

PENTAX SURGICAL

Manufacturer of all kind of Orthopedic Instruments

2026-2030
CATALOGUE | EDITION

PENTAX SURGICAL | CATALOGUE



A photograph of a modern, multi-story building with a light-colored facade and many windows. The building has a sign that reads "PENTAX SURGICAL" on its side. A street lamp is visible in the foreground on the right. The image is partially obscured by a large white semi-circle at the bottom, which contains the main text of the page.

About Us!

ABOUT US

WELCOME TO PENTAX SURGICAL

Established in 2008, PENTAX SURGICAL is on a mission to redefine the industry by proving that quality doesn't have to be sacrificed for competitiveness. Our commitment revolves around producing high-quality instruments at prices that keep you smiling. From our humble beginnings as a family-run veriure, we've evolved into a significant player in the market.

Our mission is clear to instill confidence in our clients by delivering Instruments of the highest quality at prices that make sense. We understand that the key to succes lies in customer satisfaction and loyalty, which forms the core of our vision. As we grow, our focus reamins on fostering strong relationships with our customers

At PENTAX SURGICAL, we firmly believe that quality is never accidental, it's the outcome of thoughtful and intelligent effort Each instrument we produce reflects this commitment to excellence, ensuring you receive products that exceed expectations. Join us on our journey as we continue to set new standards in quality and customer satisfaction.

