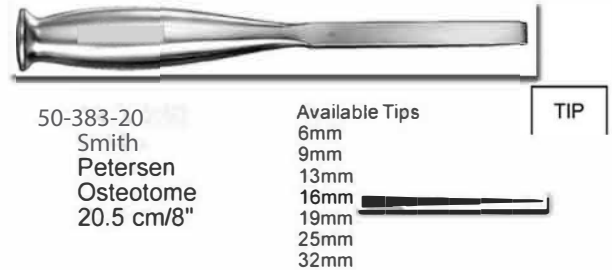
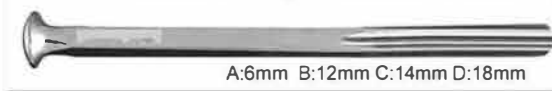
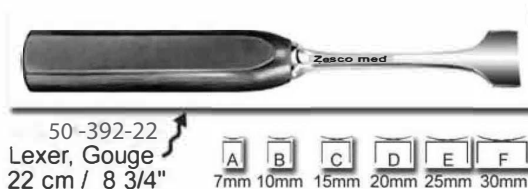
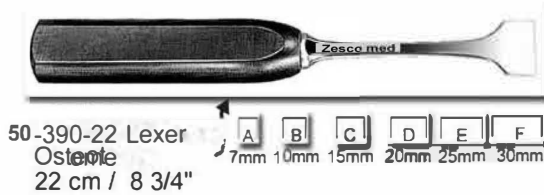
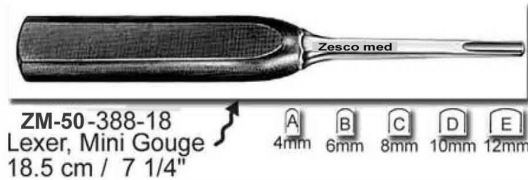
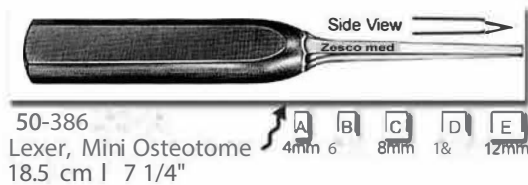
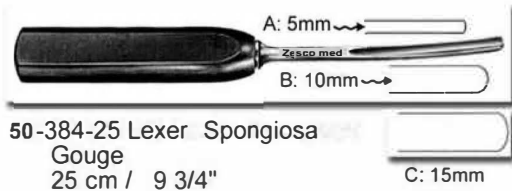
50-378-24
Lambotte,
Osteotome
24 cm / 9 1/2"

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

Other Lambotte
Mini Osteotomes
sizes / Tips

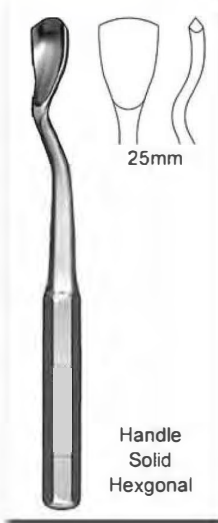
For Image,
please see photo
of above
Osteotome.



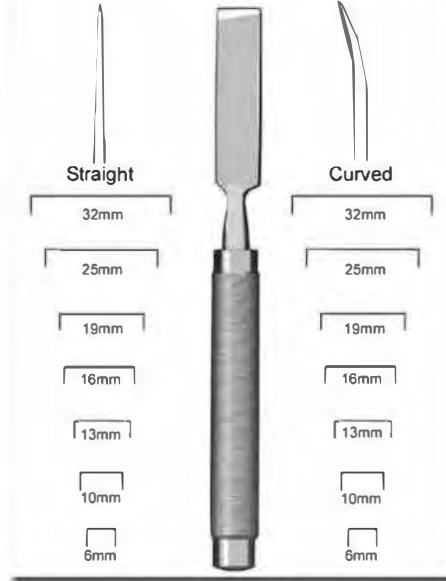




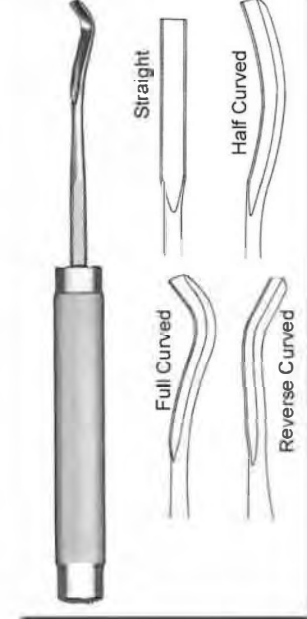
50-402-21
Shoulder Penetrating
Gouge 21cm/8 1/2"



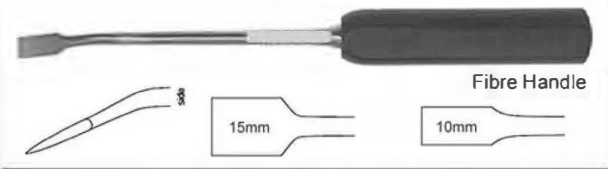
50-403-23
Swan Neck
Gouge 23cm/9"



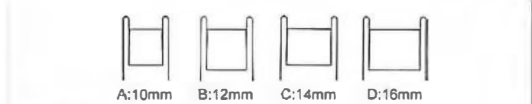
50-404-00
Cobb Osteotome 28cm/11"



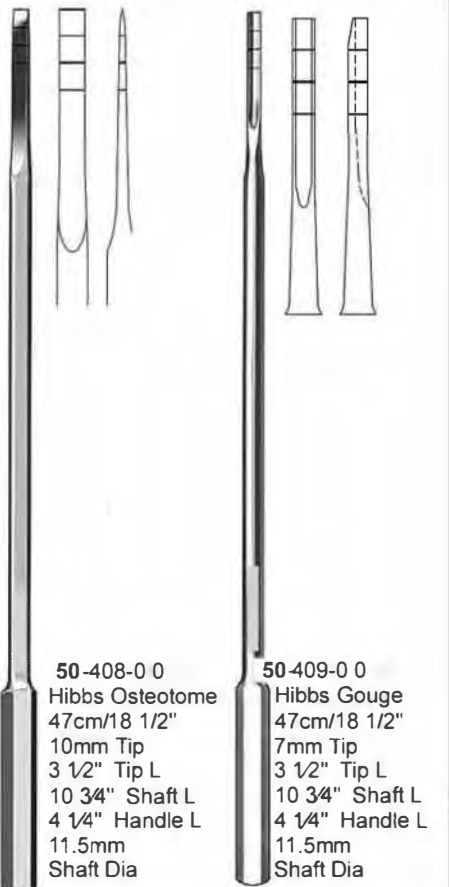
50-405-00
Cobb Gouge 28cm/11"



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



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

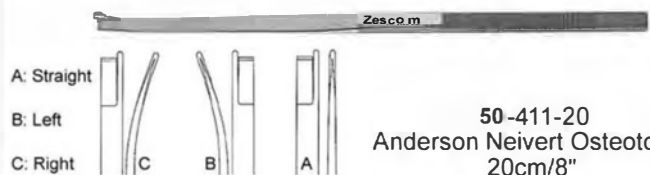


50-408-00
Hibbs Osteotome
47cm/18 1/2"
10mm Tip
3 1/2" Tip L
10 3/4" Shaft L
4 1/4" Handle L
11.5mm
Shaft Dia

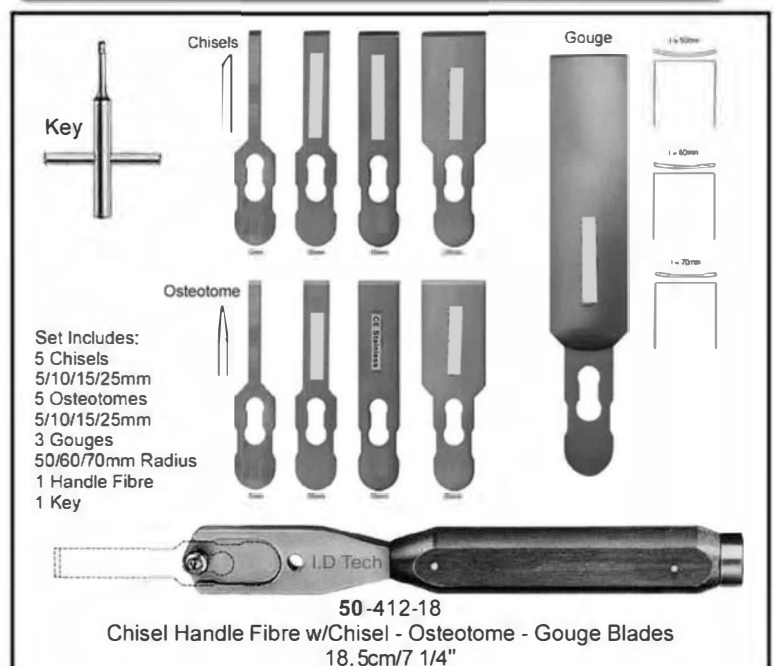
50-409-00
Hibbs Gouge
47cm/18 1/2"
7mm Tip
3 1/2" Tip L
10 3/4" Shaft L
4 1/4" Handle L
11.5mm
Shaft Dia



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



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

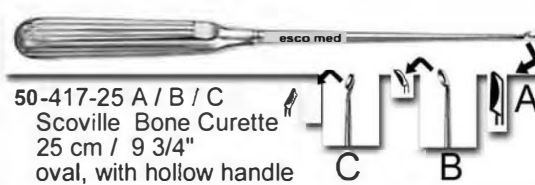
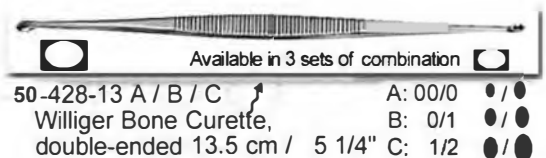
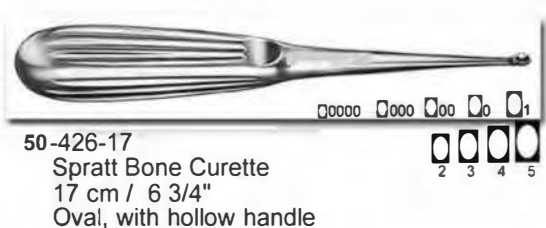
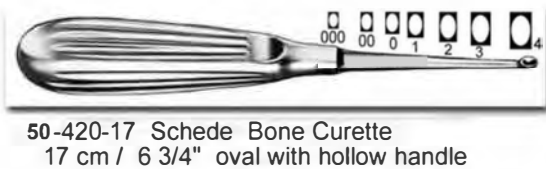
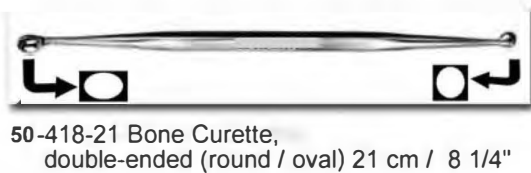


Set Includes:
5 Chisels
5/10/15/25mm
5 Osteotomes
5/10/15/25mm
3 Gouges
50/60/70mm Radius
1 Handle Fibre
1 Key

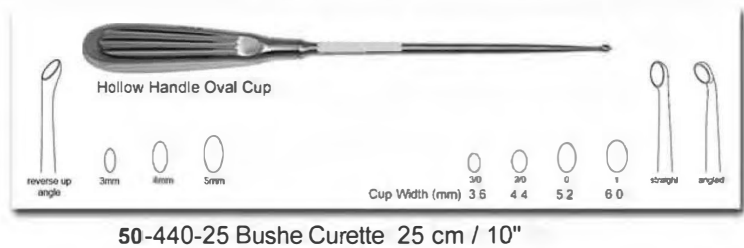
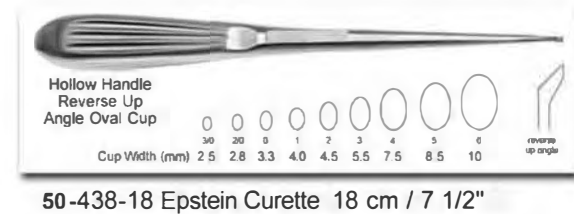
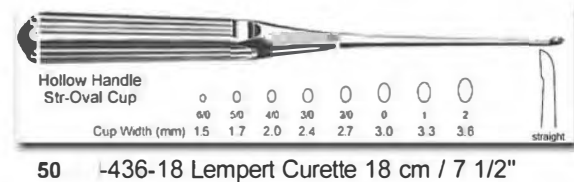
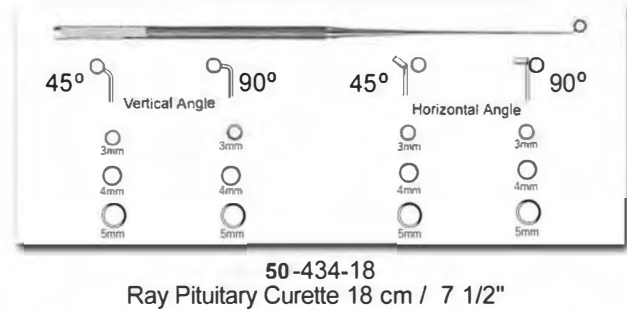
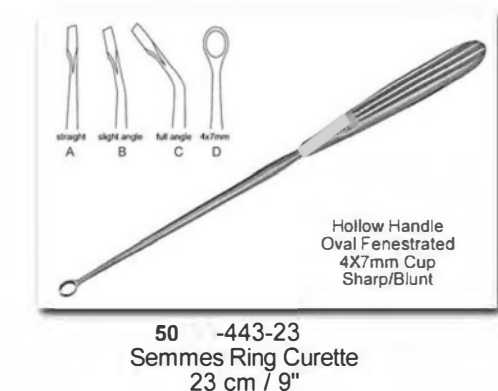
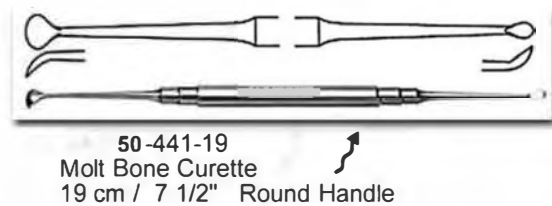
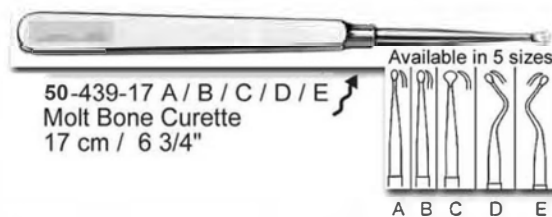
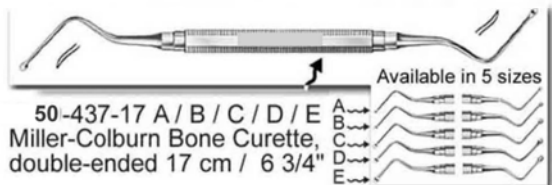
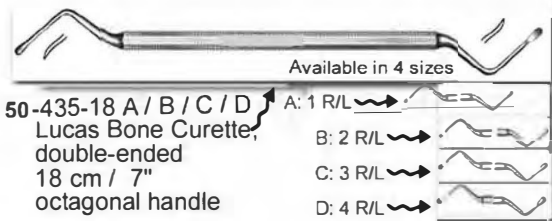
50-412-18

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

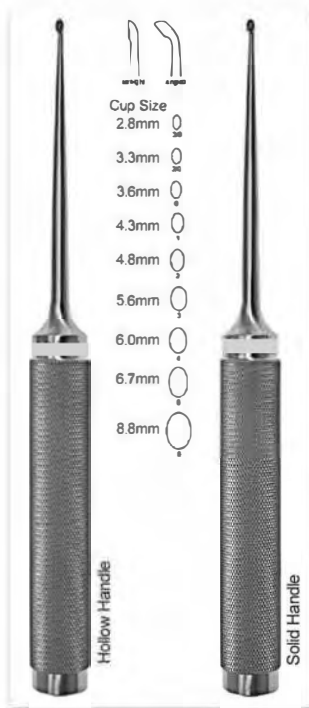
BONE CURETTES



Available in 3 sizes
(Length)
A: 12.5 cm / 5"
B: 14.5 cm / 5 3/4"
C: 17 cm / 6 3/4"



