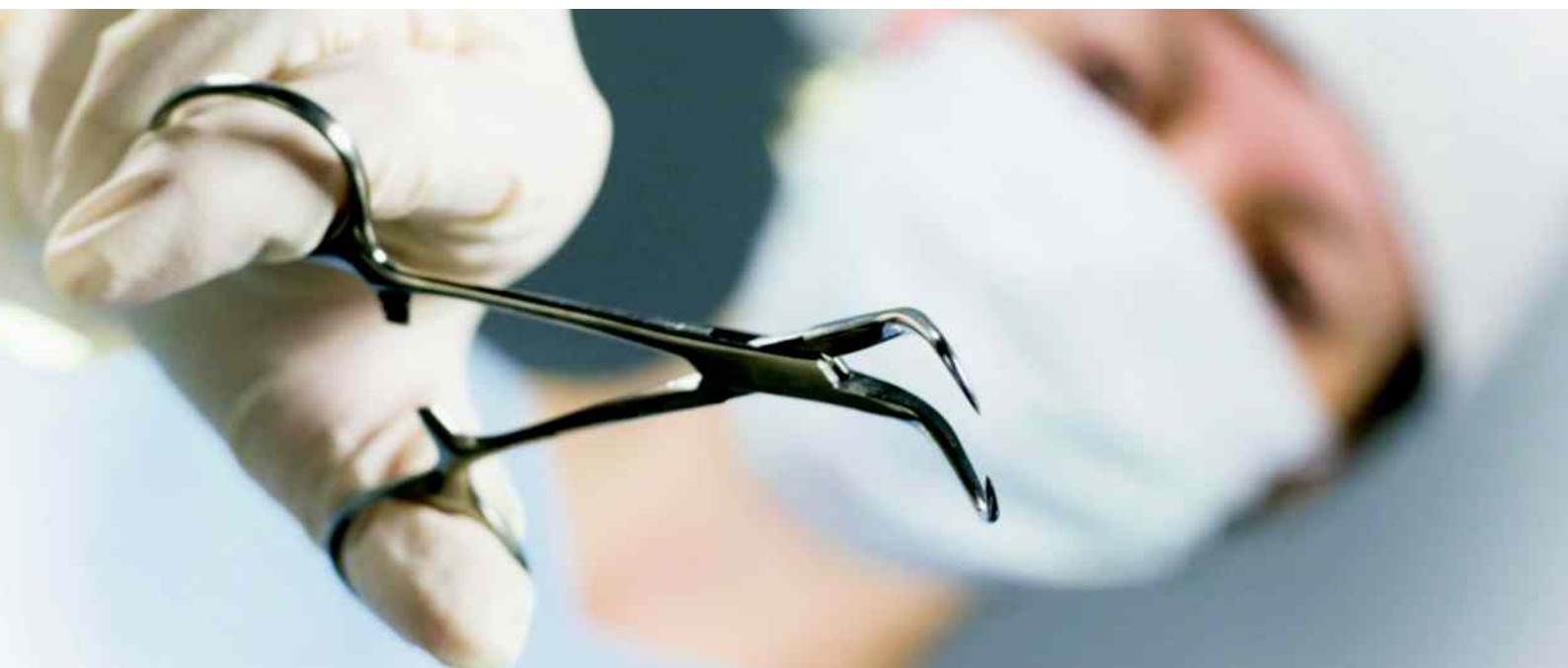




Orthopedic & Neurosurgical Instruments





Welcome to ASC Medical GmbH & Co. KG.

The company was founded by Kurt Bucher in the year 2003.

The **ASC MEDICAL** office is located in the heart of Southern Germany, Neuhausen / Tuttlingen.

ASC MEDICAL is dedicated to educating the market on new and improved techniques, implants and instrumentation.

Since the formation of **ASC MEDICAL**, we have dedicated ourselves of bringing instruments and implants at a competitive value to the Medical Market. We are proud of what we have achieved in the last 7 years and look forward to more of the same for many years to come.

When you purchase from **ASC MEDICAL**, you are guaranteed the best in quality and customer service. We not only meet your expectations, we exceed them!

This is what we set out to deliver and has since become known as the "**ASC MEDICAL Philosophy**".

On behalf of the **ASC MEDICAL** team members and our distribution partners, we thank you for your tremendous trust in the past. And with your support, we will continue to deliver the highest quality surgical instruments and implants on the market.

Kurt Bucher
President

Orthopedic	1-121
Neurosurgery	122-139

Special Note:

ASC is carrying the full range of over 18000 different surgical instruments.

Please do not hesitate to contact us for any instrument which you do not find in this catalogue.



Esmarch
21-3001-18
18 cm / 7"



Reiner
21-3005-18
18.5 cm / 7 1/4"



Hopkins
21-3010-20
20 cm / 8"



21-3015-21
21 cm / 8 1/4"

Bandage Scissors
Verbandscheren
Tijeras para vendajes



Smith
(Mod. USA)
21-3020-20
20 cm / 8"

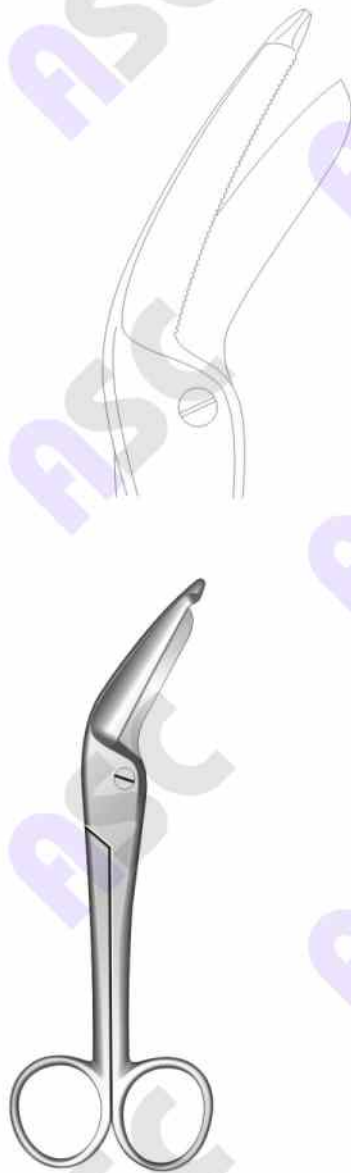
Bruns
21-0398-24 Plain
23.5 cm / 9¼"
21-2025-24T Serrated
24 cm / 9½"
Open shanks with pin

Bruns
21-3025-24
23.5 cm / 9¼"
Closed shanks, serrated

Bruns
21-3030-24
24 cm / 9½"
Open shanks with pin, serrated



Lorenz
21-3035-23
23 cm / 9"



Excentric
21-3040-16 16 cm / 6 1/4"
21-3040-19 19 cm / 7 1/2"

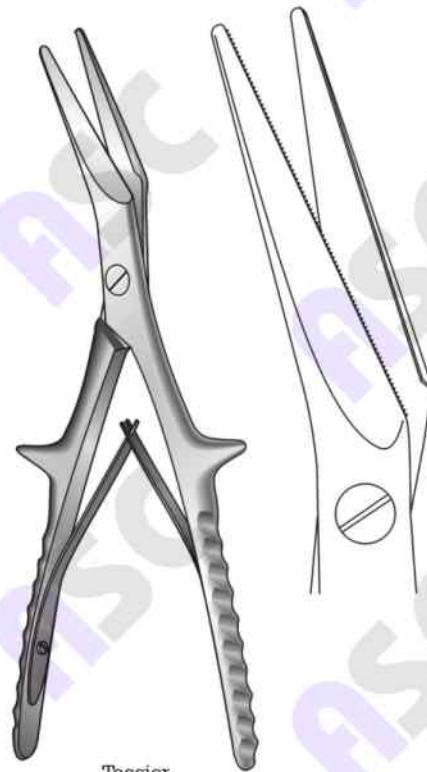


Tomado
21-3045-24
24 cm / 9 1/2"
Undulated cutting edge

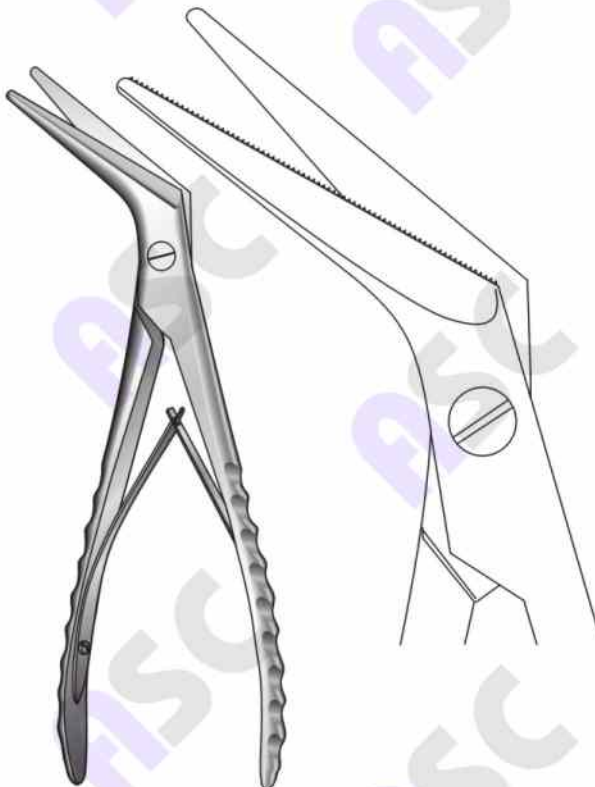
Bone Cutting Forceps
Knochenschneidezangen
Pinzas para cortar huesos



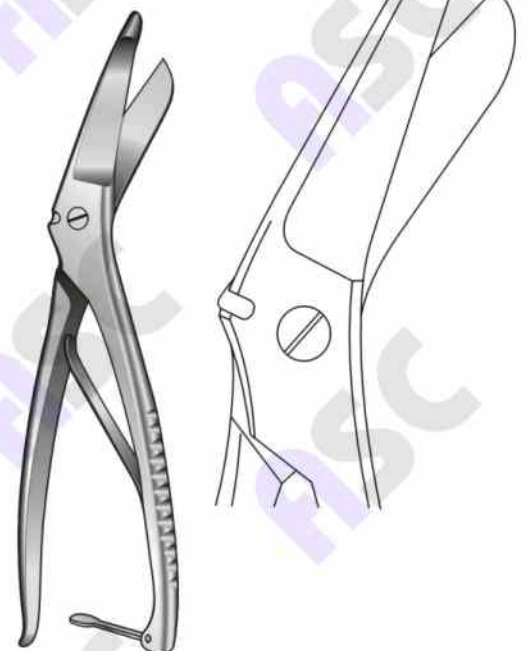
Seutin
23-3001-23
23 cm / 9"



Tessier
23-3005-19
19.5 cm / 7 3/4"
1 serrated cutting edge



Tessier
23-3010-19
19 cm / 7 1/2"
1 serrated cutting edge



Universal
23-3015-20
20 cm / 8"

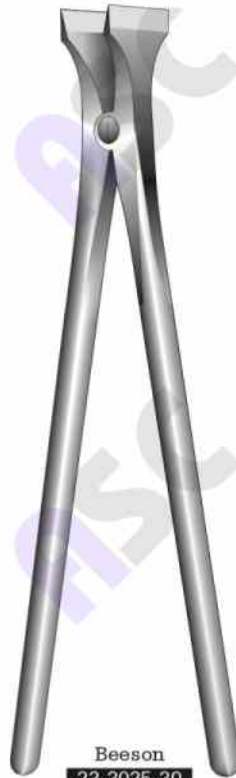
Plaster Cast Spreaders
Gipsspreizer
Separadores para yesos



Wolff

23-3020-18
18 cm / 7"

23-3020-24
24 cm / 9 1/2"



Beeson
23-3025-30
30 cm / 12"



Hennig
23-3030-28
28 cm / 11"

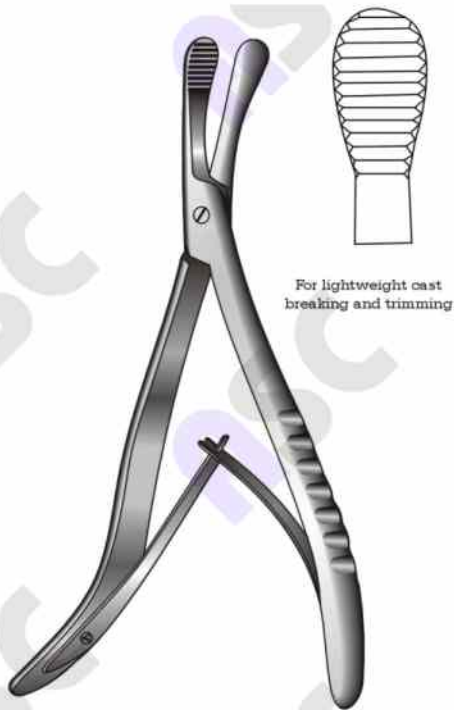


Haglund
23-3035-28
28 cm / 11"



23-3040-23
23 cm / 9"

Plaster of Paris Shears
Gipsscheren
Cizallas para vendajes enyesados



For lightweight cast breaking and trimming

Masson
23-3050-18
18 cm / 7"
Pediatric cast breaker
deep serrated tips



Stille
23-3055-24
24 cm / 9 1/2"



Stille-Mini
23-3060-20
Blade with reinforced back
23-3061-20
Blade without reinforced back
20 cm / 8"



Stille

23-3065-23
Blade with reinforced back
23-3066-23
Blade without reinforced back
23 cm / 9"

23-3065-26
Blade with reinforced back
23-3066-26
Blade without reinforced back
26 cm / 10 1/4"

23-3065-37
Blade with reinforced back
23-3066-37
Blade without reinforced back
37 cm / 14 1/2"

Mallets
Hammer
Martillos, Mazos



23-0317-01
16.5 cm / 6½"
140 gm / 5 oz, 20 mm Ø



Collin
23-0309-20
20 cm / 8"
220 gm / 7¾ oz, 30 mm Ø



Williger
24 cm / 9½"



23-0301-01
26 mm Ø
300 gm / 10½ oz

23-0301-02
28 mm Ø
340 gm / 12 oz

23-0301-03
30 mm Ø
400 gm / 14 oz



Lucae
19 cm / 7½"

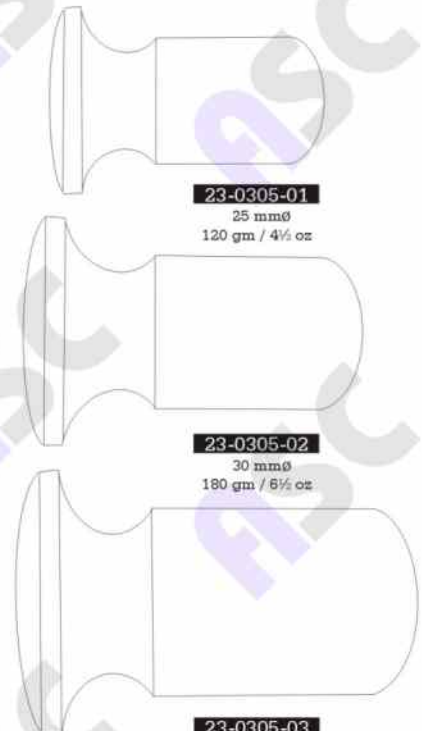


23-0315-01
19 mm Ø
230 gm / 8 oz

23-0315-02
25 mm Ø
260 gm / 9 oz



Doyen
21 cm / 8½"



23-0305-01
25 mm Ø
120 gm / 4¼ oz

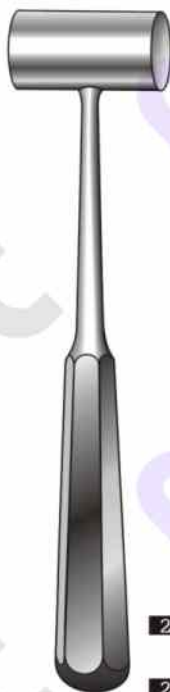
23-0305-02
30 mm Ø
180 gm / 6½ oz

23-0305-03
35 mm Ø
260 gm / 9 oz

Mallets
Hammer
Martillos, Mazos



Mead
320 gm, 26 mm Ø
23-3070-17
Solid
23-3071-17
17 cm / 6 3/4"
Ferrozell faces only, pair



Partsch
22 mm Ø
23-3075-18
18 cm / 7"
200 gm
23-3076-16
16 cm / 6 1/4"
165 gm
23-3077-18
18 cm / 7"
220 gm



Heath
23-3080-18
18.5 cm / 7 1/4"
700 gm, 40 mm Ø
Cooper filled head



Autoclavable to
250°F (121°C)

Mallet Lightweight
19 cm / 7 1/2"
25 mm Ø
23-3085-19
140 gm
23-3086-19
Two replaceable nylon caps
Total weight: 7 oz.
Head weight: 4 oz



Autoclavable to
250°F (121°C)

Combination Mallet
19 cm / 7 1/2"
23-3090-19
Total weight: 9 oz
Head weight: 5 oz
26 mm Ø
23-3091-19
Total weight: 12 oz
Head weight: 8 oz
38 mm Ø
One side nylon cap



23-3095-00
1000 gm
23-3096-00
700 gm
23-3097-00
500 gm



Aluminium handle
23-3100-00
600 gm, 22 oz
Heavy
23-3101-00
300 gm, 11 oz



Cottle
23-3105-19
19 cm / 7 1/2"
240 gm, 30 mm Ø



Gerzog
23-3110-18
18 cm / 7"
250 gm



Kirk
23-3115-19
19 cm / 7½"
750 gm



Ombredanne
23-3120-24
24 cm / 9½"
550 gm, 40 mmØ



Bergmann
23-3125-24
24.5 cm / 9¾"
300 gm, 45 mmØ



Bergmann
23-3130-23
23.5 cm / 9¼"
300 gm, 30 mm Ø



Wagner
23-3135-23
23.5 cm / 9¼"
35 mm Ø



Metal head
23-3140-00
230 gm, 35 mm Ø



Plastic head
23-3141-00
32 gm, 35 mm Ø



Quisling
23-3145-00



23-3150-23
23.5 cm / 9¼"

Mallets
Hammer
Martillos, Mazos



23-3155-26 450 gm
23-3156-26 900 gm
26 cm / 10½"



23-3160-26
26 cm / 10½"
510 gm / 18 oz
30 mm Ø



23-3165-00
Head weight 550 gm
Total weight 750 gm
40 mm Ø



23-3170-00
Head weight 350 gm
Total weight 550 gm
35 mm Ø



23-3175-00
Head weight 300 gm
30 mm Ø



23-3180-00
Head weight 300 gm
Total weight 500 gm
30 mm Ø



23-3185-00
Medium size hammer
Full aluminum
Total weight 200 gm



23-3190-00
Small hammer aluminum handle
with stainless steel head
with rubber side (changeable)
Total weight 125 gm



15.5 cm / 6"

23-0299-02
2 mm \emptyset



23-0299-03
3 mm \emptyset



23-0299-04
4 mm \emptyset



23-0299-05
5 mm \emptyset



23-0299-06
6 mm \emptyset



23-0299-08
8 mm \emptyset



23-0299-10
10 mm \emptyset



Kienny
23-3195-17
17.5 cm / 7"



Trillat
23-3201-20 9 x 9 mm
23-3202-20 9 x 19 mm
20 cm / 8"

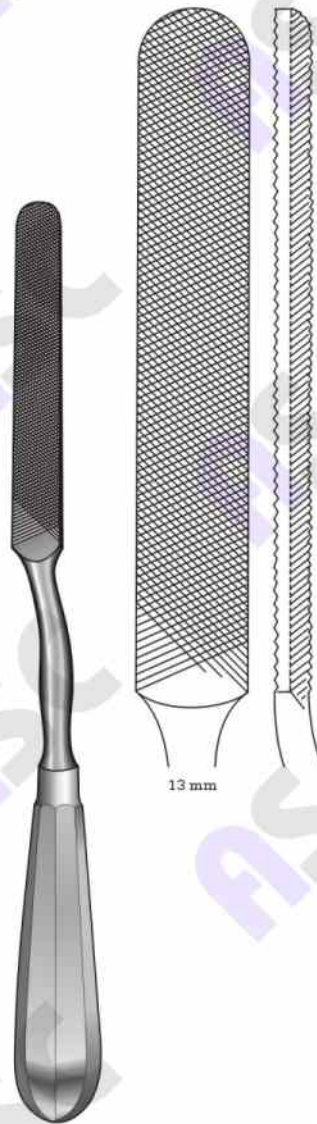


Cylindriques Double
23-3205-16 8 x 15 mm \emptyset
16 cm / 6 1/4"
23-3210-21 6 x 8 mm \emptyset
23-3211-21 10 x 12 mm \emptyset
21 cm / 8 1/4"

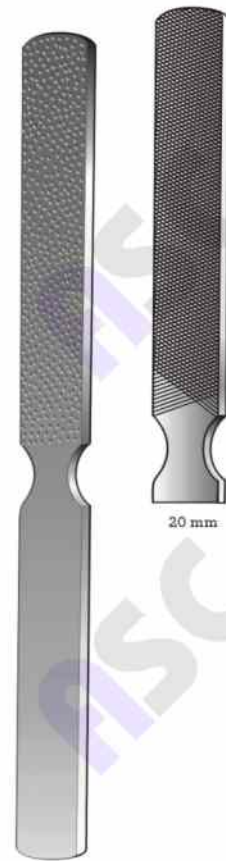
Bone Files
Knochenfeilen
Limas para huesos



23-3215-28
28 cm / 11"



23-3220-24
24.5 cm / 9 3/4"



23-3225-22
22 cm / 8 3/4"

Bone Files, Bone Levers
Knochenfeilen, Knochenhebel
Limas para huesos, Elevadores para huesos



Putti
23-3230-30
30 cm / 12"



Putti
23-3235-27
27 cm / 10½"



Fomon
23-3240-21
21 cm / 8¼"
Double ended, fine and coarse teeth 4-side, convex and flat blades 8 mm width



Murphy-Lane
23-3245-30
30 cm / 12"
Bone skid

Nasal Rasps, Bone Files
Nasenraspeln, Knochenfeilen
Escofinas nasales, Limas para huesos



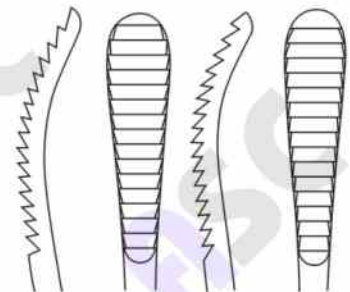
Trochlear
23-3250-17
17 cm / 6½"
Stainless steel



Maltz Improved
23-3255-21
21 cm / 8¼"
Double ended, forward and backward cutting, 8 mm width



Aufrecht
21 cm / 8¼"

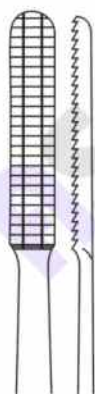


23-3260-21
Single ended forward cutting
9 mm width

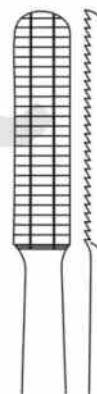
23-3261-21
Single ended backward cutting
9 mm width



Maltz
18 cm / 7"
Single ended
10 mm width



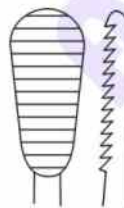
23-3265-18
34 x 7 mm
Backward cutting



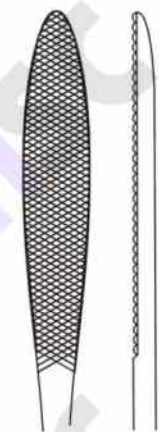
23-3266-18
34 x 7 mm
Forward cutting



Excision Arthroplasty
23-3270-17
17 cm / 6½"
Stainless steel



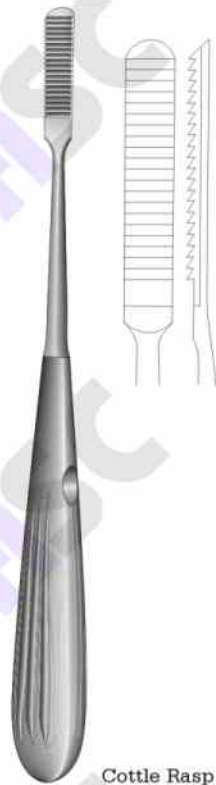
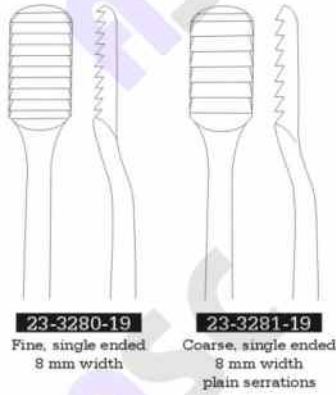
Joseph
23-3275-16
16 cm / 6¼"
Single ended, 8 mm at wide point, fine cross serrations



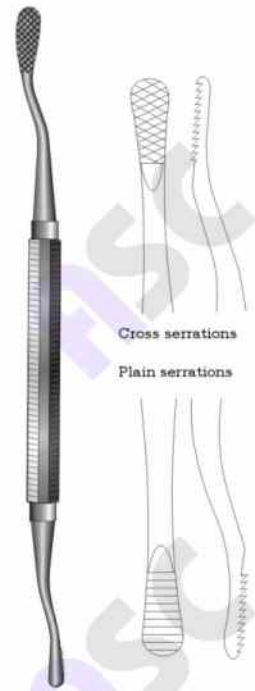
Bone Files
Knochenfeilen
Lima para huesos



Lewis Rasp
19 cm / 7½"



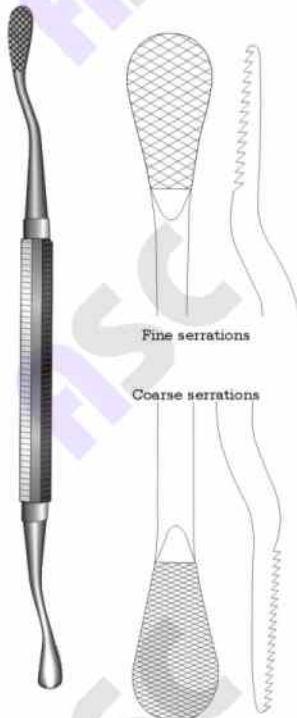
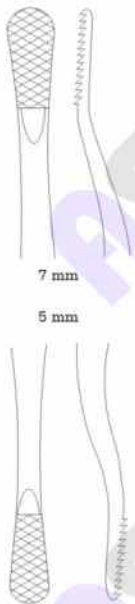
Cottle Rasp
23-3285-20
20.5 cm / 8"
Single ended, backward cutting
9 mm width
plain serrations



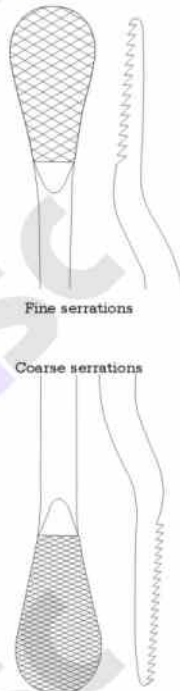
Miller-Colburn
23-3290-18
18 cm / 7"
Double ended, 5 mm width



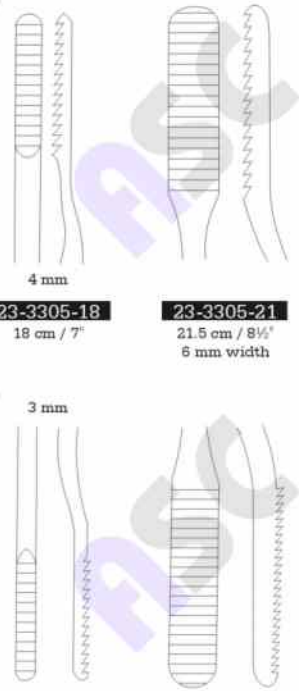
Miller-Colburn
23-3295-18
18 cm / 7"
Double ended, cross serrations



Miller-Colburn
23-3301-21
21.5 cm / 8½"
Double ended, 13 mm width
Cross serrations, for rapid shaping of bone



Polokoff Rasp
Double ended, plain serrations



Bone Files
Knochenfeilen
Lima para huesos

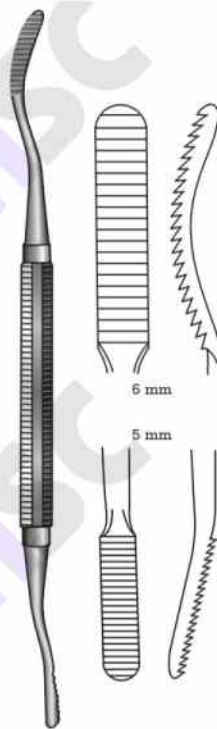


Miller-Colburn

23-0591-01

18 cm / 7"

Double ended, plain serrations

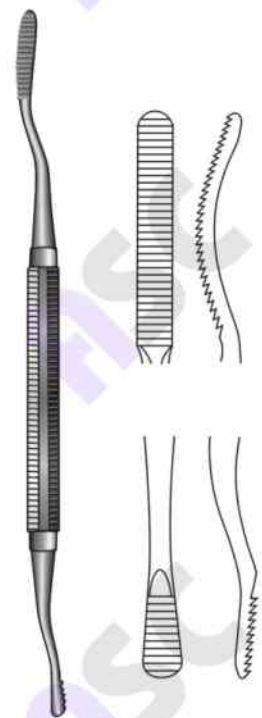


Miller-Colburn

23-0591-02

18.5 cm / 7 1/4"

Double ended, plain serrations

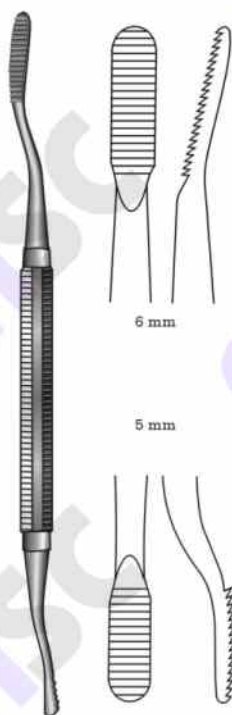


Miller-Colburn

23-0591-03

18 cm / 7"

Double ended, 5 mm width,
plain serrations

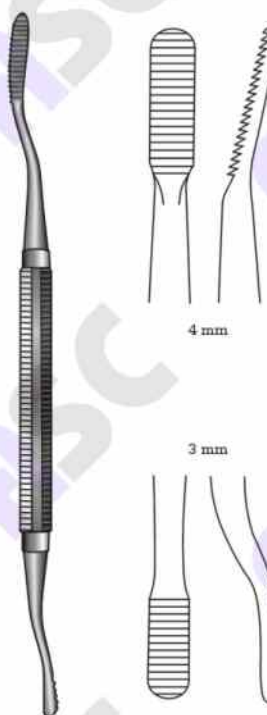


Miller-Colburn

23-0591-04

18 cm / 7"

Double ended, plain serrations



Miller-Colburn

23-3310-18

18 cm / 7"

Double ended

Bone Drills, Reamers, Wire Saws
Bohrinstrumente, Pfierme, Drahtsagen
Instrumentos para perforar, Escariador, Sierras de hilo



Adson
23-3315-15
15 cm / 6"
Drill guide



23-3320-14
14 cm / 5½"



23-3325-14
14 cm / 5½"

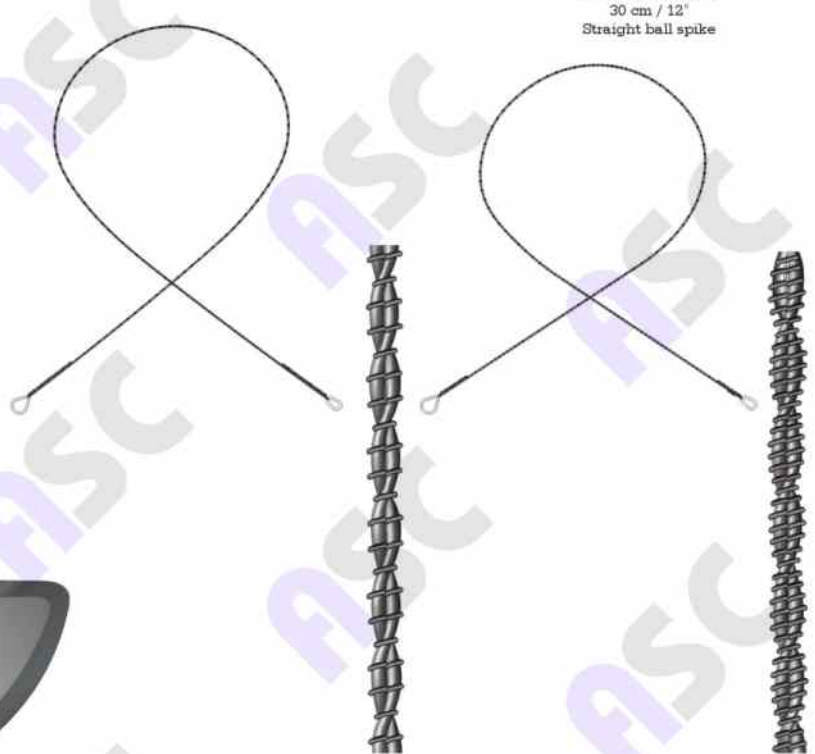


23-3330-30
30 cm / 12"
Straight ball spike



Perthes
23-3335-18
18 cm / 7"

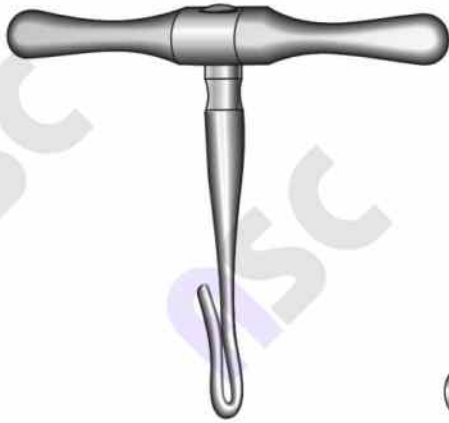
Perthes
23-3340-21
21 cm / 8¼"