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13

For 13-100-35



Spare saw blade
13-100-12 12 mm
13-100-15 15 mm
13-100-18 18 mm

blade width



1/4
Charriere
13-100-35
35 cm



1/3
Langenbeck
13-110-23
23 cm



1/4
Charriere
13-112-27
27 cm



1/4
Satterlee
13-114-31
31 cm



13-120-14
14 cm



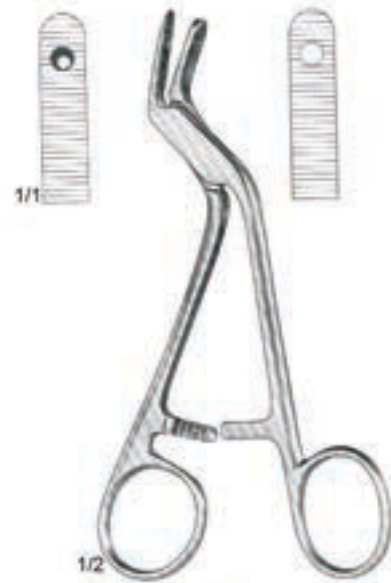
Perthes
13-122-18
18 cm



Perthes
13-124-21
21 cm



13-126-14
14 cm



Adson
13-129-15
15 cm



13-140-01
22.5 cm
Ø 4 mm

5 mm



13-140-02



13-140-03



13-140-04



13-140-05

4 mm



13-140-06

3 mm



13-140-07



13-140-08



13-140-09

3 x 4 mm



13-140-10

Ø 3 mm



13-140-11

Handle only



13-142-00
12.5 cm

13-142-01

13-142-02

13-142-03

13-142-04

13-142-05

13-142-06

13-142-07

13-142-08

13-142-09

13-142-10

13-142-11

13-142-12

Ø 3 mm

Ø 7 mm

3 mm

5 mm

7 mm

2.5 mm

3.5 mm

13-142-13

13-142-14

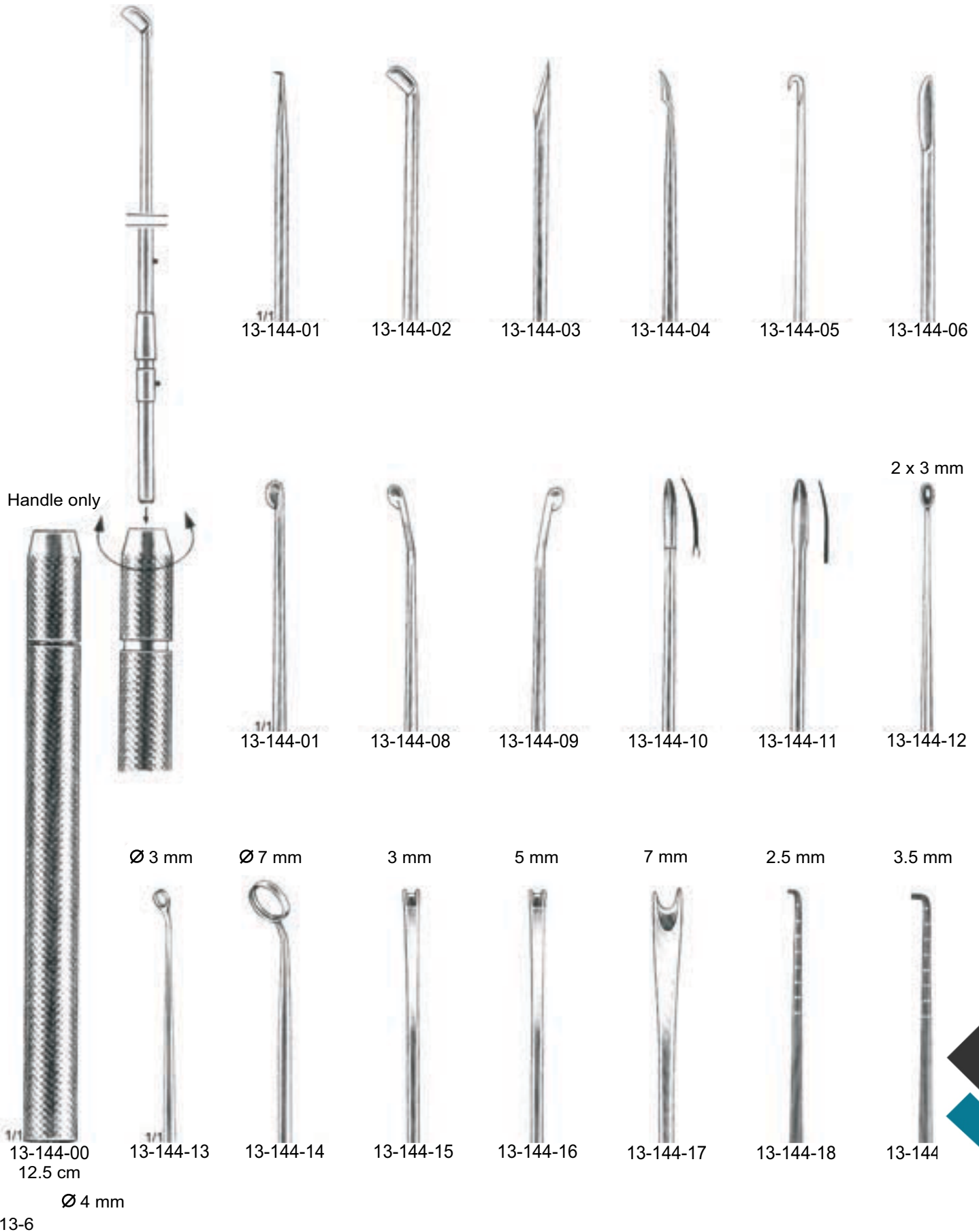
13-142-15

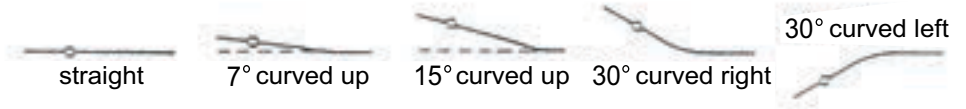
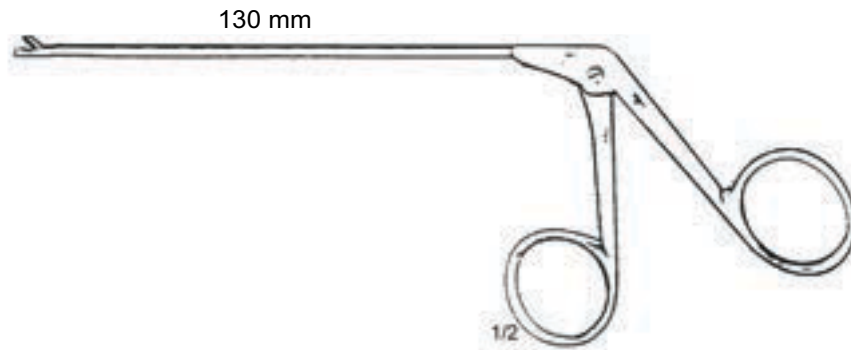
13-142-16