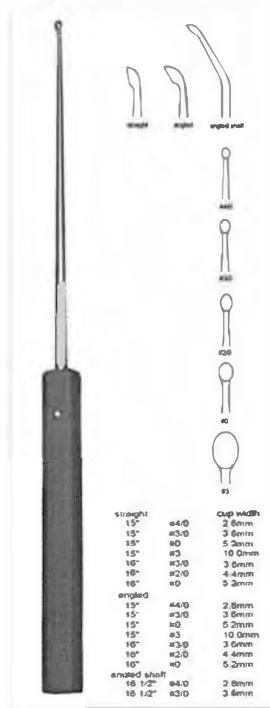
A: 25 cm / 10" #0 6mm Cup
B: 25 cm / 10" #2 8mm Cup
C: 26 cm / 10 1/2" #6 14mm Cup
D: 28 cm / 11 1/2" #0 6mm Cup
E: 28 cm / 11 1/2" #2 8mm Cup
F: 30 cm / 12 1/2" #6 14mm Cup



50-446-28
Cobb Curette Oval Cups
28 cm / 11"



50-447-28
Cobb Curette Oval Cups
28 cm / 11"



50-448-00
Sybert Curette Long Delicate Shaft

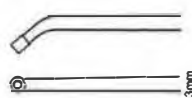
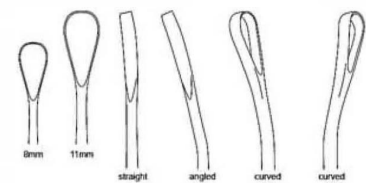


50-449-23 Cone
Ring Curette
23 cm / 9"



- A: Straight 8mm Sharp/Blunt
B: Straight 11mm Sharp/Blunt
C: Angled 8mm Sharp/Sharp
D: Angled 11mm Sharp/Sharp
E: Angled 8mm Sharp/Sharp Right Cvd
F: Angled 11mm Sharp/Sharp Right Cvd
G: Angled 8mm Sharp/Sharp Left Cvd
H: Angled 11mm Sharp/Sharp Left Cvd

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



17" Angled 40°
3mm Diameter
2.7" Tip Length
9.3" Shaft Length
5" Handle Length
.285 (7.2mm)
Shaft Diameter



50-451-00 Cone Ring Curette Endoscopic Fibre Handle



20" Angled 30°
6mm Diameter
3 1/2" Tip Length
10" Shaft Length
6 1/2" Handle Length
.45" (11.5mm)
Shaft Diameter



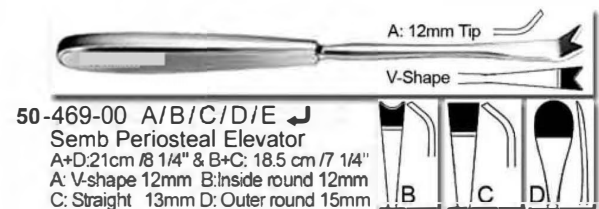
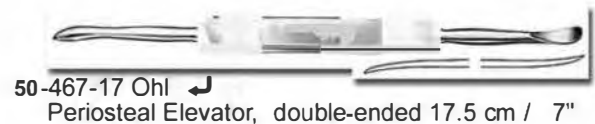
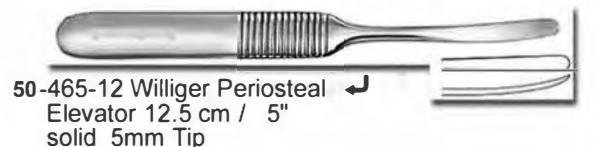
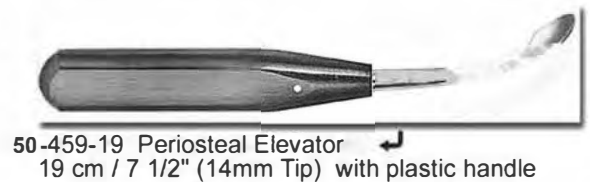
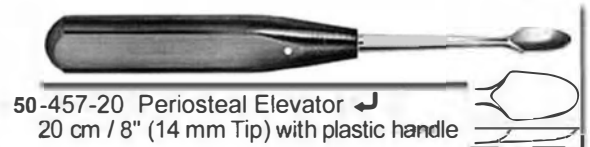
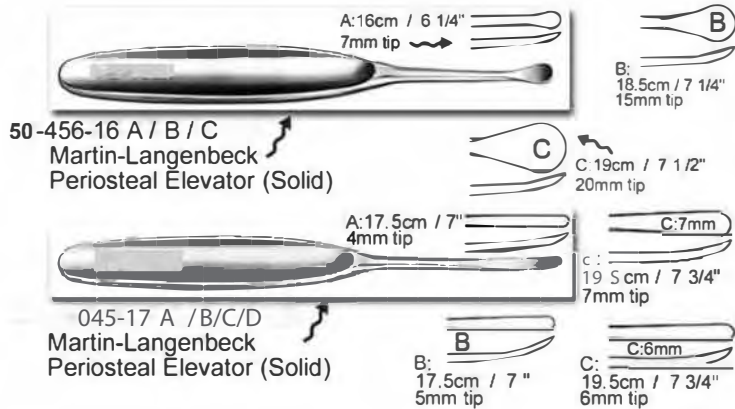
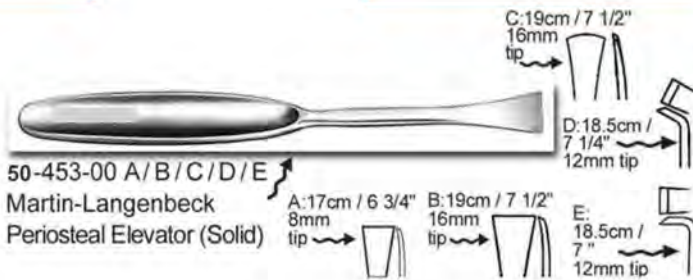
17" Reverse
Angled 40°
3mm x 6mm cup
2.7" Tip Length
9.3" Shaft Length
5" Handle Length
.285 (7.2mm)
Shaft Diameter

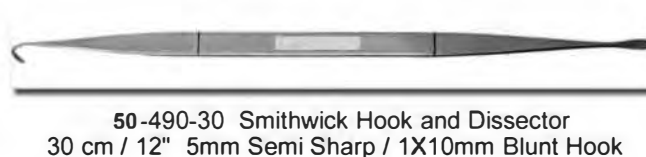
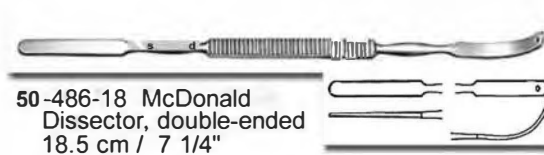
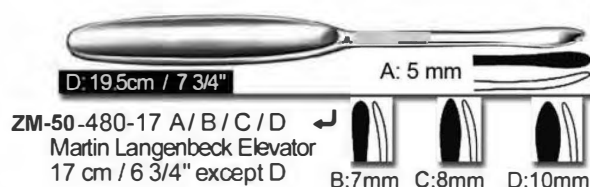
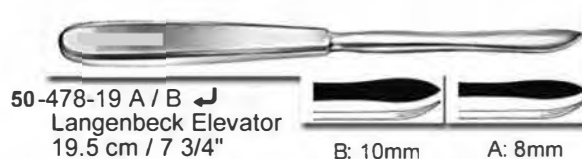
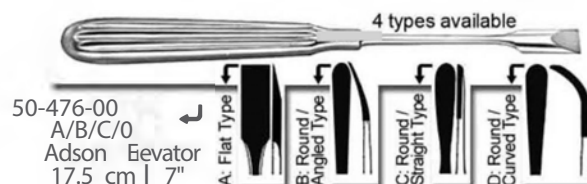
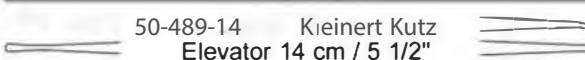
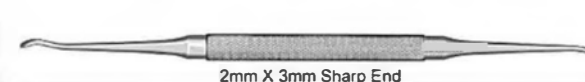
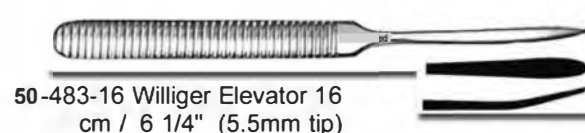
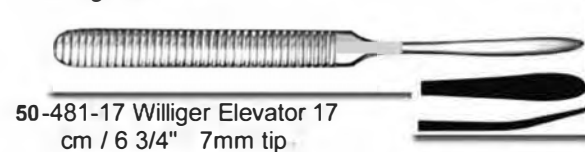
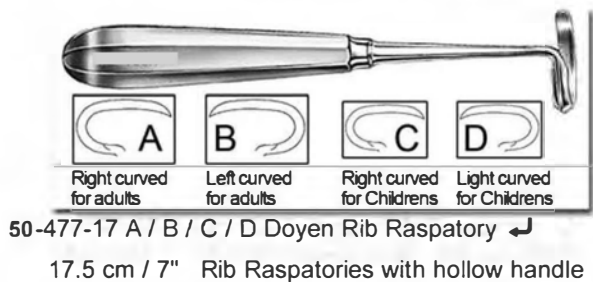


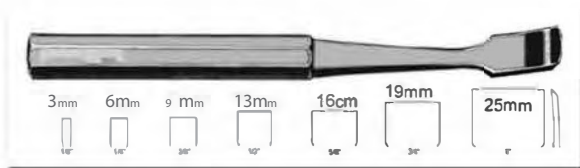
50-452-00 Epstein Curette Endoscopic Fibre Handle



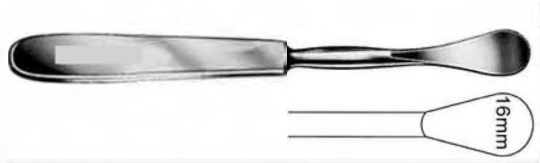
20" Reverse
Angled 30°
6mm x 9mm cup
3 1/2" Tip Length
10" Shaft Length
6 1/2" Handle Length
.45 (7.2mm)
Shaft Diameter







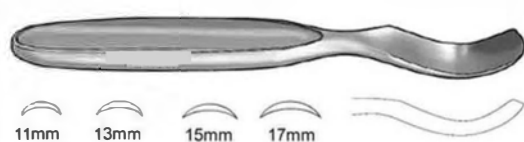
50-492-19 Key Elevator 19 cm / 7 1/2" Sharp Edge



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



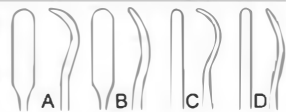
50-495-17 Kirmission Periosteal Respiratory 17 cm / 6 3/4"



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



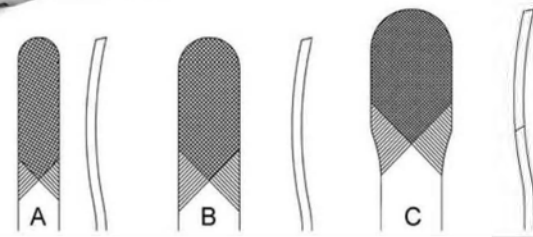
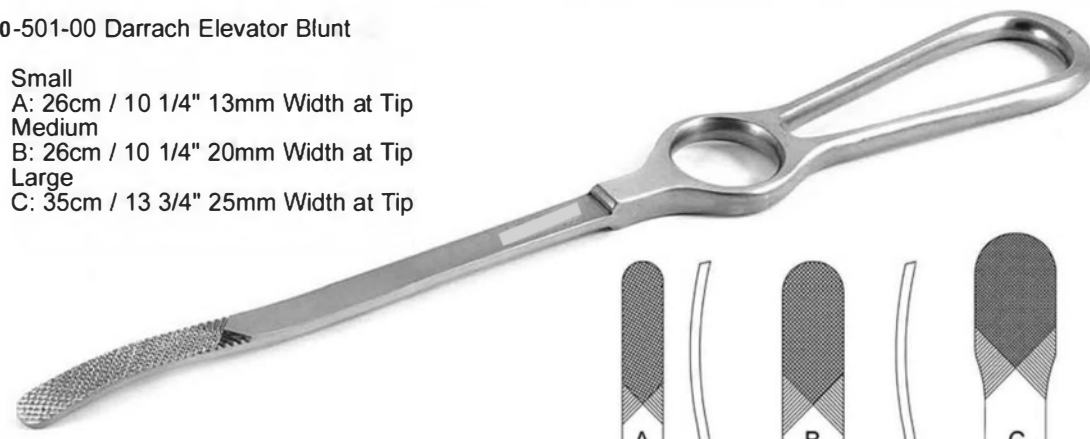
50-500-00 Chandler Elevator Blunt

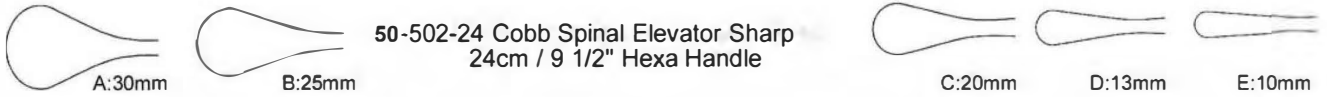
A: 19cm / 7 1/2" 13mm B: 20cm / 8" 19mm
C: 23cm / 9" 25mm D: 25.5cm / 10" 30mm



50-501-00 Darrach Elevator Blunt

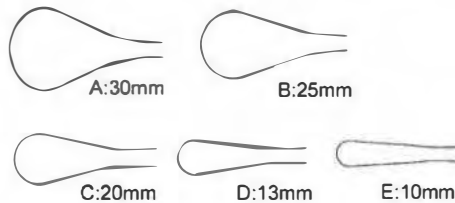
Small
A: 26cm / 10 1/4" 13mm Width at Tip
Medium
B: 26cm / 10 1/4" 20mm Width at Tip
Large
C: 35cm / 13 3/4" 25mm Width at Tip



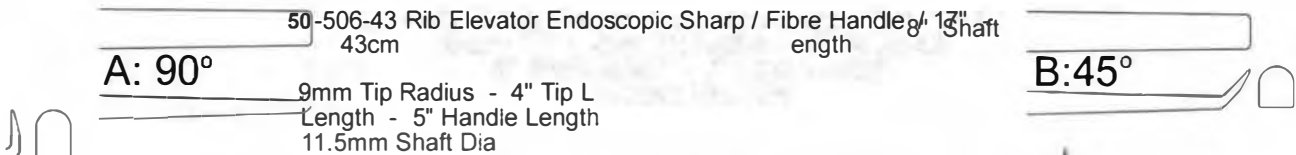
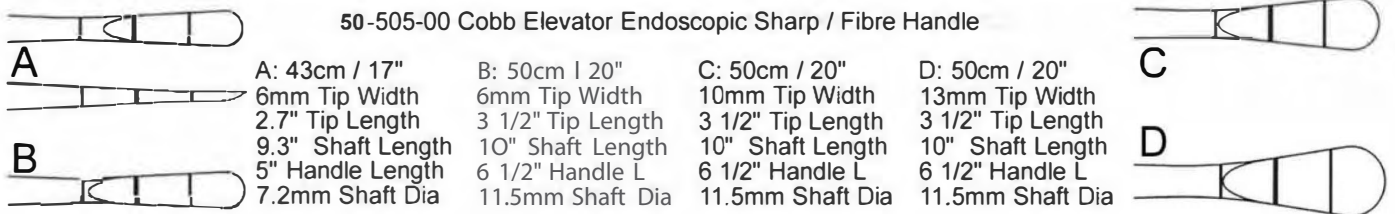