Olivecrona
23-3345-30 30 cm / 12"
23-3345-40 40 cm / 16"
23-3345-50 50 cm / 20"
23-3345-70 70 cm / 28"

Gigli
23-3350-30 30 cm / 12"
23-3350-40 40 cm / 16"
23-3350-50 50 cm / 20"
23-3351-50 50 cm / 20"
Fine, 6 wires twisted

Amputating, Resection Saws, Handles
Amputation-, Resektionssägen, Griffe
Sierras para amputación y resección, Mangos



Gigli
23-3355-00
Handle



Gigli
23-3360-00
Handle with lock



Engel
23-3365-00



Lindemann
23-3370-20
20 cm / 8"



Langenbeck
23-3375-23
23 cm / 9"



Charriere
23-3380-35
35 cm / 14"



Charriere
23-3385-27 27 cm / 10 1/2"
23-3385-30 30 cm / 12"
23-3385-34 34 cm / 13 1/2"



Satterlee
23-3390-30
Blade 23 cm / 9"

Retractor, Amputation, Resection Saws
Wundhaken, Amputation- und Resektionssägen
Separadores, Sierras para amputación y resección



23-3395-30
30 cm / 11 3/4"
Blade 20 cm
Post mortem saw



Butcher
23-3401-00
Blade 45 cm
Post mortem saw



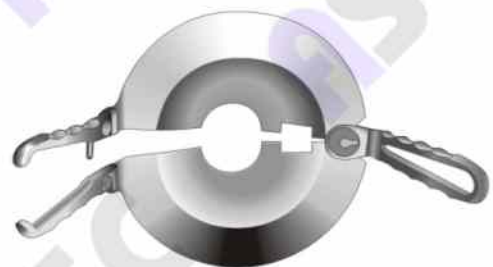
23-3405-00
Blade 40 cm
Post mortem saw



Bier
23-3410-42
42 cm / 16 1/2"
Length of blade 27 cm / 10 1/2"
Complete with one saw blade each
4 mm, 6 mm, 8 mm



Rust
23-3415-39
39 cm / 15 1/4"
Length of blade
Complete with one saw blade
each 8 mm, 12 mm



Percy
23-3420-00

Hand Drills
Handbohrapparate
Perforadoras a mano



Hudson
23-3435-00
Extension piece



23-3436-00
9 mm \emptyset
Conical burr



23-3437-00
14 mm \emptyset
Conical burr



23-3438-00
16 mm \emptyset
Spherical burr



23-3439-00
22 mm \emptyset
Spherical burr



23-3440-00
14 mm \emptyset
Flat trephine



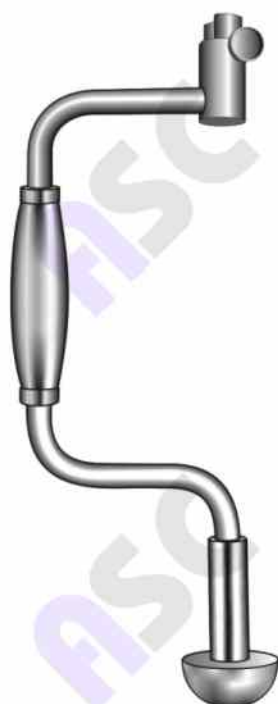
23-3441-00
2 mm \emptyset
Twist drill



23-3442-00
13 mm \emptyset
Burr



23-3443-00
16 mm \emptyset
Burr



Hudson
27 cm / 10 $\frac{3}{4}$ "
23-3425-27
Complete set with Stainless steel handles
23-3426-27
Complete set with Ferrozell handles
23-3427-27
Complete set with Teflon handles

Hudson
27 cm / 10 $\frac{3}{4}$ "
23-3430-27
Brace only with Stainless steel handles
23-3431-27
Brace only with Ferrozell handles
23-3432-27
Brace only with Teflon handles



Stille-Sherman

23-3445-24
24 cm / 9½"

23-3445-00
Complete set



23-3450-00
2.5 mm Ø
Twist Drill

23-3451-00
3 mm Ø
Twist Drill

23-3452-00
3.5 mm Ø
Twist Drill



Stille

23-3455-20
20 cm / 8"

23-3455-00
Complete set



23-3456-00
2.5 mm Ø
Twist Drill

23-3457-00
3 mm Ø
Twist Drill

23-3458-00
3.5 mm Ø
Twist Drill

23-3459-00
4 mm Ø
Twist Drill

23-3460-00
10 mm Ø
Trephine

23-3461-00
5 mm Ø
Spherical Burr



23-3462-00
8 mm Ø
Spherical Burr

23-3463-00
12 mm Ø
Spherical Burr

23-3464-00
16 mm Ø
Spherical Burr

23-3465-00
1 mm Ø
Twist Drill

23-3466-00
1.5 mm Ø
Twist Drill

23-3467-00
2 mm Ø
Twist Drill

Hand Drills
Handbohrapparate
Perforadoras a mano



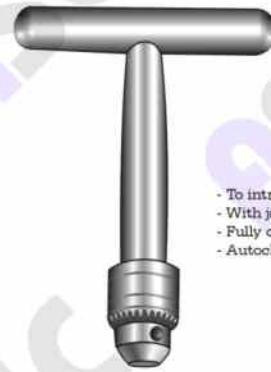
23-3470-00

Handle with chuck and key, accommodating up to 6.35 mm (1/4"), perforated, for inserting and extracting nails, guide pins and wire guide drills.



23-3476-00

Key only



Pin Chuck

23-3475-15

15 cm / 6"

23-3475-14

14 cm / 5 1/2"

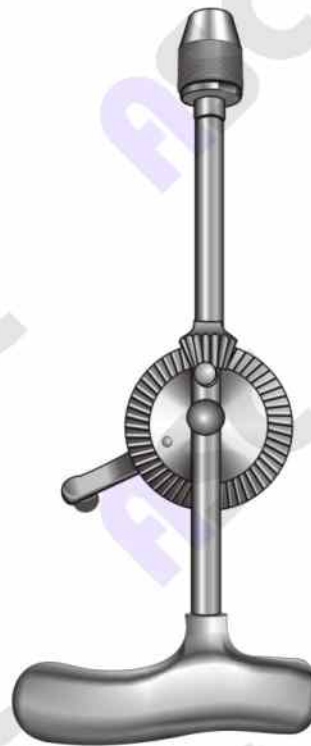
- To introduce bone pin
- With jacob chuck
- Fully cannulated
- Autoclaveable

6.35 mm

4.50 mm



23-3480-00



Moore

23-3485-00



23-3486-00

9 cm
3.2 mm Ø



23-3487-00

7 cm
3.2 mm Ø

23-3488-00

Complete with a set of twist drill ref. 23-3486-00, 23-3487-00

Hand Drills, Chuck
Handbohrapparate, Griffe
Perforadoras a mano, Mangos



Bunnell
23-3490-24
24 cm / 9½"



Ralk
23-3495-00 Normal shaft
23-3496-00 Long shaft



Jacobs
23-3501-00 Small
23-3502-00 Large
Stainless steel



23-3505-00
Key for Jacobs chuck
Stainless steel



23-3510-00 Small
23-3511-00 Large
Chuck chrome plated



23-3512-00
Key for
chrome plated chuck

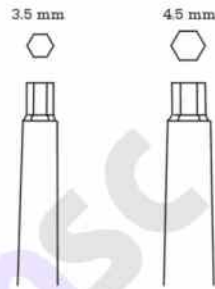
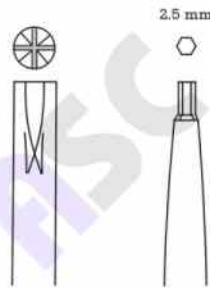
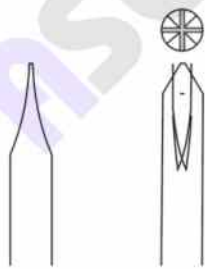


23-3515-00
American model

Screw Drivers
Schraubenzieher
Destornilladores



Williams
23-3520-24
24 cm / 9½"



23-3565-00
Sleeve only

23-3566-00
2.5 mm



23-3525-17
17 cm / 6¾"
Ferrozell handle



Lane
23-3530-25
25 cm / 10"
Ferrozell handle



23-3535-17
17 cm / 6¾"
23-3535-25
25 cm / 10"
Ferrozell handle



23-3540-17
17 cm / 6¾"
23-3540-25
25 cm / 10"
Ferrozell handle



Hexagon
23-3545-17
17 cm / 6¾"
23-3545-25
25 cm / 10"
Ferrozell handle



Hexagon
23-3550-17
17 cm / 6¾"
23-3550-25
25 cm / 10"
Ferrozell handle



Hexagon
23-3555-17
17 cm / 6¾"
23-3555-25
25 cm / 10"
Ferrozell handle



Hexagon
23-3560-18
18 cm / 7"
1.5 mm tip
With sleeve



23-3567-00
3.5 mm

23-3568-00
4.5 mm

Lead Hand
Bleihand
Manopla de plomo



23-3570-00 For children
23-3571-00 For adults

Nail Instruments, Finger Ring Saws
Instrumente für Nägel, Fingerringsägen
Instrumentos para unas, Sierras para abrir anillos



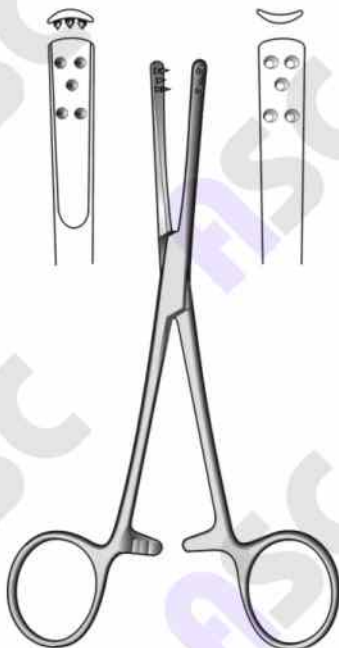
23-3575-17
17 cm / 6 1/4"
Ring cutter



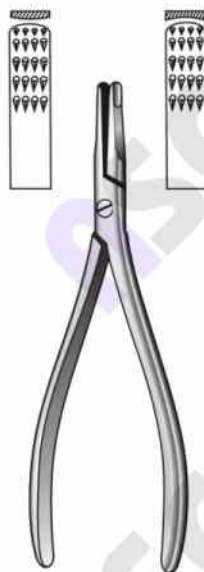
Walton
23-3580-16
16 cm / 6 1/4"
23-3581-16
Spare blade for ring cutters



23-3585-17
17 cm / 6 1/4"
Ring cutter



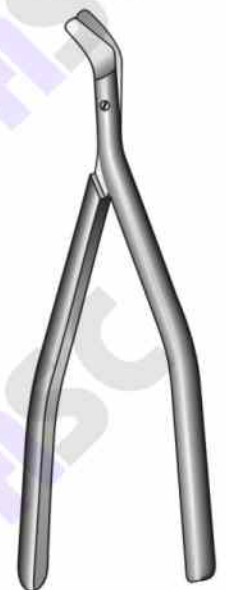
Penner
23-3590-15
15.5 cm / 6"



Radolf
23-3595-13
13.5 cm / 5 1/4"



23-3601-14
14.5 cm / 5 3/4"
Nail extracting forceps



Coupe Clamp
23-3605-14
14 cm / 5 1/2"
Plastic

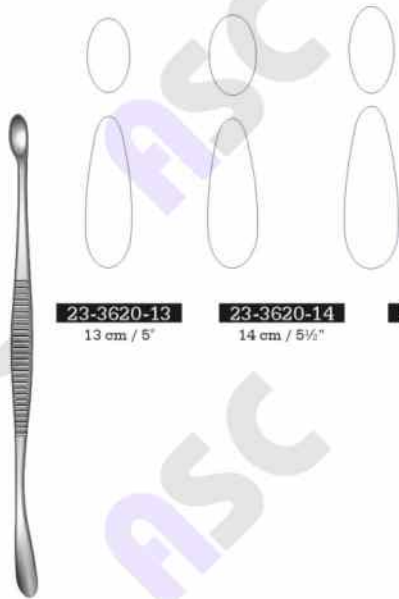
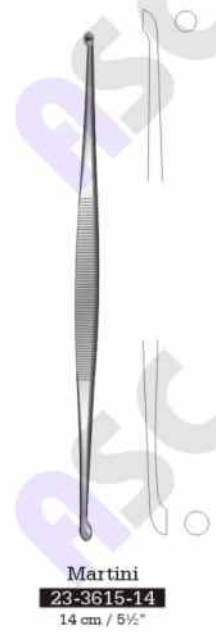
Bone Curettes, double ended
Scharfe Löffel
Cucharillas cortantes dobles



23-0459-00
Fig. 00/0

23-0459-01
Fig. 0/1

23-0459-12
Fig. 1/2



Volkman

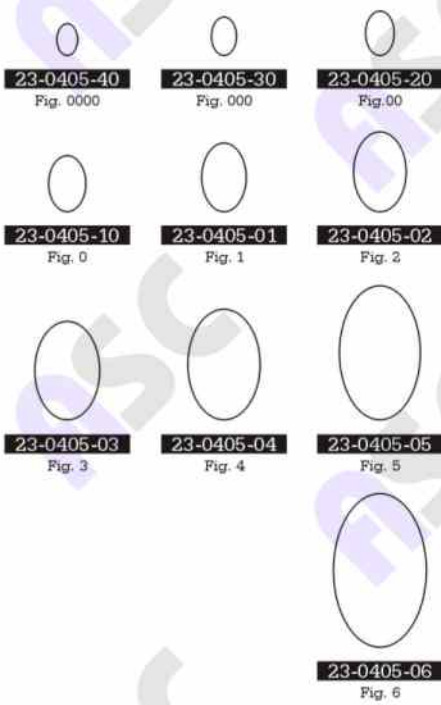


Volkman

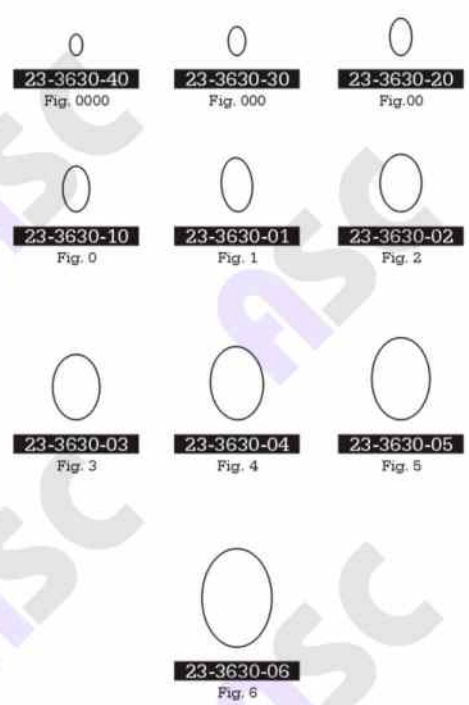
Bone Currettes
Scharfe Löffel
Cucharillas cortantes



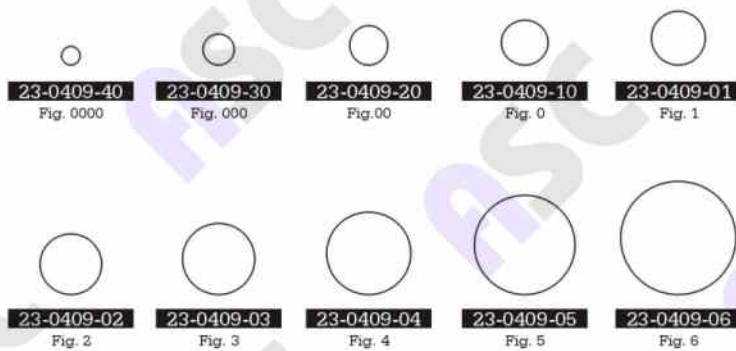
Volkman
17 cm / 6 3/4"



Spratt
17 cm / 6 3/4"



Bruns
17 cm / 6 3/4"





Scheide

23-3635-30
Fig. 000

23-3635-20
Fig.00

23-3635-10
Fig. 0

23-3635-01
Fig. 1

23-3635-02
Fig. 2

23-3635-03
Fig. 3

23-3635-04
Fig. 4

23-2055-00
Fig. 00

23-2056-00
Fig. 00

23-2055-01
Fig. 0

23-2056-01
Fig. 0

23-2055-02
Fig. 1

23-2056-02
Fig. 1

23-2055-03
Fig. 2

23-2056-03
Fig. 2

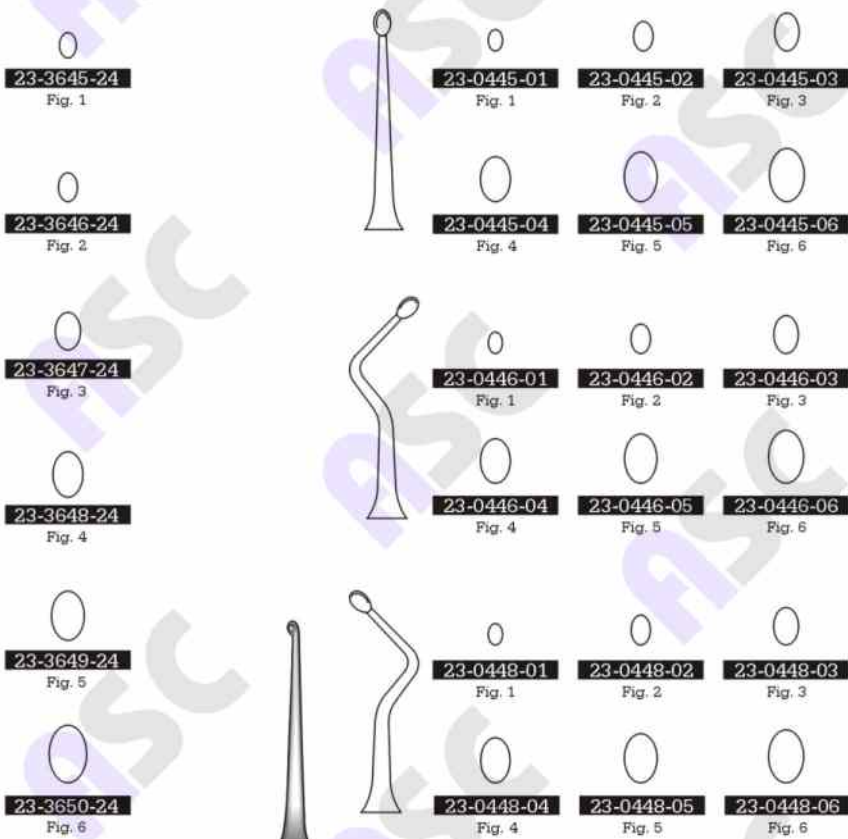


Williger
17,5 cm / 7"



25 cm / 9 3/4"

Bone Curettes
 Scharfe Löffel
 Cucharillas cortantes



Simon
 24 cm / 9½"



Mod. USA
 16 cm / 6¼"

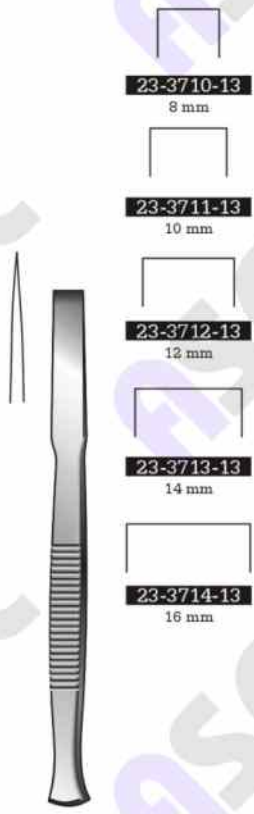


Halle
 21 cm / 8¼"

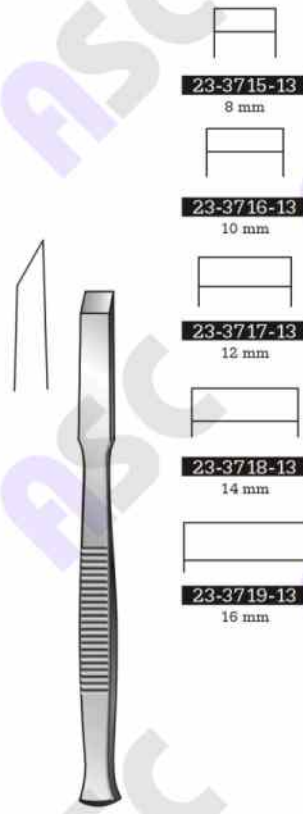


			
23-0381-40 Fig. 0000	23-3660-27 Fig. 0	23-3670-23 Straight 23-3680-23 Angled 45° Fig. 000	23-3690-28 Straight 23-3700-28 Angled 45° Fig. 000
23-0381-30 Fig. 000	23-3661-27 Fig. 1	23-3671-23 Straight 23-3681-23 Angled 45° Fig. 00	23-3691-28 Straight 23-3701-28 Angled 45° Fig. 00
23-0381-20 Fig. 00	23-3662-27 Fig. 2	23-3672-23 Straight 23-3682-23 Angled 45° Fig. 0	23-3692-28 Straight 23-3702-28 Angled 45° Fig. 0
23-0381-10 Fig. 0	23-3663-27 Fig. 3	23-3673-23 Straight 23-3683-23 Angled 45° Fig. 1	23-3693-28 Straight 23-3703-28 Angled 45° Fig. 1
23-0381-01 Fig. 1	23-3664-27 Fig. 4	23-3674-23 Straight 23-3684-23 Angled 45° Fig. 2	23-3694-28 Straight 23-3704-28 Angled 45° Fig. 2
23-0381-02 Fig. 2		23-3675-23 Straight 23-3685-23 Angled 45° Fig. 3	23-3695-28 Straight 23-3705-28 Angled 45° Fig. 3
23-0381-03 Fig. 3		23-3676-23 Straight 23-3686-23 Angled 45° Fig. 4	23-3696-28 Straight 23-3706-28 Angled 45° Fig. 4
23-0381-04 Fig. 4		23-3677-23 Straight 23-3687-23 Angled 45° Fig. 5	23-3697-28 Straight 23-3707-28 Angled 45° Fig. 5
23-0381-05 Fig. 5		23-3678-23 Straight 23-3688-23 Angled 45° Fig. 6	23-3698-28 Straight 23-3708-28 Angled 45° Fig. 6
23-0381-06 Fig. 6			

Bone Osteotomes Chisels, Gouges
 Meißel, Osteotome
 Cinceles, Gubias para huesos



13.5 cm / 5 1/4"
 Osteotomes



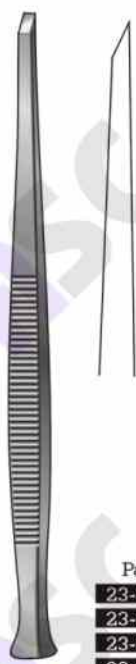
13.5 cm / 5 1/4"
 Chisels



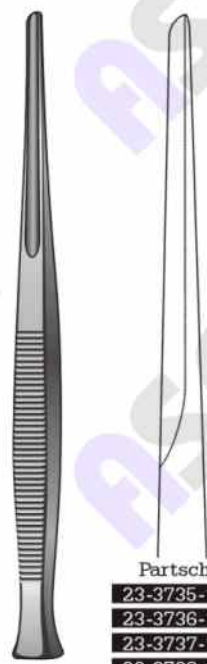
13.5 cm / 5 1/4"
 Gouges



Gillies
 23-3725-14 6 mm
 23-3726-14 7 mm
 23-3727-14 9 mm
 14 cm / 5 1/2"
 Osteotomes

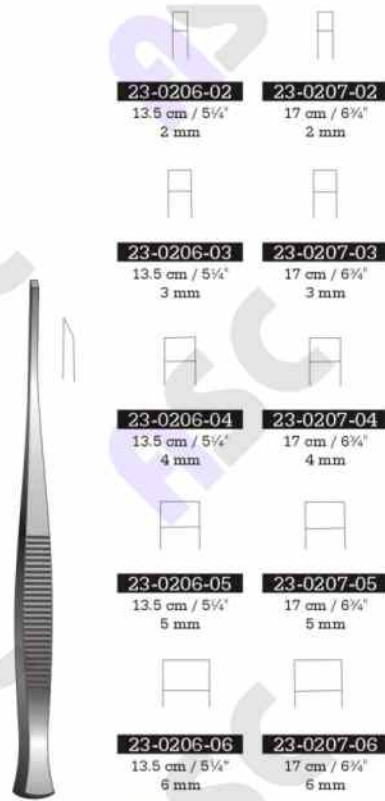


Partsch
 23-3730-17 3 mm
 23-3731-17 4 mm
 23-3732-17 5 mm
 23-3733-17 6 mm
 23-3734-17 7 mm
 17 cm / 6 3/4"
 Chisels

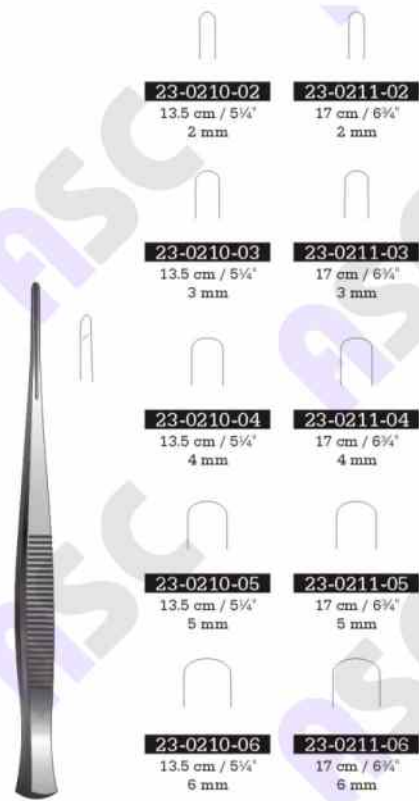


Partsch
 23-3735-17 3 mm
 23-3736-17 4 mm
 23-3737-17 5 mm
 23-3738-17 6 mm
 23-3739-17 7 mm
 17 cm / 6 3/4"
 Gouges

Bone Osteotomes Chisels, Gouges
Meißel, Osteotome
Cinceles, Gubias para huesos



Partsch
Chisels



Partsch
Gouge



Alexander
18 cm / 7"
Chisels



Alexander
18 cm / 7"
Gouge



Bone Osteotomes Chisels, Gouges
 Meißel, Osteotome
 Cinceles, Gubias para huesos



Lucas
 23-3760-16 4 mm
 23-3761-16 6 mm
 16 cm / 6 1/4"



Lucas
 23-3765-16 3 mm
 23-3766-16 5 mm
 16 cm / 6 1/4"



Cottle
 23-3770-18 4 mm
 23-3771-18 6 mm
 23-3772-18 8 mm
 23-3773-18 10 mm
 23-3774-18 12 mm
 18 cm / 7"
 With depth markings



Cottle
 23-3780-18 4 mm
 23-3781-18 7 mm
 23-3782-18 9 mm
 23-3783-18 12 mm
 18 cm / 7"
 With depth markings



Cottle
 23-3785-18
 18 cm / 7"
 8 mm
 Fishtail chisel, with protected ends



East Grinstead (Ward)
 23-3790-18 3 mm
 23-3791-18 5 mm
 18 cm / 7"

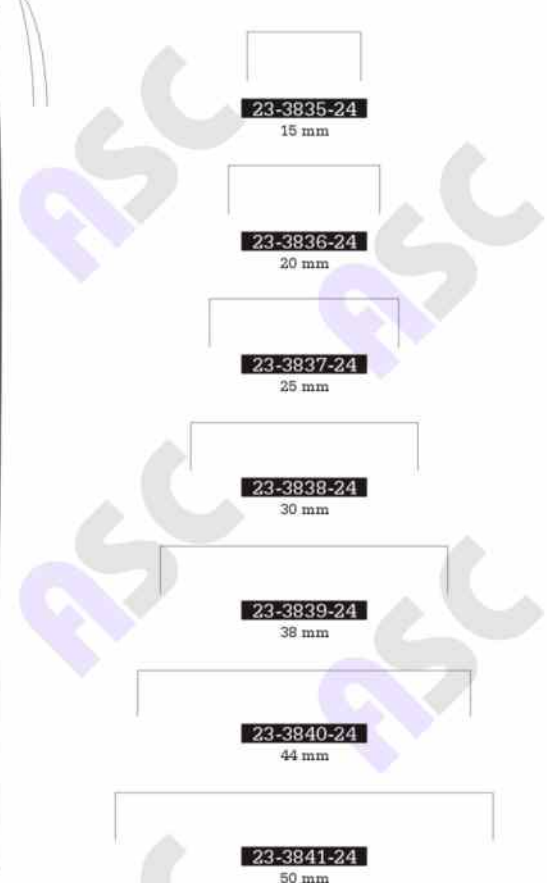
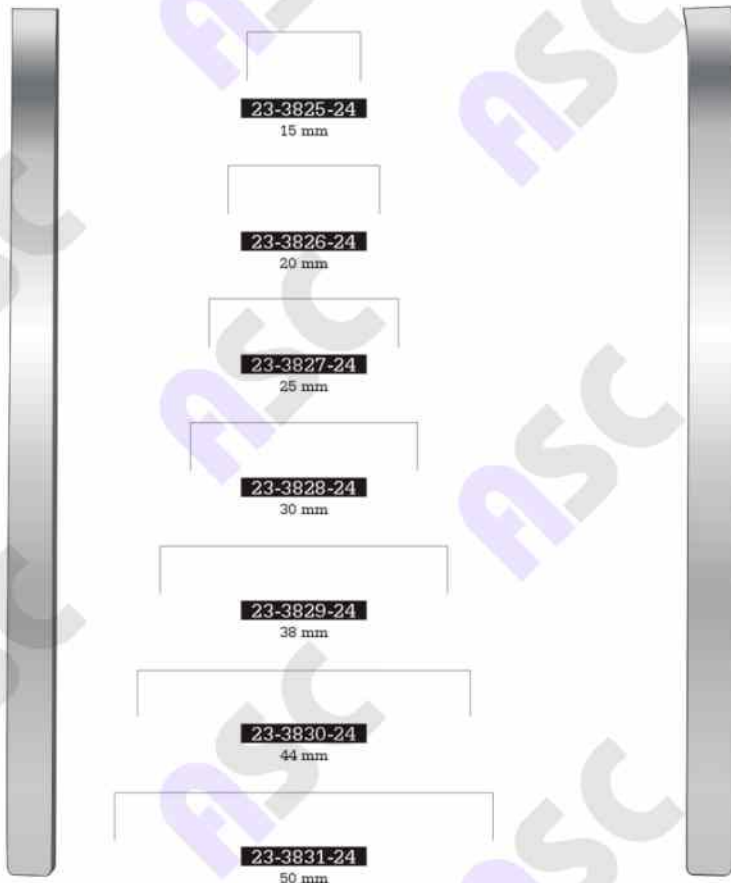
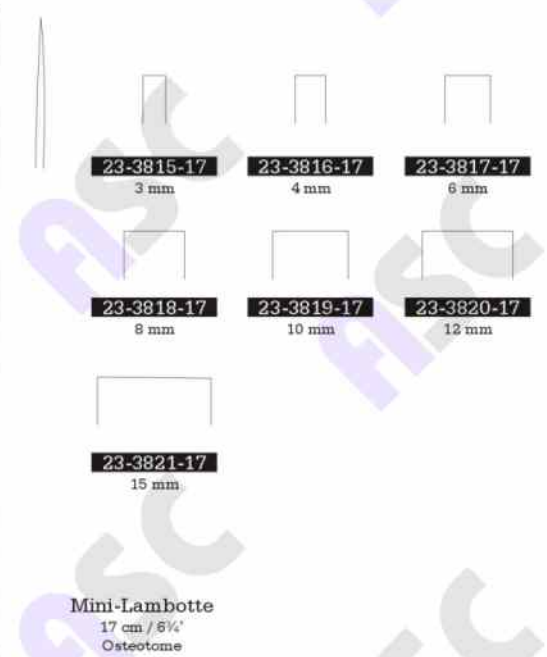
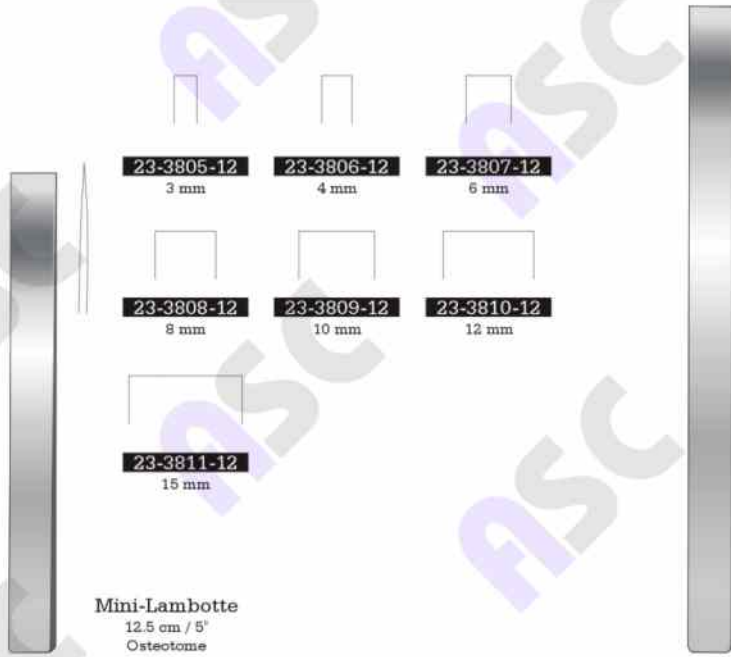


Eastmann
 23-3795-19 3 mm
 23-3796-19 5 mm
 19 cm / 7 1/2"



East Grinstead (Ward)
 23-3800-18 3 mm
 23-3801-18 5 mm
 18 cm / 7"

Bone Osteotomes Chisels, Gouges
Meißel, Osteotome
Cinceles, Gubias para huesos



Bone Osteotomes Chisels, Gouges
 Meißel, Osteotome
 Cinceles, Gubias para huesos



Key

- 23-3865-19** 19 cm / 7½"
- 23-3865-21** 21 cm / 8¼"