13-142-17

13-142-18

13-142-19





Ø 2.7 mm	13-150-10	13-150-11	13-150-13	13-150-15	13-150-17
Ø 3.4 mm	13-151-10	13-151-11	13-151-13	13-151-15	13-151-17
Ø 4.5 mm	13-152-10	13-152-11	13-152-13	13-152-15	13-152-17



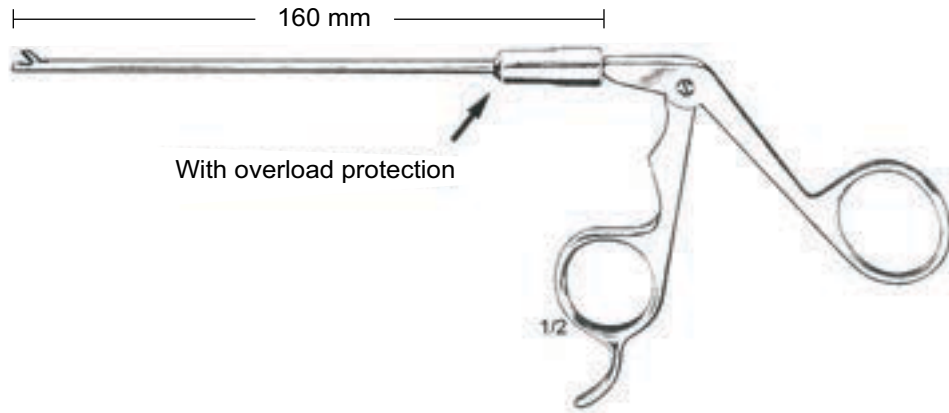
Ø 2.7 mm	13-153-10	13-153-11	13-153-13	13-153-15	13-153-17
Ø 3.4 mm	13-154-10	13-154-11	13-154-13	13-154-15	13-154-17
Ø 4.5 mm	13-155-10	13-155-11	13-155-13	13-155-15	13-155-17



Ø 3.4 mm	13-156-10	13-156-11	13-156-13	13-156-15	13-156-17
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Ø 3.4 mm	13-157-10	13-157-11	13-157-13	13-157-15	13-157-17
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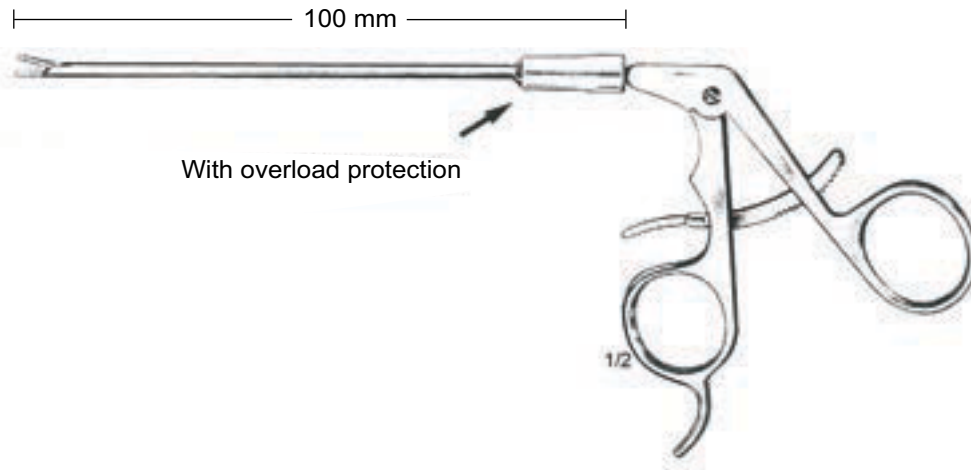


		straight	7° curved up	15° curved up	30° curved right	30° curved left
	Ø 2.7 mm	13-158-10	13-158-11	13-158-13	13-158-15	13-158-17
	Ø 3.4 mm	13-159-10	13-159-11	13-159-13	13-159-15	13-159-17
	Ø 4.5 mm	13-160-10	13-160-11	13-160-13	13-160-15	13-160-17