Also Available
in Fibre Handle

with Same
Sizes
of Blades



50-504-28 Cobb Spinal Elevator Sharp
28cm 11" Knurled Handle



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



BONE MALLETS

**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)



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)



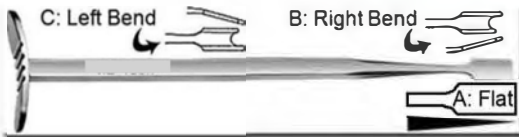
50-534-20 Narrow Tip Mallet 20cm / 8"
Head Dia 7mm Weight 6oz. (170gm)



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)



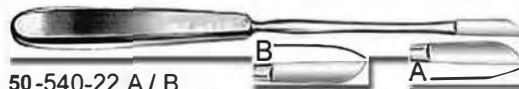
50-537-28 He-Man Mallet 28cm / 11"
Head Dia 38mm / 24mm
Weight 2lb (906gm)



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



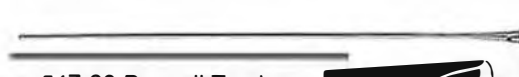
50-544-33 Tendon Passing
Instrument 33.5 cm | 13 1/4"



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



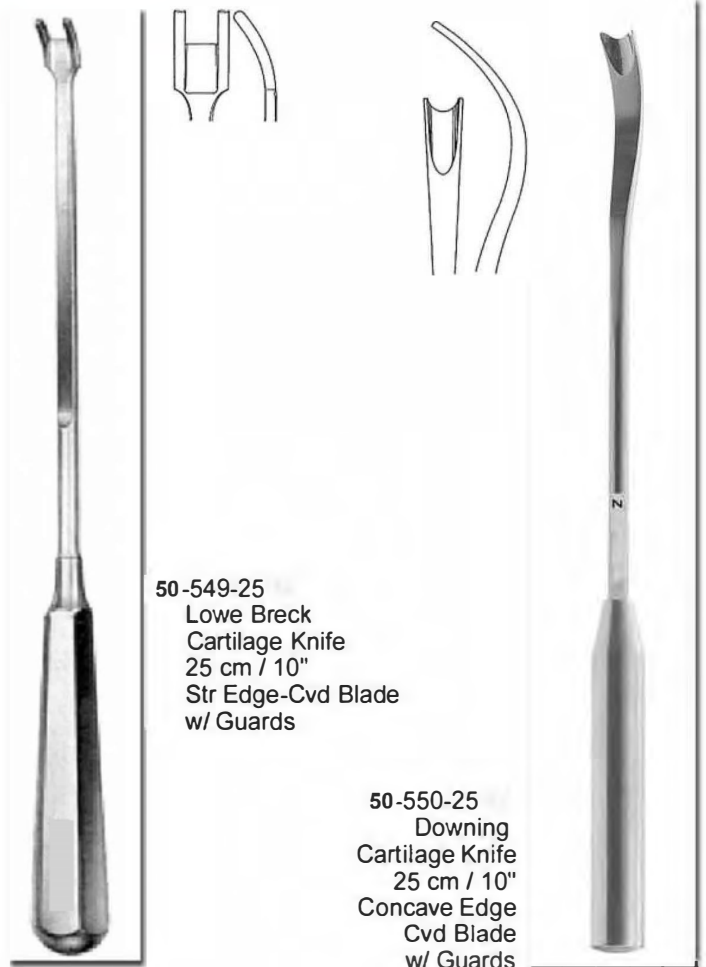
50-546-28 Tendon Stripper 3 / 4 / 5 / 6mm
A: 28.5 cm / 11 1/4" B: 60 cm / 24"



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



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

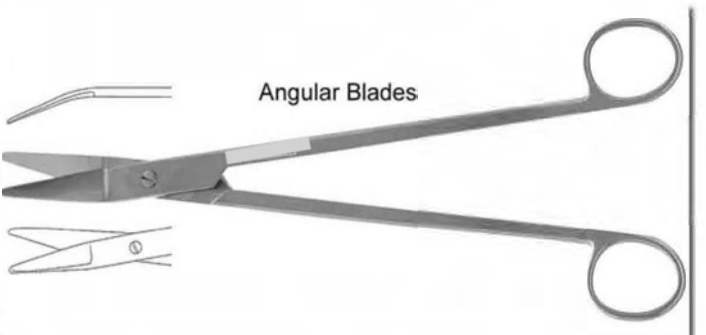


50-549-25
Lowe Breck
Cartilage Knife
25 cm / 10"
Str Edge-Cvd Blade
w/ Guards

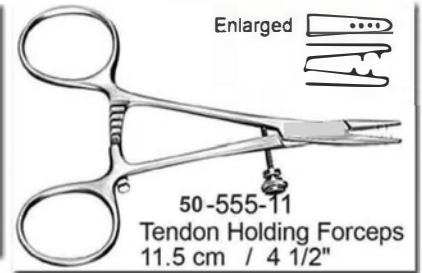
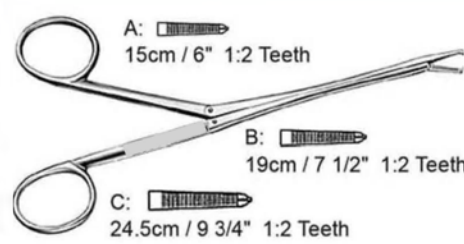
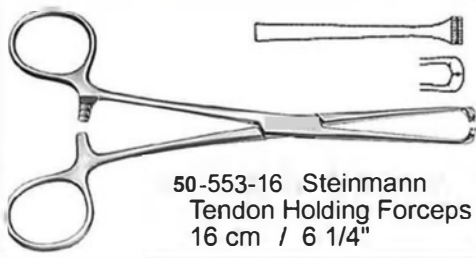
50-550-25
Downing
Cartilage Knife
25 cm / 10"
Concave Edge
Cvd Blade
w/ Guards



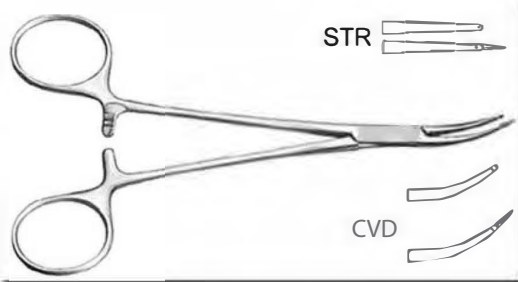
50-551-20 Martin Cartilage Scissors 20cm / 8"



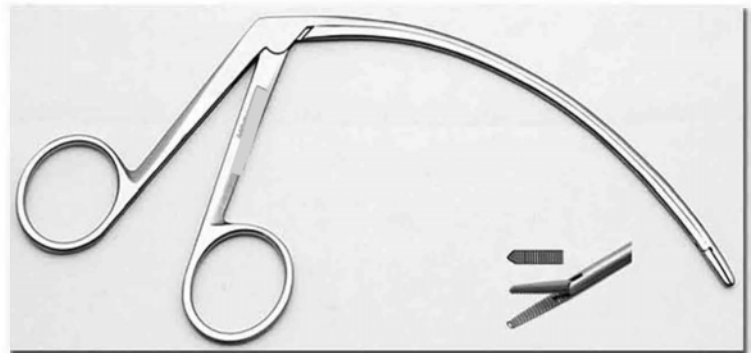
50-552-24 Mueller Capsule Scissors 24cm / 9 1/2"



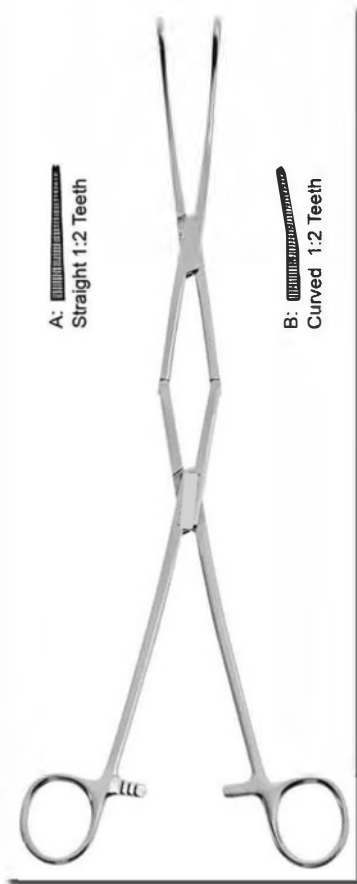
50-554-00 A / B / C
Brand Tendon Tunnelling Forceps



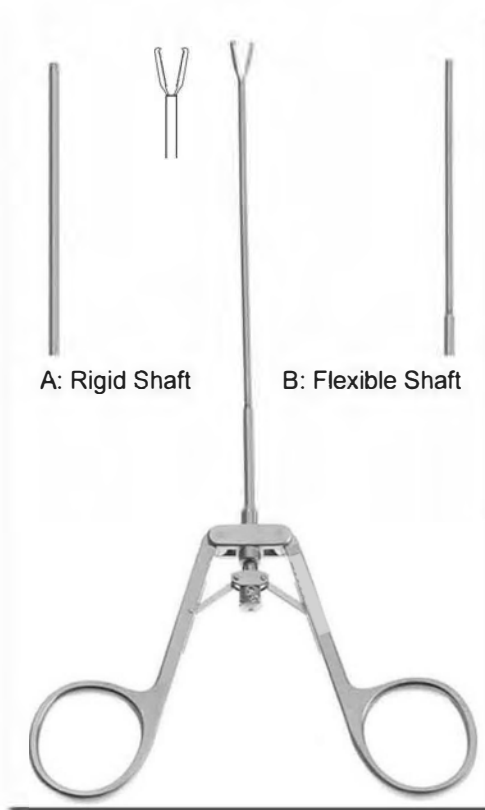
50-556 Tendon Interlacing Forceps
15.5 cm / 6" Pointed



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



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

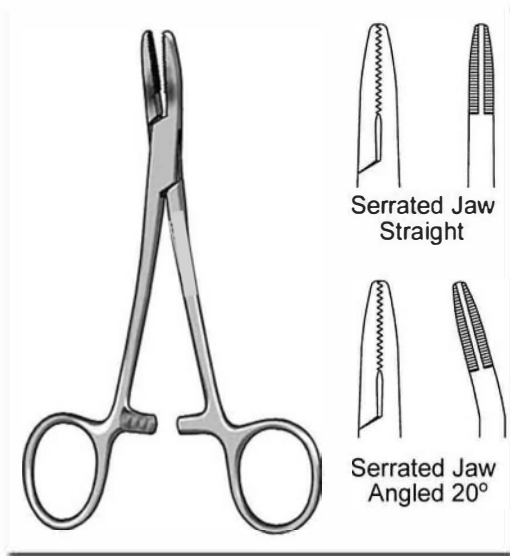


50-559
Kleinert-Kutz Tendon Holding Forceps
21 cm | 8 1/4" 1X2 teeth

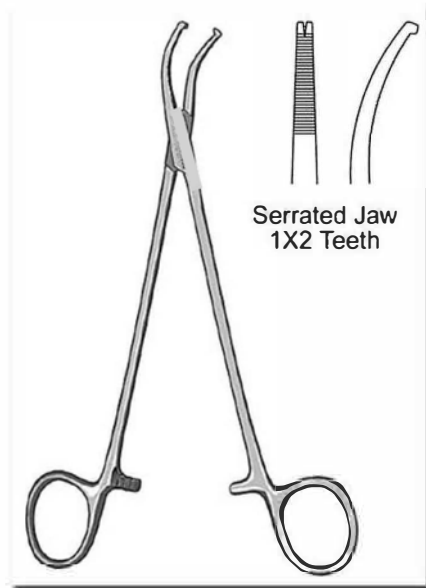


50-560-14
Hoen Grasping Forceps
14 cm | 5 1/2" (Shaft)
1X2 teeth

BONE GRASPERS - MENISCUS CLAMPS



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"

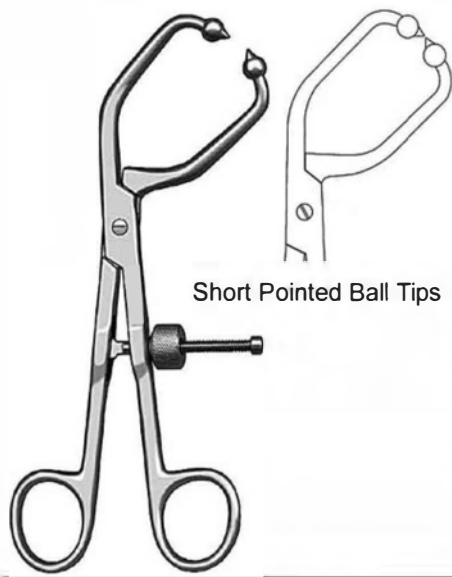


Straight

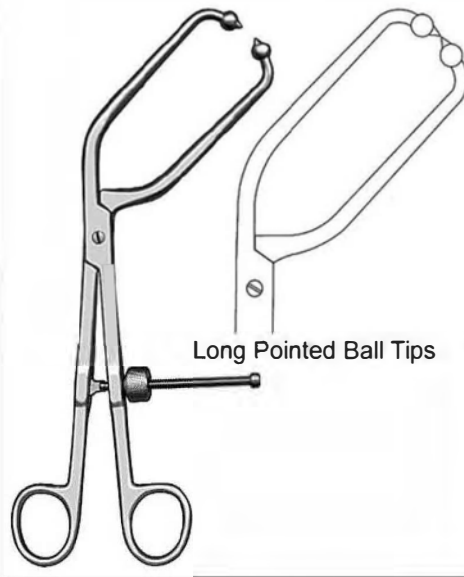


Angled

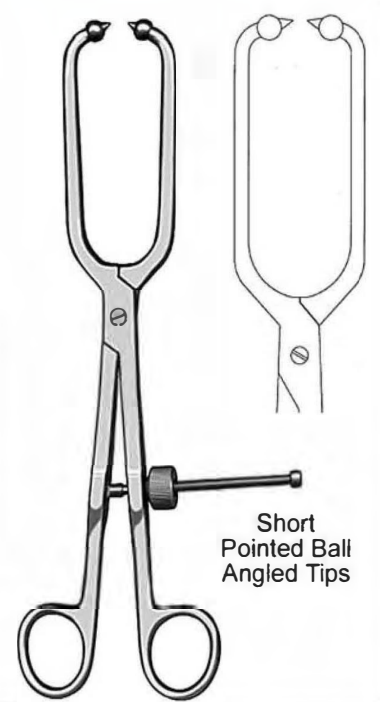
50-563-21
Ortho Grasper 21 cm / 8 1/2"
7 X 20 MM Bite



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



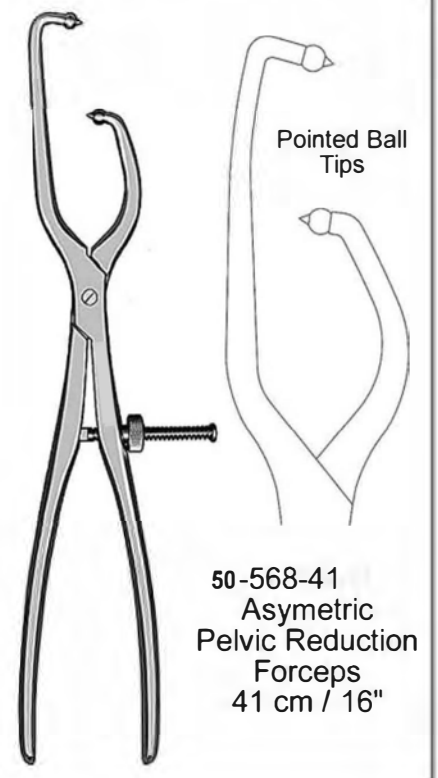
50-566-25
Pelvic Reduction Forceps
25 cm / 10"