Periosteal elevator



Stille

- 23-3870-20** 10 mm
- 23-3871-20** 12 mm
- 23-3872-20** 15 mm
- 23-3873-20** 20 mm
- 23-3874-20** 25 mm

20.5 cm / 8"
Chisels



Stille

- 23-3880-20** 10 mm
- 23-3881-20** 12 mm
- 23-3882-20** 15 mm
- 23-3883-20** 20 mm
- 23-3884-20** 25 mm

20.5 cm / 8"
Gouges



Stille

- 23-3890-20** 10 mm
- 23-3891-20** 12 mm
- 23-3892-20** 15 mm
- 23-3893-20** 20 mm
- 23-3894-20** 25 mm

20.5 cm / 8"
Gouges



Stille

- 23-3900-20** 8 mm
- 23-3901-20** 10 mm
- 23-3902-20** 12 mm
- 23-3903-20** 15 mm
- 23-3904-20** 20 mm
- 23-3905-20** 25 mm

20.5 cm / 8"
Osteotomes



Stille

- 23-3910-20** 10 mm
- 23-3911-20** 12 mm
- 23-3912-20** 15 mm
- 23-3913-20** 20 mm
- 23-3914-20** 25 mm

20.5 cm / 8"
Osteotomes, straight



Stille

- 23-3920-20** 10 mm
- 23-3921-20** 12 mm
- 23-3922-20** 15 mm
- 23-3923-20** 20 mm
- 23-3924-20** 25 mm

20.5 cm / 8"
Osteotomes, curved

Bone Osteotomes Chisels, Gouges
Meißel, Osteotome
Cinceles, Gubias para huesos

23-3930-20

23-3940-20
6 mm

23-3931-20
9 mm

23-3941-20
9 mm

23-3932-20
13 mm

23-3942-20
13 mm

23-3933-20
16 mm

23-3943-20
16 mm

23-3950-20
9 mm

23-3955-20
9 mm

23-3934-20
19 mm

23-3944-20
19 mm

23-3951-20
14 mm

23-3956-20
14 mm

23-3935-20
25 mm

23-3945-20
25 mm

23-3952-20
19 mm

23-3957-20
19 mm

23-3936-20
32 mm

23-3946-20
32 mm

23-3953-20
25 mm

23-3958-20
25 mm

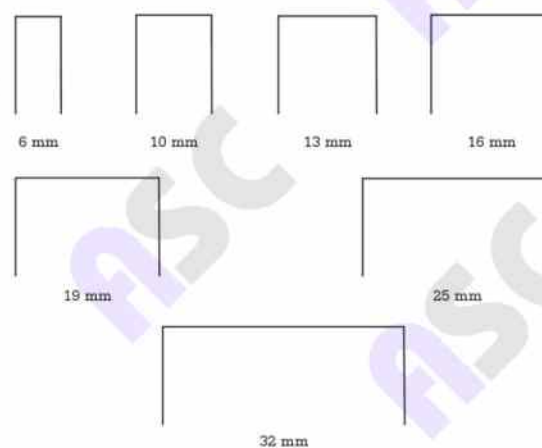
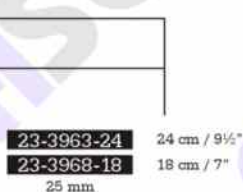
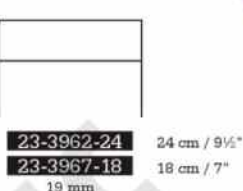
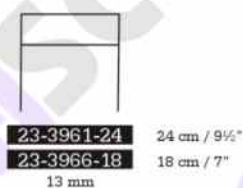
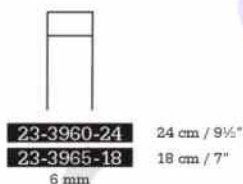
Smith Peterson
20 cm / 8"

Smith Peterson
20 cm / 8"

Smith Peterson
20 cm / 8"

Smith Peterson
20 cm / 8"

Bone Osteotomes Chisels, Gouges
 Meißel, Osteotome
 Cinceles, Gubias para huesos



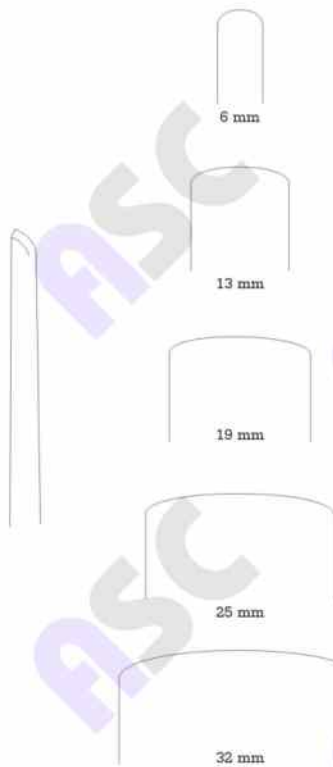
23-3970-24	6 mm	23-3990-24
23-3971-24	10 mm	23-3991-24
23-3972-24	13 mm	23-3992-24
23-3973-24	16 mm	23-3993-24
23-3974-24	19 mm	23-3994-24
23-3975-24	25 mm	23-3995-24
23-3976-24	32 mm	23-3996-24
24 cm / 9 1/2"		24 cm / 9 1/2"
Straight		Curved
23-3980-18	6 mm	23-4001-18
23-3981-18	10 mm	23-4002-18
23-3982-18	13 mm	23-4003-18
23-3983-18	16 mm	23-4004-18
23-3984-18	19 mm	23-4005-18
23-3985-18	25 mm	23-4006-18
23-3986-18	32 mm	23-4007-18
18 cm / 7"		18 cm / 7"
Straight		Curved



Hibbs / Hilder
 Chisel

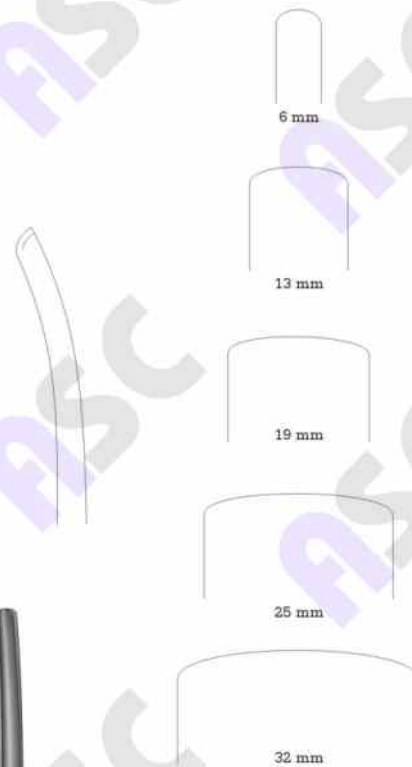


Hibbs / Hilder
 Osteotome



23-4010-18	6 mm	23-4010-23
23-4011-18	13 mm	23-4011-23
23-4012-18	19 mm	23-4012-23
23-4013-18	25 mm	23-4013-23
23-4014-18	32 mm	23-4014-23
18 cm / 7"		23 cm / 9"
Straight		Straight

Hilder
Gouge



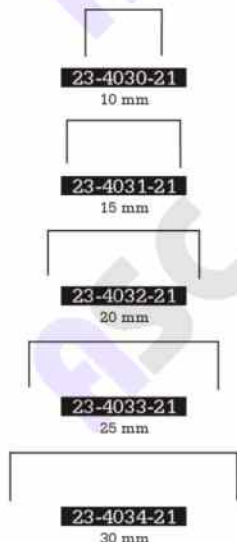
23-4020-18	6 mm	23-4020-23
23-4021-18	13 mm	23-4021-23
23-4022-18	19 mm	23-4022-23
23-4023-18	25 mm	23-4023-23
23-4024-18	32 mm	23-4024-23
18 cm / 7"		23 cm / 9"
Curved		Curved

Hilder
Gouge

Chisels
Flachmeißel
Cinceles



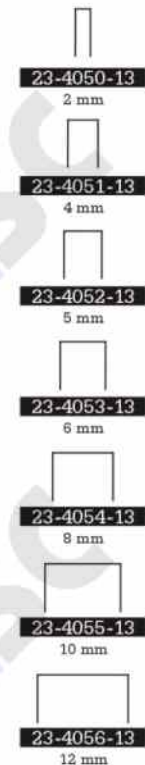
Farabeuf
21 cm / 8 1/4"
Osteotome



Farabeuf
25 cm / 10"
Chisel



Hautant
13 cm / 5"
Chisel



Judet
22 cm / 8 1/4"
Chisel



Letourne
35 cm / 14"
Gouge





23-4075-21
35 mm

Laucas Championniere
21 cm / 8¼"



23-4080-20
10 mm

23-4081-20
15 mm

23-4082-20
20 mm

Maceven
20 cm / 8"



23-4085-13
3.5 mm

Mante
13 cm / 5"



23-4090-14
10 mm

23-4091-14
15 mm

23-4092-14
20 mm

Ombredanne
14 cm / 5½"



23-4100-00 14 cm
23-4105-00 17 cm

2 mm

23-4101-00 14 cm
23-4106-00 17 cm

3 mm

23-4102-00 14 cm
23-4107-00 17 cm

4 mm

23-4103-00 14 cm
23-4108-00 17 cm

6 mm

23-4104-00 14 cm
23-4109-00 17 cm

8 mm

Partsch



23-4115-16
4 mm

23-4116-16
6 mm

23-4117-16
8 mm

23-4118-16
10 mm

23-4119-16
12 mm

23-4120-16
14 mm

Poirier
16 cm / 6¼"



23-4125-16
6 mm

23-4126-16
8 mm

23-4127-16
10 mm

23-4128-16
12 mm

Portmann
16 cm / 6¼"

Gouges
Hohlmeißel
Gubias



- 23-4130-30
Straight
- 23-4131-30
Half curved
- 23-4132-30
Curved



- 23-4135-28
8 mm
- 23-4136-16
10 mm
- 23-4137-16
12 mm

Cobb
30 cm / 11 1/2"
Blade 6 mm

Cobb
28 cm / 11"



- 23-4140-24
2 mm
- 23-4141-24
4 mm
- 23-4142-24
6 mm
- 23-4143-24
8 mm

Guillaume
24 cm / 9 1/2"



- 23-4145-13
2 mm
- 23-4146-13
4 mm
- 23-4147-13
5 mm
- 23-4148-13
6 mm
- 23-4149-13
8 mm
- 23-4150-13
10 mm
- 23-4151-13
12 mm

Hautant
13 cm / 5"



- 23-4155-29
Straight
- 23-4156-29
Concave
- 23-4157-29
29.5 cm / 11 1/2"

Horton
29.5 cm / 5"



Poirier-Trillat
20 cm / 8"

23-4160-20

4 mm

23-4161-20

6 mm

23-4162-20

8 mm

23-4163-20

10 mm

23-4164-20

12 mm

23-4165-20

14 mm



Poirier
16 cm / 6 1/4"

23-4170-16

2 mm

23-4171-16

4 mm

23-4172-16

6 mm

23-4173-16

8 mm

23-4174-16

10 mm

23-4175-16

12 mm

23-4176-16

14 mm



Postel
25 cm / 10"

23-4180-25

Straight

23-4181-25

Angled 135°

23-4182-25

Angled 150°

8 mm

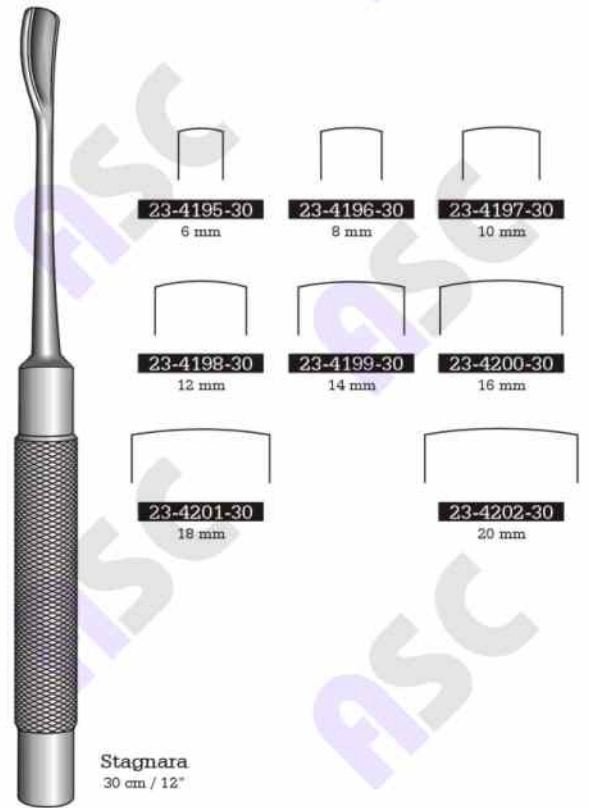
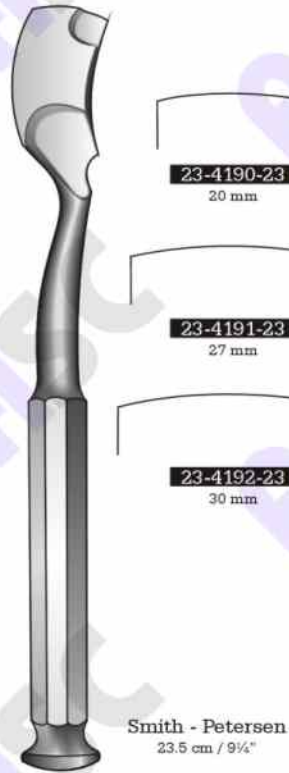


Putti
25 cm / 10"

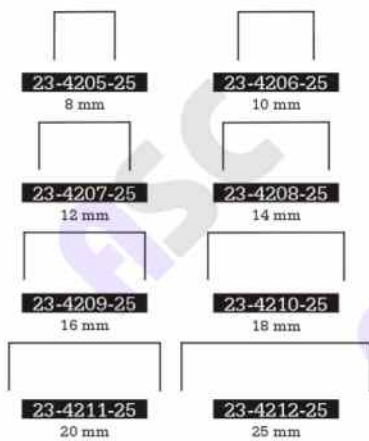
23-4185-25

30 mm

Osteotomes, Gouges
Meißel, Osteotome
Osteotomos, Gubias



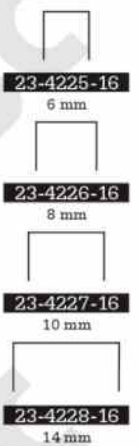
Cauchoix
25 cm / 10"



Farabeuf
21 cm / 8 1/4"



Robin
16 cm / 6 1/4"



Bone Chisels, Gouges
Meißel, Osteotome
Cinceles, Gubias para huesos



Lebsche
23-4230-24
24.5 cm / 9 1/4"



Virchow
23-4235-00
Skull breaker



23-4240-22
22 cm / 8 3/4"



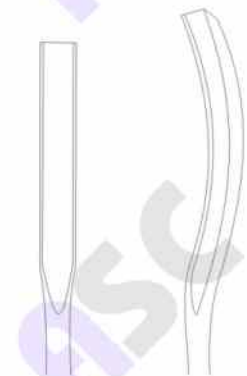
Brunetti
23-4245-28
28 cm / 11"
Left



Brunetti
23-4250-28
28 cm / 11"
Right



Cobb
23-4255-29 Tip 10 mm
23-4256-29 Tip 13 mm
23-4257-29 Tip 19 mm
29 cm / 11 1/2"
Spinal elevator



23-4261-28 Straight
23-4262-28 Medium curve



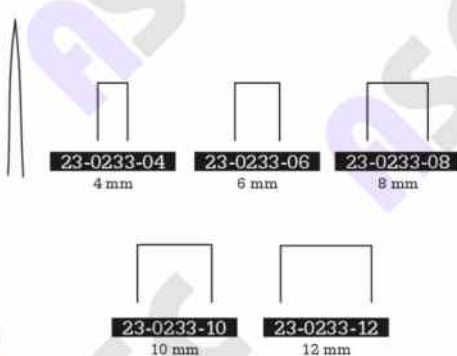
23-4263-28 Strong curve
23-4264-28 Reverse curve

Cobb
23-4260-28
28 cm / 11"
Spinal gouge
7 mm blade width

Bone Osteotomes Chisels, Gouges
Osteotome, Hohlmeißel
Cinceles, Gubias para huesos



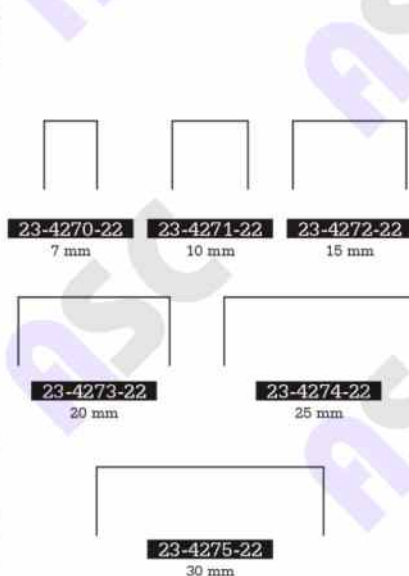
Mini-Lexer
18 cm / 7"
Ferrozell handle



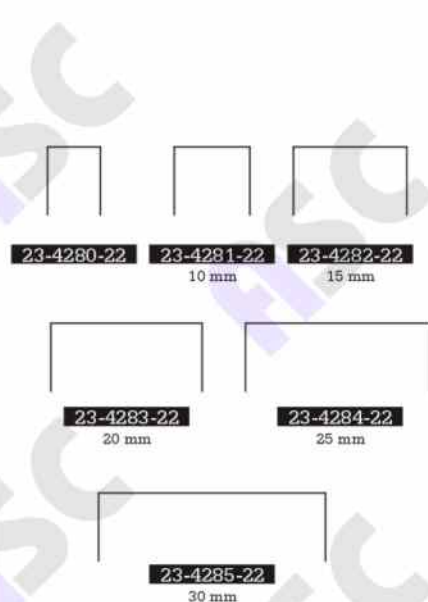
Mini-Lexer
18 cm / 7"
Ferrozell handle



Lexer
22 cm / 8 3/4"
Ferrozell handle



Lexer
22 cm / 8 3/4"
Ferrozell handle





Lexer
25 cm / 10"
Ferrozell handle



23-4300-25
5 mm



23-4301-25
10 mm



23-4302-25
15 mm



Lexer
25 cm / 10"
Ferrozell handle



23-4305-25
5 mm



23-4306-25
10 mm



23-4307-25
15 mm

Bone Osteotome Chisels, Gouges
Meißel, Osteotome
Cinceles, Gubias para huesos



23-4310-24
24.5 cm / 9 1/2"
20 mm
Ferrozell handle

23-4315-26
26.5 cm / 10 1/2"
16 mm
Ferrozell handle, curved

Lexer
23-4320-27 10 mm
23-4321-27 15 mm
27.5 cm / 10 3/4"
Ferrozell handle

Lexer
23-4325-27 10 mm
23-4326-27 15 mm
27.5 cm / 10 3/4"
Ferrozell handle



23-4330-25 5 mm
23-4331-25 10 mm
23-4332-25 15 mm
25 cm / 10"
Ferrozell handle
Spongiosa gouge

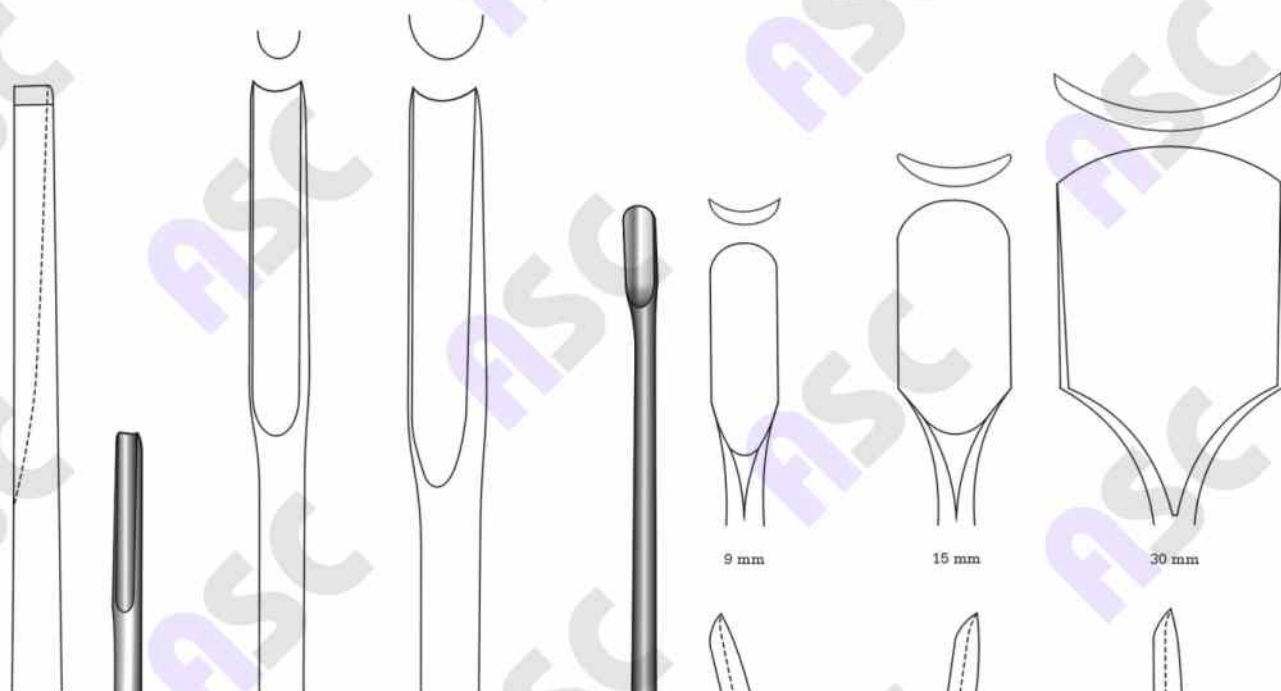


Lamina
23-4335-23 6 mm
23-4336-23 8 mm
23-4337-23 11 mm
23-4338-23 16 mm
23.5 cm / 9 1/4"
Ferrozell handle



23-4340-25 5 mm
23-4341-25 10 mm
23-4342-25 15 mm
25 cm / 10"
Curved
Ferrozell handle
Spongiosa gouge

Gouges
Hohlmeißel
Gubias



23-4345-28

23-4346-28

9 mm

15 mm

30 mm

23-4350-34	9 mm	23-4355-34	9 mm	23-4360-34	9 mm
23-4351-34	15 mm	23-4356-34	15 mm	23-4361-34	15 mm
23-4352-34	30 mm	23-4357-34	30 mm	23-4362-34	30 mm
Inclined forward		Inclined backward		Straight	



Lexer
28 cm / 11"
Ferozell handle
Spongiosa gouge



Wagner
34 cm / 13½"
Ferozell handle

Chisel Blades, Chisel Handles
Meißelklingen, Meißelgriffe
Hojas de cincel, Mangos para hojas de cincel



23-4365-18
18.5 cm / 7 1/4"
Handle, only
Ferozell handle



5 mm
23-4366-08
8.5 cm / 3 1/4"



10 mm
23-4367-08
8.5 cm / 3 1/4"



16 mm
23-4368-08
8.5 cm / 3 1/4"



25 mm
23-4369-08
8.5 cm / 3 1/4"

Osteotome blades,
interchangeable



5 mm
23-4370-08
8.5 cm / 3 1/4"



10 mm
23-4371-08
8.5 cm / 3 1/4"

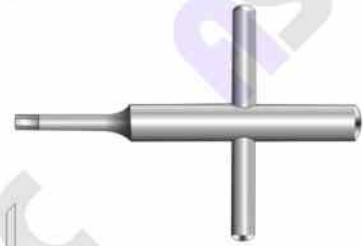


16 mm
23-4372-08
8.5 cm / 3 1/4"



25 mm
23-4373-08
8.5 cm / 3 1/4"

Chisel blades,
interchangeable

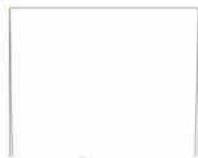


23-4375-09
9 cm / 3 1/2"
Key
23-4376-00
Spare screw



Gouge blades,
interchangeable

Radius 50 mm



25 mm
23-4380-13
13.5 cm / 5 1/4"

Radius 60 mm



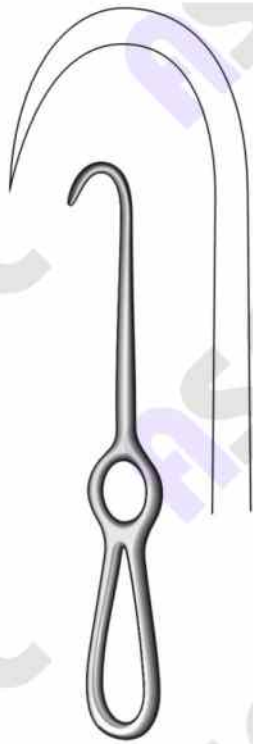
25 mm
23-4381-13
13.5 cm / 5 1/4"

Radius 70 mm

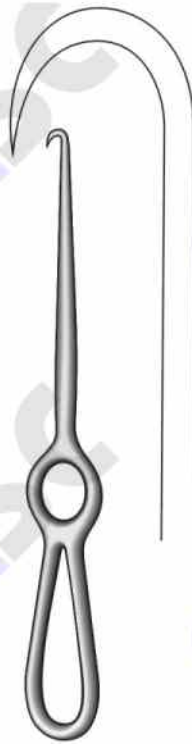


25 mm
23-4382-13
13.5 cm / 5 1/4"

Bone Hooks
Knochenhaken
Ganchos para huesos



Volkmann
23-4385-20
20 cm / 8"
19 x 27 mm
Sharp



Volkmann
23-4390-23
23 cm / 9"
15 x 20 mm
Sharp



Volkmann
23-4395-25
25 cm / 9 3/4"
15 x 20 mm
Sharp



23 cm / 9"
Sharp
Bone hook with grip handle



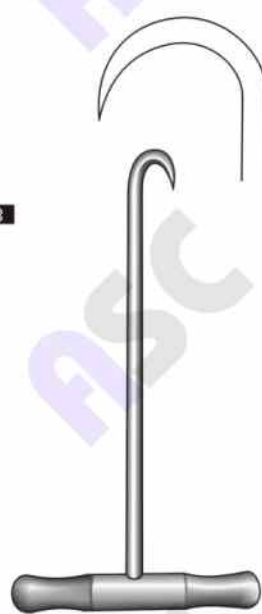
23-4400-23
6 x 10 mm
Small



23-4401-23
11 x 18 mm
Medium



23-4402-23
12 x 30 mm
Large



23-4405-18
18 cm / 7"
18 x 21 mm
Sharp with T-handle
large, for femurs



Zygoma
23-4410-17
17 cm / 6 1/2"

Elevators
Elevatoriën
Elevadores



Williger

- 23-4415-16** Tip 4 mm
 - 23-4416-16** Tip 5 mm
 - 23-4417-16** Tip 6 mm
 - 23-4418-16** Tip 7 mm
- 16 cm / 6 1/4"



Langenbeck
20 cm / 8"

23-4420-20
Tip 8 mm



23-4421-20
Tip 10 mm



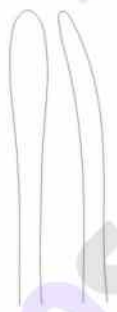
23-4445-17
17 cm / 6 3/4"



8 mm



Langenbeck



23-4450-17
17 cm / 6 3/4"
5 mm



23-4451-17
17 cm / 6 3/4"
7 mm



23-4450-20
20 cm / 8"
8 mm



23-4451-20
20 cm / 8"
10 mm



23-4455-17



23-4456-17



23-4457-17

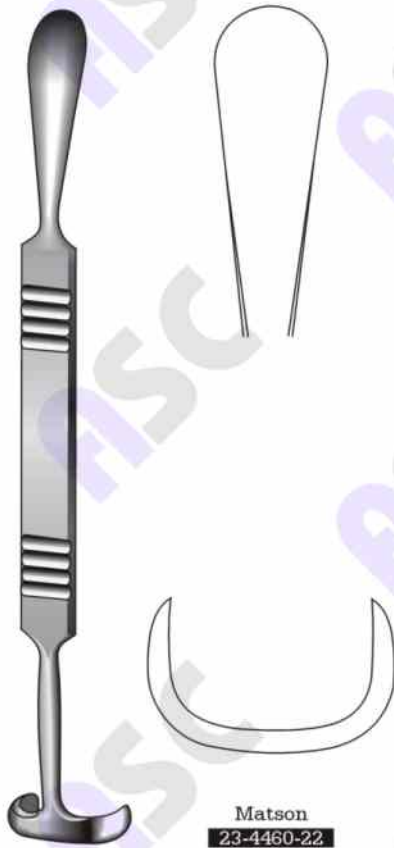


23-4458-17

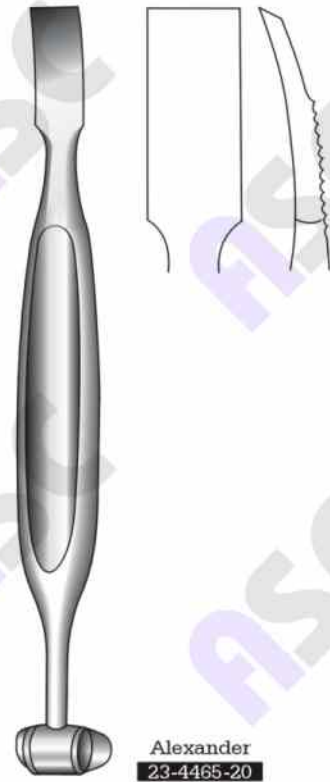


Adson
17 cm / 6 3/4"

Periosteal Elevators
Raspatorien
Legras, Periostotomos



Matson
23-4460-22
22 cm / 8 3/4"



Alexander
23-4465-20
20 cm / 8"



Semb



23-4470-17
17,5 cm / 7"



23-4471-21
21 cm / 8 1/4"



23-4472-17
17,5 cm / 7"



23-4473-21
21 cm / 8 1/4"



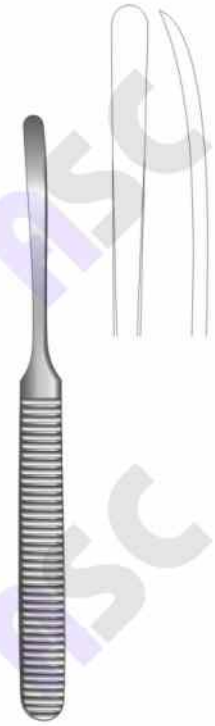
23-4474-20
20,5 cm / 8"



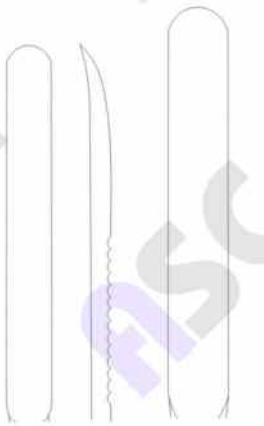
Doyen
17 cm / 6 1/2"



Williger
23-4485-13
13 cm / 5"
5 mm



Williger
23-4490-16 4 mm
23-4491-16 5 mm
23-4492-16 6 mm
23-4493-16 7 mm
15 cm / 6 1/4"



17 cm / 6 1/2"

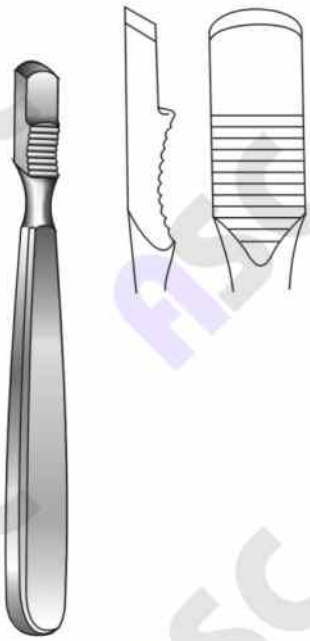


Lambotte
21 cm / 8 1/4"



Konig
23-4505-15
15.5 cm / 6"

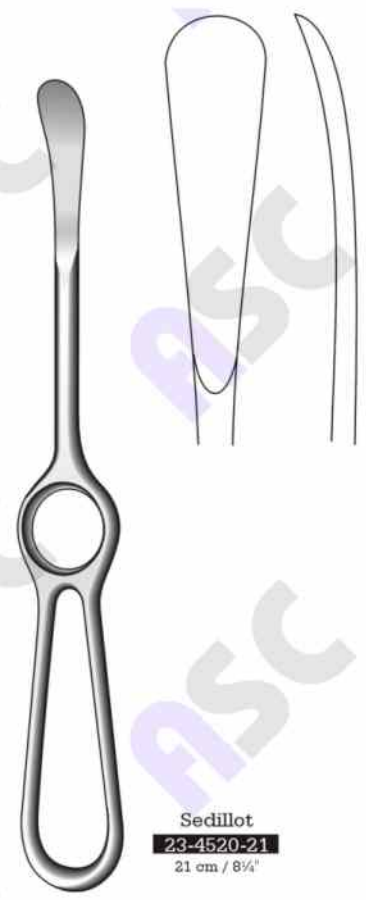
Periosteal Elevators
Raspatorien
Periostotomos, Legras



Parabeuf
23-4510-15
15 cm / 6"
Straight



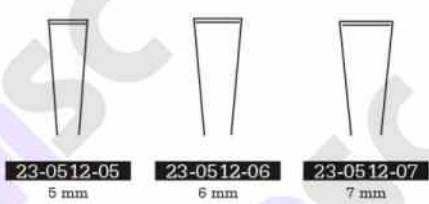
Parabeuf
23-4515-15
15 cm / 6"
Curved



Sedillot
23-4520-21
21 cm / 8 1/4"



16 cm / 6 1/4"
Delicate, Solid



23-0512-05
5 mm

23-0512-06
6 mm

23-0512-07
7 mm



Langenbeck
23-4525-18
18 cm / 7"



Cushing
23-4530-17
17 cm / 6½"