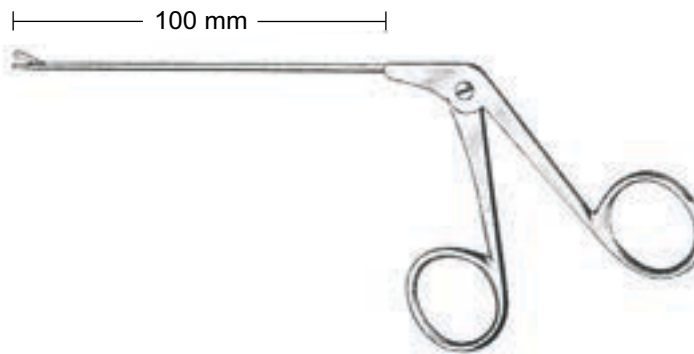
	Ø 2.7 mm	13-161-10	13-161-11	13-161-13	13-161-15	13-161-17
	Ø 3.4 mm	13-162-10	13-162-11	13-162-13	13-162-15	13-162-17
	Ø 4.5 mm	13-163-10	13-163-11	13-163-13	13-163-15	13-163-17

	Ø 3.4 mm	13-164-10	13-164-11	13-164-13	13-164-15	13-164-17
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	Ø 3.4 mm	13-165-10	13-165-11	13-165-13	13-165-15	13-165-17
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	straight	7° curved up	15° curved up	30° curved right	30° curved left
Ø 3.4 mm	13-170-10	13-170-11	13-170-13	13-170-15	13-170-17



Ø 2 mm	13-175-10



Ø 2 mm	13-175-20



Ø 2 mm	13-175-30



Ø 2 mm	13-175-40



13-177-12
12 cm



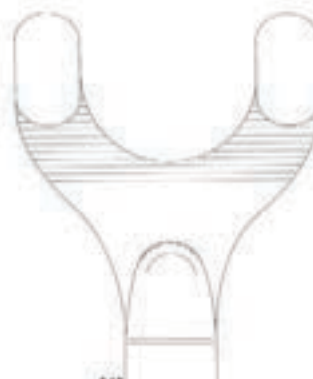
13-177-18
18 cm



13-177-20
20 cm



Gerster - Lowman
13-177-12 - 13-177-22



13-177-22
22 cm



Gerster
13-178-09
9 cm



Lowman - Baby
13-178-18
18 cm



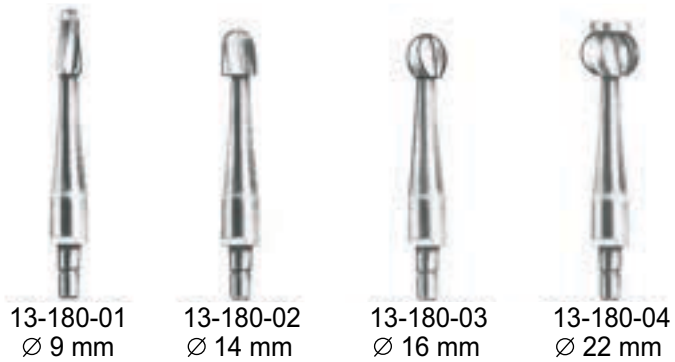
Lowman - Hoglund
13-178-18 18 cm
13-178-20 20 cm
13-178-22 22 cm