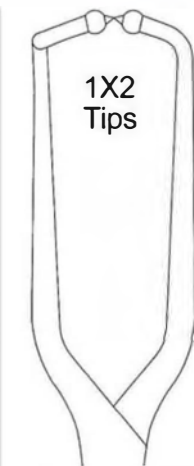
50-567-00
Pelvic Reduction Forceps

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

Long
Pointed Ball Tips



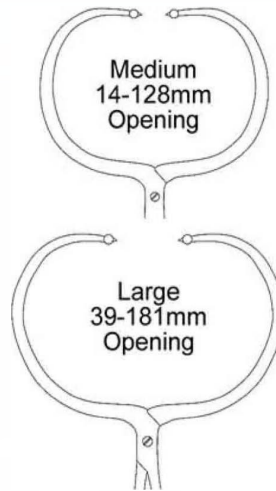
50-568-41
Asymmetric
Pelvic Reduction
Forceps
41 cm / 16"



1X2
Tips



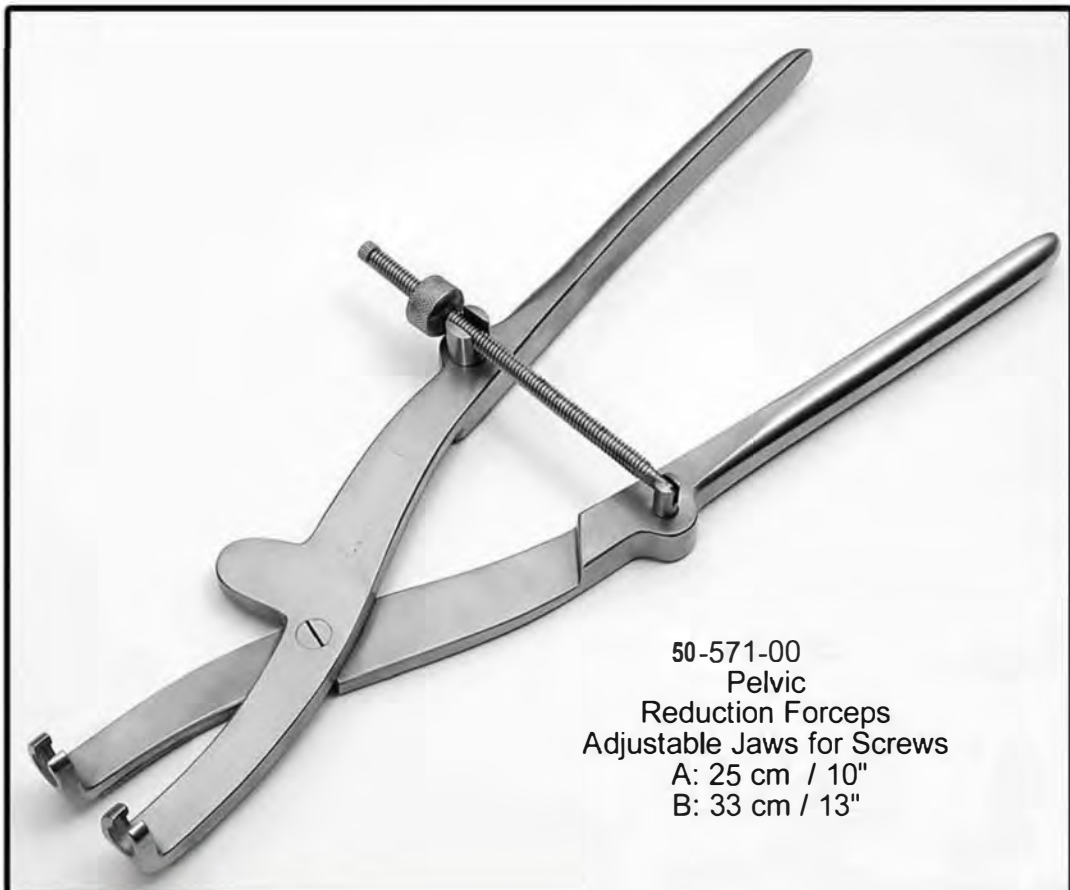
50-569-41
Pelvic Reduction Forceps
Long 1X2
Pointed Ball Tips
41 cm / 16"



Medium
14-128mm
Opening

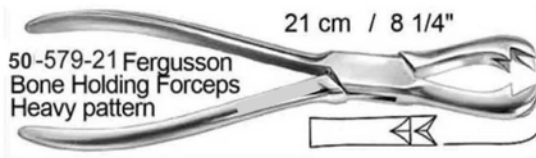
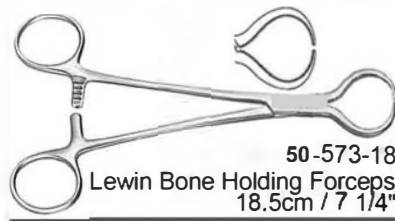
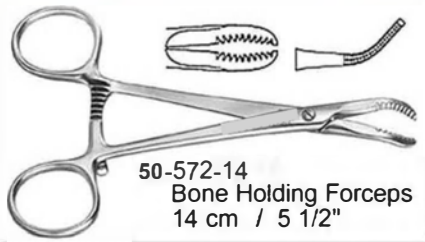
Large
39-181mm
Opening

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

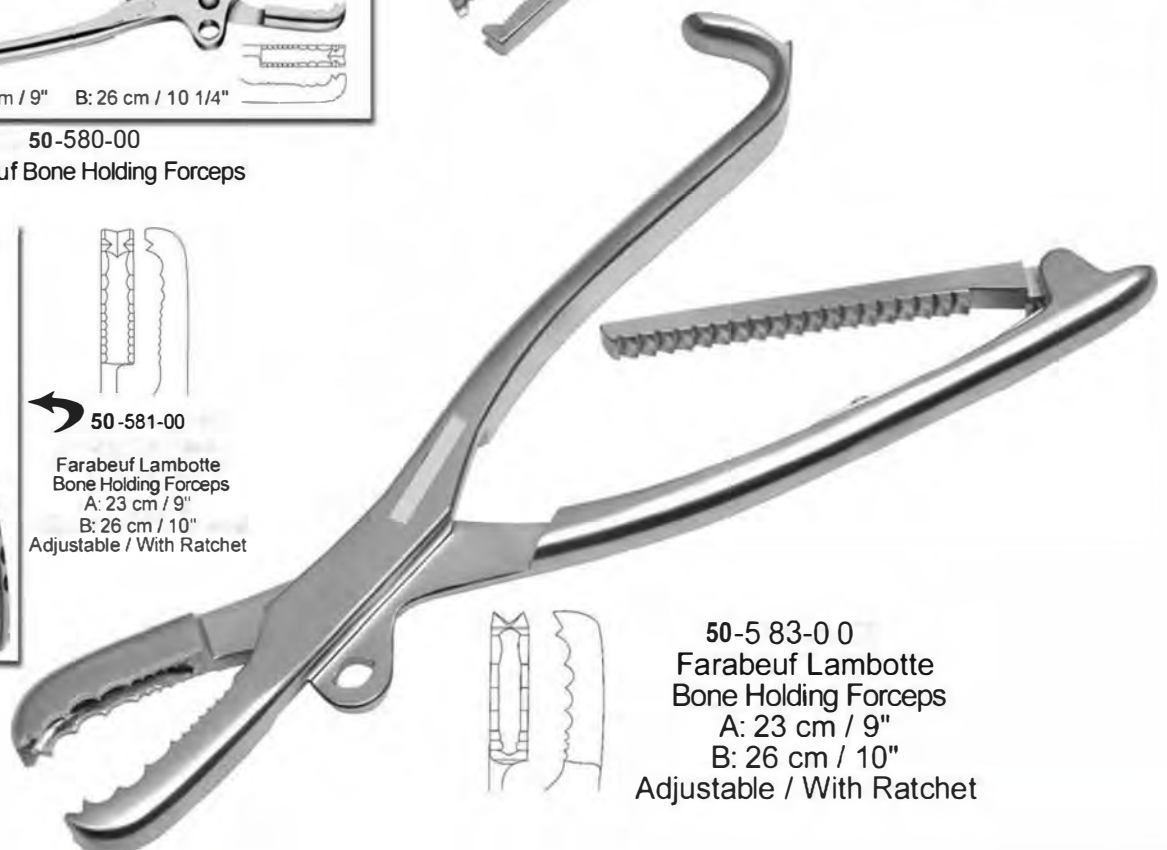


50-571-00
Pelvic
Reduction Forceps
Adjustable Jaws for Screws
A: 25 cm / 10"
B: 33 cm / 13"

BONE HOLDING FORCEPS



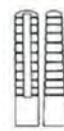
50-580-00
Farabeuf Bone Holding Forceps



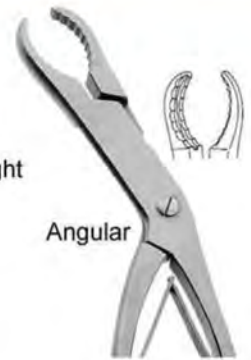
BONE HOLDING FORCEPS



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"



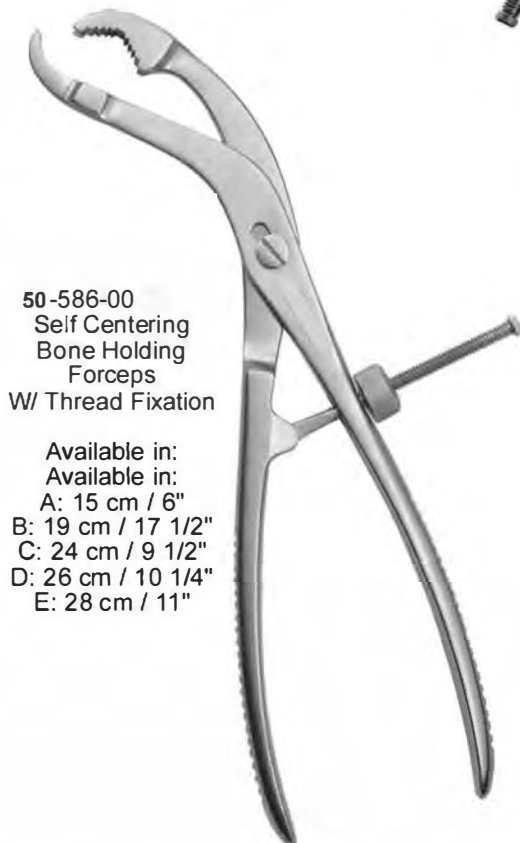
Straight



Angular

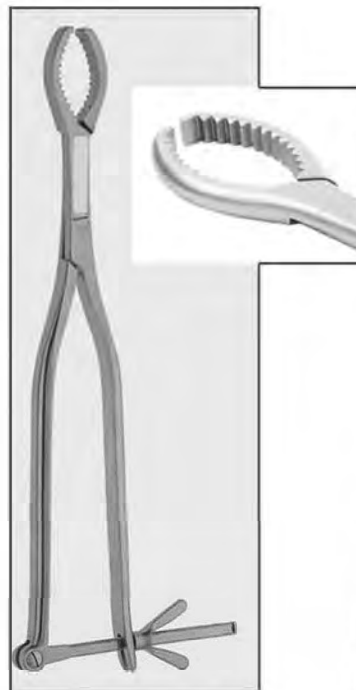
50-587-00
Ulrich
Bone Holding
Forceps
w/ Thread Fixation
A: 23 cm / 9"
A: 25 cm / 9 3/4"
A: 28 cm / 11"

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



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

Available in:
Available in:
A: 15 cm / 6"
B: 19 cm / 7 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"

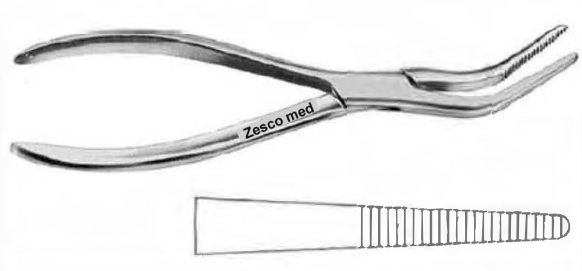
50-588-00B
without
Ratchet



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"



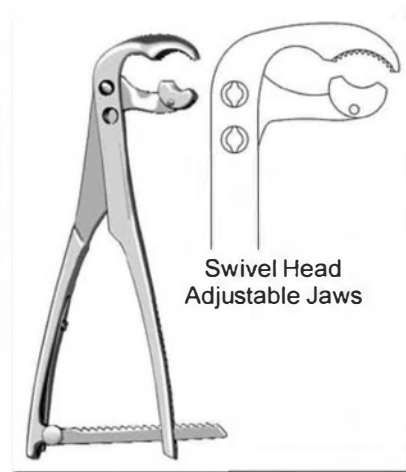
50-591-21
Van Buren Bone Holding Forceps 21.5 cm / 8 1/2"

A:
17cm
6 3/4"
0.9mm

B:
13cm
5 1/4"
1.6mm



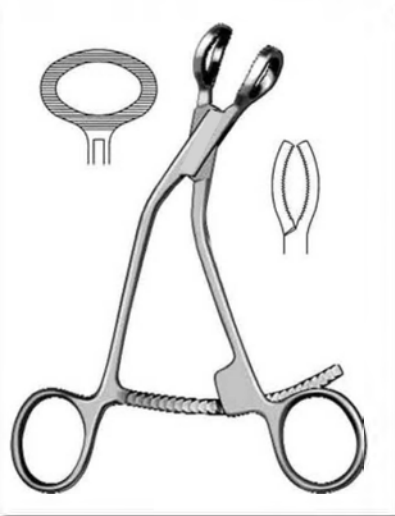
50-592-00
Bone Holding Forceps



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"

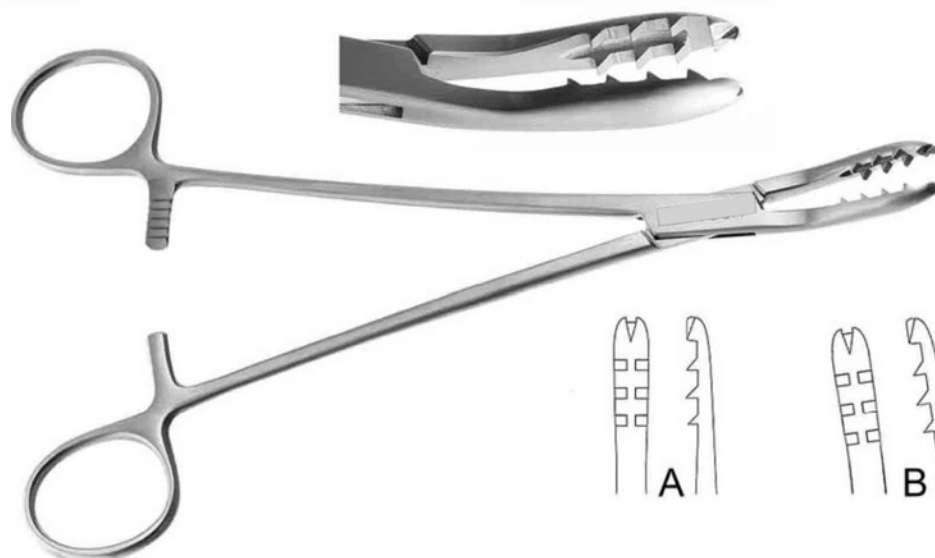


1X2 Prong

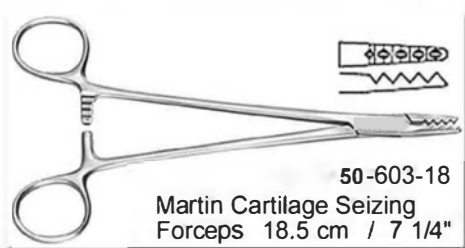


2X2 Prong

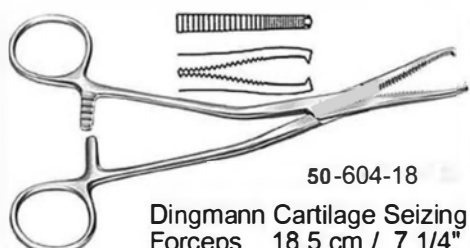
50-596-18
Patella Forceps
18 cm / 7"