Cushing



Langenbeck



Hoen



Periosteal Elevators
Raspatorien
Periostotomos, Legras



23-4550-18
18 cm / 7"
Ferozell handle



23-4555-18
18 cm / 7"
Ferozell handle



23-4560-18
18 cm / 7"
Ferozell handle



23-4565-20
20 cm / 8"
Ferozell handle



23-4570-20
20 cm / 8"
Ferozell handle



23-4575-20
20 cm / 8"
Ferozell handle



23-4580-00
16 mm



23-4585-14
14 cm / 5 1/2"



23-4590-15
15 cm / 6"
5 mm



23-4595-15
15 cm / 6"
7 mm



Buck-Gramcko
23-4601-15
15 cm / 6"



7.5 mm



23-4605-00
15 mm



Mini-Hohmann
16 cm / 6 1/2"



23-4610-16
6 mm



23-4611-16
8 mm



Freer
23-4615-18
18.5 cm / 7 1/4"
Sharp/Blunt

Bone Levers
Knochenhebel
Elevadores para huesos



Hohmann
23-4620-00
22 cm / 8 3/4"
8 mm

Hohmann
23-4625-00
23.5 cm / 9 1/4"
18 mm

Hohmann
23-4630-00
23.5 cm / 9 1/4"
43 mm

Hohmann
23-4635-00
23.5 cm / 9 1/4"
70 mm



Hohmann
23-4640-00
23.5 cm / 9¼"
43 mm

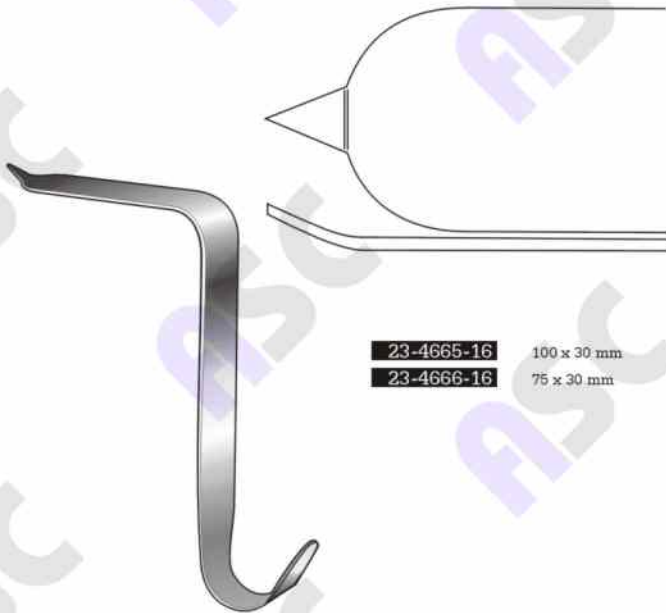
Hohmann
23-4645-00
25.5 cm / 10"
22 mm

Hohmann
23-4650-00
29 cm / 11"
33 mm

Hohmann
23-4655-00
27.5 cm / 10¾"
24 mm

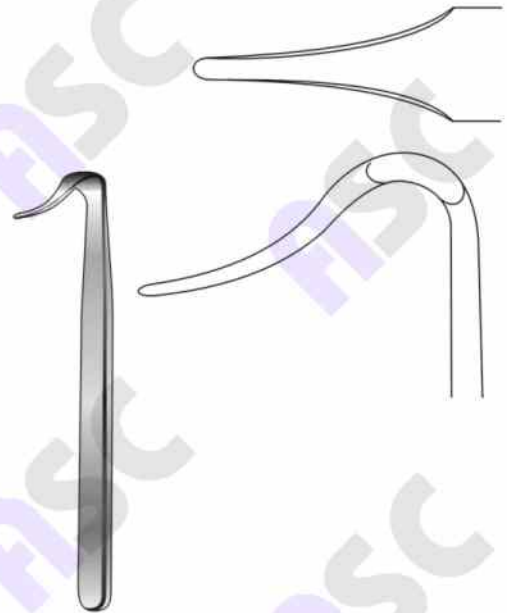
Lange-Hohmann
23-4660-00
25.5 cm / 10"
22 mm

Bone Levers, Retractors
Knochenhebel, Wundhaken
Elevadores para huesos, Separadores



23-4665-16 100 x 30 mm
23-4666-16 75 x 30 mm

Taylor
16.5 cm / 6½"



Blount
23-4670-17
17.5 cm / 7"



Bennett
23-4675-24 Small
23-4676-24 Large
24 cm / 9½"



Blount
23-4680-26
26 cm / 10¼"



Blount
23-4685-26
26 cm / 10¼"
Blunt



Smillie
23-4690-17
17 cm / 6 3/4"



Straight



23-4691-17
Curved left



23-4692-17
Curved right



23-4695-17



23-4696-17



Bircher
19 cm / 7 1/2"



23-4701-19



23-4702-19

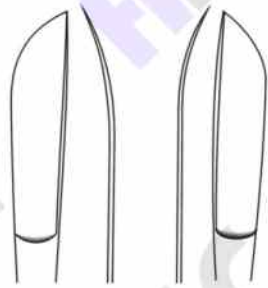


Salenius
23-4705-22
22 cm / 8 3/4"



Salenius
23-4710-22
22 cm / 8 3/4"

Meniscotomy Knives
Meniskotome
Bisturies para meniscos



23-4715-22

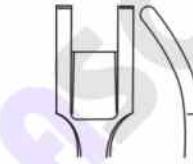
23-4716-22



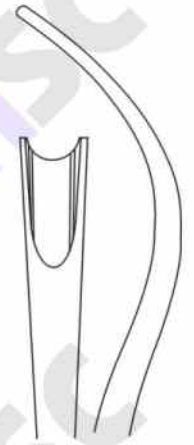
Neff
22 cm / 8 3/4"



23-4720-18
18 cm / 7"



Lowe-Breck
23-4725-25
25 cm / 10"

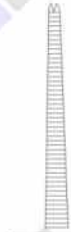


Downing
23-4730-25
25 cm / 10"

Tendon Seizing Instruments
Sehnenfaßinstrumente
Instrumentos para coger tendones



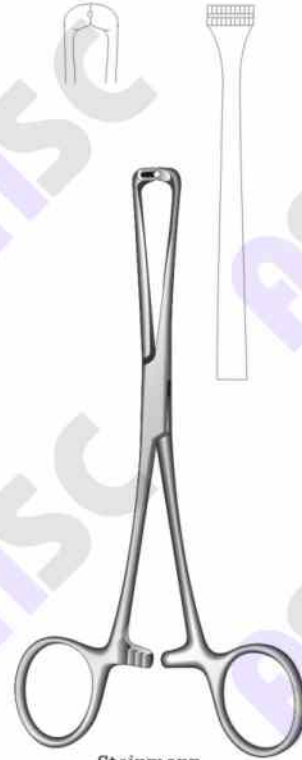
20 cm / 8"



23-4735-20



23-4736-20



Steinmann
23-4740-16
16 cm / 6 1/4"



Brand



23-4745-15
15 cm / 6"



23-4745-19
19 cm / 7 1/2"



23-4745-24
24 cm / 9 1/2"



23-4750-10
1.5 mm



23-4751-10
2.5 mm



23-4752-10
4.5 mm



23-4753-10
5.5 mm



10 cm / 4"

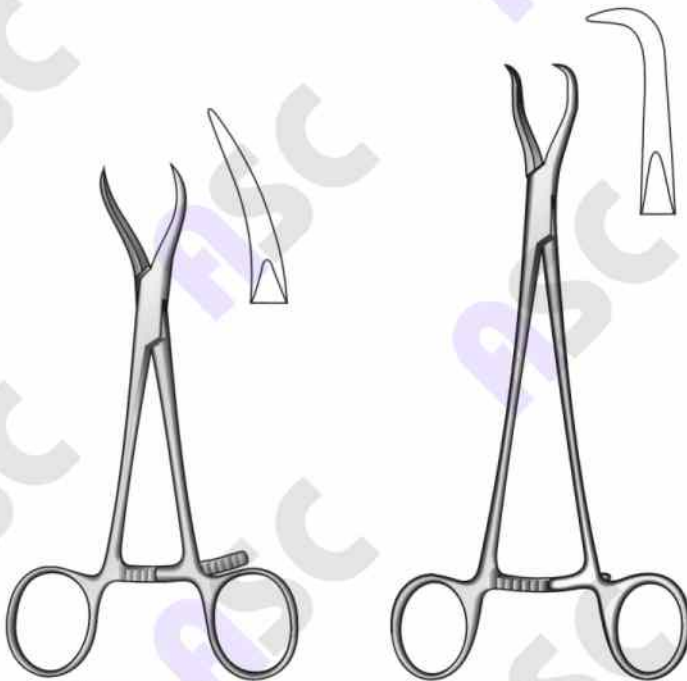
Bone Holding and Reduction Forceps
Knochenhaltezangen
Pinzas para huesos



9.5 cm / 3 3/4"
Reposition forceps
with stepped tips

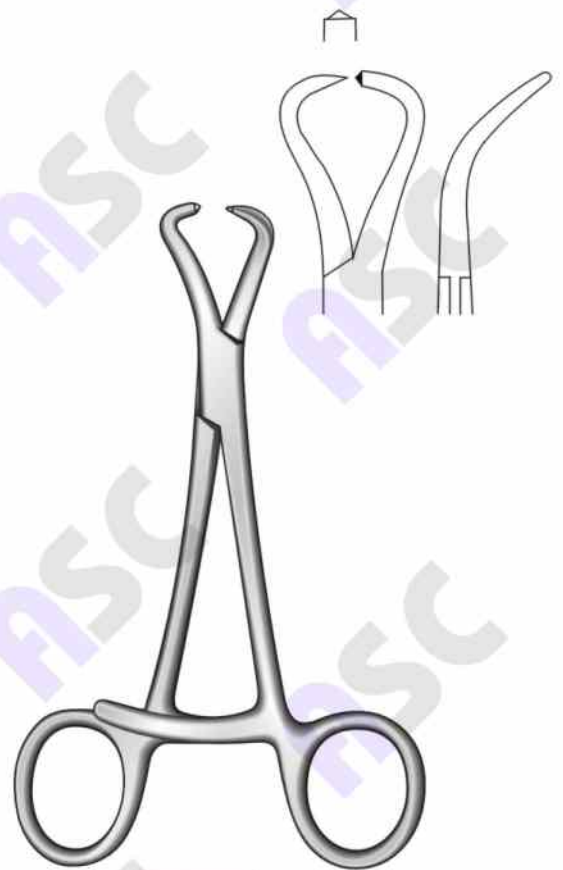


23-4760-13
13.5 cm / 5 1/2"

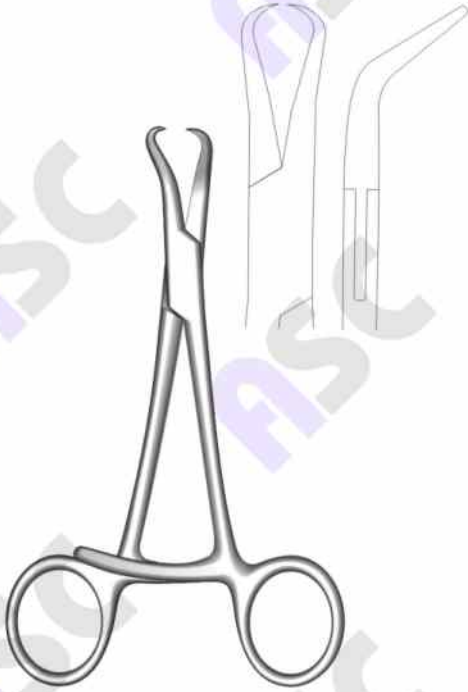


23-4765-13
13.5 cm / 5 1/4"
Reposition forceps,
especially for maxillary reposition

Haase
23-4770-16
16.5 cm / 6 1/2"
Reposition forceps
for mandibular fractures



23-4775-14 14 cm / 5 1/2"
23-4775-16 16.5 cm / 6 1/2"
Curved
Bone reduction forceps



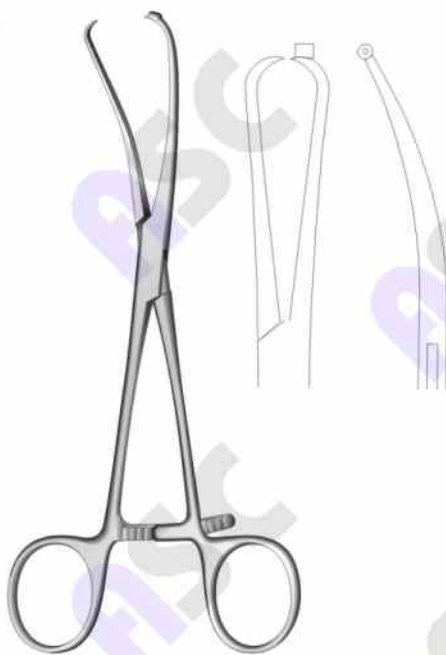
Stagbeetle
23-4780-12
12 cm / 4 1/4"
Bone reduction forceps
Curved, pointed tips



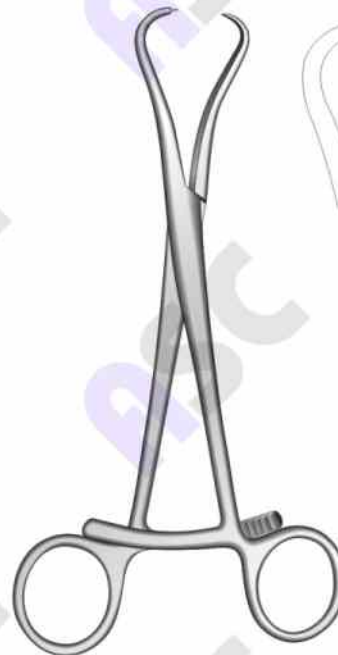
23-4785-13
13 cm / 5 1/4"
Bone holding forceps
Curved, with 1.6 mm k-wire guide



23-4790-00
Bone holding forceps

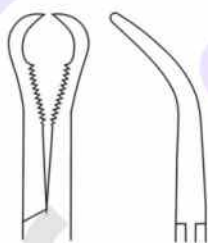
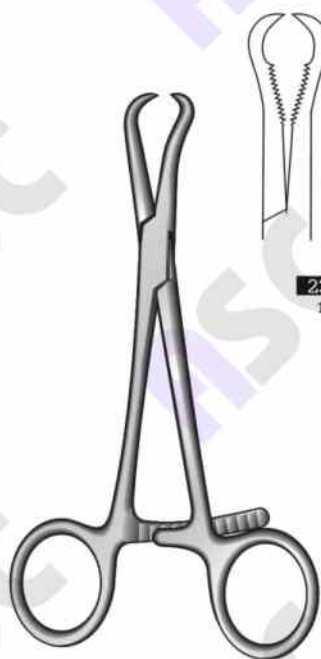


23-4795-17
17 cm / 6 3/4"
Bone holding forceps
Curved, with 1.1 mm k-wire guide

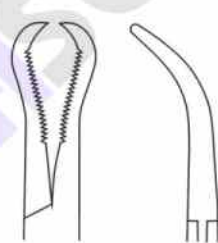


23-4800-15 15 cm / 6"
23-4800-17 17.5 cm / 7"
23-4800-20 20 cm / 8"

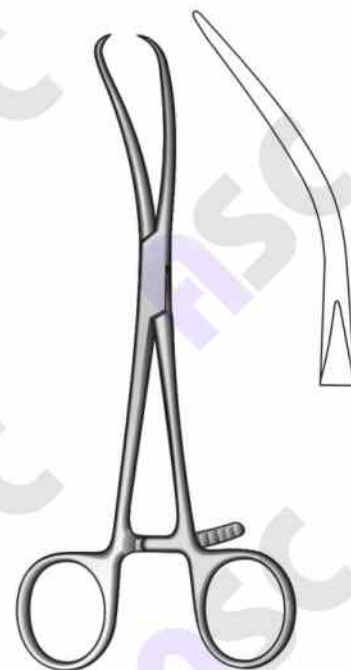
Bone Holding and Reduction Forceps
 Knochenhaltezangen
 Pinzas para huesos



23-4805-12
 12.5 cm / 5"



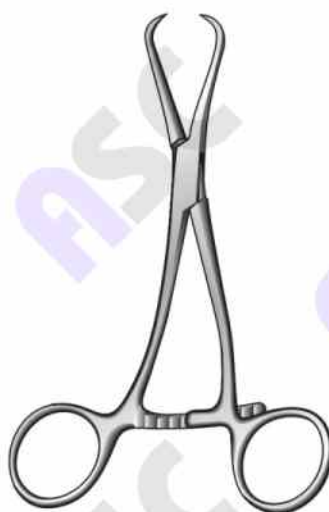
23-4805-14
 14 cm / 5½"



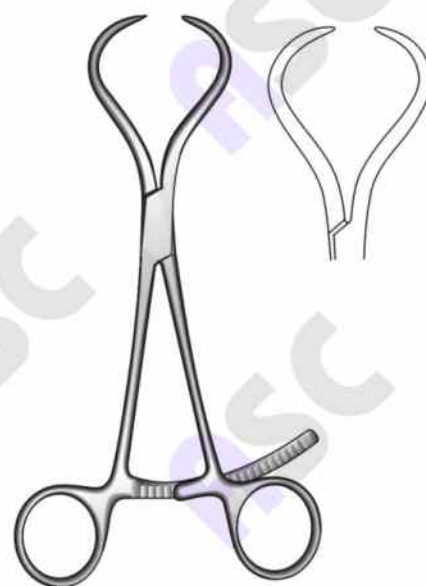
Reill
23-4810-17
 17.5 cm / 7"
 Bone reposition forceps
 curved, pointed tips



Steinhauser
23-4815-13
 13 cm / 5"

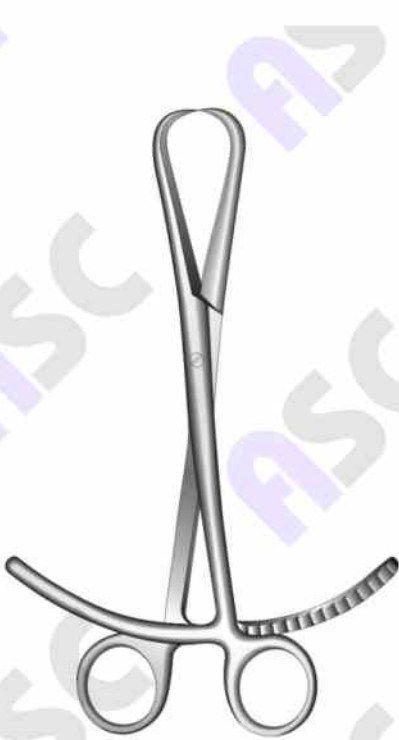


Steinhauser
23-4820-13
 13 cm / 5"



23-4825-16
 16 cm / 6¼"
 Bone fragment forceps

Bone Holding and Reduction Forceps
Knochenhaltezaugen
Pinzas para huesos

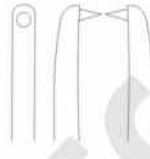


23-4830-15 15 cm / 6"
23-4830-18 18 cm / 7"
23-4830-20 20 cm / 8"
23-4830-30 30 cm / 12"
Bone reduction forceps



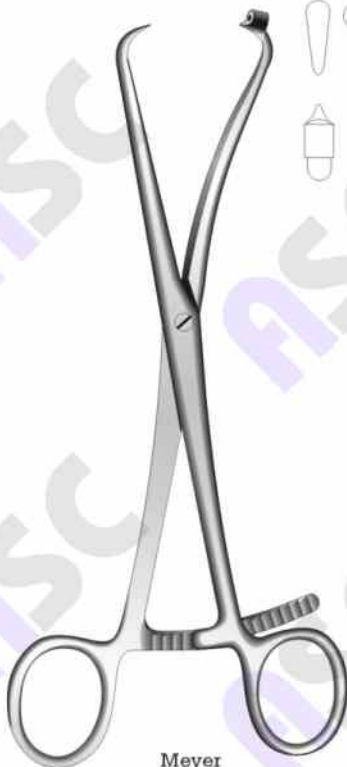
Malleolar
23-4835-21

21 cm / 8 1/4"
1 x 1 sharp points.
Grasping forceps for small bones



Meyer
23-4840-17

17 cm / 6 3/4"
Reposition forceps for gers,
with drill guide for Kirschner wires
up to diameter 1.0 mm



Meyer
23-4845-20

20.5 cm / 8"
Reposition forceps
with drill guide for Kirschner
wires up to diameter 2.0 mm



23-4850-14

14 cm / 5 1/2"



Locke
23-4855-15

15 cm / 6"
Phalangeal forceps serrated jaws
1:1 Teeth



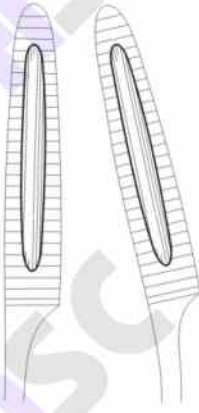
Bone Holding and Reduction Forceps
Knochenhaltezangen
Pinzas para huesos



Bone Holding Forceps
Knochenhaltezaugen
Pinzas para huesos



Requistum
20 cm / 8"



23-4905-20
Straight

23-4906-20
Curved



Van Buren
23-4910-23
23 cm / 9"



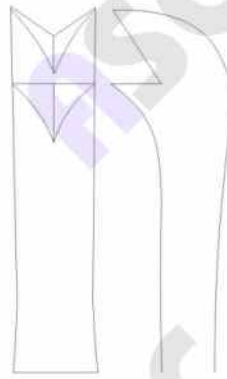
23-4915-20
20 cm / 8"



Langenbeck
23-4920-21
21 cm / 8 1/4"



Fergusson
23-4925-21
21 cm / 8 1/4"



Frosch
23-4930-18
18 cm / 7"



Bone Holding and Reduction Forceps
Knochenhaltezaugen
Pinzas para huesos



Semb
23-4935-19
19 cm / 7½"
Without ratchet



Semb
23-4940-19
19 cm / 7½"
Curved sideways
23-4940-20
20 cm / 8"
Deep teeth with ratchet

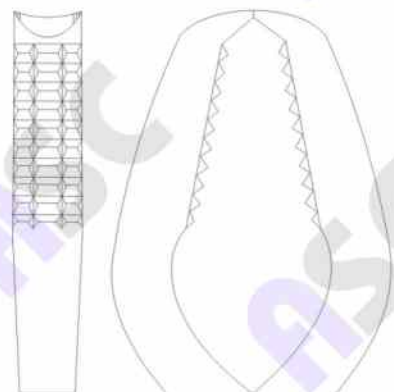
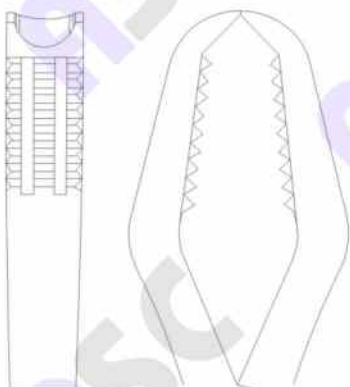


Kern
23-4945-12 12 cm / 4¾"
23-4945-15 15 cm / 6"
23-4945-17 17 cm / 6¾"
23-4945-21 21 cm / 8¼"
Without ratchet



Kern
23-4950-12 12 cm / 4¾"
23-4950-15 15 cm / 6"
23-4950-17 17 cm / 6¾"
23-4950-21 21 cm / 8¼"
23-4950-23 23 cm / 9"
With ratchet

Bone Holding Forceps
Knochenhaltezangen
Pinzas para huesos



Lane
23-4955-32
32.5 cm / 13"
Bone holding forceps
Light model, without ratchet
23-4956-32
32.5 cm / 13"
Light model, with ratchet
23-4957-42
42.5 cm / 17"
Without ratchet



Lane
23-4960-30
30 cm / 11 1/4"
23-4961-32
32.5 cm / 13"
Bone holding forceps
Standard model, without ratchet
23-4962-32
32.5 cm / 13"
Standard model, with ratchet
23-4963-42
42.5 cm / 17"
With ratchet

Bone Holding and Reduction Forceps
Knochenhaltezaugen
Pinzas para huesos





Verbrugge
16 cm / 6¼"



23-4980-16
Both jaws serrated



23-4981-16
1 jaw serrated
1 jaw plain



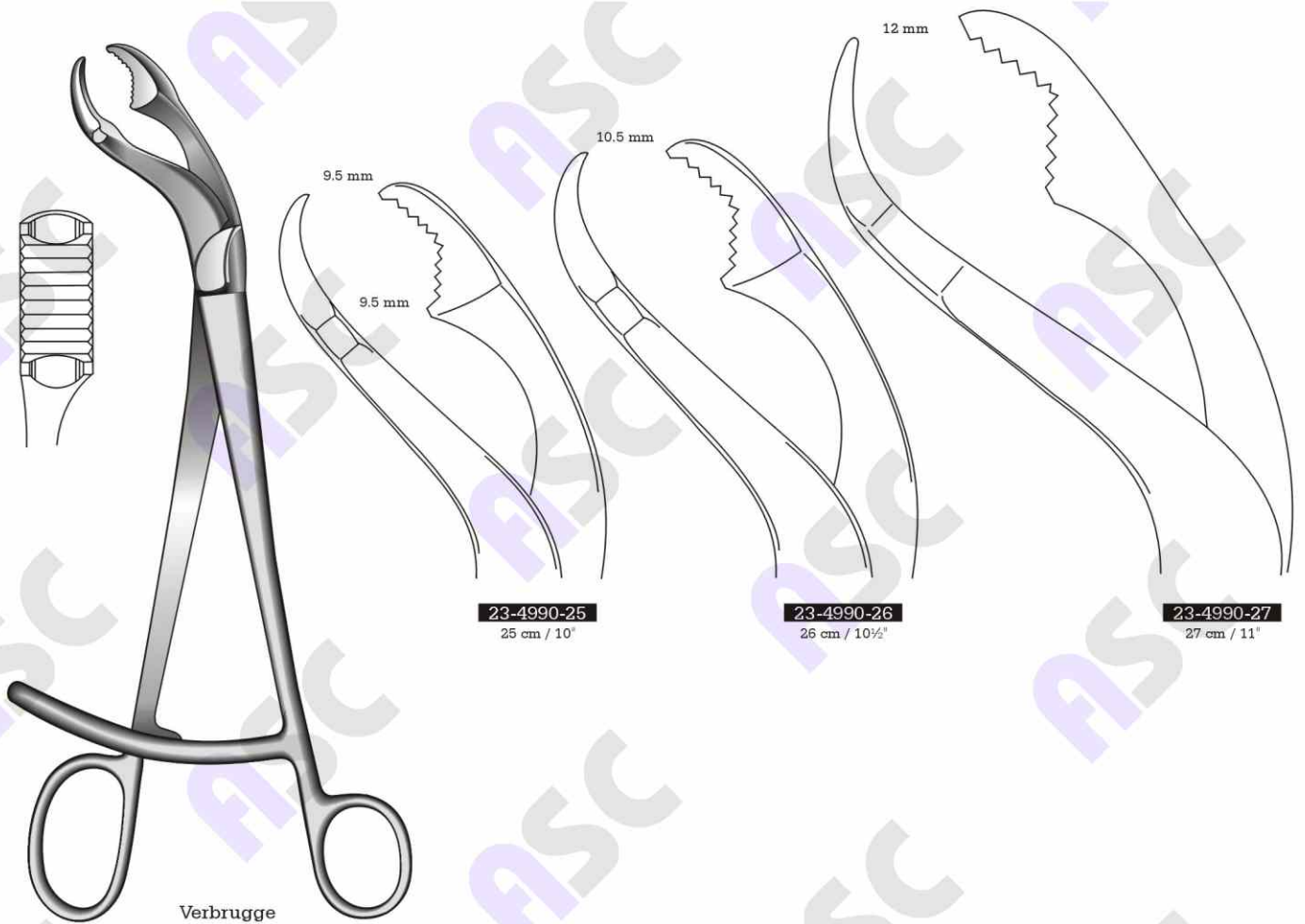
Verbrugge Prehenseur

- 23-4985-18** 18 cm / 7"
- 23-4985-24** 24 cm / 9½"
- 23-4985-26** 26 cm / 10¼"
- 23-4985-28** 28 cm / 11"

Serrated jaws



Bone Holding and Reduction Forceps
Knochenhaltezaugen
Pinzas para huesos

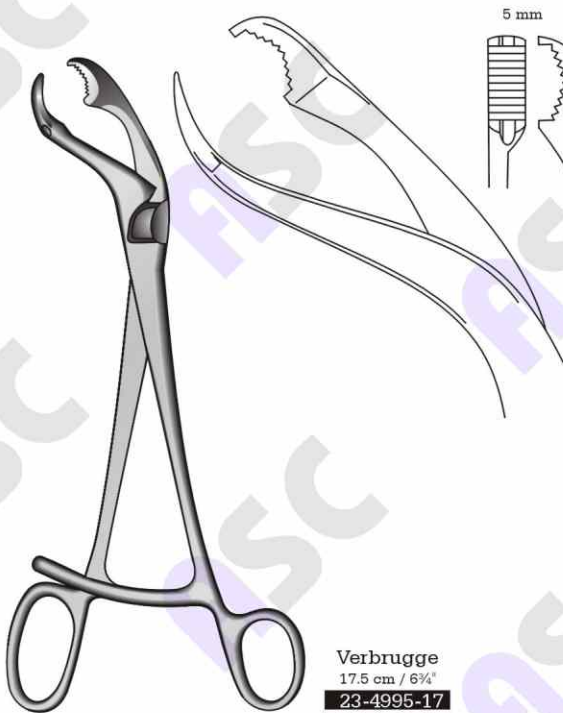


23-4990-25
25 cm / 10"

23-4990-26
26 cm / 10½"

23-4990-27
27 cm / 11"

Verbrugge



5 mm

23-4995-17
17.5 cm / 6¾"

23-4996-17

Screw joint



Bishop
Adjustable jaw



23-5001-23

23 cm / 9"

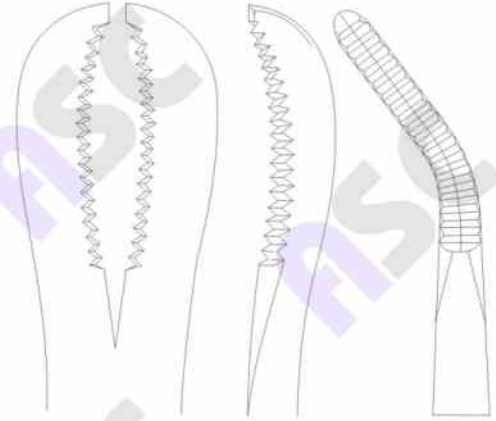
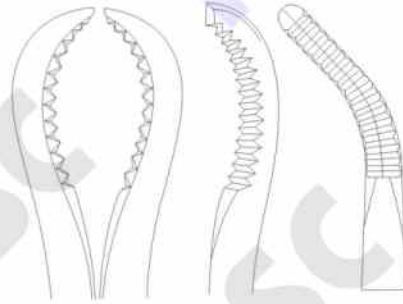
23-5001-32

32.5 cm / 13"

Bone Holding Forceps
Knochenhaltezaugen
Pinzas para huesos



23-5005-16 16 cm / 6¼"
23-5005-18 18 cm / 7"



23-5005-20 20 cm / 8"
23-5005-22 22 cm / 8½"
23-5005-24 24 cm / 9½"

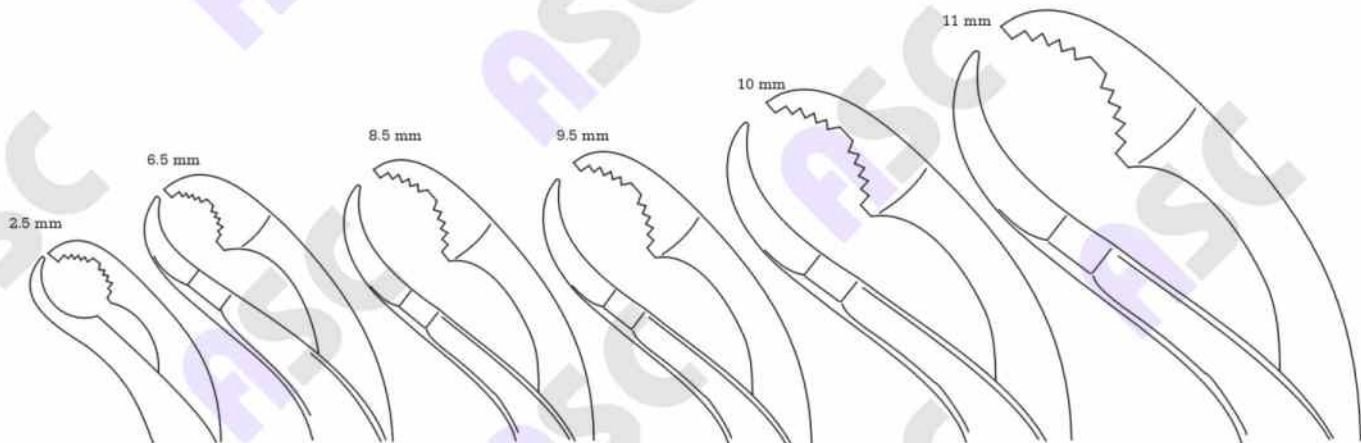


Patella Forceps
23-5010-18
18 cm / 7"
2 x 2 sharp teeth
with speed lock



Ollier
23-5015-19 19 cm / 7½"
23-5015-22 22 cm / 8¾"
23-5015-27 27 cm / 10¾"

Bone Holding and Reduction Forceps
Knochenhaltezangen
Pinzas para huesos



23-5025-15
Standard jaws
23-5026-15
Reverse jaws
23-5027-15
Moveable jaws
15 cm / 6"