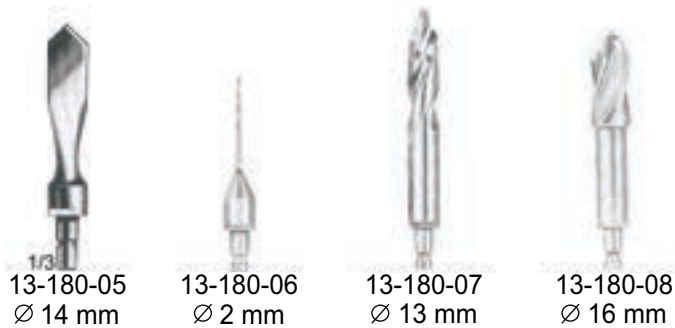
Bunnell - Howard
13-179-15
15 cm



Lambert - Lowman
13-179-18 18 cm
13-179-20 20 cm
13-179-22 22 cm



Burrs



Burrs

13-181-00 (Complete Set)
13-181-01 (Brace, Extension With 4 Burrs)



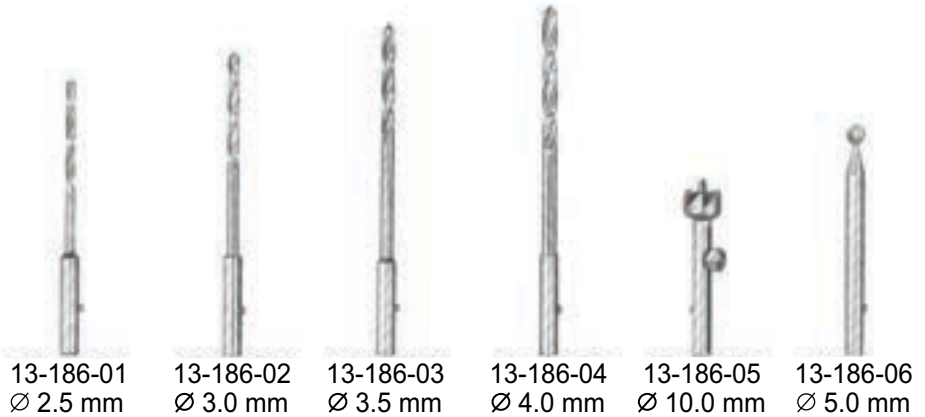
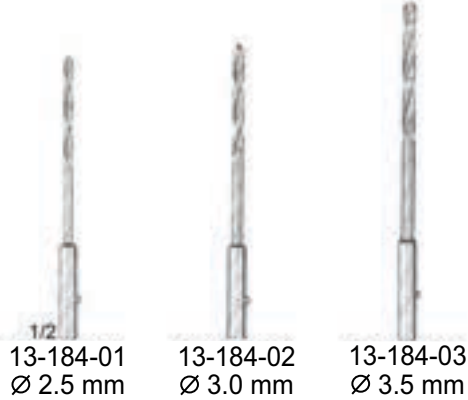
Ralk
13-182-00