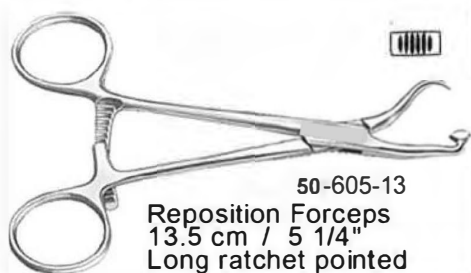
50-602-00
Walton
Cartilage Seizing Forceps
20.5 cm / 8"
A: Straight
B: Upward Cvd
C: Sideward Cvd



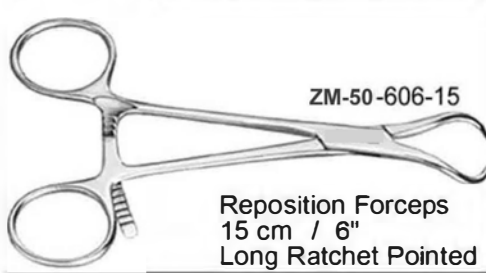
50-603-18
Martin Cartilage Seizing
Forceps 18.5 cm / 7 1/4"



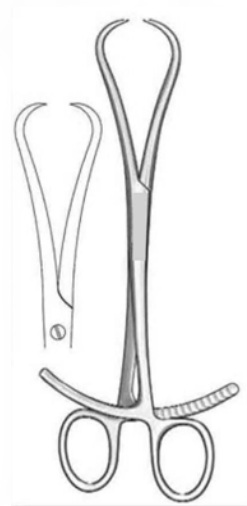
50-604-18
Dingmann Cartilage Seizing
Forceps 18.5 cm / 7 1/4"



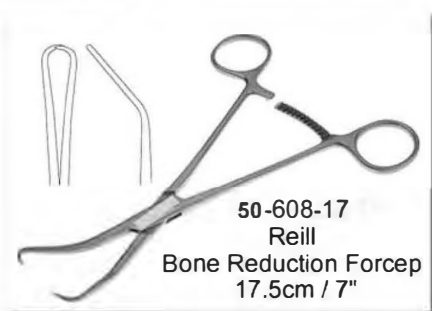
50-605-13
Reposition Forceps
13.5 cm / 5 1/4"
Long ratchet pointed



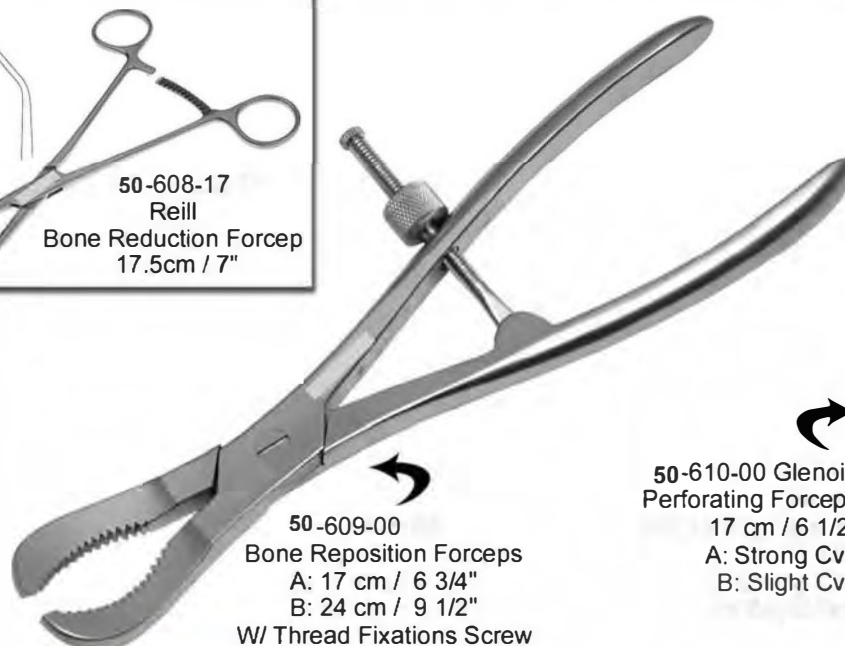
ZM-50-606-15
Reposition Forceps
15 cm / 6"
Long Ratchet Pointed



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

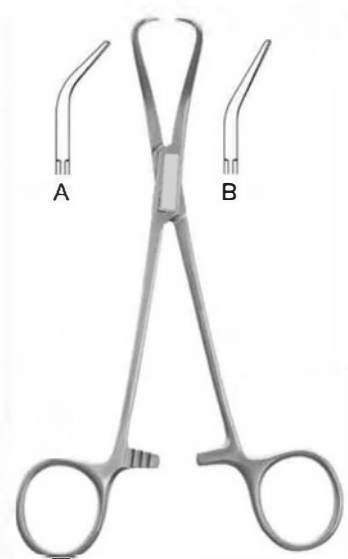


50-608-17
Reill
Bone Reduction Forcep
17.5cm / 7"

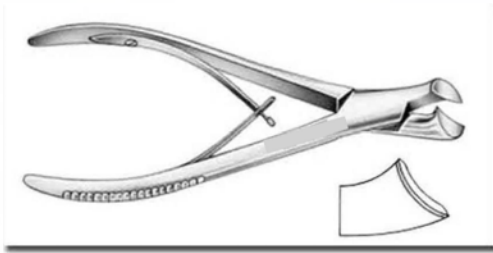


50-609-00
Bone Reposition Forceps
A: 17 cm / 6 3/4"
B: 24 cm / 9 1/2"
W/ Thread Fixations Screw

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



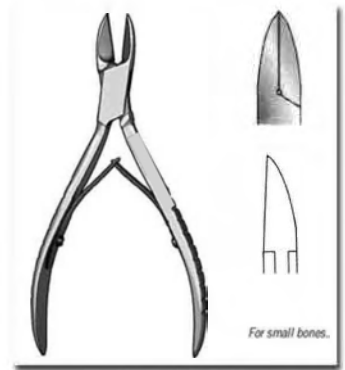
BONE CUTTING FORCEPS



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



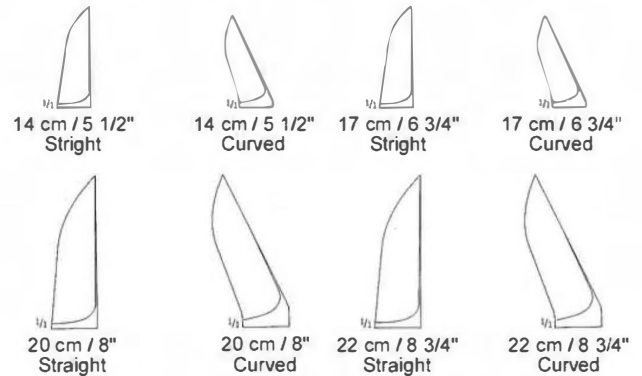
50-612-00
Cottle Kazanjian Bone Cutting Forceps
18.5 cm / 7 1/4"



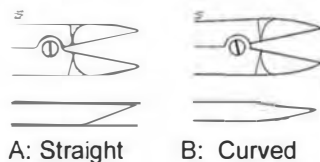
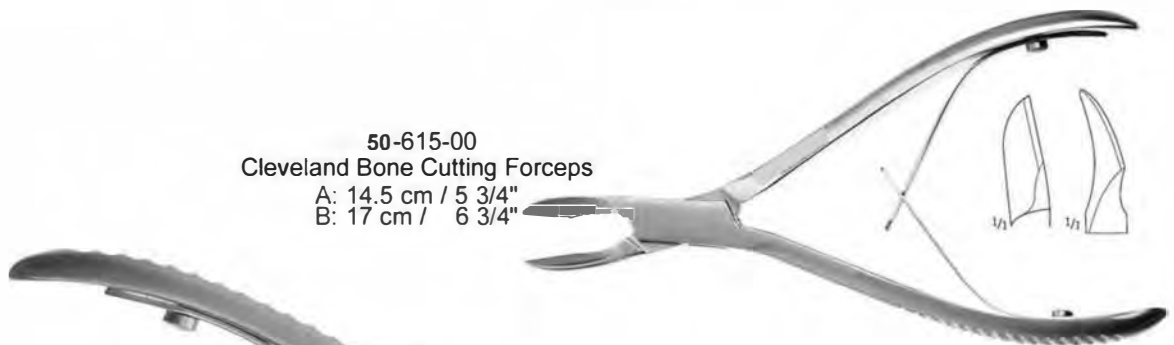
50-613-00
Littauer Bone Cutting Forceps
15 cm / 6"



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"



BONE CUTTING FORCEPS



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"

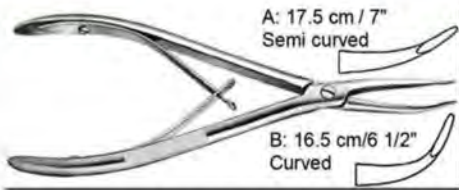
45° Angled



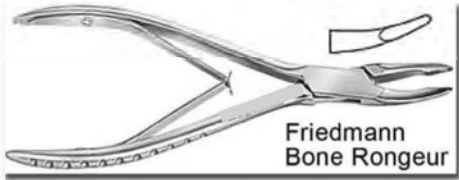
90° Angled

Angled On Side

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



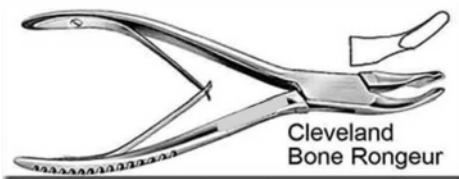
ZM-50-624-00 Stellbrink Bone Rongeur



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



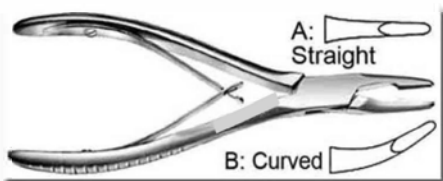
50-626-13 13.5 cm / 5 1/4"



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



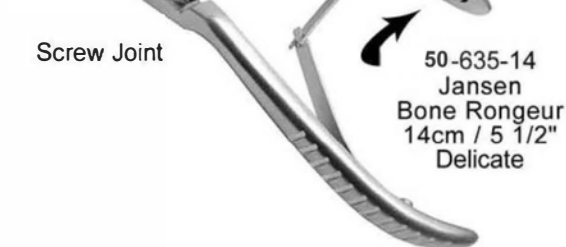
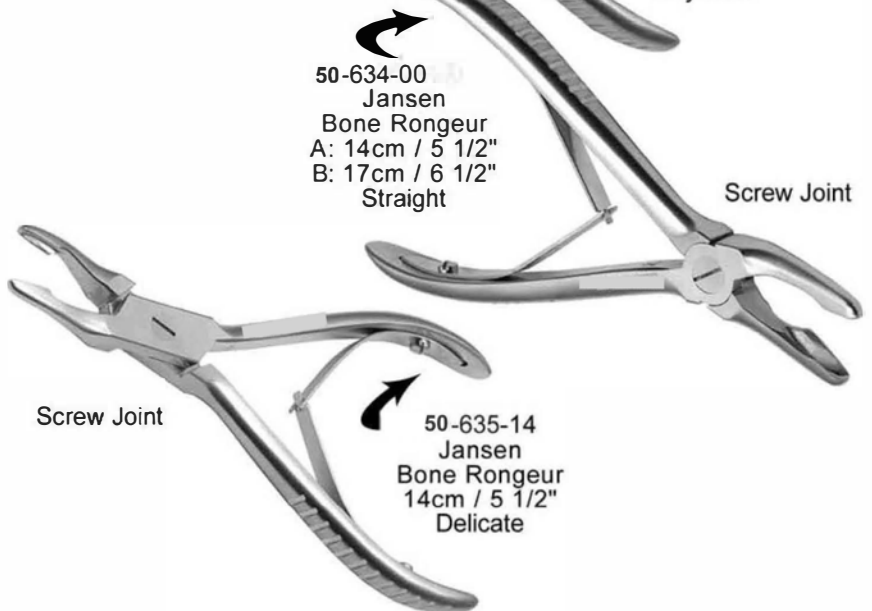
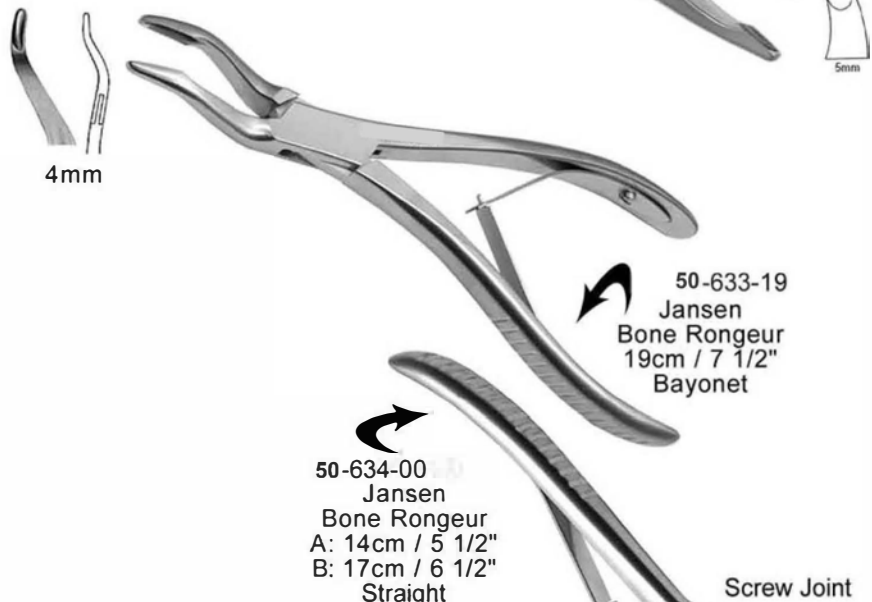
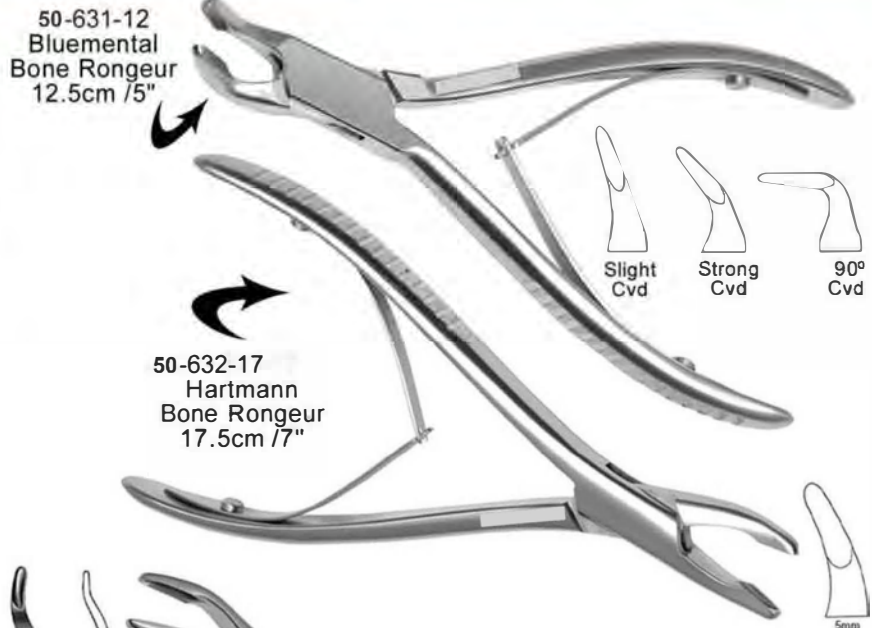
50-628-16 Mead Bone Rongeur
16.5 cm / 6 1/2"



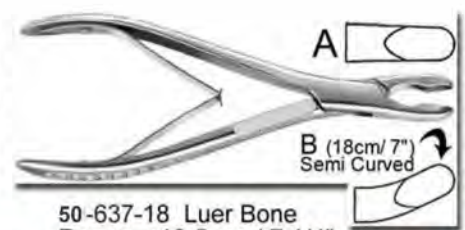
50-629-18 Jansen
Bone Rongeur 18 cm / 7"