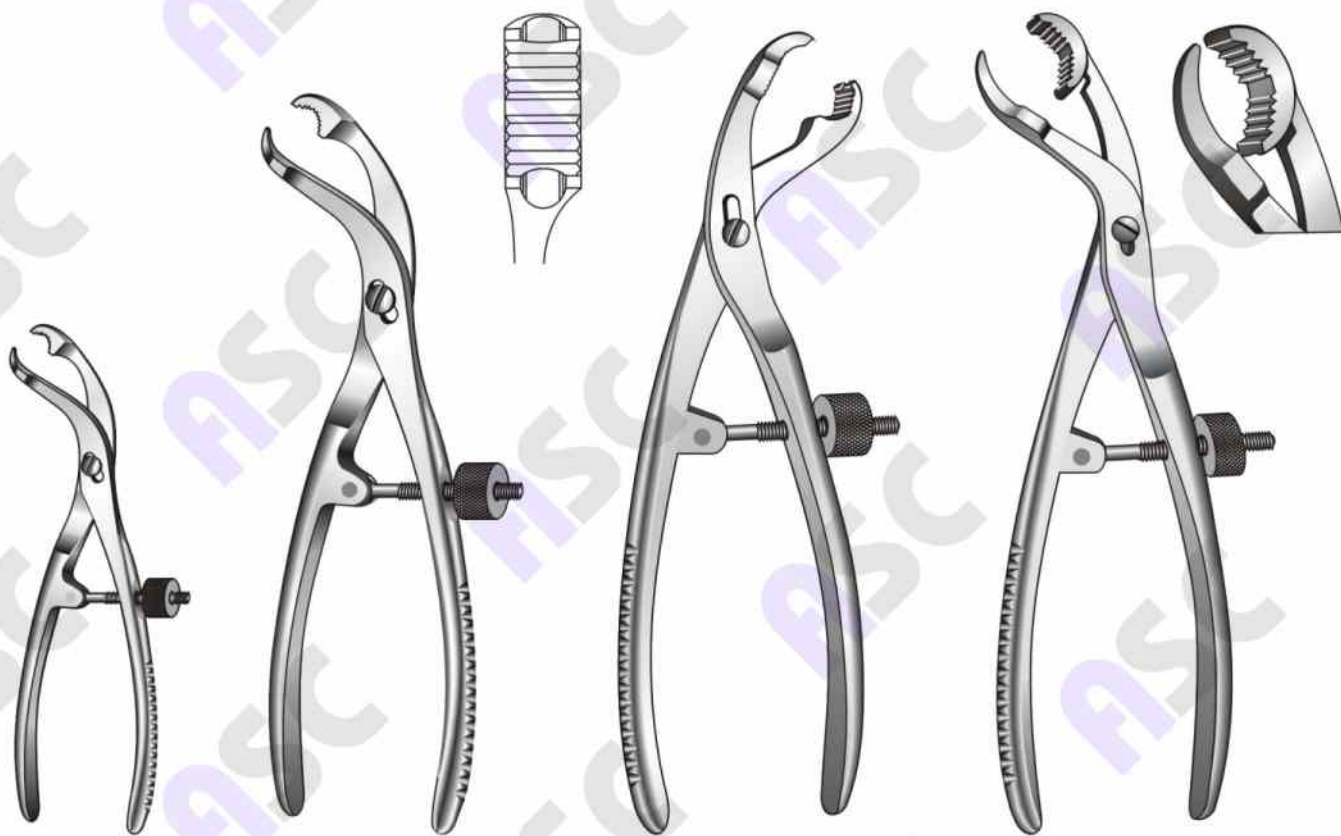
23-5025-19
Standard jaws
23-5026-19
Reverse jaws
23-5027-19
Moveable jaws
19 cm / 7½"

23-5025-22
Standard jaws
23-5026-22
Reverse jaws
23-5027-22
Moveable jaws
22 cm / 8½"

23-5025-24
Standard jaws
23-5026-24
Reverse jaws
23-5027-24
Moveable jaws
24 cm / 9½"

23-5025-26
Standard jaws
23-5026-26
Reverse jaws
23-5027-26
Moveable jaws
26 cm / 10¼"

23-5025-28
Standard jaws
23-5026-28
Reverse jaws
23-5027-28
Moveable jaws
28 cm / 11"



Mini
23-5020-12
12 cm / 4¾"
Special size

Self-Centering Forceps
Standard jaws

Self-Centering Forceps
With thread fixation
Reverse jaws

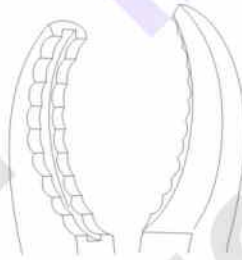
Verbrugge
28 cm / 11"
With moveable jaws



15 cm / 6"
Mini



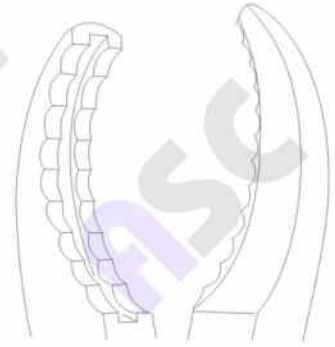
18 cm / 7 1/4"



23 cm / 9"



25 cm / 10"



27 cm / 11"



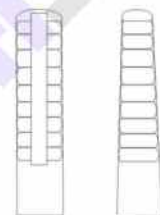
Ulrich
23-5030-13 13 cm / 5", Mini
23-5030-15 15 cm / 6"
23-5030-18 18 cm / 7 1/4"
23-5030-23 23 cm / 9"
23-5030-25 25 cm / 10"
23-5030-27 27 cm / 11"
 Straight



Ulrich
23-5035-13 13 cm / 5",
23-5035-15 15 cm / 6"
23-5035-18 18 cm / 7 1/4"
23-5035-23 23 cm / 9"
23-5035-25 25 cm / 10"
23-5035-27 27 cm / 11"
 Angled

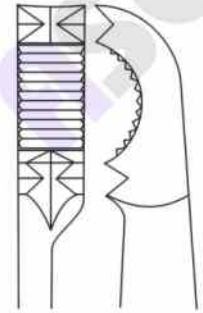
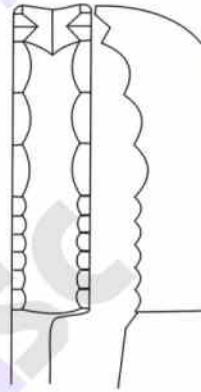
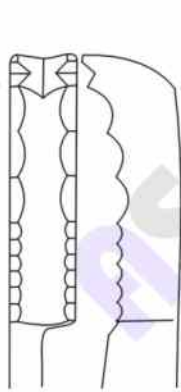


Ulrich
23-5040-27 27 cm / 11"
 Self-retaining forceps
 angular, moveable jaw



With speed lock
and swivel jaw

Bone Holding and Reduction Forceps
Knochenhaltezaugen
Pinzas para huesos



Farabeuf

- 23-5045-19** 19 cm / 7½"
- 23-5045-23** 23 cm / 9"
- 23-5045-26** 26 cm / 10¼"

Adjustable

Farabeuf Lambotte

- 23-5050-19** 19 cm / 7½"
- 23-5050-23** 23 cm / 9"
- 23-5050-26** 26 cm / 10¼"

Adjustable

Tuffier

- 23-5055-27**

27 cm / 10½"

Adjustable

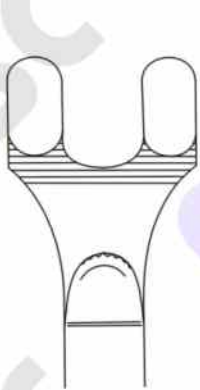


Lambotte
23-5060-22 22 cm / 8³/₄"
23-5060-27 27 cm / 10¹/₂"
23-5060-30 30 cm / 12"
Adjustable

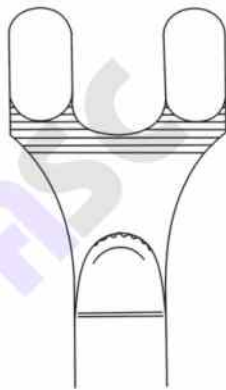
Lambotte
23-5065-22 22 cm / 8³/₄"
23-5065-26 26 cm / 10¹/₂"
23-5065-33 33 cm / 13"

Lambotte
23-5070-19 19 cm / 7¹/₂"
23-5070-23 23 cm / 9"
23-5070-26 26 cm / 10¹/₄"

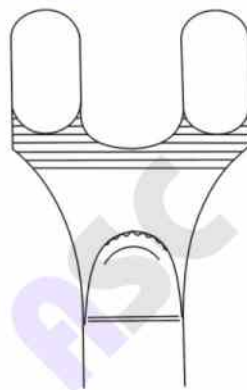
Bone Holding Clamps, Traction Bar
Knochenhalteklammern, Distraktionsklammern
Pinzas para huesos, Barras de tracción



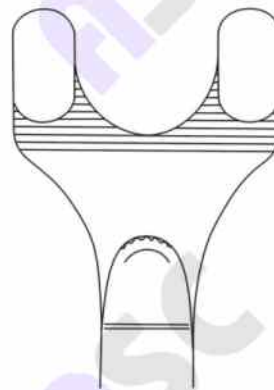
23-5075-08
8,5 cm / 3¼"
Special mini



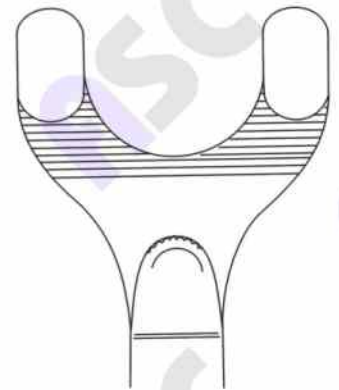
23-5075-12
12 cm / 4"



23-5075-18
18 cm / 7"



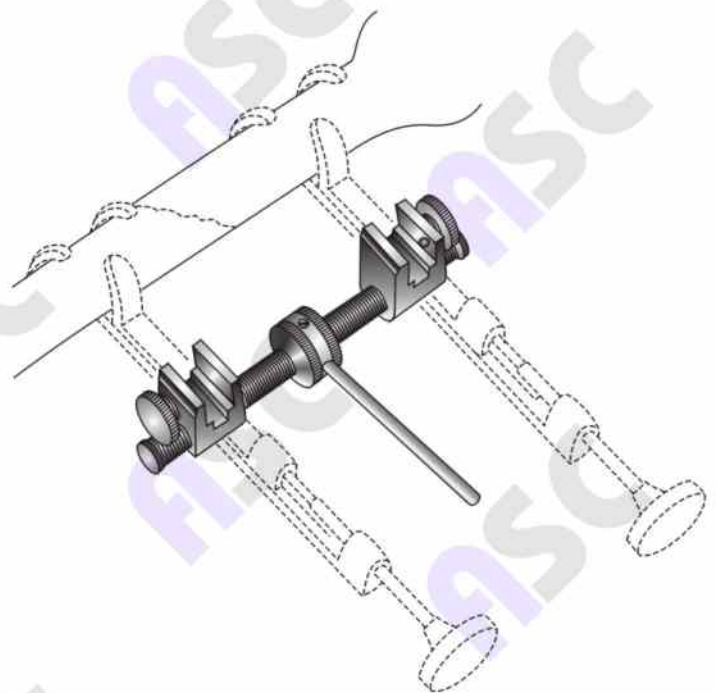
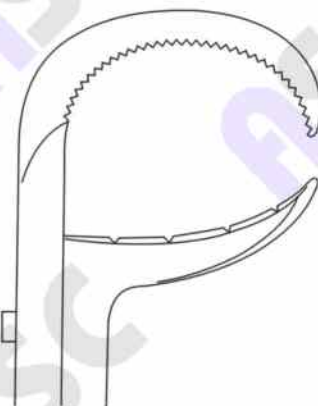
23-5075-20
20 cm / 8"



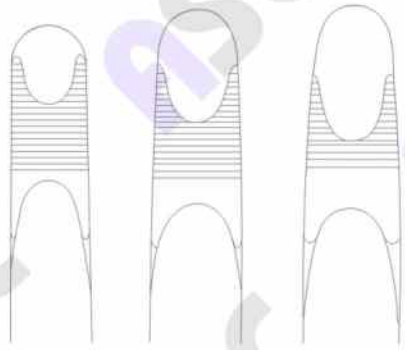
23-5075-22
22 cm / 8½"



Gerster - Lowmann
1 x 2 jaws



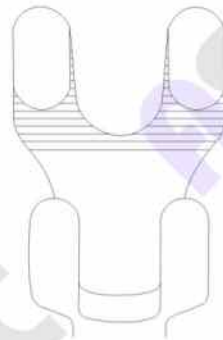
Gerster
23-5080-00



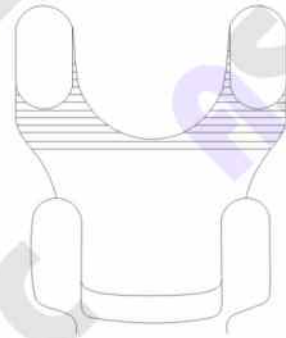
23-5085-12
12 cm / 4 1/4"

23-5085-18
18 cm / 7 1/4"

23-5085-20
20 cm / 8"



23-5090-18
18.5 cm / 7 1/4"



23-5090-20
20 cm / 8"



Lowmann
Bone clamp
1 x 1 jaws



Lowmann
Bone clamp
2 x 2 jaws



Lowman Hoglund
23-5095-12 12 cm / 4 1/4"
23-5095-18 18 cm / 7 1/4"
23-5095-20 20 cm / 8"
Moveable jaws

Pelvic Reposition Forceps
Becken Repositionszangen
Pinzas de enderezamiento



23-5101-19 19 cm / 7½"
23-5101-23 23 cm / 9"
23-5101-25 25 cm / 10"



23-5105-23 23 cm / 9"
23-5105-25 25 cm / 10"



23-5110-40
40 cm / 15"

Pelvic Reposition Forceps
Becken Repositionszangen
Pinzas de enderezamiento

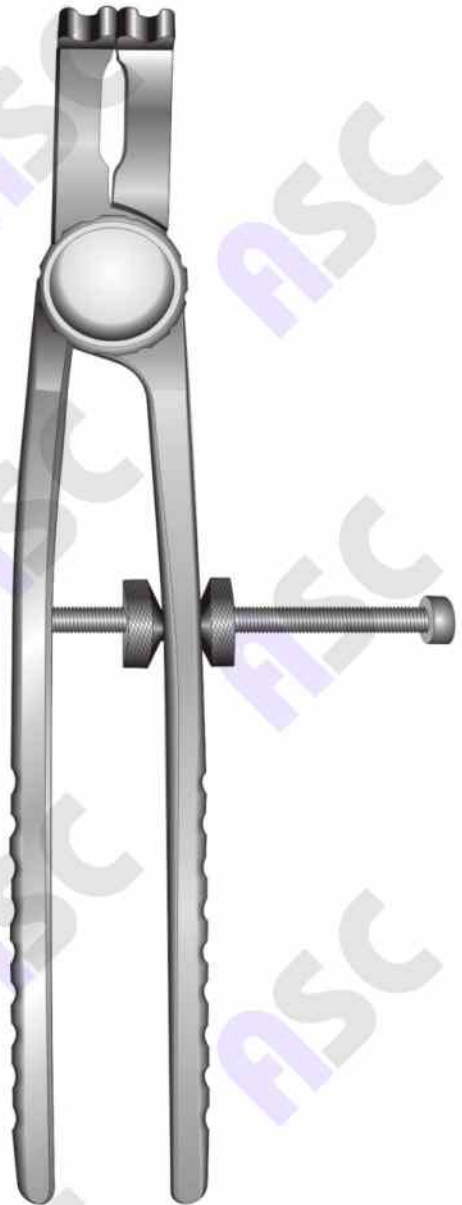
A new shifting technique permits adjusting of the holding area within seconds and without dismantling the instrument.
Easy and quick fixation in both direction by means of 2 nuts



23-5115-40
40 cm / 16"



23-5120-40
40 cm / 16"



23-5125-00
Reposition forceps

Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias



Mini-Friedman
23-0900-12
12.5 cm / 5"



Friedman
23-0902-14
14 cm / 5½"



Micro Friedman
15 cm / 6"
2 x 6 mm bite
Delicate



23-5140-15
Straight



23-5141-15
Curved



Micro-Friedman
14 cm / 5½"
Extremely delicate



23-5145-14
1.5 x 5 mm bite
Straight



23-5146-14
1.5 x 5 mm bite
Angled 30°



23-5147-14
1.5 x 5 mm bite
Angled 90°

For soft tissue and cancellous bone only



23-5148-00

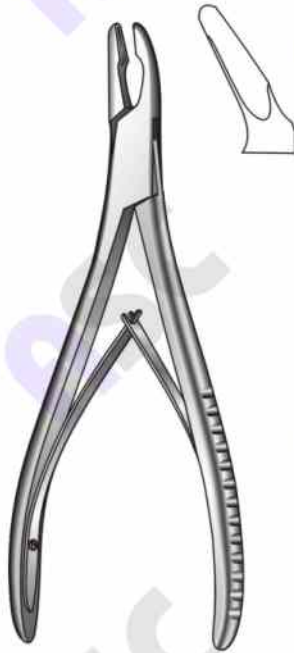


23-5149-00

Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias



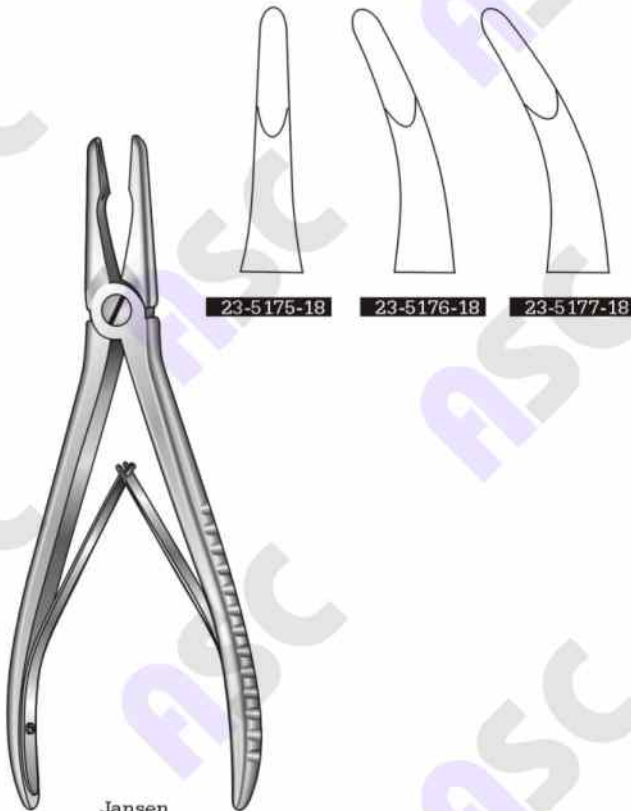
Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias



Cleveland
23-0908-17
17 cm / 6 3/4"



Hartmann
23-0920-18
18.5 cm / 7 1/4"

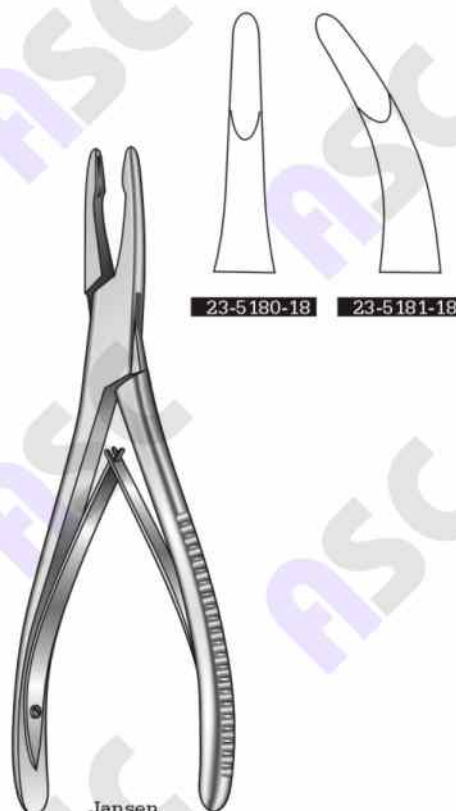


Jansen
18 cm / 7"

23-5175-18

23-5176-18

23-5177-18



Jansen
18 cm / 7"

23-5180-18

23-5181-18



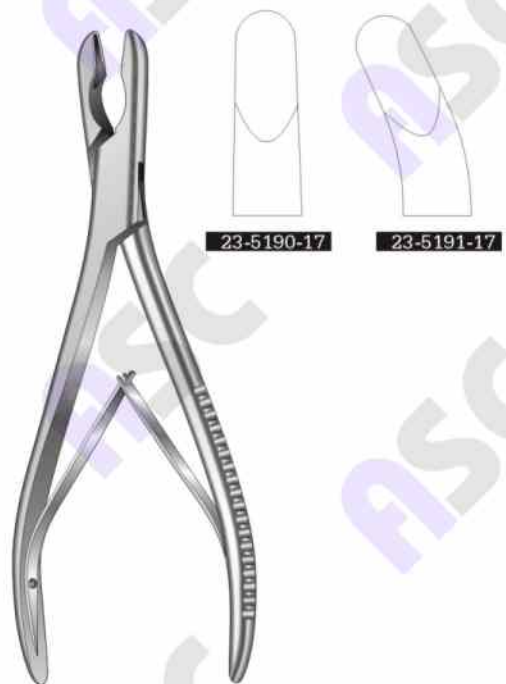
Marchac
23-5185-18
18 cm / 7"



Blumenthal
15 cm / 6"

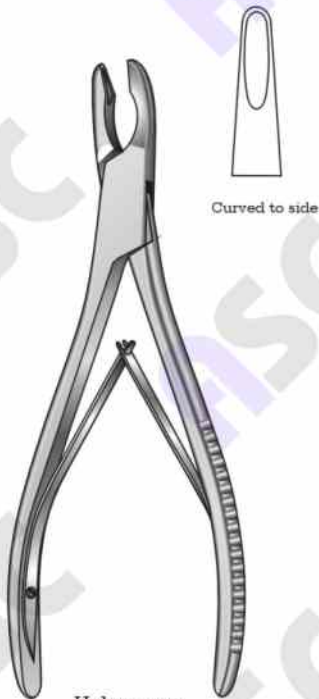


Luer
15 cm / 6"

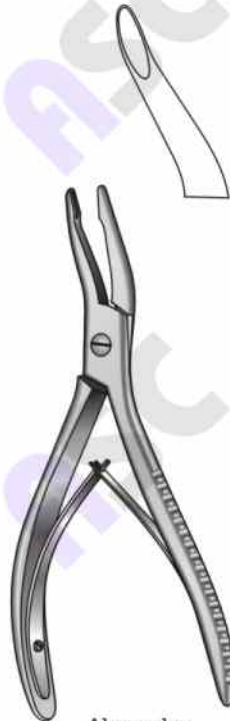


Luer
17 cm / 6 1/2"

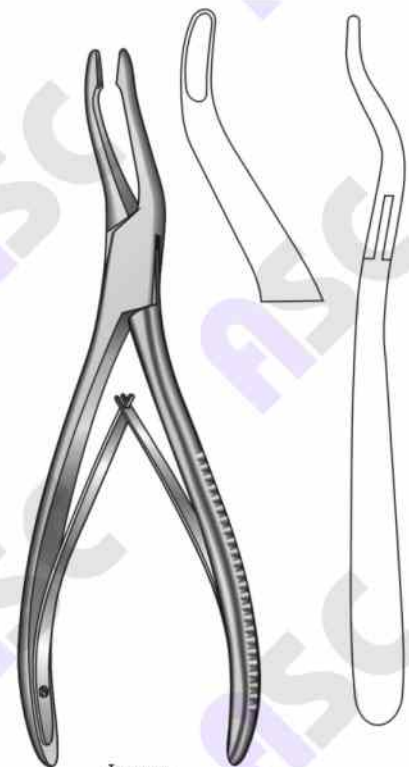
Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias



23-5195-17
17 cm / 6 3/4"



23-5201-14
14 cm / 5 1/2"



23-5205-19
19 cm / 7 1/2"



23-2145-18
18 cm / 7"



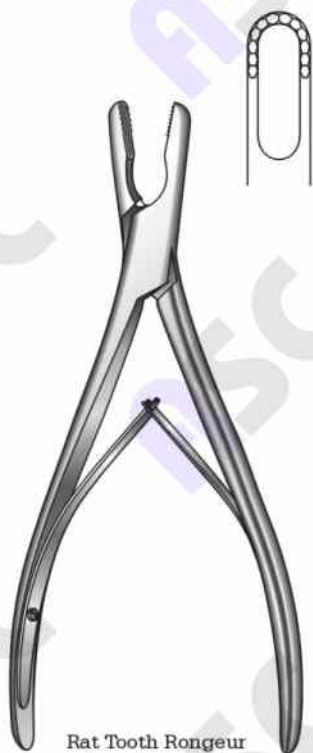
23-5210-20
20.5 cm / 8"



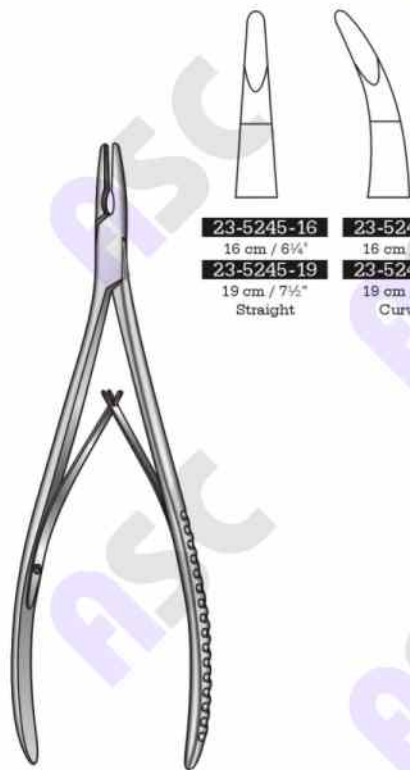
23-5215-20
20.5 cm / 8"



Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias

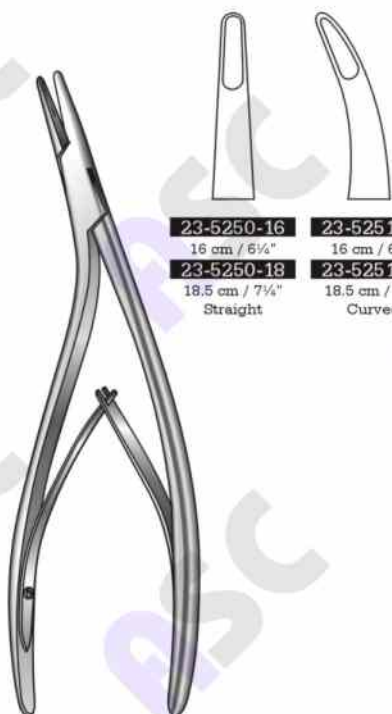


Rat Tooth Rongeur
23-5240-20
20.5 cm / 8"
With teeth 8 x 15 mm bite
Straight



23-5245-16 16 cm / 6 1/4" 23-5245-19 19 cm / 7 1/2" Straight	23-5246-16 16 cm / 6 1/4" 23-5246-19 19 cm / 7 1/2" Curved
--	--

Lempert
2.5 mm bite



23-5250-16 16 cm / 6 1/4" 23-5250-18 18.5 cm / 7 1/4" Straight	23-5251-16 16 cm / 6 1/4" 23-5251-18 18.5 cm / 7 1/4" Curved
--	--

Juers-Lempert
Straight jaws on curved
handles, delicate, 2.5 mm bite



23-5255-15 2 mm tip 23-5256-15 3 mm tip 23-5257-15 4 mm tip	23-5260-15 2 mm tip 23-5261-15 3 mm tip 23-5262-15 4 mm tip
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Bohler
15 cm / 6"



Zaufal-Jansen
23-0980-18
18 cm / 7"



Mayfield
23-5265-17
17 cm / 6 3/4"



Beyer
18 cm / 7"



23-5270-18 Straight
23-5271-18 Curved



Ruskin
Delicate



- | | | | |
|-------------------|--------------|-------------------|--------------|
| 23-2150-15 | 2 mm | 23-5295-15 | 2 mm |
| 23-5275-15 | 3 mm | 23-5296-15 | 3 mm |
| 23-5276-15 | 4 mm | 23-5297-15 | 4 mm |
| | 15 cm / 6" | | 15 cm / 6" |
| 23-5280-18 | 2 mm | 23-5300-18 | 2 mm |
| 23-2155-18 | 3 mm | 23-0988-18 | 3 mm |
| 23-5281-18 | 4 mm | 23-5301-18 | 4 mm |
| 23-5282-18 | 6 mm | 23-5302-18 | 6 mm |
| 23-5283-18 | 8 mm | 23-5303-18 | 8 mm |
| | 17.5 cm / 7" | | 17.5 cm / 7" |
| 23-5285-20 | 2 mm | 23-5305-20 | 2 mm |
| 23-5286-20 | 3 mm | 23-5306-20 | 3 mm |
| 23-5287-20 | 4 mm | 23-5307-20 | 4 mm |
| 23-5288-20 | 6 mm | 23-5308-20 | 6 mm |
| 23-5289-20 | 8 mm | 23-5309-20 | 8 mm |
| | 20 cm / 8" | | 20 cm / 8" |
| | Straight | | Curved |

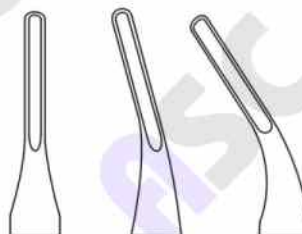
Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias



Ruskin
23-5315-23
23 cm / 9"



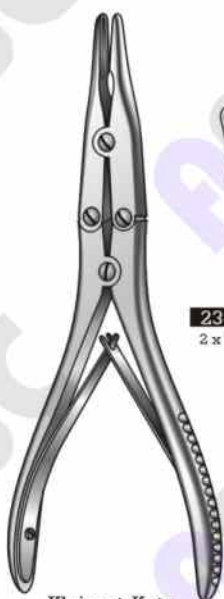
Smith-Peterson
24 cm / 9½"
3 x 16 mm bite
Laminectomy rongeur



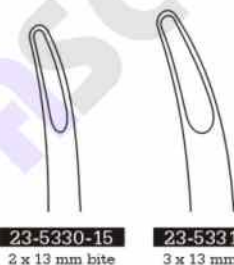
23-5320-24 Straight
23-5321-24 Curved
23-5322-24 Full curved



Marquard
23-5325-20
20 cm / 8"



Kleinert-Kutz
15 cm / 6"
Synovectomy rongeur
Slight curve, delicate



23-5330-15 2 x 13 mm bite
23-5331-15 3 x 13 mm bite



23-5335-15
15 cm / 6"
3 x 8 mm bite
Full curved
Delicate



Kleinert-Kutz
23-5340-15
15 cm / 6"
2 x 10 mm bite
Synovectomy rongeur
Curved on side
Delicate



23-5345-23
2 mm

23-5346-23
3 mm

23-5347-23
4 mm



Echin
23 cm / 9"



Stille-Ruskin
23-5350-23
23 cm / 9"



Semb
23-5355-22
22.5 cm / 9"



Stille
23-5360-23
23 cm / 9"

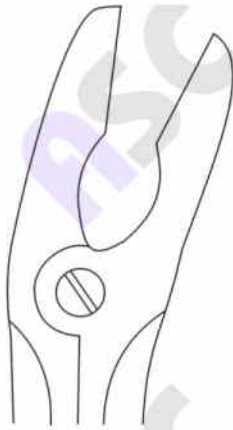


Frykholm
23-5365-24
24 cm / 9½"

Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias



Leksell-Stille
24 cm / 9½"
Curved 15°



23-5370-24
3 x 16 mm bite



23-5371-24
4 x 16 mm bite



23-5372-24
5 x 16 mm bite



23-5373-24
6 x 16 mm bite



23-5374-24
7 x 16 mm bite



23-5375-24
8 x 16 mm bite



Leksell
23 cm / 9"
Curved 50°



23-5380-23
3 x 13 mm bite



23-5381-23
4 x 13 mm bite



23-5382-23
5 x 13 mm bite



23-5383-23
6 x 13 mm bite



23-5384-23
7 x 13 mm bite



23-5385-23
8 x 13 mm bite

Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias



23-5401-23 23 cm / 9"
23-5401-27 27 cm / 10½"



23-5402-23
23-5402-27



23-5390-22
23-5391-22
23-5392-22
23-5393-22
23-5394-22

4 mm
6 mm
8 mm
10 mm
12 mm



23-5395-22
23-5396-22
23-5397-22
23-5398-22
23-5399-22

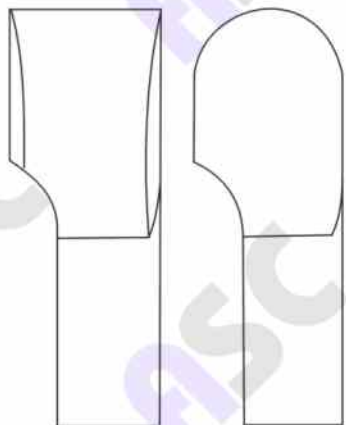


Stille-Luer
22 cm / 8½"
8 mm



Stille-Luer

Bone Rongeur Forceps
Hohlmeißelzangen
Pinzas gubias



23-5405-30

23-5406-30



23-5410-36

3 mm



23-5415-00

3 mm



23-5411-36

5 mm



23-5416-00

5 mm



23-5412-36

6 mm



23-5417-00

6 mm



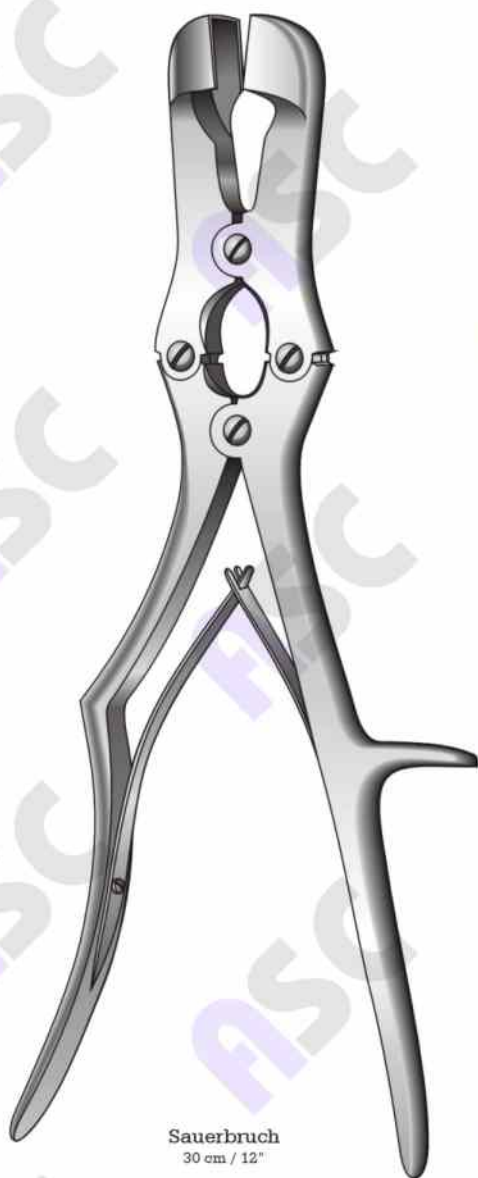
23-5413-36

8 mm



23-5418-00

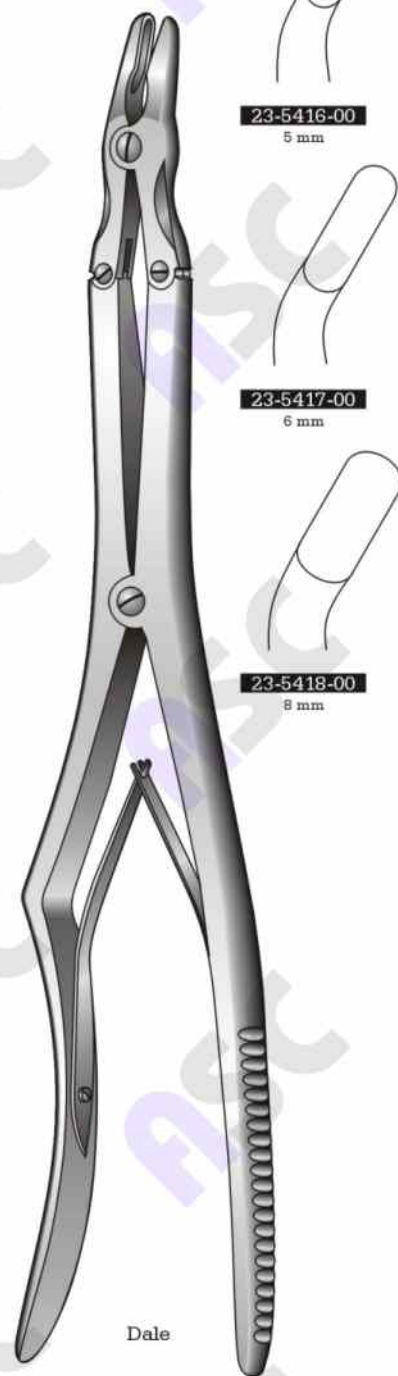
8 mm



Sauerbruch
30 cm / 12"



Syvert
36 cm / 14 1/2"



Dale

Bone Cutting Forceps
Knochensplitterzangen
Pinzas cortantes para huesos



Liston



23-5420-14
14 cm / 5½"

23-5420-17
17 cm / 6¾"

23-5420-19
19 cm / 7½"

23-5420-22
22 cm / 8¾"



Liston



23-5425-14
14 cm / 5½"

23-5425-17
17 cm / 6¾"

23-5425-19
19 cm / 7½"

23-5425-22
22 cm / 8¾"



Markwalder
23-5430-12
12 cm / 4¾"



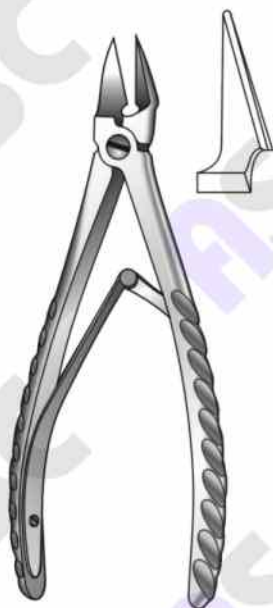
Cleveland
23-5435-15
15 cm / 6"



Cleveland
23-1040-15
15 cm / 6"
23-1040-17
17 cm / 6¾"



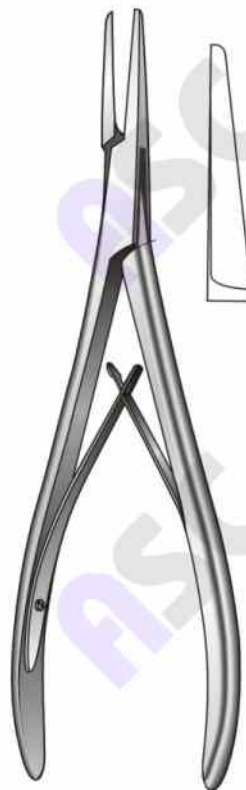
Bone Cutting Forceps
 Knochen splitterzangen
 Pinzas cortantes para huesos



Stamm
 23-5440-15
 15 cm / 6"



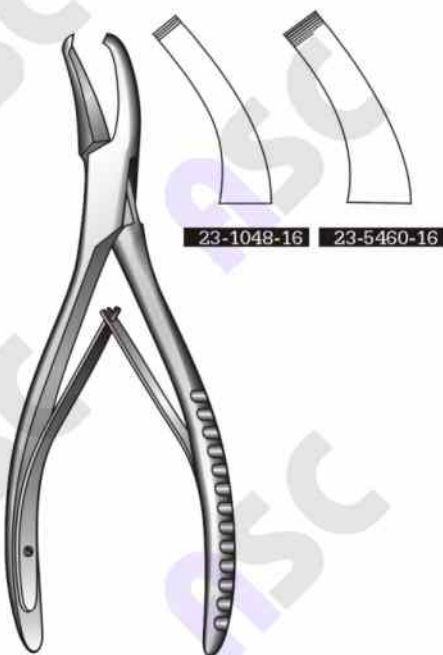
Kazanjian
 23-5445-18
 18.5 cm / 7 1/4"



Tessier
 23-5450-20
 20.5 cm / 8"
 Slim pattern



Markwalder
 23-5455-20
 20 cm / 8"



Cleveland
 23-1048-16 23-5460-16
 16 cm / 6 1/4"



Bohler
 23-5465-15
 15 cm / 5 1/4"



Bohler
 23-5470-14
 14.5 cm / 5 3/4"



Velpeau
 23-5475-24
 24 cm / 9 1/2"

Bone Cutting Forceps
Knochensplitterzangen
Pinzas cortantes para huesos



Böhler
23-5480-14
14.5 cm / 5 7/8"



23-5485-17
17 cm / 6 3/4"



McIndoe
23-5490-17
17.5 cm / 7"



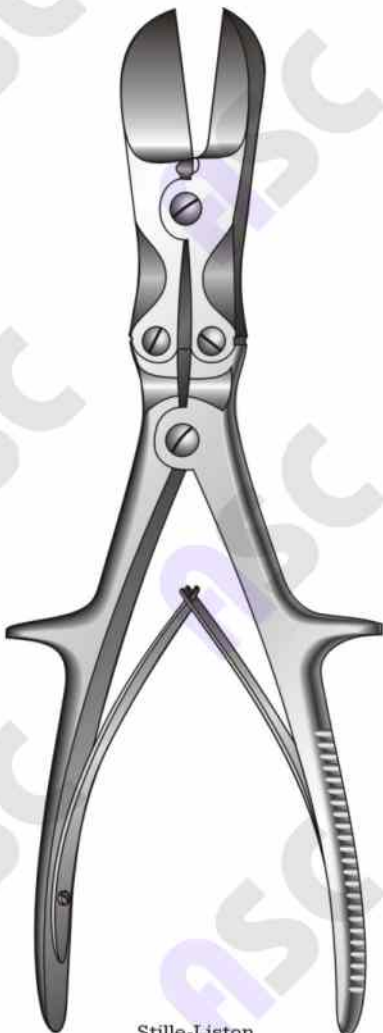
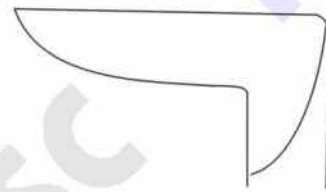
Ruskin-Liston
18.5 cm / 7 1/4"

23-1051-18 **23-1052-18**

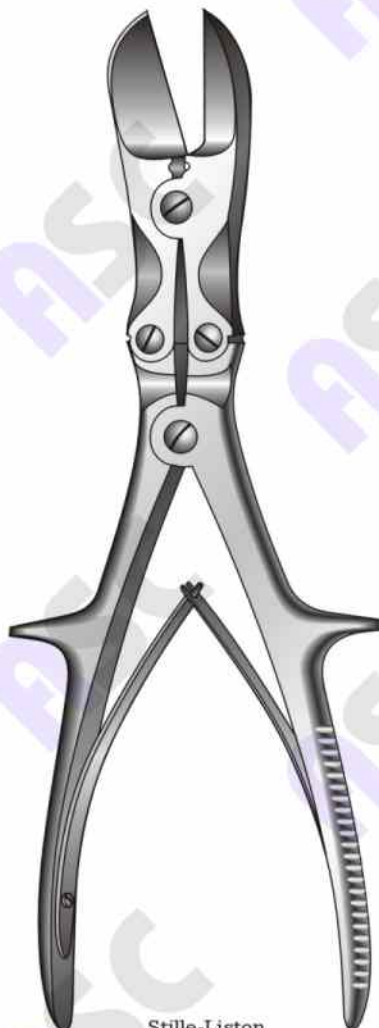


Liston
23-5495-24
24 cm / 9 1/2"

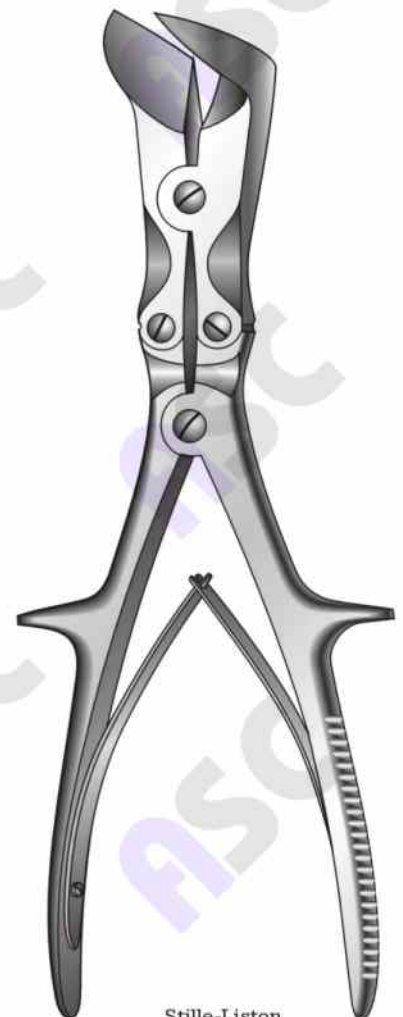
Bone Cutting Forceps
Knochensplitterzangen
Pinzas cortantes para huesos



Stille-Liston
23-5501-27
27 cm / 10 1/2"



Stille-Liston
23-5505-27
27 cm / 10 1/2"



Stille-Liston
23-5510-27
27 cm / 10 1/2"

Bone Cutting Forceps
Knochensplitterzangen
Pinzas cortantes para huesos



Liston-Key
23-5515-27
27 cm / 10½"



Semb
23-5520-24
24 cm / 9½"

Wire Twisting Forceps
Drahtzwirbelzangen
Pinzas para torcer hilos



23-5525-15T
15.5 cm / 6"



Corwin
23-5530-16T
16 cm / 6 1/4"



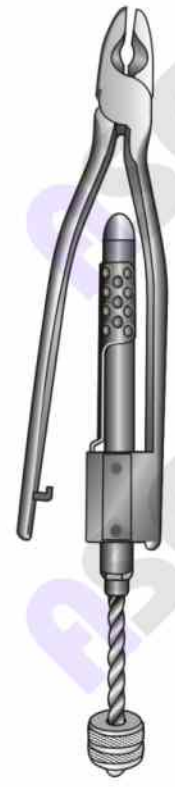
23-0601-15T
15 cm / 6"



23-0621-20T
20 cm / 8"

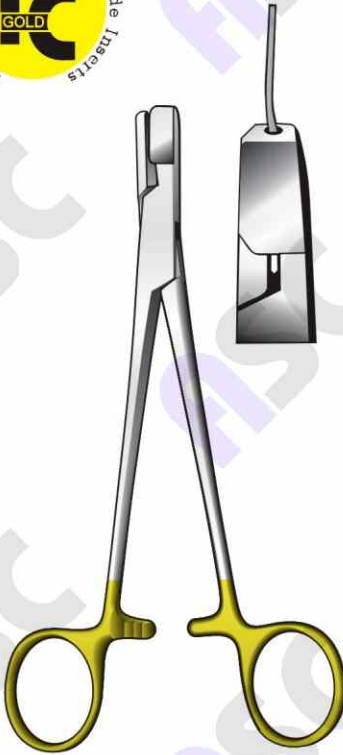


23-5535-18T
18.5 cm / 7 1/4"
23-5535-20T
20 cm / 8"



23-5540-00T
Jet wire twister

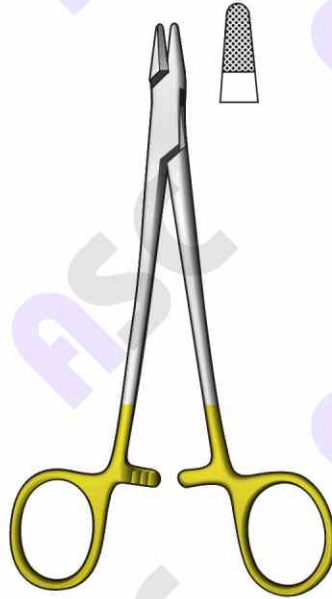
Wire Tightening Pliers, Flat Nose Pliers
Drahtspannerzangen, Flachzangen
Hilos tensores, Alicates de pico plano



23-5550-17T

17 cm / 6 3/4"

Holding forceps for cerclage wire, with lateral jaws to avoid wire slipping off



23-5545-15T

15 cm / 6"

Wire tightening pliers
ligature pliers



Baumgartner
23-5560-20T

20 cm / 8"

Wire twister, ligature forceps



18 cm / 7"
Parallel grip



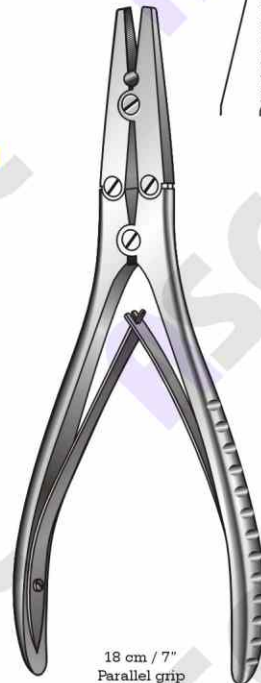
23-5565-18T



23-5566-18T



23-5567-18T



18 cm / 7"
Parallel grip



23-5570-18T



23-5571-18T

Wire Twister, Flat Nose Pliers, Wire Cutting Pliers
Flachzangen, Drahtkneifzangen
Alicates planos, Alicates para cortar alambre



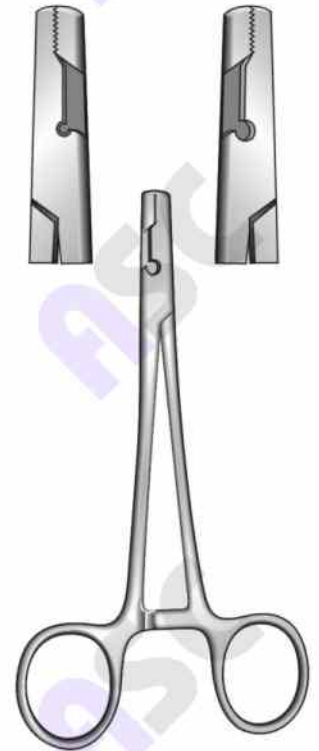
23-5575-16
16 cm / 6 1/4"
Heavy pattern



23-5580-15
15 cm / 6"
For bending & cutting



23-5585-16
16.5 cm / 6 1/2"



23-5590-00
Wire twister / Shear cutter
cuts wire up to 18g, twisted double



17 cm / 6 3/4"



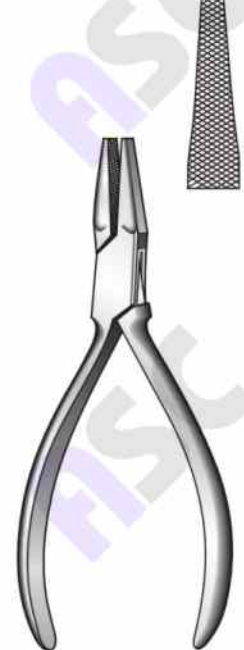
23-5595-17



23-5596-17
With crosswise
groove

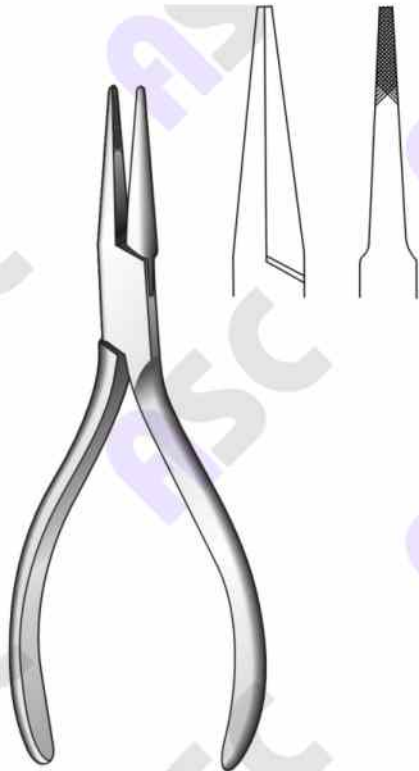


Hakstock
23-5601-16
16 cm / 6 1/4"
With longitudinal groove

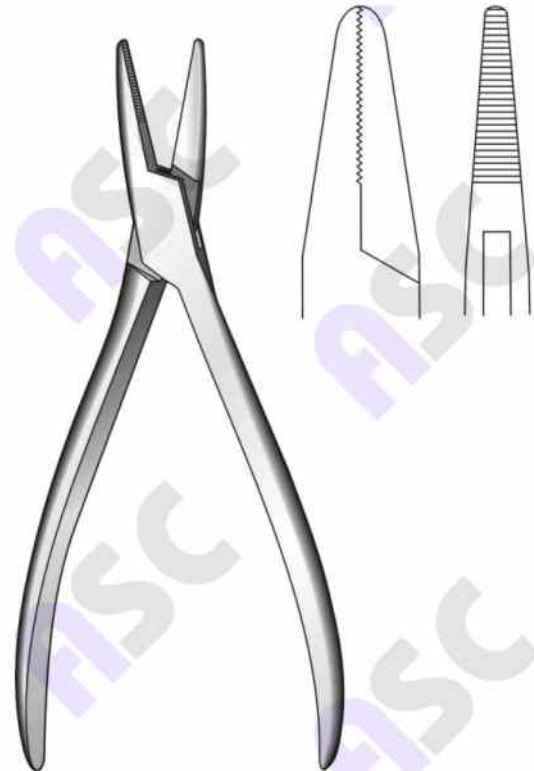


23-5605-14
14 cm / 5 1/2"

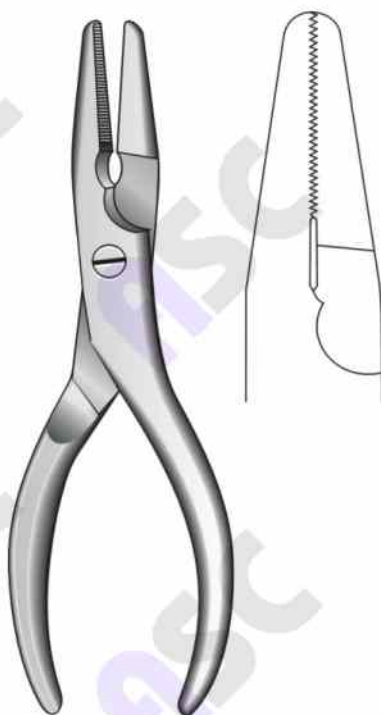
Flat Nose Pliers, Wire Cutting and Twisting Pliers
Flachzangen, Drahtkneifzangen, Drahtzangen
Alicates planos, Alicates para cortar alambre



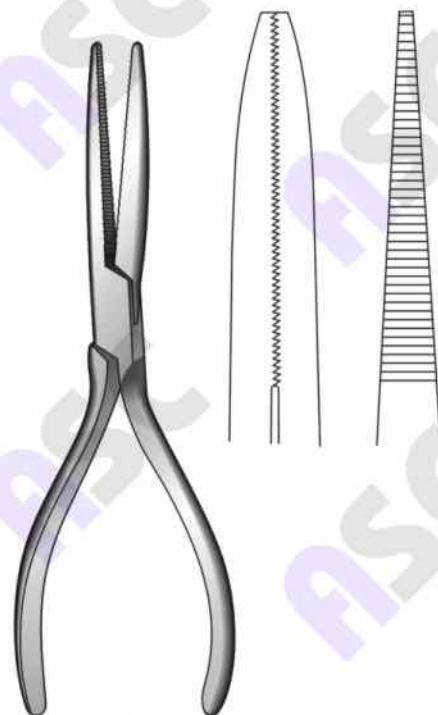
23-5625-15
15 cm / 6"
Flat nose plier
2 mm tip for cerage wire
Delicate



23-5630-19
19 cm / 7½"
3 mm tip
Narrow nose
wire pulling forceps



23-5635-16
16.5 cm / 6½"
3 mm tip
Flat nose plier



23-5640-18
18 cm / 7"
Jaw length: 2½"
2 mm tip
Parallel grooved jaws
Long jaw needle nose plier

Wire Tighteners, Drill Chucks, Wire Twisters
Drahtspanner, Spannfutter, Drahtzwirbel
Hilos tensores, Mandril de sujeción, Torcer de alambre



Jacobs

23-3501-00

Small

23-3502-00

Large

Stainless steel



23-3505-00

Key for Jacobs chuck
Stainless steel



23-5655-00

Wire tightener



23-3510-00

Small

23-3511-00

Large

Chuck chrome plated



23-3512-00

Key for
chrome plated chuck



23-5670-18

18 cm / 7"

Small cerclage wire twister
anodized aluminum handle



23-5675-00

Large

anodized aluminum handle



23-5680-00

23-5685-00

Wire twister small
Stainless steel



23-5690-18

18 cm / 7"

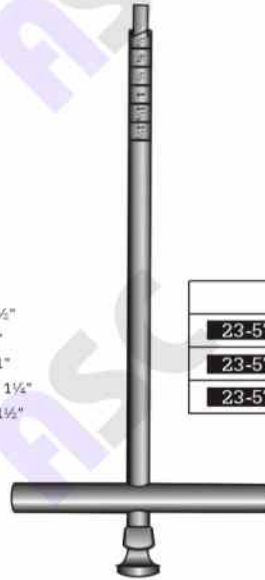
Large cerclage wire twister
anodized aluminum handle
Stainless steel tip

Drill Guide, Wire Twister and Wire Cutting Pliers, Trephines
Flachzangen, Drahtkneifzangen, Trephine
Alicates planos, Alicates para cortar alambre, Trepanos



Hudson
10 cm / 4"
Trephine

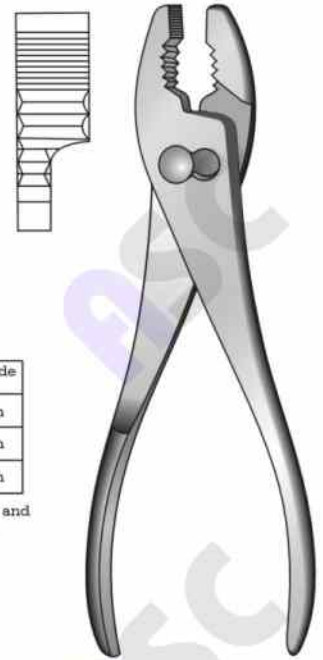
	Hole size
23-4030-12	12.7 mm / 1/2"
23-4030-19	19 mm / 3/4"
23-4030-25	25.4 mm / 1"
23-4030-31	31.75 mm / 1 1/4"
23-4030-38	38.1 mm / 1 1/2"



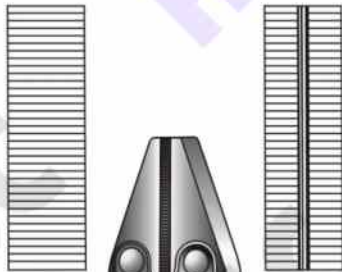
Michele
Trephine

		Inside Ø	Outside Ø
23-5730-00	Small	3 mm	5 mm
23-5731-00	Medium	4 mm	6 mm
23-5732-00	Large	6 mm	8 mm

Facilitates removal of wire and broken bone screws.



23-5695-20
20 cm / 8"
Slip joint plier
10 mm tip
Maximum opening 2"



23-5710-13 13 cm / 5 1/4"
23-5710-17 17 cm / 6 1/2"



23-5715-17 17 cm / 6 1/2"
23-5715-12 12.5 cm / 5"
With side cutter



23-5720-18
18 cm / 7"

Heavy Duty Locking Pliers & Needle Nose Locking Pliers
with a new reinforced, more durable jaw.

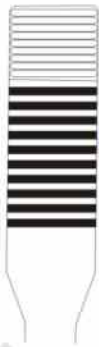
- Heavy duty jaws lock securely onto pins.
- Reinforced jaw hinge and housing are more rigid to
- Help prevent side to side shifting.
- Made from 300 and 400 series Surgical grade
- Stainless steel.
- Will not chip or contaminate other instrumentation
- Adjustment screw for easy control of jaw opening
- One handed, quick release self-locking lever.
- Available in three sizes.



23-5760-17
17.5 cm / 6 7/8"
Tip width 7 mm
Maximum opening 1"
Small



23-5760-20
20 cm / 8"
Tip width 9 mm
Maximum opening 1"
Medium



23-5760-25
25.5 cm / 10"
Tip width 13 mm
Maximum opening 1"
Large



23-5765-24
24 cm / 9 1/2"
Length of jaw 2 1/2"
Tip width 5 mm
Jaws are parallel at 3 mm



23-5765-30
30 cm / 12"
Length of jaw 3"
Tip width 7 mm
Jaws are parallel at 5 mm
Large



Locking plier



Needle nose locking plier

Wire Cutting Pliers
Drahtkneifzangen
Alicates para cortar alambre



"Diamant"
23-5770-16
16 cm / 6 1/4"



23-5775-16
16 cm / 6 1/4"
for soft wires up to 2.5 mm Ø
for hard wires up to 2.0 mm Ø



23-5780-00
16 cm / 6 1/4"
for soft wires up to 2.4 mm Ø
for hard wires up to 1.8 mm Ø



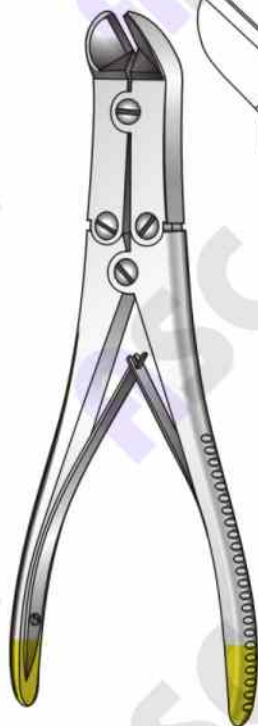
23-5785-16T 16 cm / 6 1/4"
23-5785-18T 18 cm / 7"
23-5785-20T 20 cm / 8"



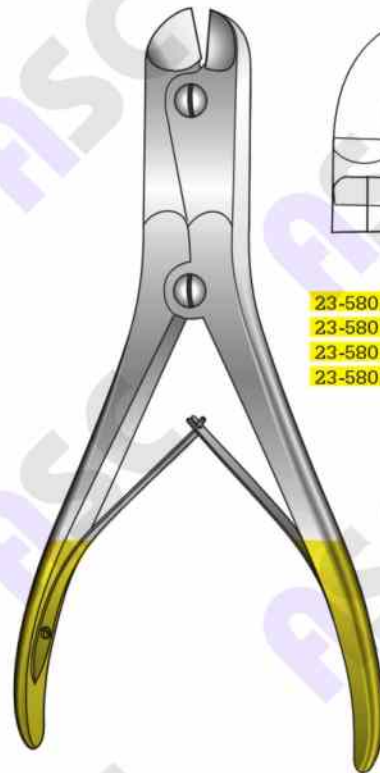
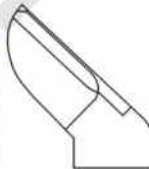
23-5790-14T 14 cm / 5 1/2"
23-5790-16T 16 cm / 6 1/4"
23-5790-18T 18 cm / 7"



For up to
1.6 mm



23-5795-22T
22 cm / 8 3/4"
For soft wires up to 2.6 mm Ø
For hard wires up to 2.2 mm Ø



23-5801-14T 14 cm / 5 1/2"
23-5801-16T 16 cm / 6 1/4"
23-5801-18T 18 cm / 7"
23-5801-22T 22 cm / 8 1/2"



For soft wires up to 3 mm Ø
For hard wires up to 2.2 mm Ø

Wire Cutting Pliers
Drahtkneifzangen
Alicates para cortar alambre



23-5805-15

15 cm / 6"

For soft wires up to 2.0 mm Ø
For hard wires up to 1.2 mm Ø



23-5810-24

24 cm / 9½"



23-5815-18T

18 cm / 7"

For soft wires up to 2 mm Ø
For hard wires up to 1.5 mm Ø



23-5820-17T

17 cm / 6¾"

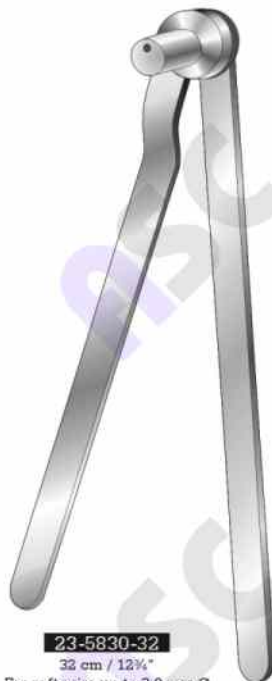
Angled slender pattern for wire removal (for soft wire up to 0.9 mm Ø) after sternum suture



23-5825-22T

22 cm / 8¾"

For soft wire up to 3.5 mm Ø
For hard wire up to 2.5 mm Ø

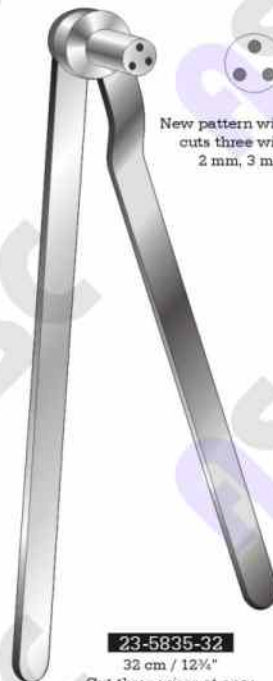


23-5830-32

32 cm / 12¾"

For soft wire up to 3.0 mm Ø
For hard wire up to 3.0 mm Ø

Cutter for cutting off Kirschner wires tibia head screws, bolts & pins up to 3 mm Ø



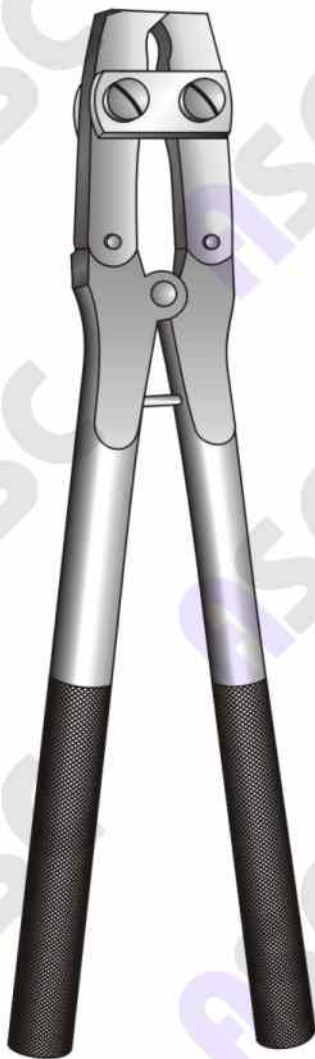
23-5835-32

32 cm / 12¾"

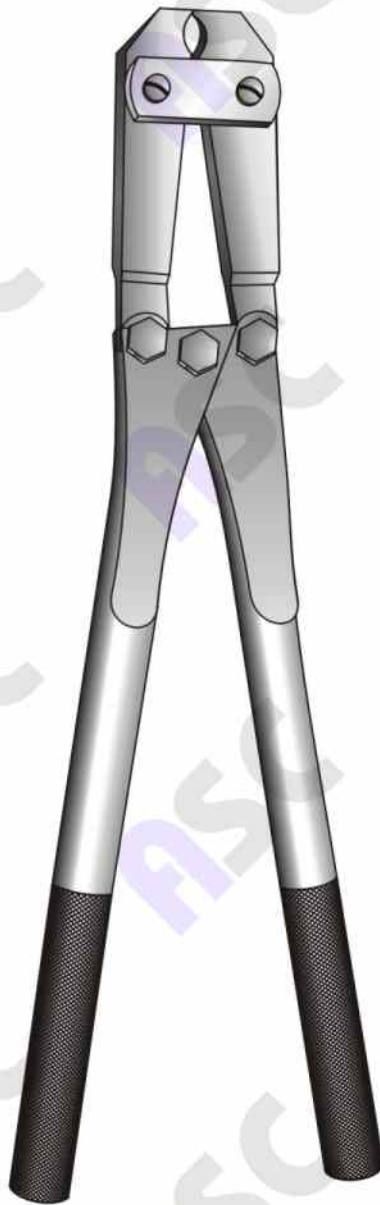
Cut three wires at once
For soft wire up to 4.0 mm Ø
For hard wire up to 3.0 mm Ø