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



50-636-14 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"



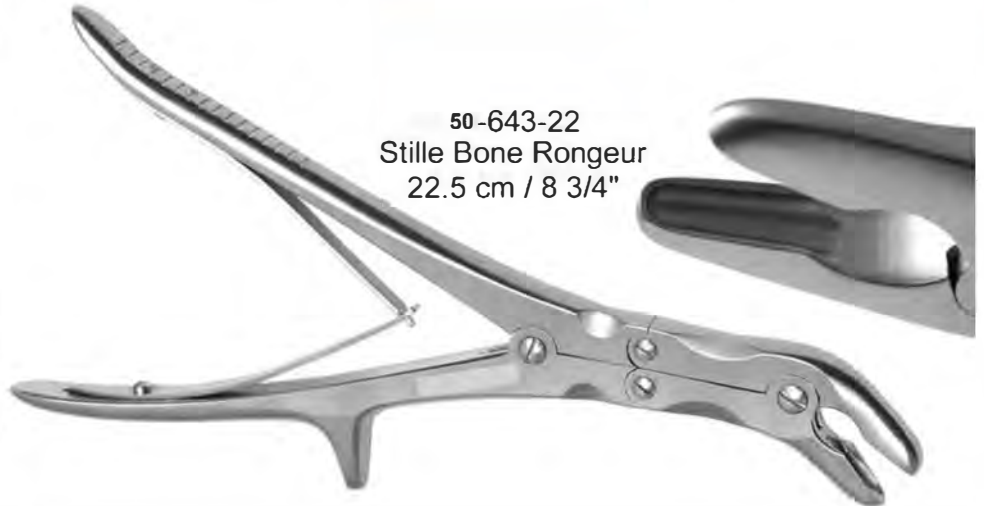
50-640-18 Zaufal-Jansen
Bone Rongeur 18 cm / 7"



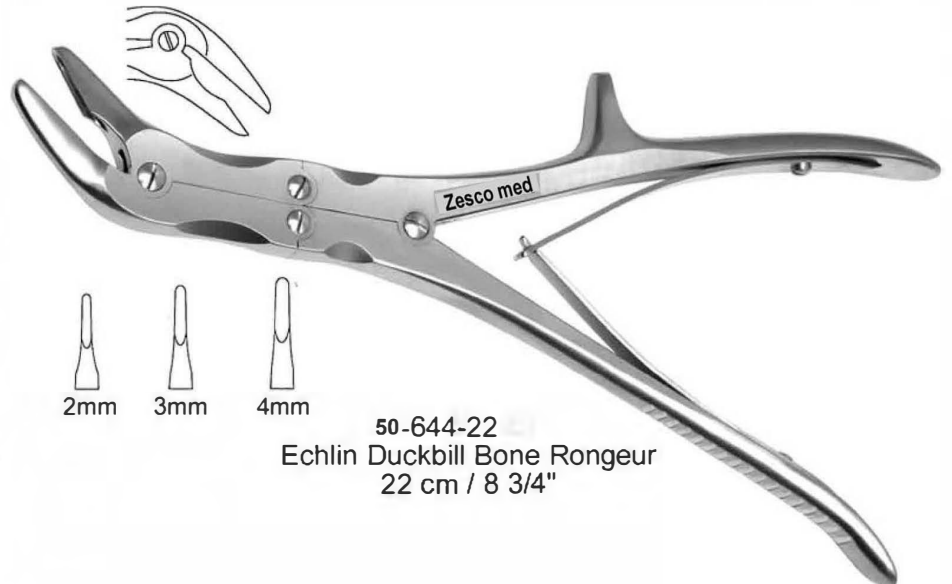
50-641-18 Mayfield
Bone Rongeur
18 cm / 7"



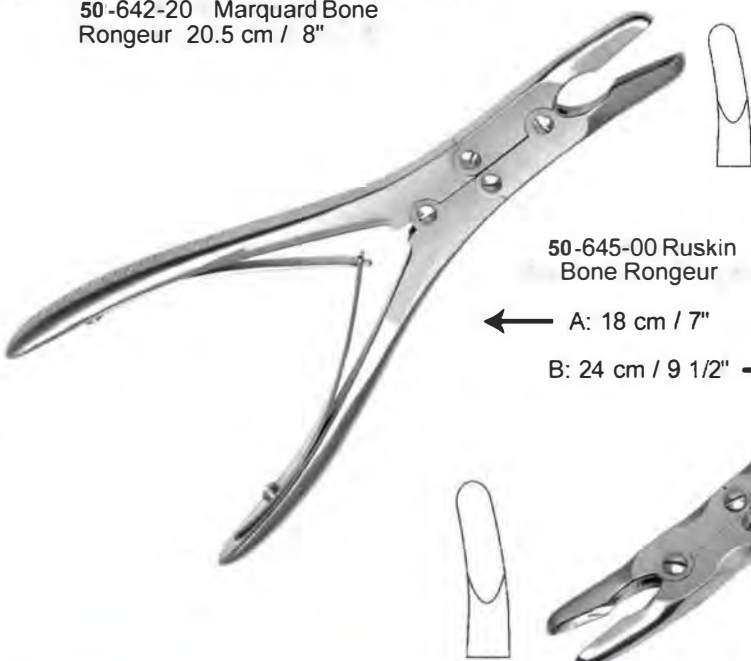
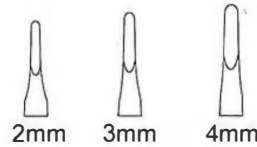
50-642-20 Marquard Bone
Rongeur 20.5 cm / 8"



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



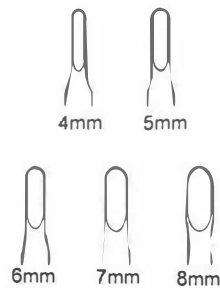
50-644-22
Echlin Duckbill Bone Rongeur
22 cm / 8 3/4"



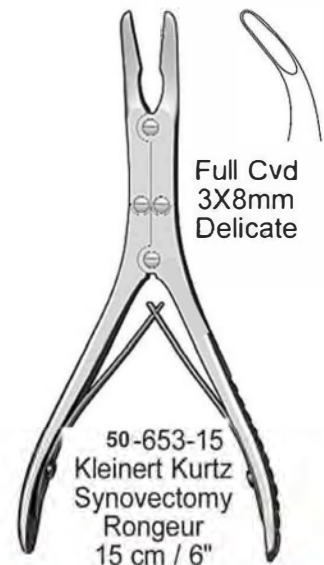
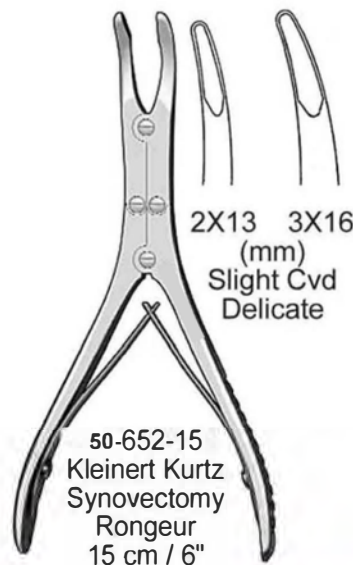
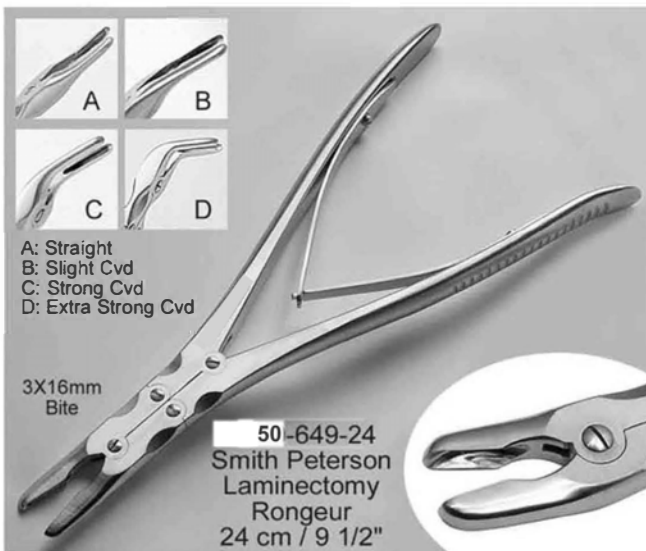
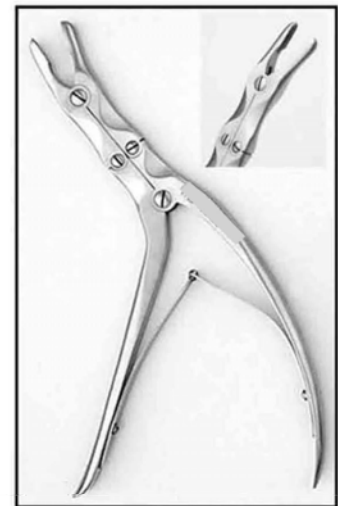
50-645-00 Ruskin
Bone Rongeur

← A: 18 cm / 7"
B: 24 cm / 9 1/2" →

BONE RONGEURS - NIBBLERS



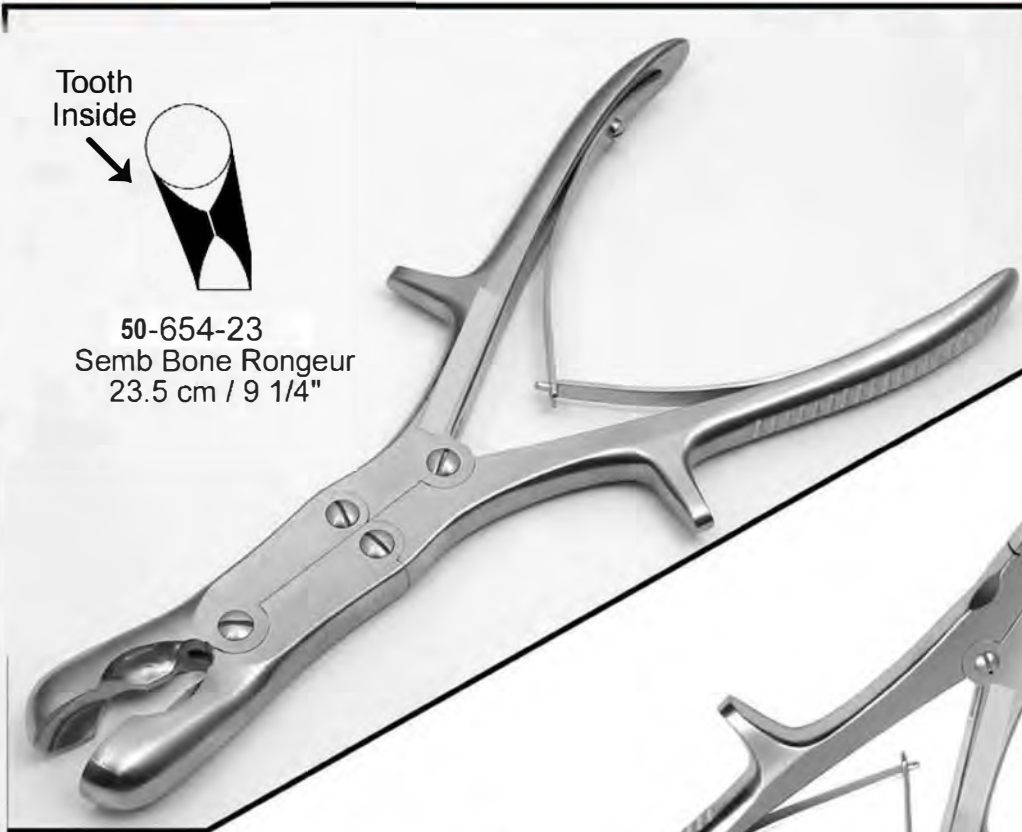
Same Size In
Both Rongeurs



Tooth
Inside

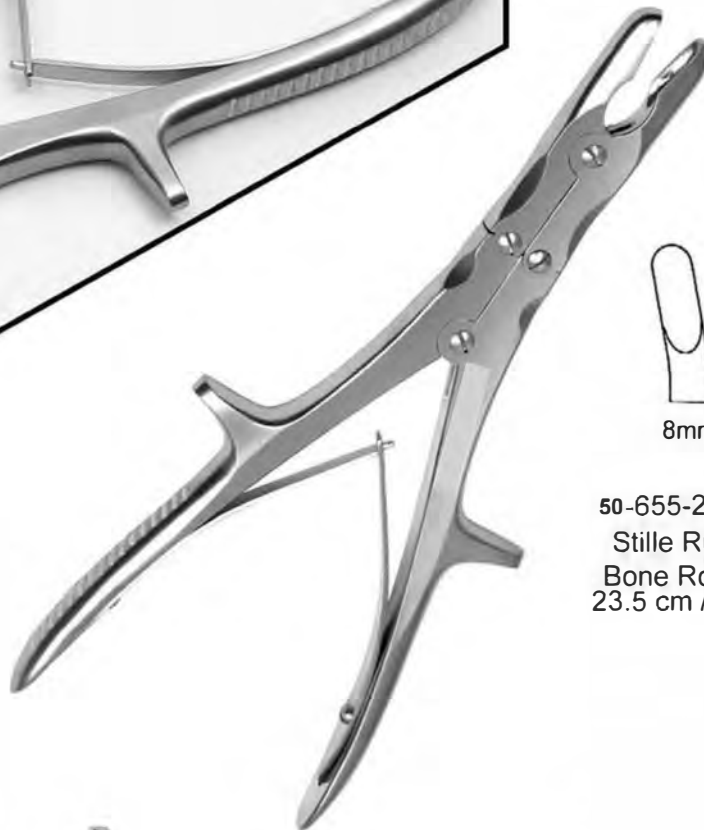


50-654-23
Semb Bone Rongeur
23.5 cm / 9 1/4"

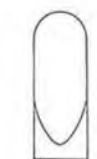
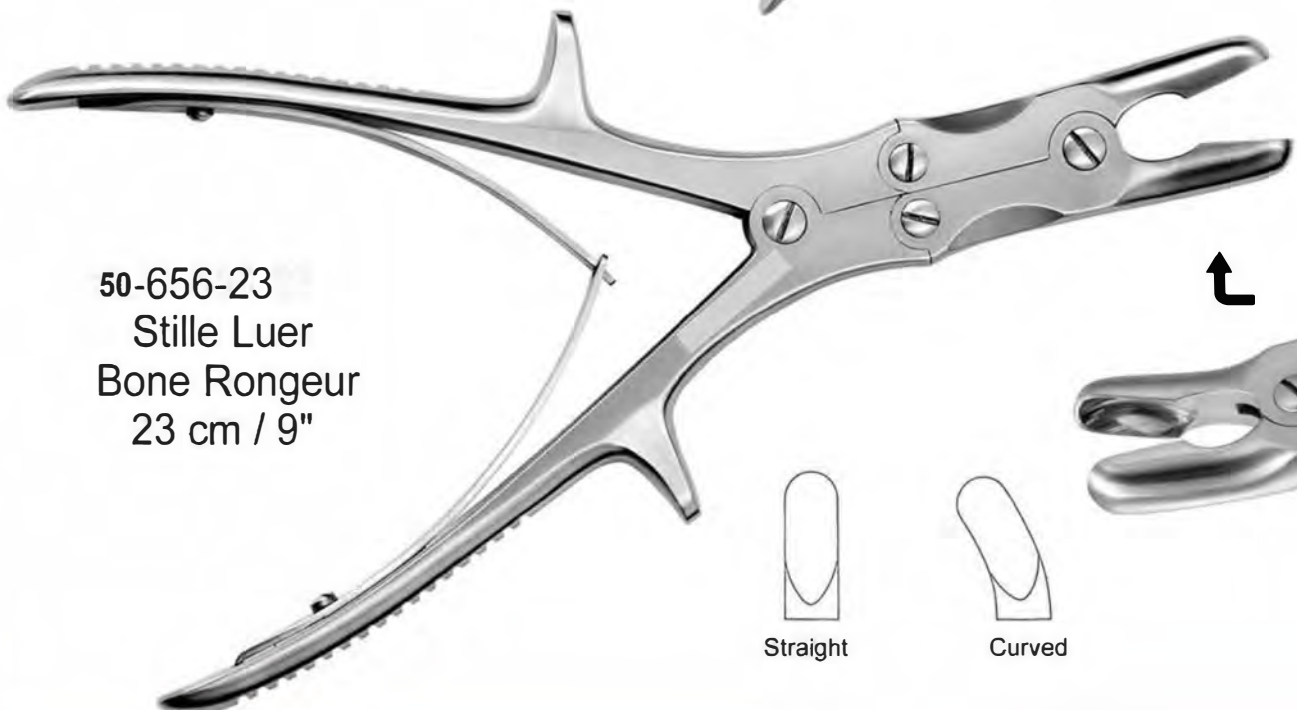