New pattern with three holes cuts three wires at once
2 mm, 3 mm, 4 mm Ø

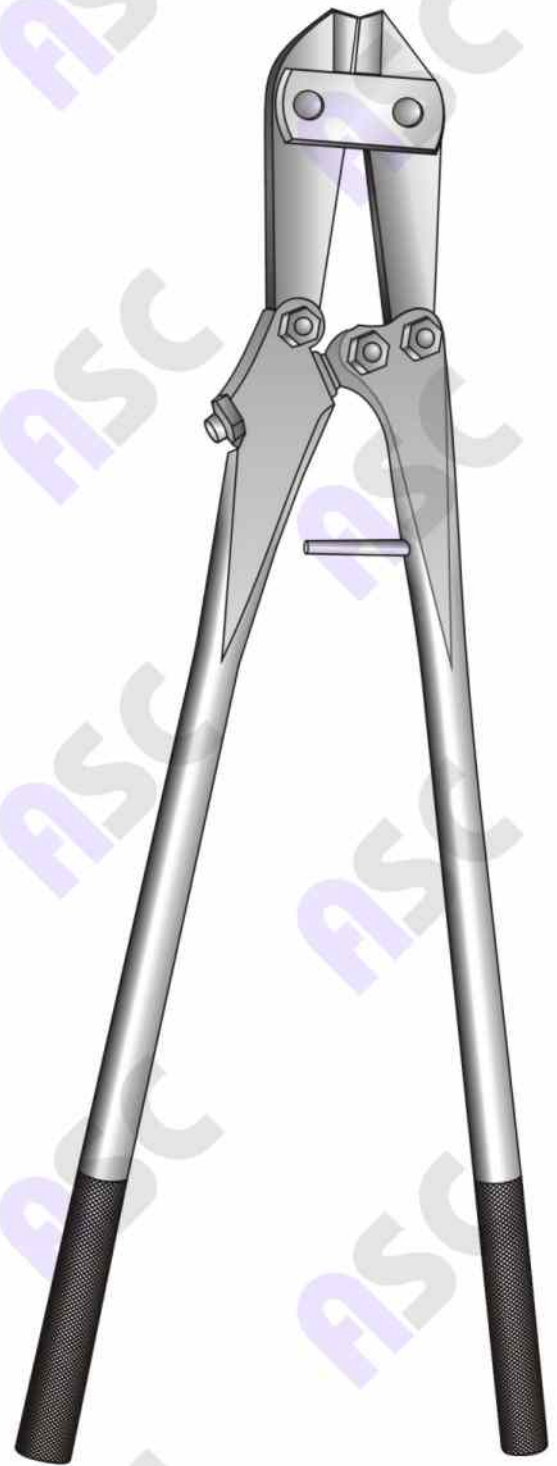
Wire Cutting Pliers
Drahtkneifzangen
Alicates para cortar alambre



23-5840-25
25 cm / 10"
For wires up to 3.0 mm
Head cutter



23-5845-38
38 cm / 15"
For wires up to 4.0 mm
Head cutter



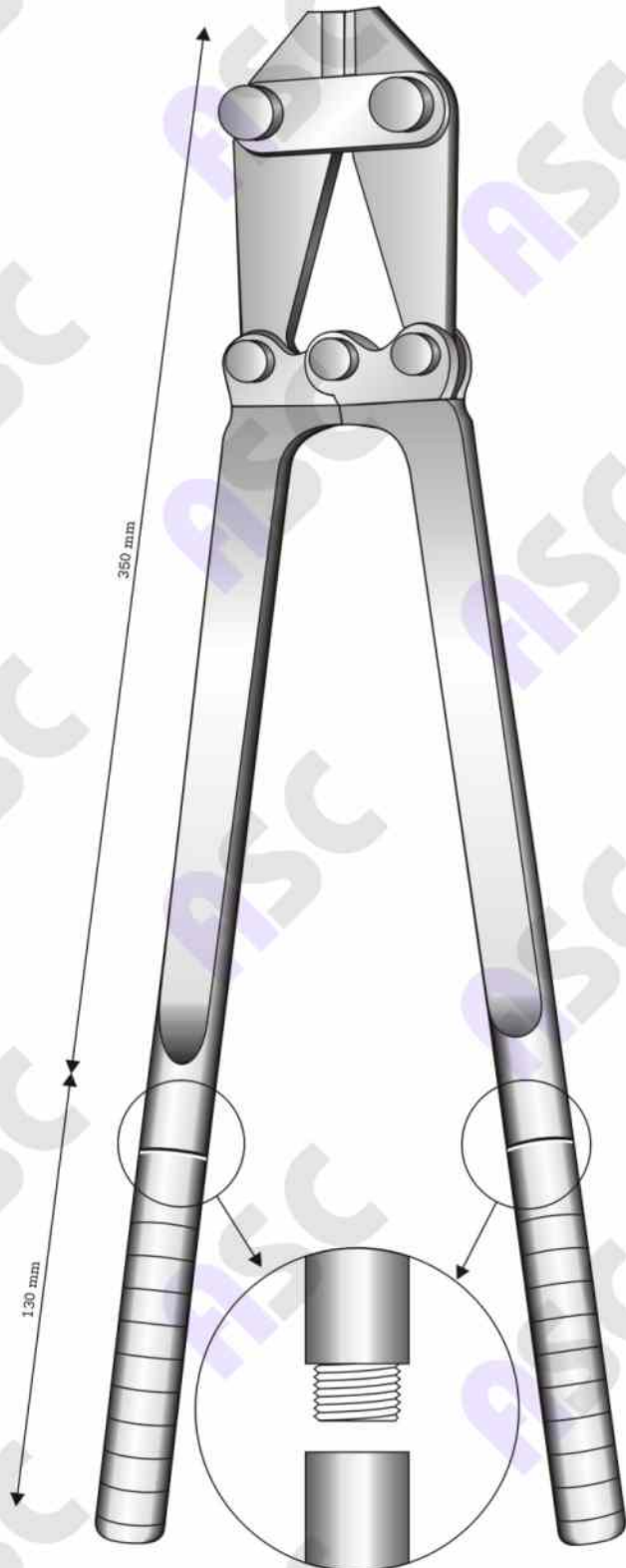
23-5850-38T 38.5 cm / 15" For wire 5 mm
23-5850-45T 45 cm / 17½" 6 mm
23-5850-56T 56 cm / 22" 7.5 mm
TC wire cutter



23-5855-30
30 cm / 12"

23-5855-47
47 cm / 18½"

Cutter for cutting off kirschner wires,
tibia head screws
bolts, pins up to 6 mmØ



23-5860-48
48 cm / 19"

Cutter for cutting off wires,
head screws
and pins up to 6 mm

Wire Cutting Pliers
Drahtkneifzangen
Alicates para cortar alambre

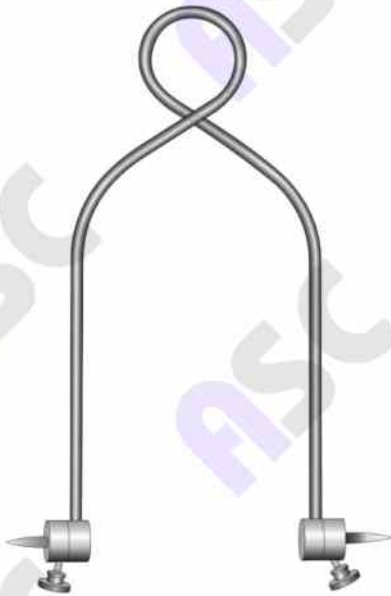


23-5865-24
24 cm / 9½"
Plate cutting forceps
For cutting stainless steel
mini plates up to 1 mm

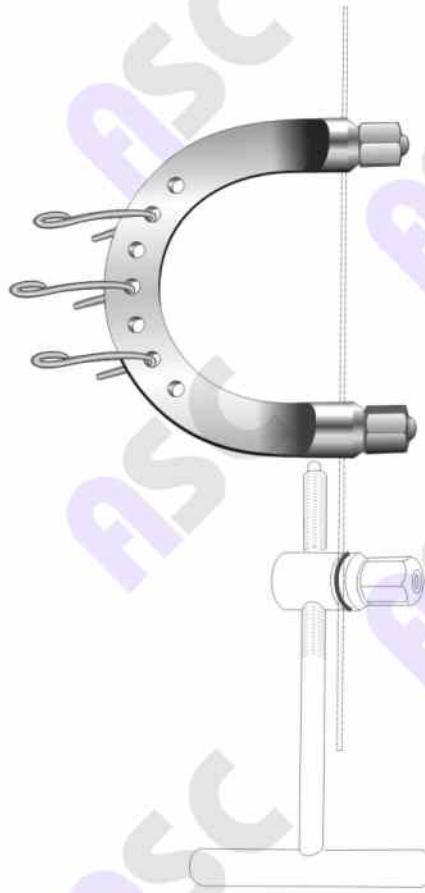


23-5870-38
38 cm / 15"
Double action pin cutter
Heavy duty with Carb-N-Sert cutting blades
cut upto 3/16"Ø
Stainless steel

Extension Bows
Extensionsbügel
Estribos para extensión



- 23-5875-09** 16 x 9 cm, 5/4" x 3 1/2"
For arm
- 23-5875-11** 21 x 11 cm, 8 1/4" x 4 1/2"
For thigh and knee
- 23-5875-15** 21 x 15 cm, 8" x 6"
- For femur and knee
- 23-5875-12** 8.5 x 12 cm, 3 1/2" x 4 3/4"
- 23-5875-17** 11 x 17 cm, 4 1/4" x 6 1/4"
- 23-5875-23** 15 x 23 cm, 6" x 9"



23-5885-00



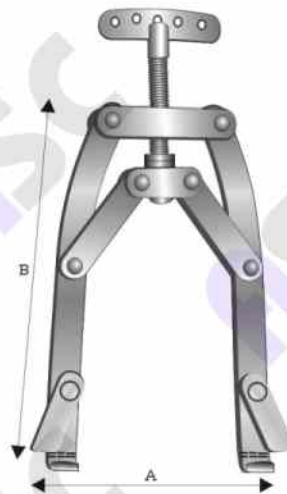
23-5890-00

Kirschner

	H x B
23-5880-07	9.5 x 7.0 cm
23-5880-10	10.5 x 10.5 cm
23-5880-12	12.0 x 12.0 cm
23-5880-15	15.5 x 15.5 cm
23-5881-15	20.0 x 15.5 cm



- h x b
- 23-5895-10** 18 x 10 cm
- 23-5895-16** 27 x 16 cm



Kirschner U.S.

	A x B
23-5901-20 Small	100 13 x 20 cm
23-5902-27 Medium	150 20 x 27 cm
23-5903-00 Large	
23-5904-00 X-Large	



23-5905-00
Traction hooklet
for extension bows

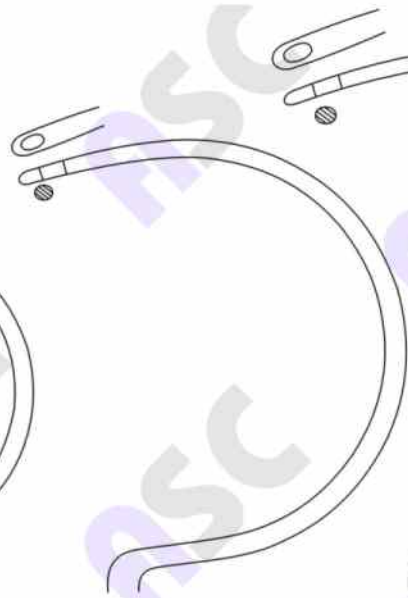


23-5906-00
Traction hooklet
for extension bows

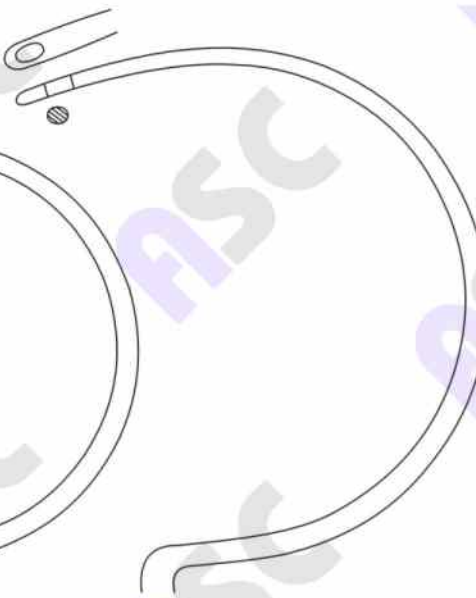
Bone Wire Guides, Graft Passer
Drahtumführungsnaedeln
Agujas pass hiles



23-5910-27
27.5 cm / 10 7/8"
Fig. 3



23-5910-28
28.5 cm / 11 1/4"
Fig. 2

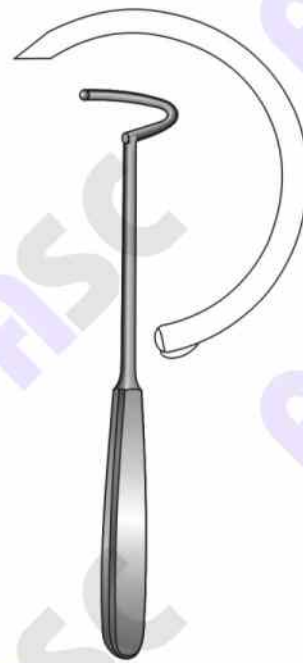


23-5910-30
30.5 cm / 12"
Fig. 1



23-5915-24
24 cm / 9 1/2"

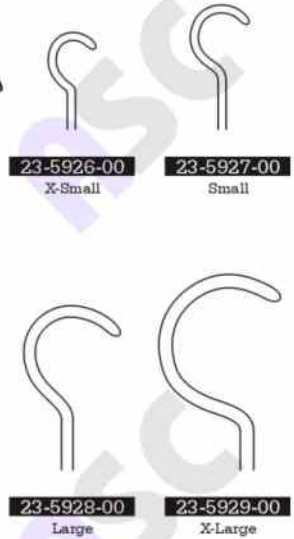
23-5915-27
27 cm / 10 3/4"



23-5920-22
22.5 cm / 9"



Graft Passer
23-5925-00
XL-Large
Curved
Slot cut into head



23-5926-00
X-Small

23-5927-00
Small

23-5928-00
Large

23-5929-00
X-Large



Demel
23-5930-28
28 cm / 11"



Loute
23-5935-21
21 cm / 8 1/4"



23-5940-00
Cerolage wire passer



23-5945-00
45 mm Ø



23-5950-00
70 mm Ø



Kuntscher
26 cm / 10 1/4"
23-5955-26 8 mm
23-5956-26 10 mm
23-5957-26 12.5 mm



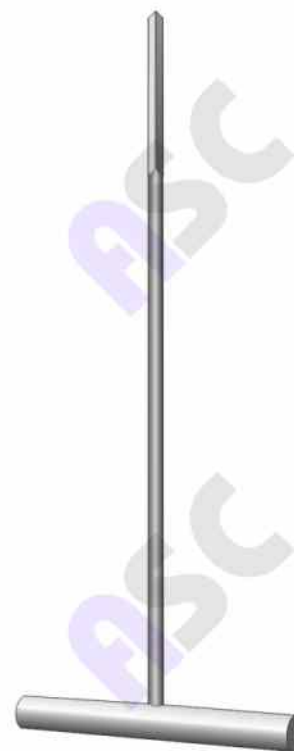
Kuntscher
23-5960-35
35 cm / 14"



23-5965-00
23-5966-00



23-5970-29 29 cm / 11 1/4"
23-5970-37 37 cm / 14 1/4"
23-5970-42 42 cm / 16 1/4"
23-5970-49 49 cm / 19 1/4"



23-5975-00 2.4 mm Ø
23-5976-00 3.2 mm Ø
32-5977-00 4.8 mm Ø
23-5978-00 6.4 mm Ø

Bone Nailing Instruments
Knochen Nagel Instrumente
Instrumentos óseos para clavar



23-5980-00
2.4 mm Ø



23-5985-00
3.2 mm Ø



23-5990-00
4.8 mm Ø



23-5995-00
6.4 mm Ø



23-6001-00 2.4 mm Ø
23-6002-00 3.2 mm Ø
23-6003-00 4.8 mm Ø
23-6004-00 6.4 mm Ø



23-6005-21
21 cm / 8¼"



Kuentscher
23-6010-21
21 cm / 8¼"



Kuentscher
23-6015-21
21 cm / 8¼"



Kuentscher
23-6020-63
63 cm / 25¼"



23-6021-00



23-6022-00



23-6023-00

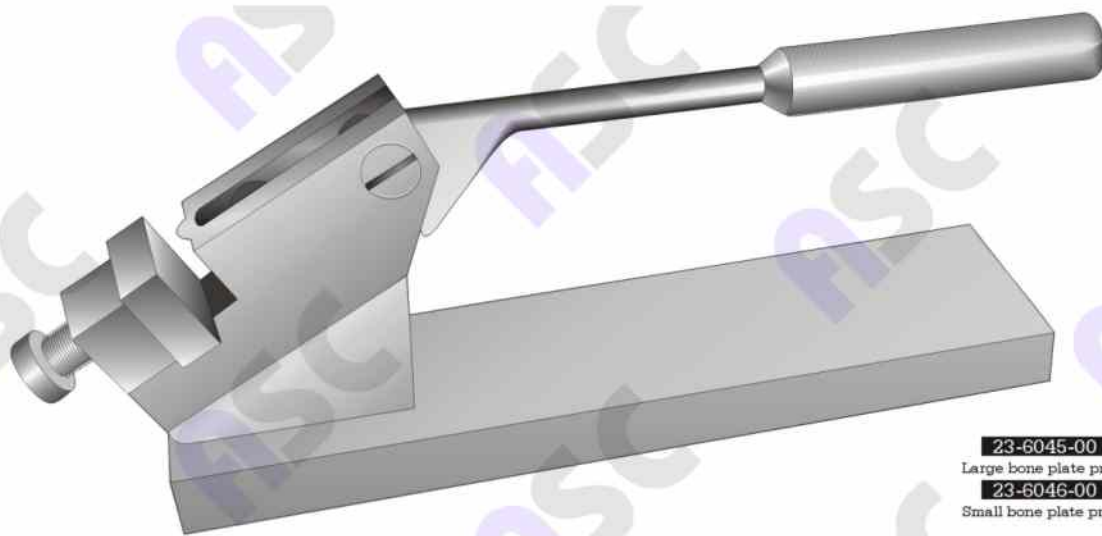


23-6024-00



23-6025-00

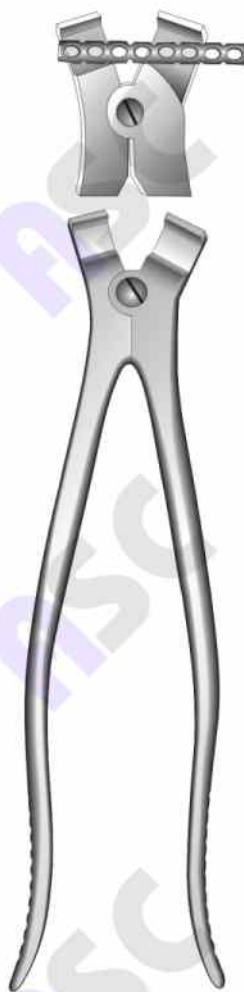
Bone Plate Benders
Plattenbiegeinstrumente
Instrumentos óseos para clavar



23-6045-00
Large bone plate press
23-6046-00
Small bone plate press



23-6050-22
22 cm / 8 3/4"

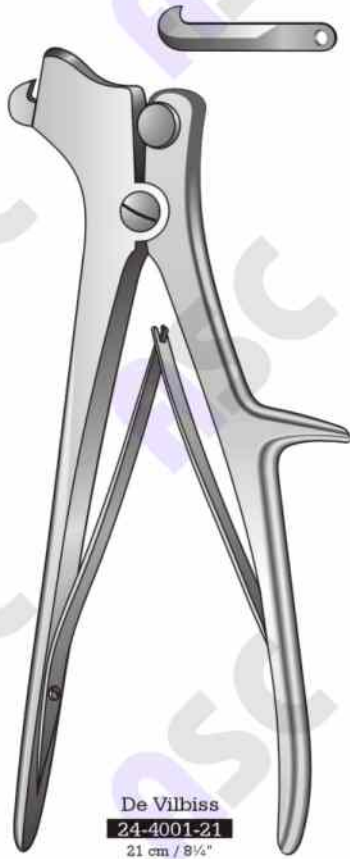


23-6060-00
Plate bending plier

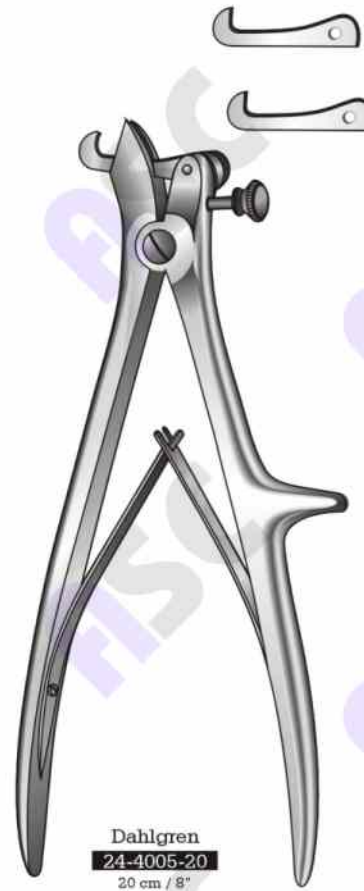


23-6065-00
Plate bending plier

Craneal Rongeurs, Wire Saws
Schädelzangen, Drahtsägen
Pinzas sacabocados craneales, Sierras de hilo



De Vilbiss
24-4001-21
21 cm / 8 1/4"



Dahlgren
24-4005-20
20 cm / 8"

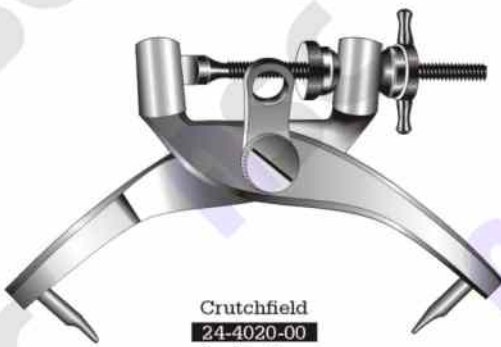


Cone
24-4010-22
22.5 cm / 9"
Cranial punch



Martel
24-4015-33
33 cm / 13"
Saw guide, flexible

Skull Traction Tongs
Schädelhalter
Estribos de tracción craneal



Crutchfield
24-4020-00
Small pattern



Crutchfield
24-4025-00
Medium pattern



24-4040-00 Small
24-4041-00 Large



24-4045-00
7 cm / 2 3/4"
3.5 mm Ø
Drill point

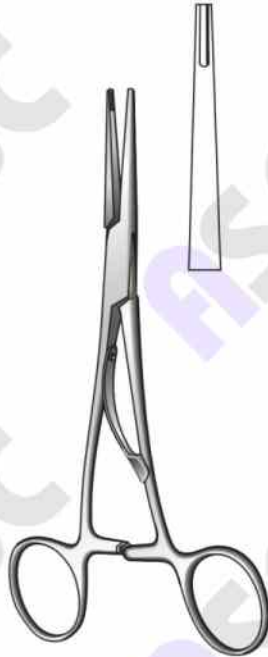


24-4046-00
7 cm / 2 3/4"
5 mm Ø
Drill point

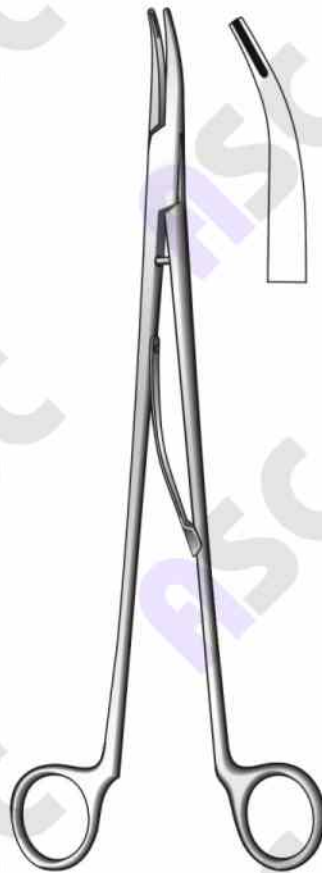
Clip Applying Forceps
Clips Anlegezangen
Grapas pinzas aplicadoras



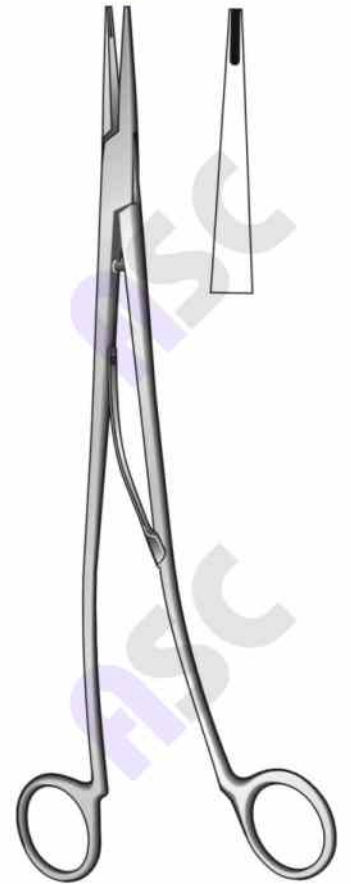
McKenzie
24-4050-15 15 cm / 6"
24-4050-19 19 cm / 7½"



McKenzie
24-4055-15 15 cm / 6"
24-4055-19 19 cm / 7½"



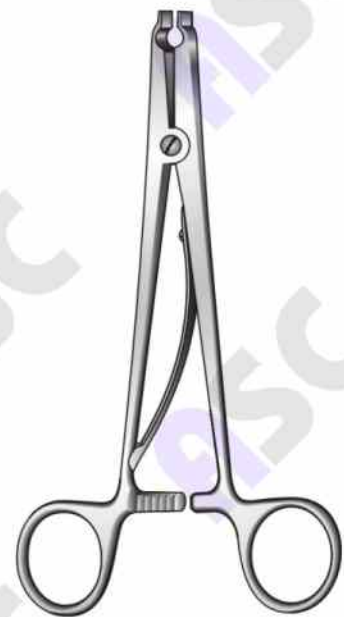
Smithwick
24-4060-23 23 cm / 9"
24-4060-26 26 cm / 10¼"



Sweet
24-4065-23 23 cm / 9"
24-4065-25 25 cm / 10"



Olivecrona Tbennis
24-4070-14
14 cm / 5½"



Raney
24-4075-16
16.5 cm / 6½"

Nerve Root Retractors, Brain Spatula
Nervwurzelnaken, Hirnspatel
Separadores para la raíz de nervio, Espátulas cerebrales



Love
24-4080-19
19 cm / 7 3/4"
Straight
Fig. 1



Love
24-4085-19
19 cm / 7 3/4"
Angled at 45°
Fig. 2



Love
24-4090-19
19 cm / 7 3/4"
Angled at 90°
Fig. 3



Cushing
24-4095-17 17 cm / 6 1/4"
24-4095-20 20 cm / 8"
24-4095-28 28 cm / 11 1/4"



Olivecrona
24-4101-18 7 x 9 mm
24-4102-18 11 x 13 mm
24-4103-18 15 x 18 mm
24-4104-18 18 x 22 mm
18 cm / 7"
Concave



Olivecrona
24-4105-18 7 x 9 mm
24-4106-18 11 x 13 mm
24-4107-18 15 x 18 mm
24-4108-18 18 x 22 mm
18 cm / 7"
Convex

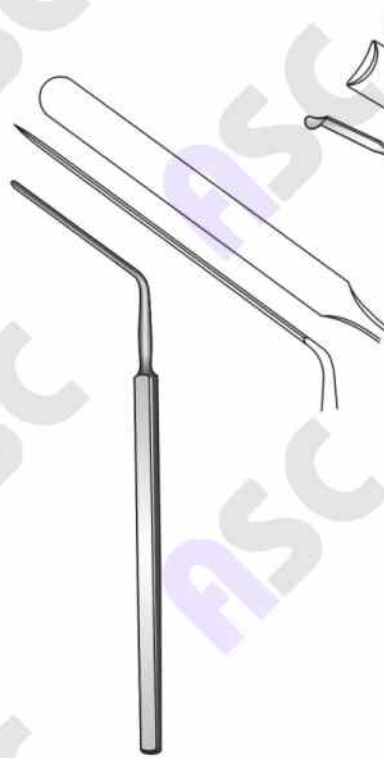
Dura Dissectors, Nerve Root Retractors
Dura-Dissektoren, Nervwurzelnhaken
Descoladores de duramadre, Separadores para la raiz de nervio



Davis
24-4110-24
24.5 cm / 9 1/4"



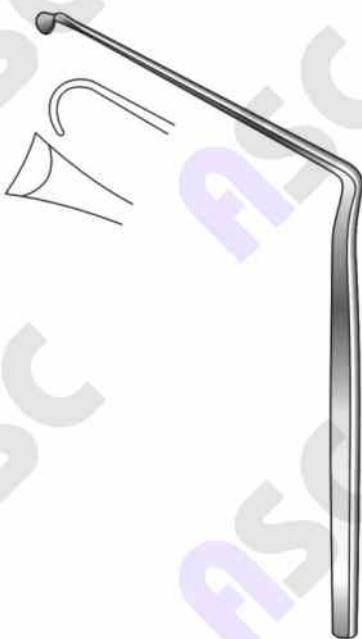
Sachs
24-4115-21
21 cm / 8 1/4"



Horsley
24-4120-20
20 cm / 8"



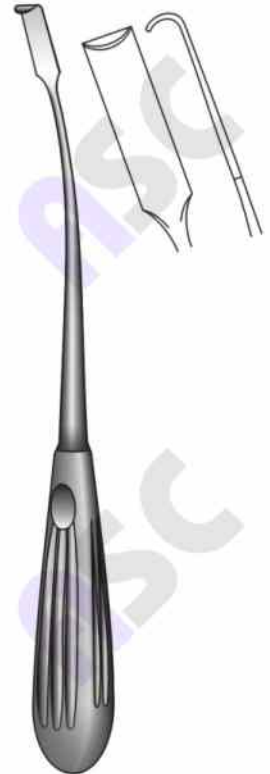
Scoville
24-4125-20
20 cm / 8"



24-4130-21
21 cm / 8 1/4"



Scoville
24-4135-23
23 cm / 9"



Holsher
24-4140-24
24 cm / 9 1/2"

Nerve Root Retractors
Nervwurzelnaken
Separadores para la raíz de nervio



Cushing
24-4145-21
21.5 cm / 8½"



Sachs
24-4150-21
21.5 cm / 8½"



Sachs
24-4155-21
21.5 cm / 8½"



Cushing
24-4160-23
23 cm / 9"



Sachs
24-4165-21
21.5 cm / 8½"

Nerve Hooks, Dura Hooks, Dissectors
Nerv-, Durahaken
Ganchos para nervios, Ganchos para duramadre



Cushing



Fig. 1

24-4185-19 19 cm / 7½"
24-4185-28 28 cm / 11"



Fig. 2

24-4186-19
24-4186-28



Dandy

24-4170-20
20 cm / 8"



Dandy

24-4175-20
20 cm / 8"



Dandy

24-4180-20
20 cm / 8"



Graham

24-4190-16
16.5 cm / 6½"
Elunt



Sachs

24-4195-18
18.5 cm / 7¼"
Sharp



Cushing

24-4201-14
14 cm / 5½"



Frazier

24-4205-13 13 cm / 5" 24-4206-13
24-4205-18 18 cm / 7" 24-4206-18
Sharp Elunt



Smithwick
24-4210-29
29 cm / 11½"



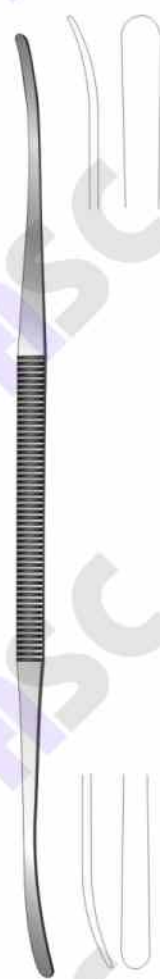
Adson
24-4215-20
20 cm / 8"
Sharp blade 5 mm at right angle



Olivecrona
24-4220-19 19.5 cm / 7¾"
24-4220-24 24 cm / 9½"



Olivecrona
24-4225-18 18 cm / 7"
24-4225-24 24 cm / 9½"



Toennis
24-4230-25
25 cm / 10"

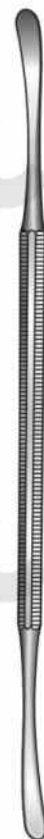
Dura Dissectors
Dura-Dissektoren
Descoladores de duramadre



Milligan
24-4235-21
21 cm / 8¼"



24-4240-22
22 cm / 8¾"



Sachs
24-4245-21
21 cm / 8¼"



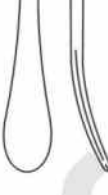
Sachs
24-4250-21
21 cm / 8¼"



Penfield
24-4255-29
29 cm / 11½"



Penfield
24-4260-17
17.5 cm / 7"



Penfield
24-4265-21
21.5 cm / 8½"



Dura Dissectors, Exploring Cannula, Suction tubes, Tampons Cannula
Dura-Dissektoren, Punktionskanülen, Saugkanülen, Tamponrohre
Descoladores de duramadre, Cánulas Ventriculares, Tubos de aspiración, cánula para tapones



Hoehn
24-4270-15
15 cm / 6"



Hoehn
24-4275-15
15 cm / 6"



Frazier
24-4280-15
15 cm / 6"



Frazier
24-4285-12
3 mm Ø
Silver plated
24-4286-12
2 mm Ø
Gold plated
12 cm / 4 3/4"



Seiffert
24-4290-12
12,5 cm / 5"



Elsberg
24-4295-11
11 cm / 4 3/4"
7 Fr. 2.3 mm, luer lock sterling,
3 hole closed end

Lamina Spreaders
Wirbelkörperspreizer
Separadores para cuerpos vertebrales



Inge
24-4301-24
24 cm / 9 1/2"

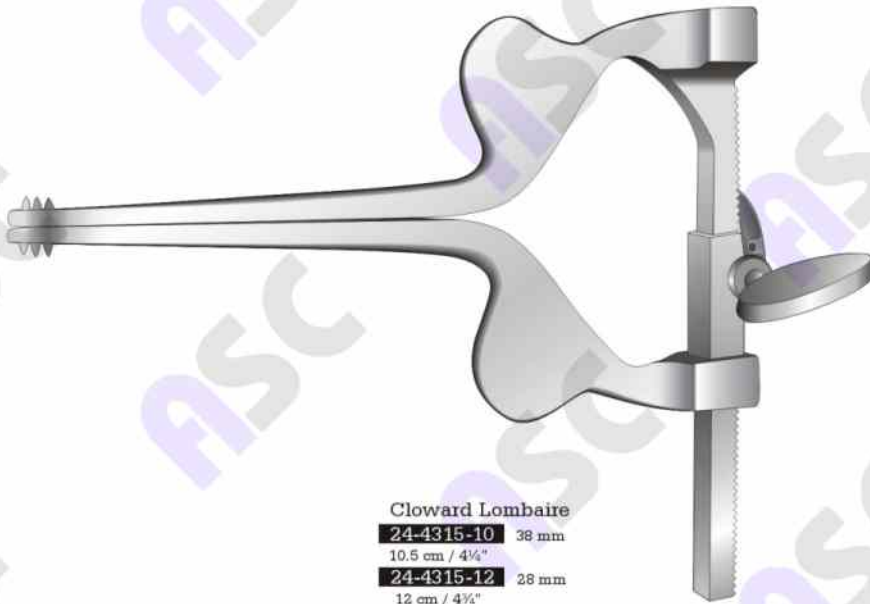


Inge
24-4310-16
16 cm / 6 1/4"



Inge
24-4305-27
27 cm / 10 3/4"

Lamina Spreaders, Wound Spreaders
Wirbelkörperspreizer, Wundspreizer
Separadores para cuerpos vertebrales, Separadores autostaticos



Cloward Lombaire
24-4315-10 38 mm
 10.5 cm / 4 1/4"
24-4315-12 28 mm
 12 cm / 4 3/4"



Cloward
24-4320-16 16 cm / 6 1/4"
24-4320-20 20 cm / 8"



Cloward
24-4325-16
 16 cm / 6 1/4"

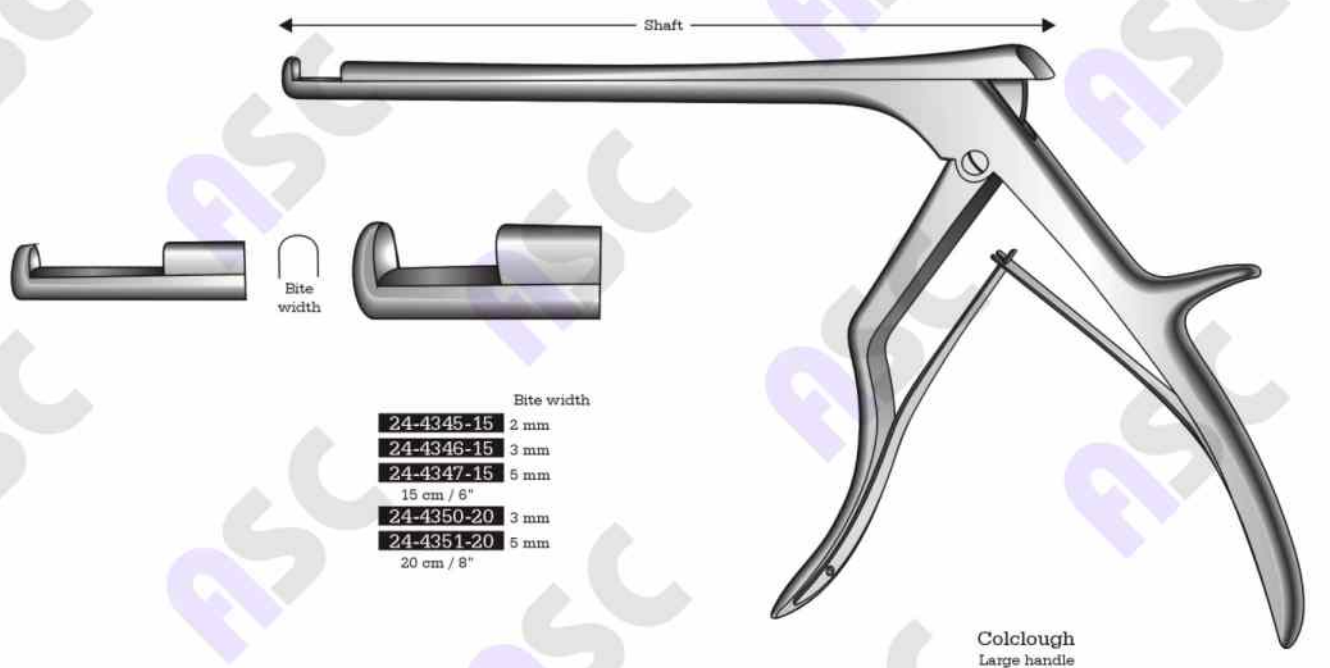


Mathey
24-4330-18
 18 cm / 7"

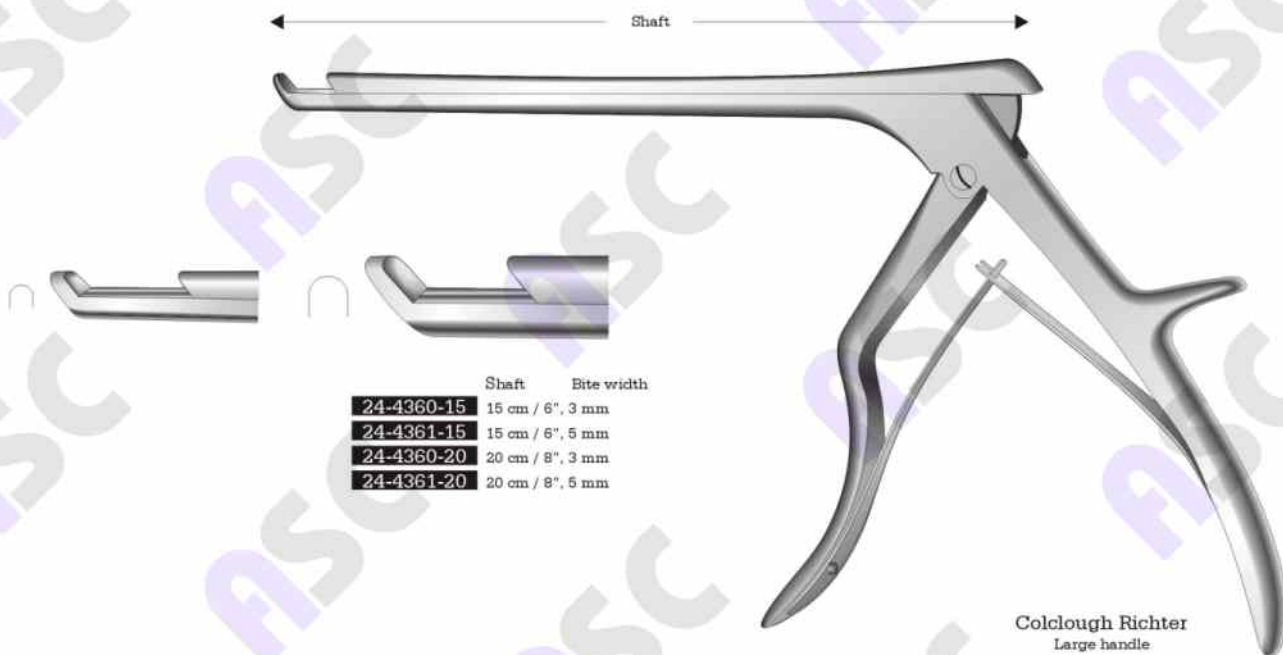
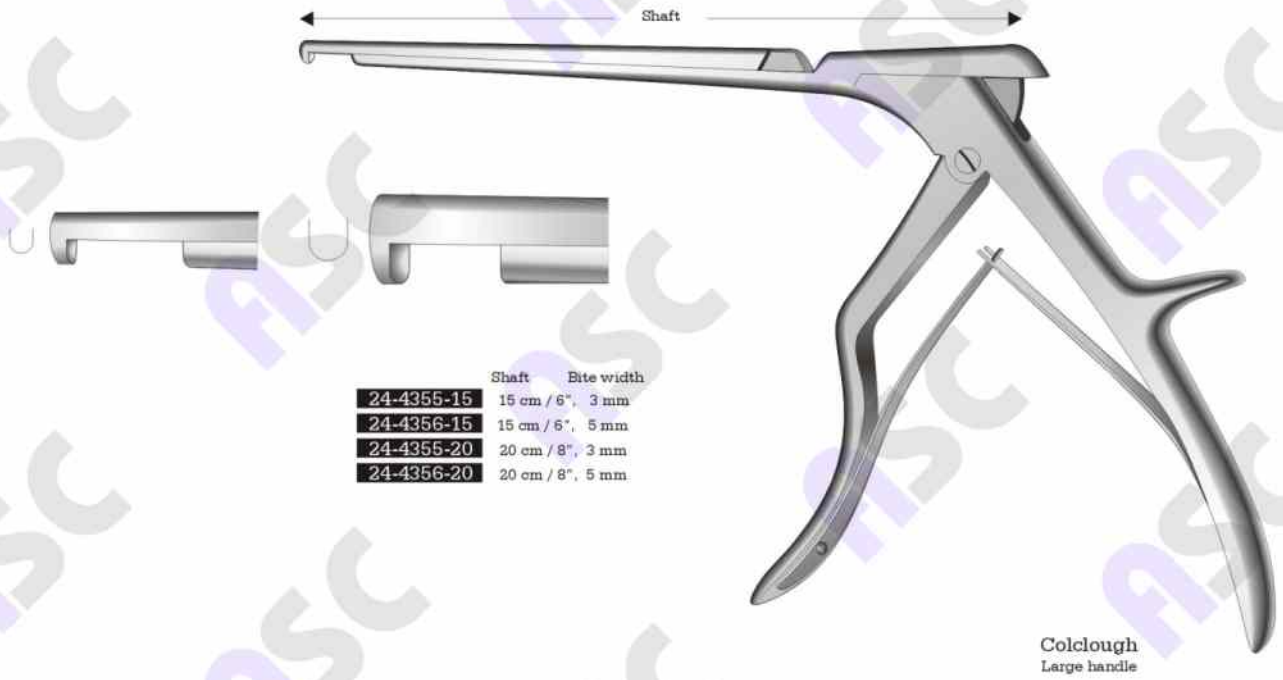


Maurer
24-4335-20
 20 cm / 8"

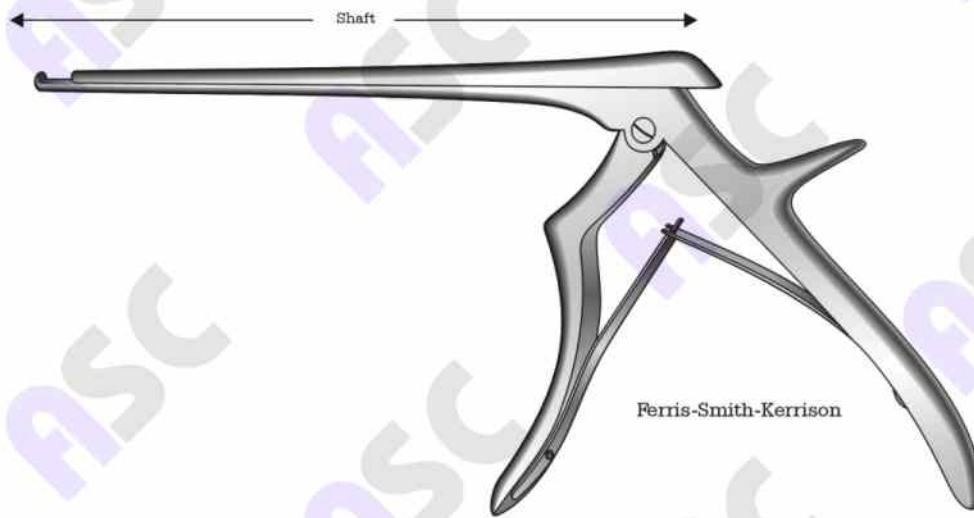
Intervertebral Disc Rongeurs
Bandscheibenstanzen
Pinzas cortantes para discos intervertebrales



Intervertebral Disc Rongeurs
Bandscheibenstanzen
Pinzas cortantes para discos intervertebrales



Intervertebral Disc Rongeurs
 Bandscheibenstanzen
 Pinzas cortantes para discos intervertebrales

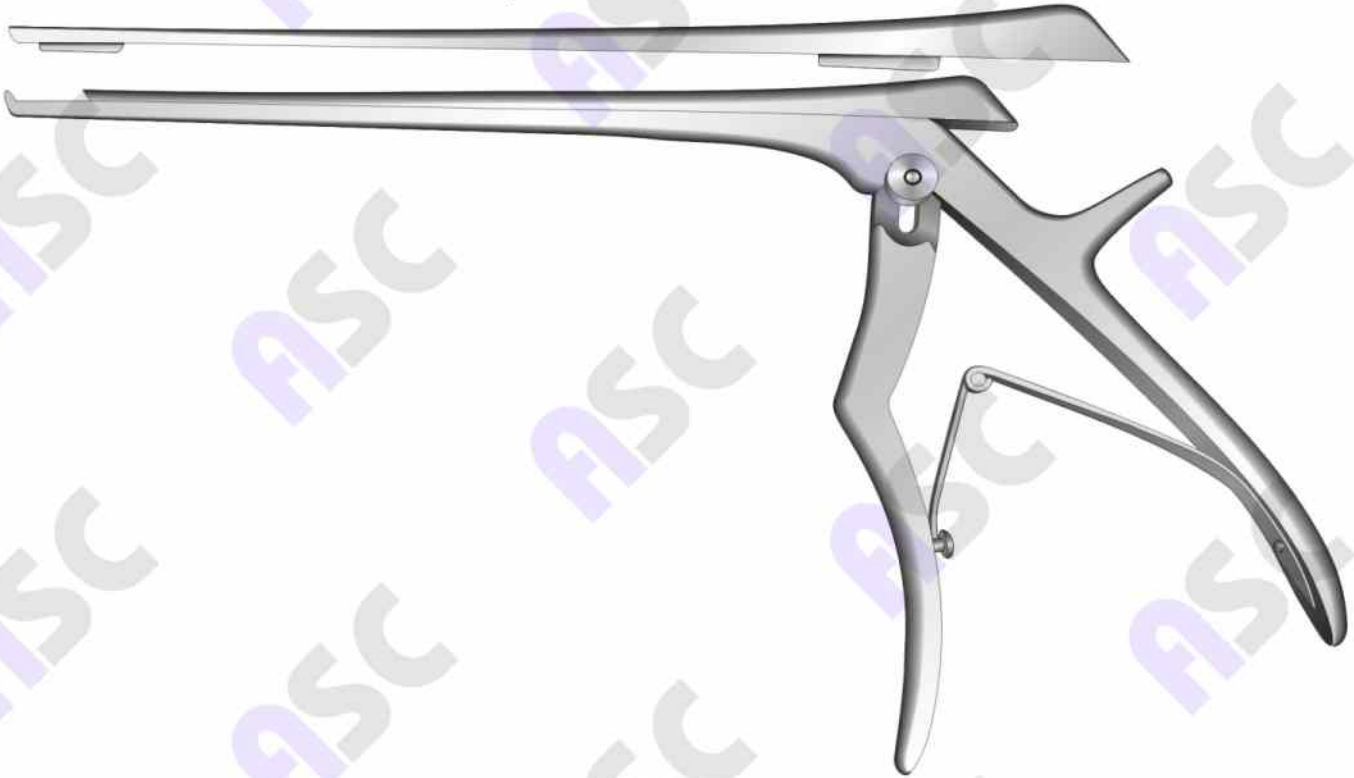


Ferris-Smith-Kerrison

Upward cutting	Downward cutting	Forward cutting
 24-4365-15 15 cm 24-4365-18 18 cm 24-4365-20 20 cm 1 mm	 24-4375-15 15 cm 24-4375-18 18 cm 24-4375-20 20 cm 1 mm	 24-4385-15 15 cm 24-4385-18 18 cm 24-4385-20 20 cm 1 mm
 24-4366-15 15 cm 24-4366-18 18 cm 24-4366-20 20 cm 2 mm	 24-4376-15 15 cm 24-4376-18 18 cm 24-4376-20 20 cm 2 mm	 24-4386-15 15 cm 24-4386-18 18 cm 24-4386-20 20 cm 2 mm
 24-4367-15 15 cm 24-4367-18 18 cm 24-4367-20 20 cm 3 mm	 24-4377-15 15 cm 24-4377-18 18 cm 24-4377-20 20 cm 3 mm	 24-4387-15 15 cm 24-4387-18 18 cm 24-4387-20 20 cm 3 mm
 24-4368-15 15 cm 24-4368-18 18 cm 24-4368-20 20 cm 4 mm	 24-4378-15 15 cm 24-4378-18 18 cm 24-4378-20 20 cm 4 mm	 24-4388-15 15 cm 24-4388-18 18 cm 24-4388-20 20 cm 4 mm
 24-4369-15 15 cm 24-4369-18 18 cm 24-4369-20 20 cm 5 mm	 24-4379-15 15 cm 24-4379-18 18 cm 24-4379-20 20 cm 5 mm	 24-4389-15 15 cm 24-4389-18 18 cm 24-4389-20 20 cm 5 mm
 24-4370-15 15 cm 24-4370-18 18 cm 24-4370-20 20 cm 6 mm	 24-4380-15 15 cm 24-4380-18 18 cm 24-4380-20 20 cm 6 mm	 24-4390-15 15 cm 24-4390-18 18 cm 24-4390-20 20 cm 6 mm

Intervertebral Disc Rongeurs
Bandscheibenstanzen
Pinzas cortantes para discos intervertebrales

Open shaft



Upward cutting

Downward cutting

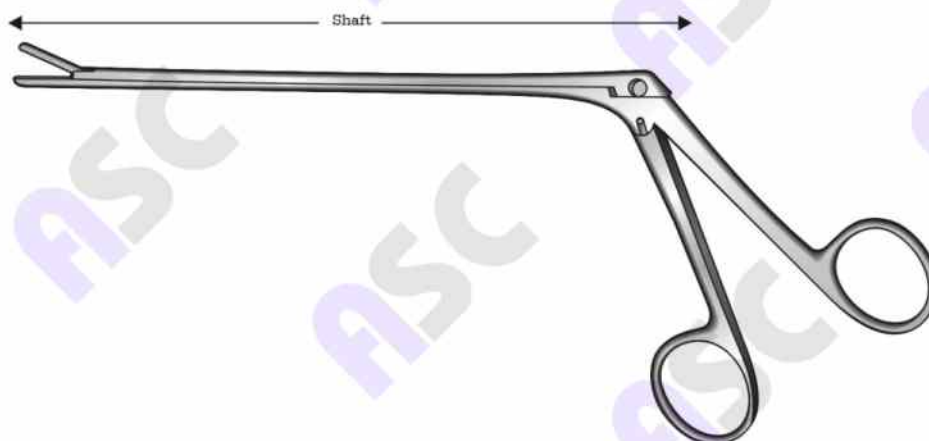
Forward cutting

	24-4415-15 15 cm
	24-4415-18 18 cm
	24-4415-20 20 cm
	1 mm
	24-4416-15 15 cm
	24-4416-18 18 cm
	24-4416-20 20 cm
	2 mm
	24-4417-15 15 cm
	24-4417-18 18 cm
	24-4417-20 20 cm
	3 mm
	24-4418-15 15 cm
	24-4418-18 18 cm
	24-4418-20 20 cm
	4 mm
	24-4419-15 15 cm
	24-4419-18 18 cm
	24-4419-20 20 cm
	5 mm
	24-4420-15 15 cm
	24-4420-18 18 cm
	24-4420-20 20 cm
	6 mm

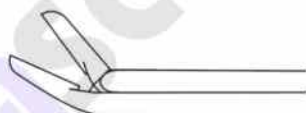
	24-4425-15 15 cm
	24-4425-18 18 cm
	24-4425-20 20 cm
	1 mm
	24-4426-15 15 cm
	24-4426-18 18 cm
	24-4426-20 20 cm
	2 mm
	24-4427-15 15 cm
	24-4427-18 18 cm
	24-4427-20 20 cm
	3 mm
	24-4428-15 15 cm
	24-4428-18 18 cm
	24-4428-20 20 cm
	4 mm
	24-4429-15 15 cm
	24-4429-18 18 cm
	24-4429-20 20 cm
	5 mm
	24-4430-15 15 cm
	24-4430-18 18 cm
	24-4430-20 20 cm
	6 mm

	24-4435-15 15 cm
	24-4435-18 18 cm
	24-4435-20 20 cm
	1 mm
	24-4436-15 15 cm
	24-4436-18 18 cm
	24-4436-20 20 cm
	2 mm
	24-4437-15 15 cm
	24-4437-18 18 cm
	24-4437-20 20 cm
	3 mm
	24-4438-15 15 cm
	24-4438-18 18 cm
	24-4438-20 20 cm
	4 mm
	24-4439-15 15 cm
	24-4439-18 18 cm
	24-4439-20 20 cm
	5 mm
	24-4440-15 15 cm
	24-4440-18 18 cm
	24-4440-20 20 cm
	6 mm

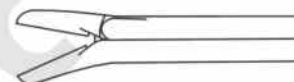
Laminectomy Rongeurs
 Laminektomie Zangen
 Pinzas cortantes para laminectomia



Spurling
24-4445-12 12 cm
24-4445-15 15 cm
24-4445-18 18 cm
 4 x 10 mm
 Straight



Spurling
24-4450-12 12 cm
24-4450-15 15 cm
24-4450-18 18 cm
 4 x 10 mm
 Angled at 45°
 Upward



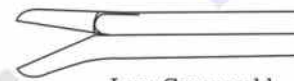
Spurling
24-4455-12 12 cm
24-4455-15 15 cm
24-4455-18 18 cm
 4 x 10 mm
 Angled at 45°
 Downward



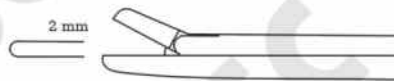
Love Gruenwald
24-4460-12 12 cm
24-4460-15 15 cm
24-4460-18 18 cm
 3 x 10 mm
 Straight



Love Gruenwald
24-4465-12 12 cm
24-4465-15 15 cm
24-4465-18 18 cm
 3 x 10 mm
 Angled at 45°
 Upward



Love Gruenwald
24-4470-12 12 cm
24-4470-15 15 cm
24-4470-18 18 cm
 3 x 10 mm
 Angled at 45°
 Downward



Cushing
24-4475-12 12 cm
24-4475-15 15 cm
24-4475-18 18 cm
 2 x 10 mm
 Straight

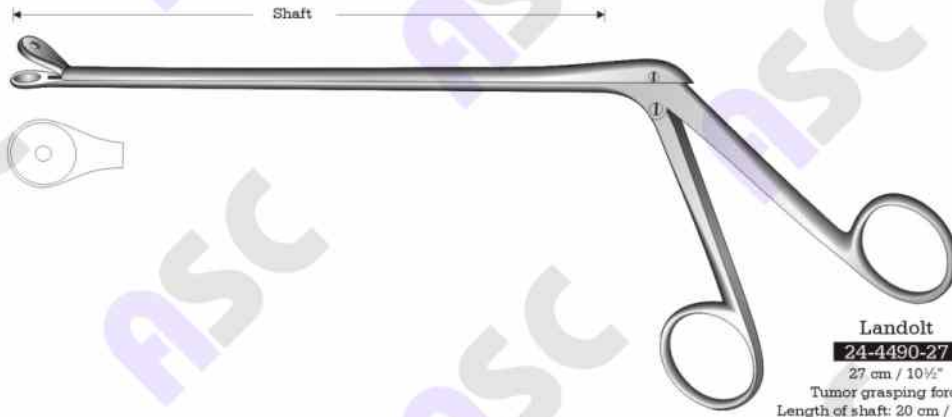


Cushing
24-4480-12 12 cm
24-4480-15 15 cm
24-4480-18 18 cm
 2 x 10 mm
 Angled at 45°
 Upward

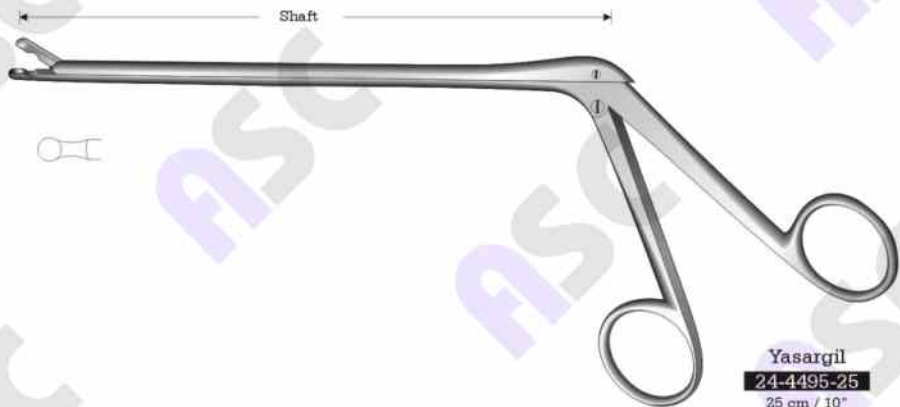


Cushing
24-4485-12 12 cm
24-4485-15 15 cm
24-4485-18 18 cm
 2 x 10 mm
 Angled at 45°
 Downward

Laminectomy Rongeurs
Laminektomie Zangen
Pinzas cortantes para laminectomia



Landolt
24-4490-27
27 cm / 10½"
Tumor grasping forceps
Length of shaft: 20 cm / 8", blunt



Yasargil
24-4495-25
25 cm / 10"
Pituitary rongeur
Length of shaft: 18 cm / 7", sharp



Oldberg
24-4501-25
25 cm / 10"
Length of shaft: 18 cm / 7"



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Alphabetical Index

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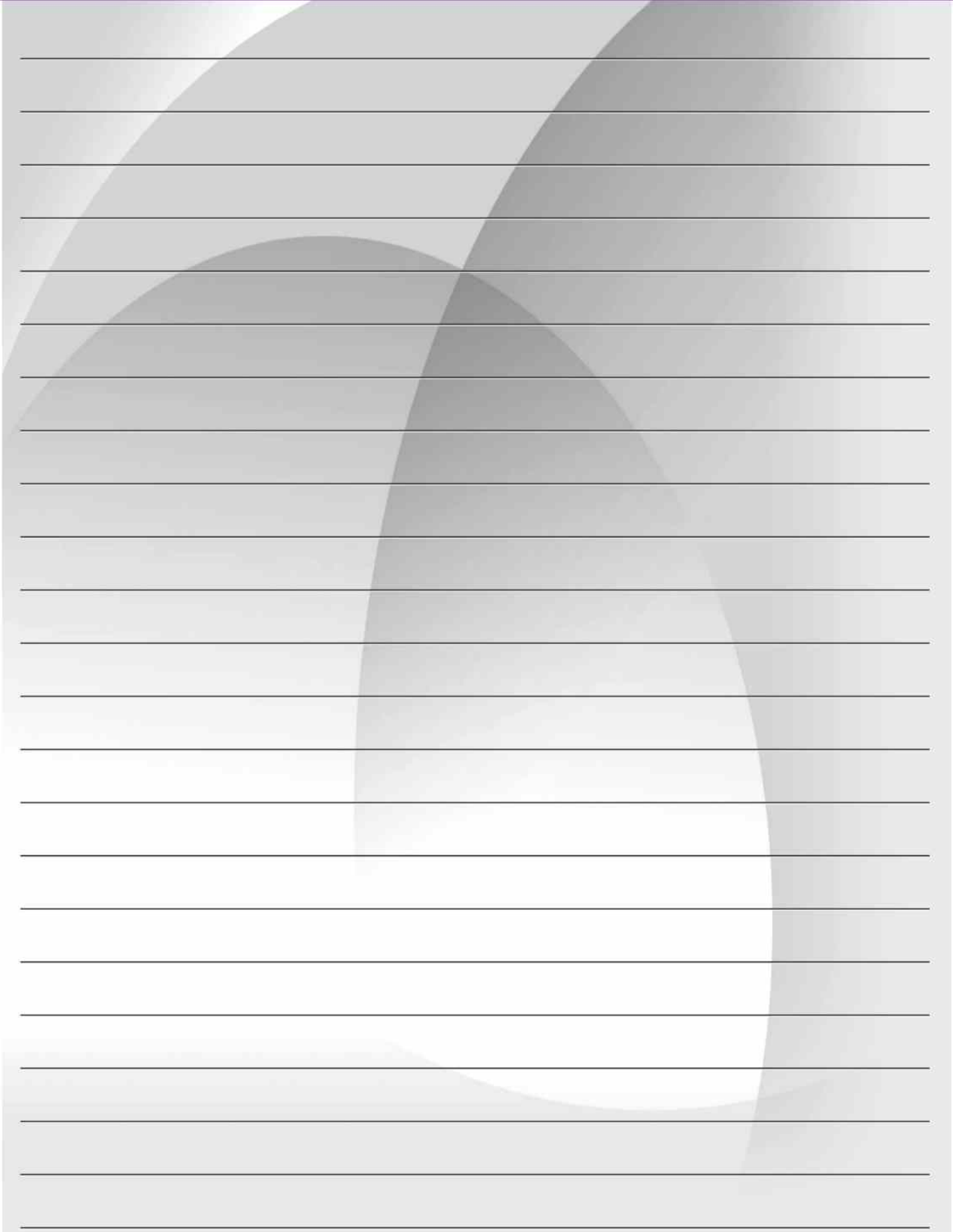
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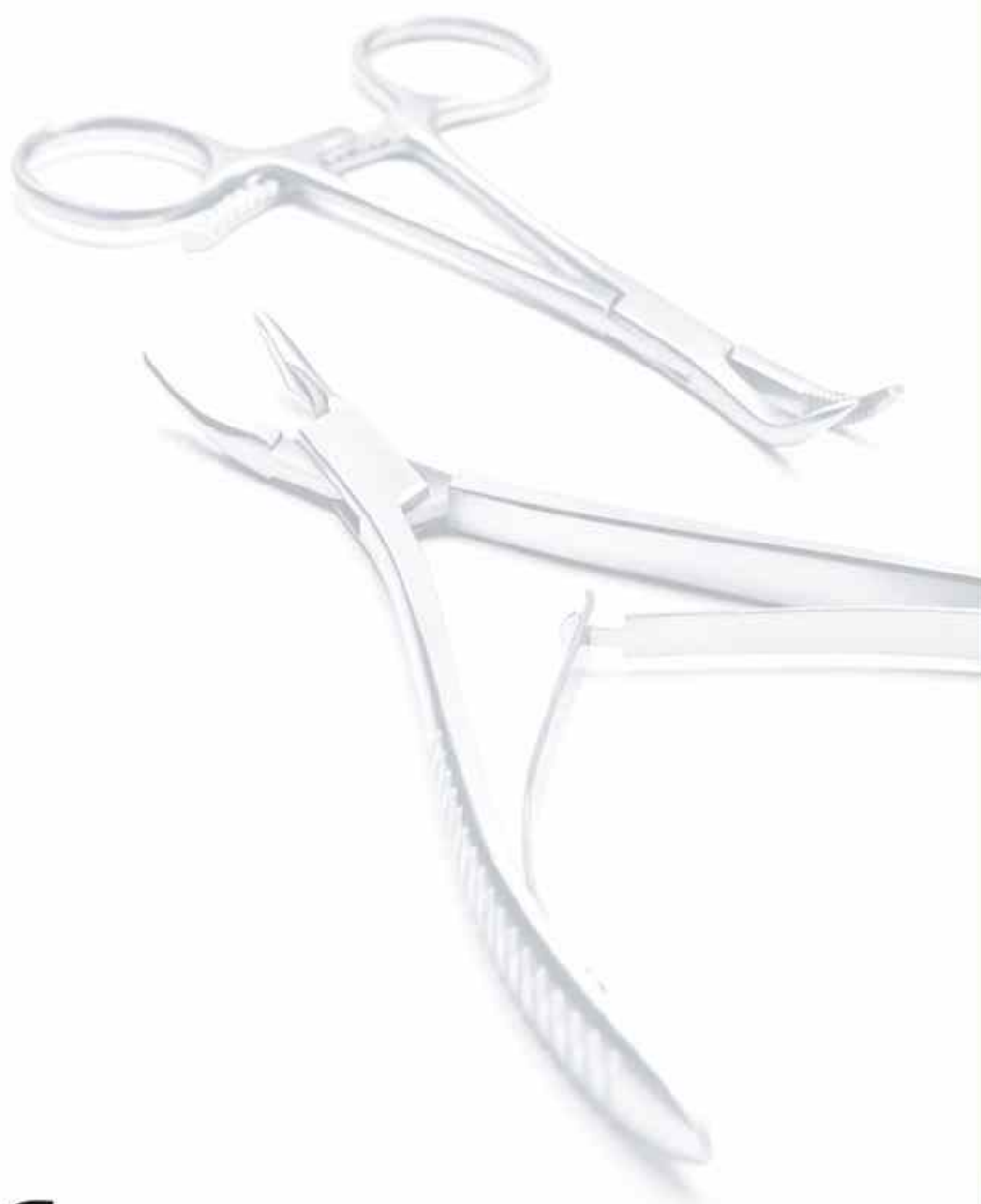


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