8mm

50-655-23
Stille Ruskin
Bone Rongeur
23.5 cm / 9 1/4"



50-656-23
Stille Luer
Bone Rongeur
23 cm / 9"



Straight



Curved

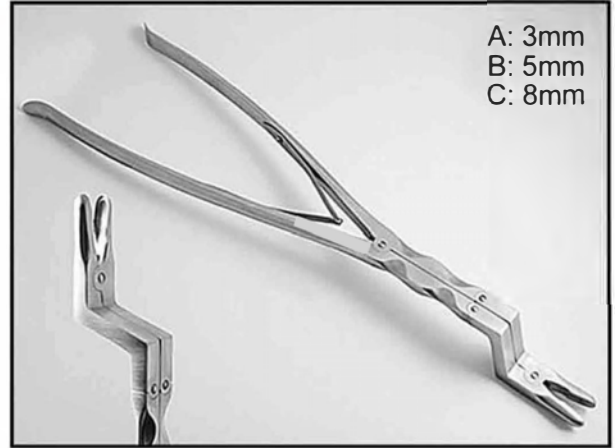
A: 25X2mm
B: 25X3mm



50-658-18

Mainz Long Neck Bone Rongeur 18 cm / 7"

A: 3mm
B: 5mm
C: 8mm



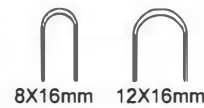
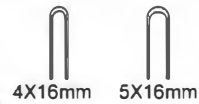
50-659-41

Leksell Bayonet Rongeur 41 cm / 16"

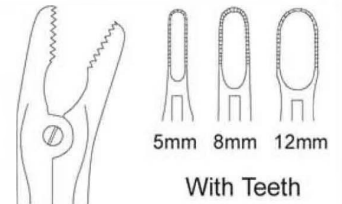


50-660-37

Sypert Rongeur 37 cm / 14 1/2"



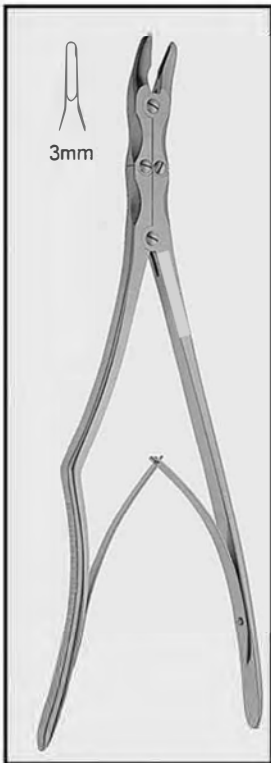
Standard



With Teeth



3mm



50-661-37

Dale Thoracic
Rongeur
37 cm / 14 1/2"

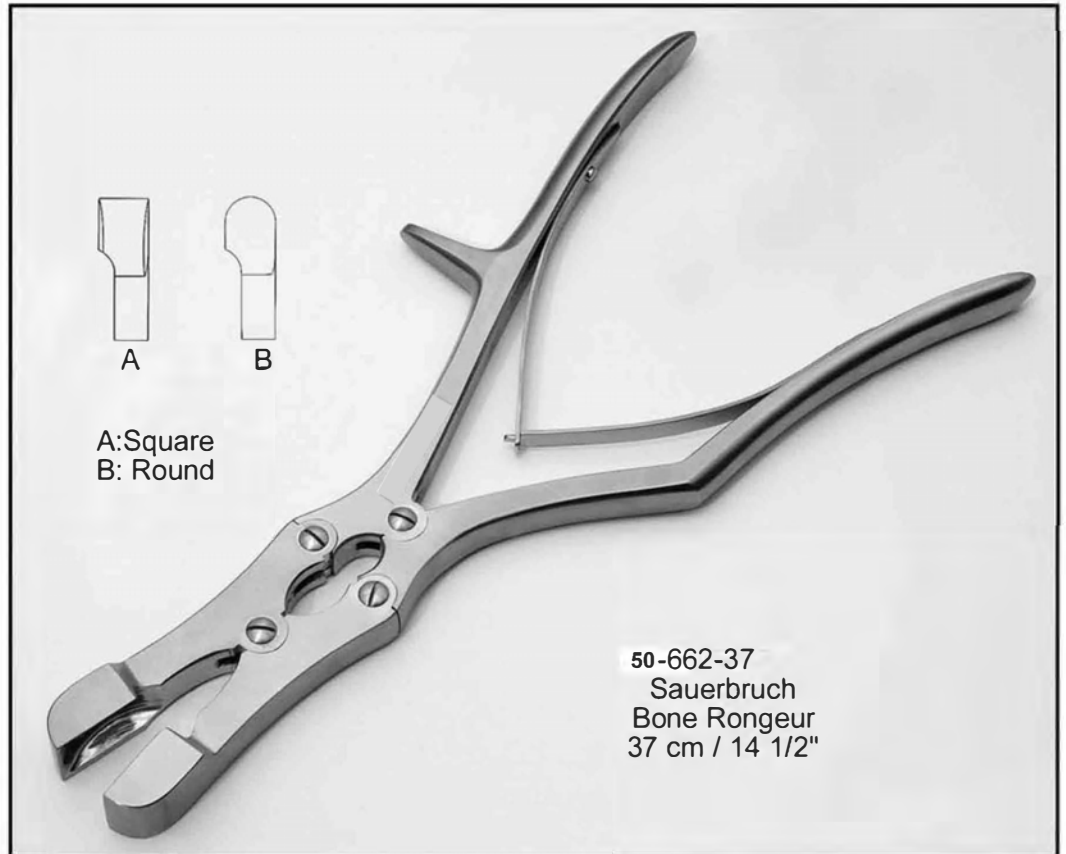


A



B

A: Square
B: Round



50-662-37

Sauerbruch
Bone 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"



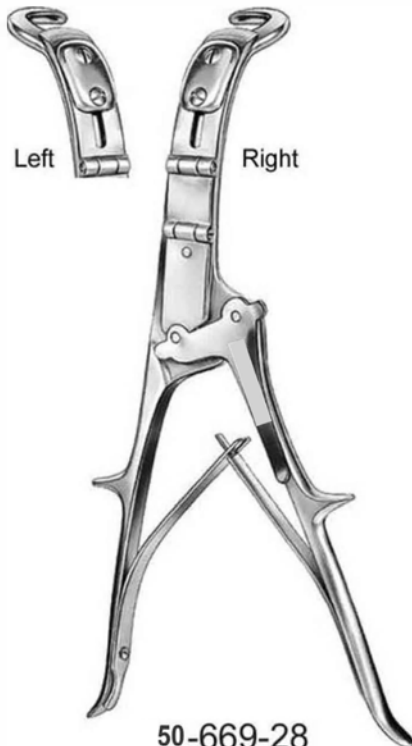
50-666-17
Collin Rib Shear
17 cm / 6 3/4"



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"



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"



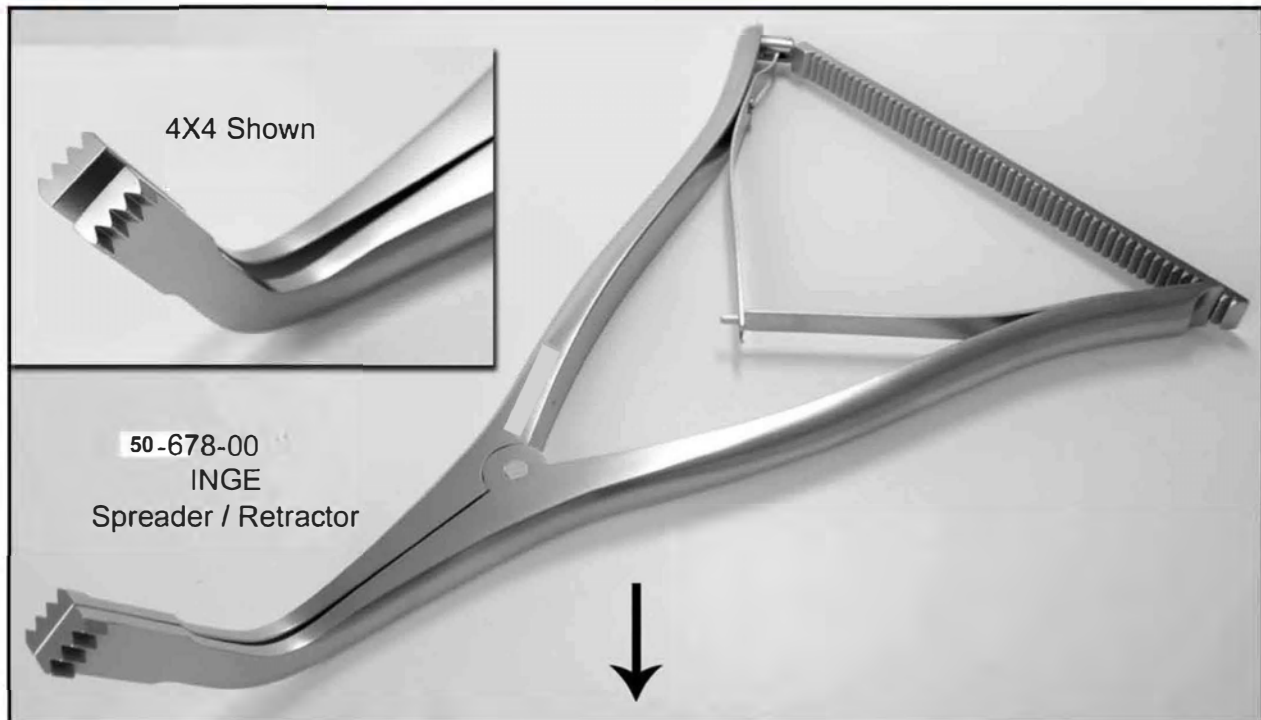
Left

Right

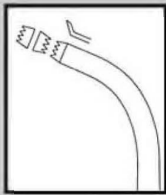


50-677-33
Roos Rib Shear
Right Angled Jaw W/ Hook
33 cm / 13"

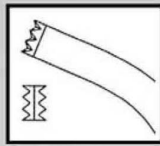




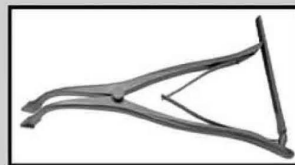
Available in 4X4 and 6X6 Teeth
and Without Teeth (Plain)



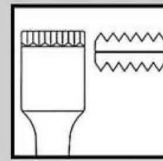
A: 4X4 Teeth
B: Without Teeth
16.5 cm / 6 1/2"



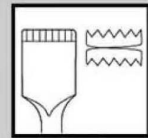
C: 4X4 Teeth
D: Without Teeth
25.5 cm / 10"



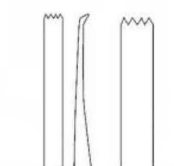
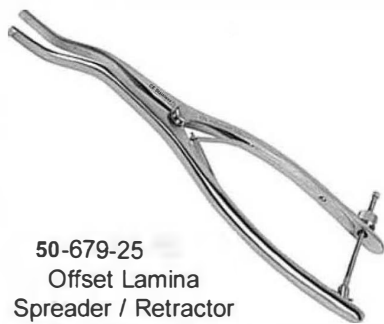
10 Inch Length Pattern



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



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



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





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



50-684-18
Calcaneal 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



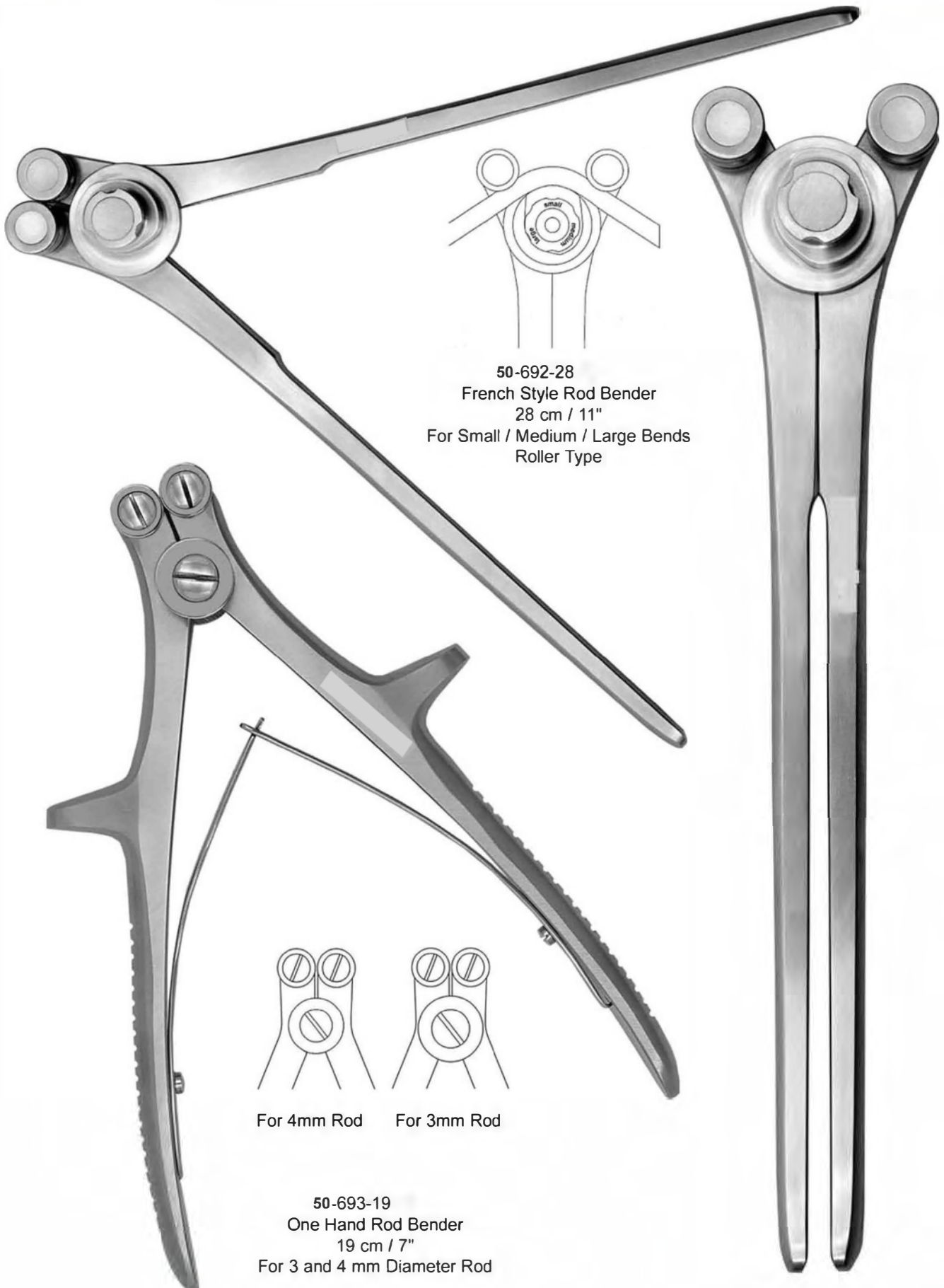
50-689-25
Distracting Forceps
25.5 cm / 10"
Leaf Pring
For Screws and Rods

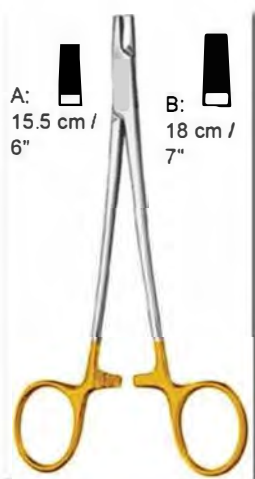


50-690-28
Compression Forceps
28 cm / 11"
Leaf Pring / Long Ratchet
For Screws and Rods

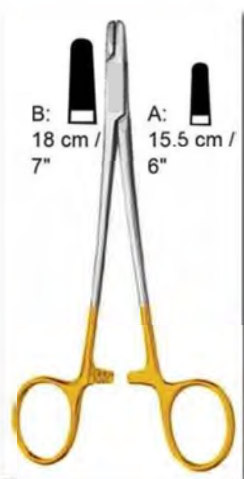


50-691-25
Distractor
25.5 cm / 10"
Leaf Pring
For Screws and Rods

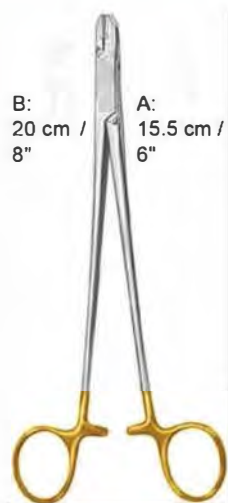




694-15-TC A / B
Wire Twisting
Forceps



695-15-TC A / B
Wire Twisting
Forceps



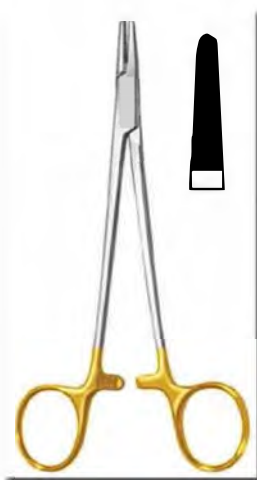
696-15-TC A / B
Wire Twisting
Forceps



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"

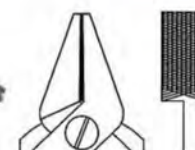
The Corwin-Hegar automatic Wire Twister is a special automatic twisting Instrument. In combination with a cerclage wire it can be used for fixation of fractures or temporal fixation. The Automatic Wire Twisters are available in different lengths and with various tungsten carbide inserts.



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



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



CARBIDE INSERTED SURGICAL SCISSORS

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



Sharp / Sharp
Cvd or Str

Blunt / Blunt
Cvd or Str

Sharp / Blunt
Cvd or Str

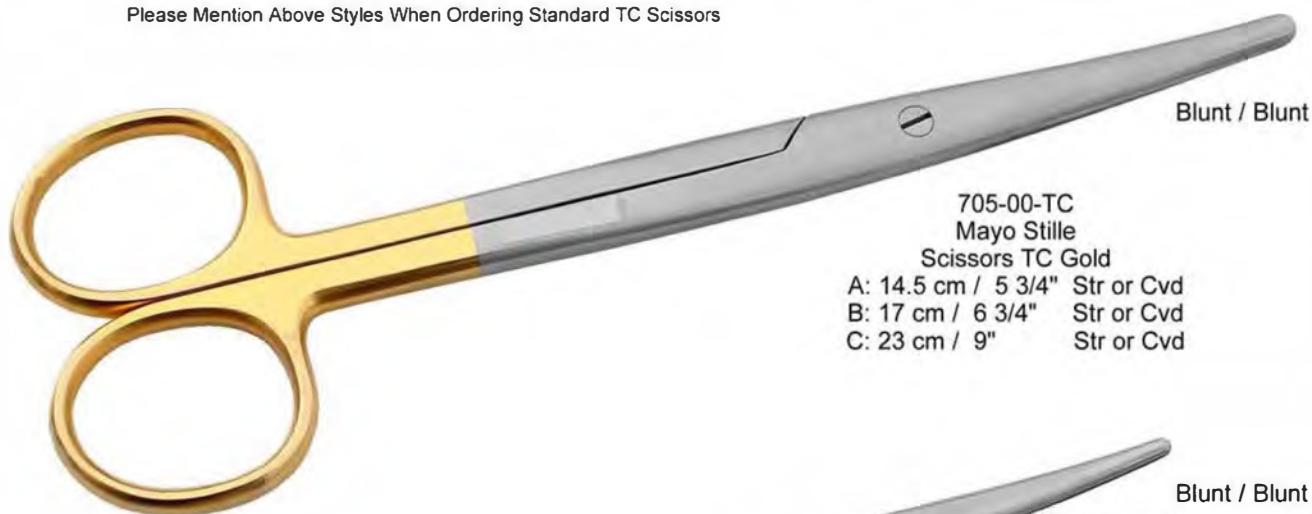
Please Mention Above Styles When Ordering Standard TC Scissors

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



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



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



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

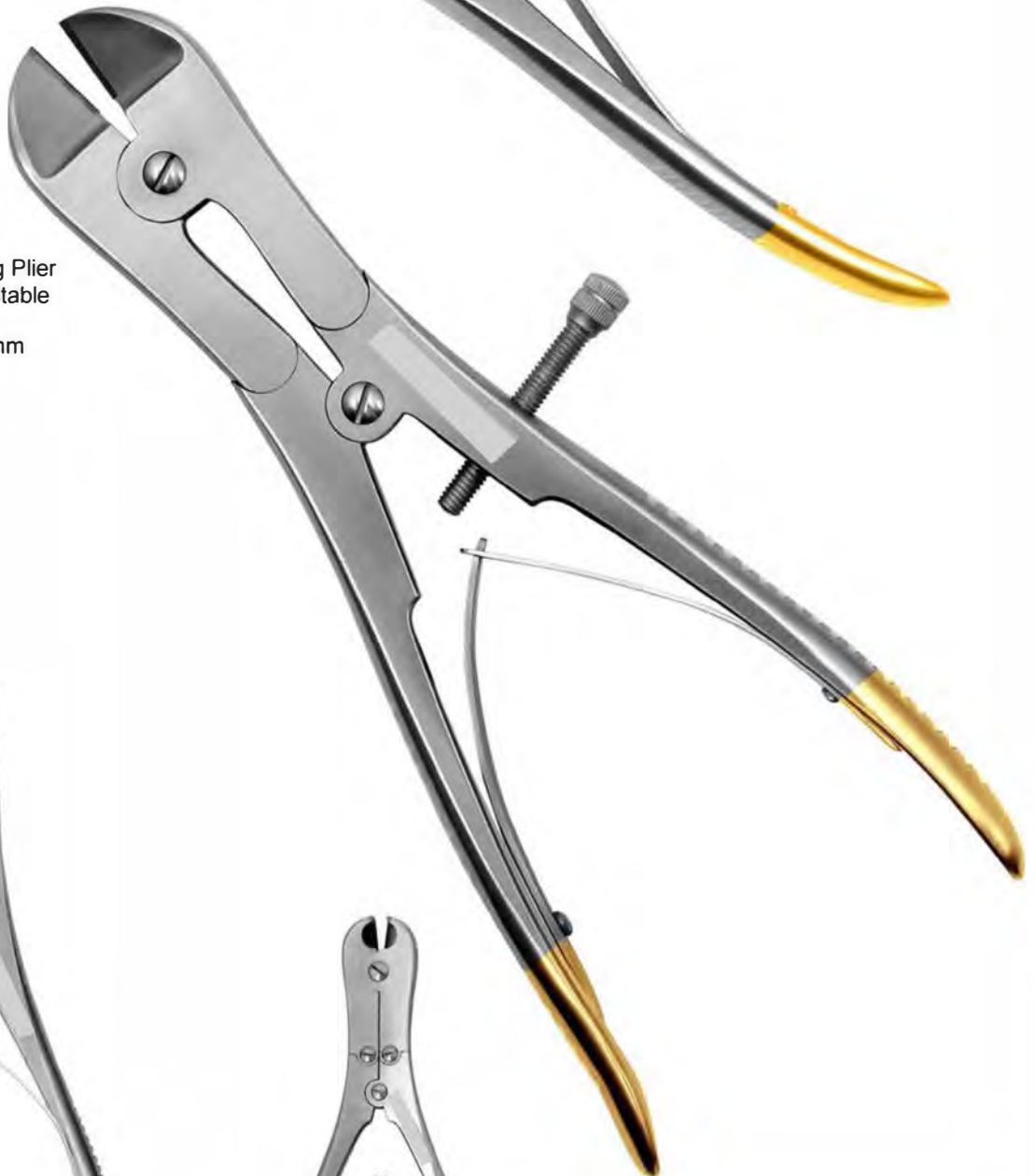


717-23-TC
Front End
Wire Cutting Plier
TC Gold
23 cm / 9"
Cut Upto 2.5mm

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



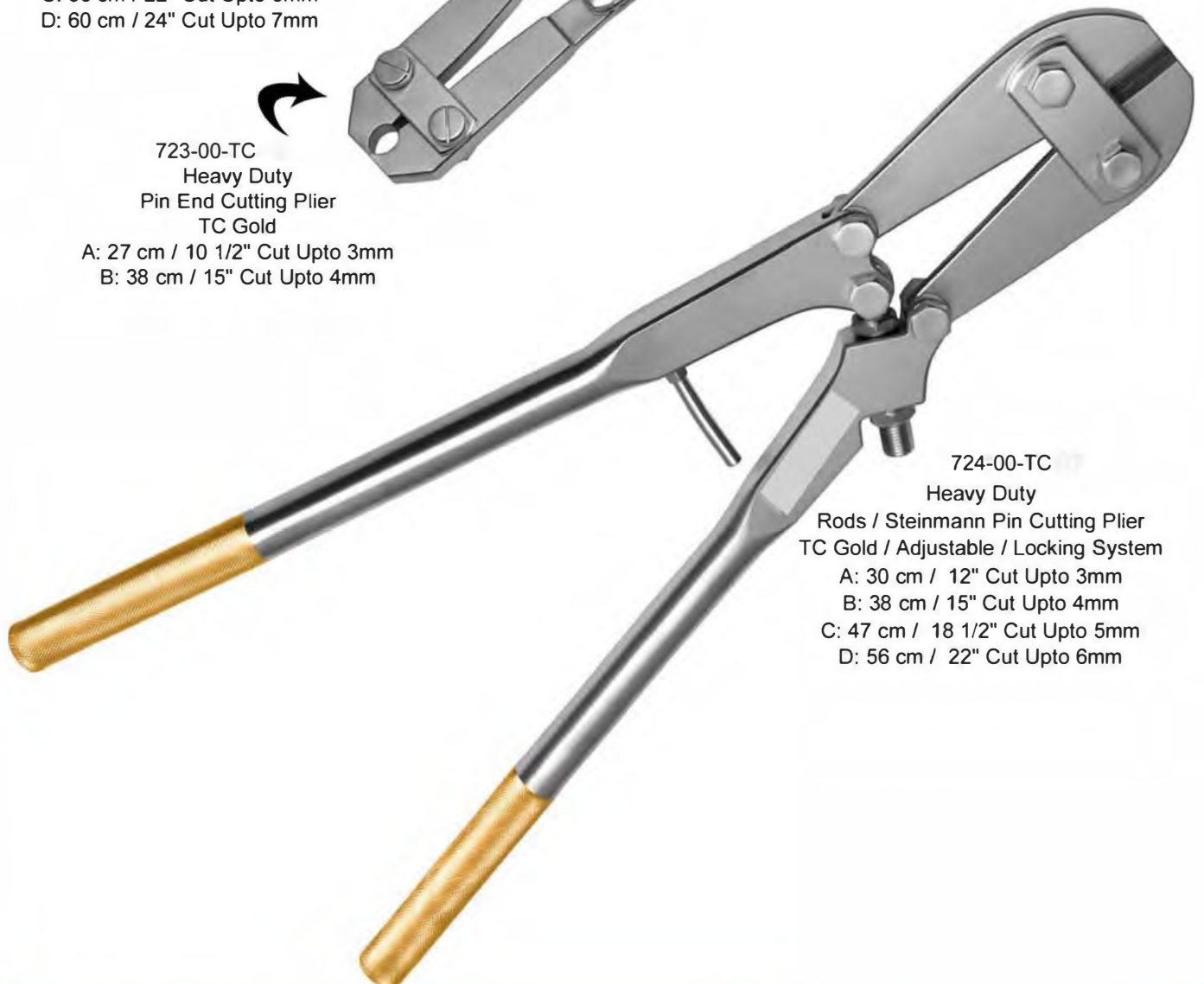
722-00-TC
Heavy Duty
Pin Cutting Plier
TC Gold

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
310.230'	2.5mm	180mm	155mm
310.350'	3.5mm	100mm	085mm
310.370'	3.5mm	195mm	170mm
310.290'	3.2mm	195mm	170mm
310.440'	4.5mm	145mm	145mm
310.480'	4.5mm	195mm	170mm

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
Countersink, 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.

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
ZM-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.

Predrilling: 3.2mm

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
for 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

314.150'
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

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

313.980
Holding Sleeve for Mini Screws
single

INSTRUMENTS FOR TRUAMATOLOGY



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	For diameter
397.150	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 an 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 an 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



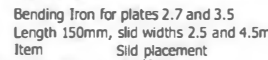
319.010'
Depth Gauge for 2.7 to 4.0mm screws
measuring range up to 60mm



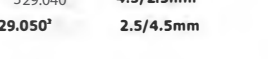
319.100'
Depth Gauge for 4.5mm to 6.5mm screws
measuring range up to 110mm



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



329.050'
Bending Iron for plates 1.5 and 2.0
Length 130mm Slid width
2.5/4.5mm



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 width
2.5mm

INSTRUMENTS FOR TRUAMATOLOGY



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
Trocar 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'
Insertor/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
Insertor/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



391.270'
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

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				Kirschner Wire			
Implantable Material				Implantable Material			
Packs of 10 units				Packs of 10 units			
St. steel	Diameter	Length	Titanium Alloy	St. steel	Diameter	Length	Titanium Alloy
ZM- 292.060	0.60mm	070mm	ZM- 492.060	292.190	1.80mm	280mm	ZM- 492.190
ZM- 292.080	0.80mm	070mm	ZM- 492.080	292.200 ¹	2.00mm	150mm	ZM- 492.200
ZM- 292.090	0.80mm	150mm	ZM- 492.090	292.210	2.00mm	280mm	ZM- 492.210
ZM- 292.100 ¹	1.00mm	150mm	ZM- 492.100	ZM- 292.230	2.00mm	400mm	ZM- 492.230
ZM- 292.110	1.00mm	280mm	ZM- 492.110	ZM- 292.250 ¹	2.50mm	150mm	ZM- 492.250
ZM- 292.120 ¹	1.25mm	150mm	ZM- 492.120	292.260	2.50mm	280mm	ZM- 492.260
ZM- 292.130	1.25mm	280mm	ZM- 492.130	292.280	2.50mm	400mm	ZM- 492.280
ZM- 292.140	1.40mm	150mm	492.140	292.300 ¹	3.00mm	150mm	ZM- 492.300
ZM- 292.150	1.40mm	280mm	492.150	292.310	3.00mm	280mm	ZM- 492.310
ZM- 292.160 ¹	1.60mm	150mm	492.160	292.330	3.00mm	400mm	ZM- 492.330
ZM- 292.170	1.80mm	150mm	ZM- 492.170				
ZM- 292.180	1.60mm	280mm	492.180				



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