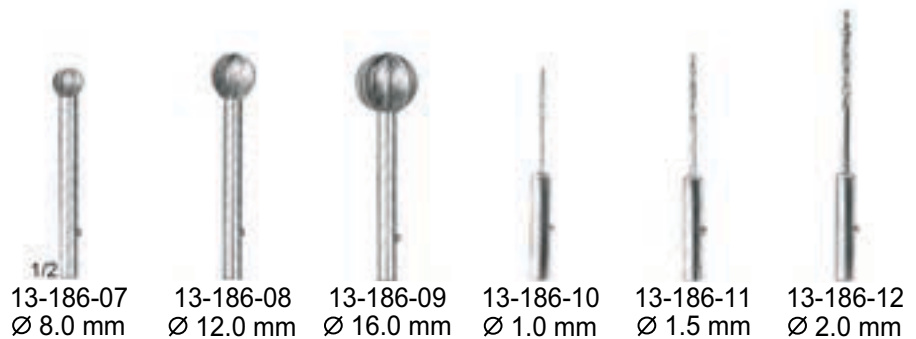
Bunnel
13-182-10

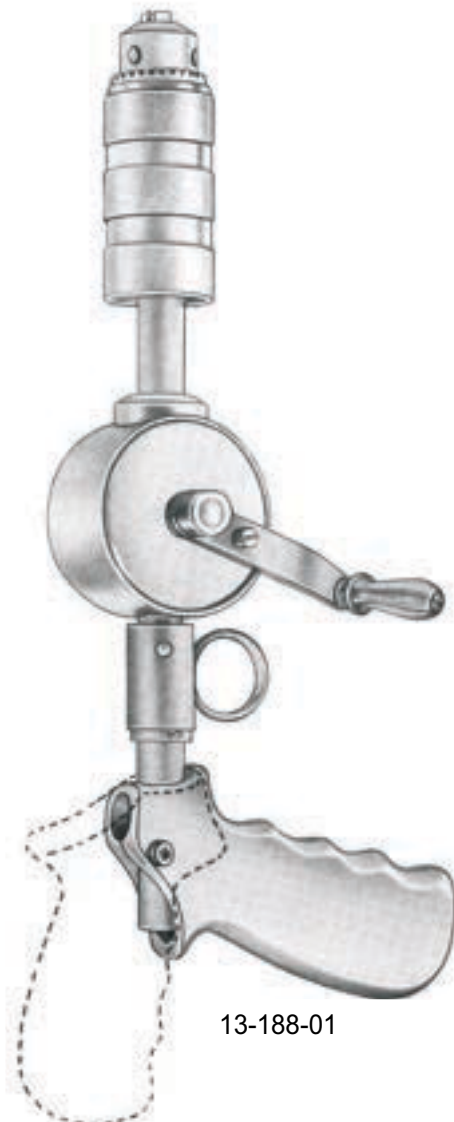


Stille - Sherman
13-184-24
24 cm

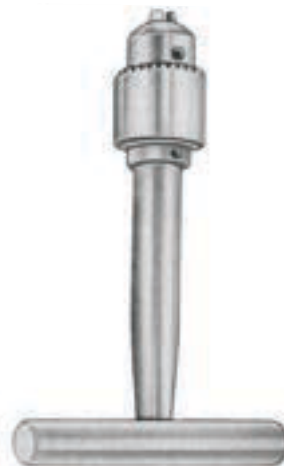


Stille
13-186-20
20 cm

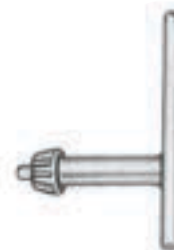




Handle with chuck



L-Key





13-190-01 - 13-190-02

13-190-11 - 13-190-12







13-198-15
15 cm



13-200-17
17 cm



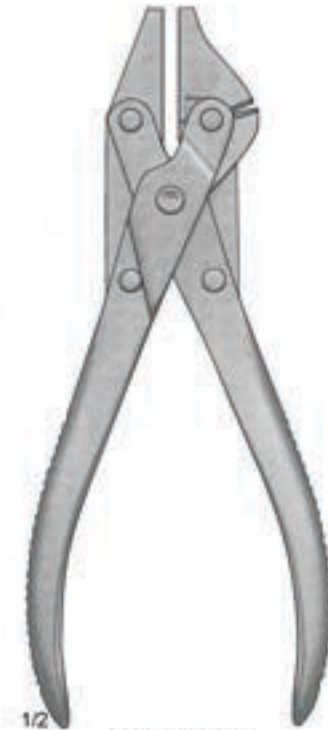
Baumgartner
13-202-20
20 cm

Parallel grip



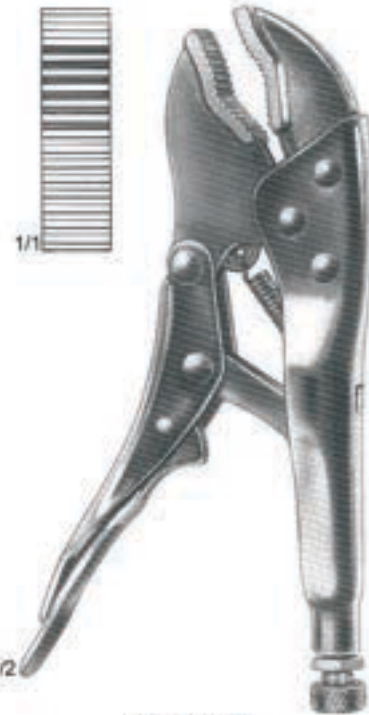
1/2

13-203-17
17 cm



1/2

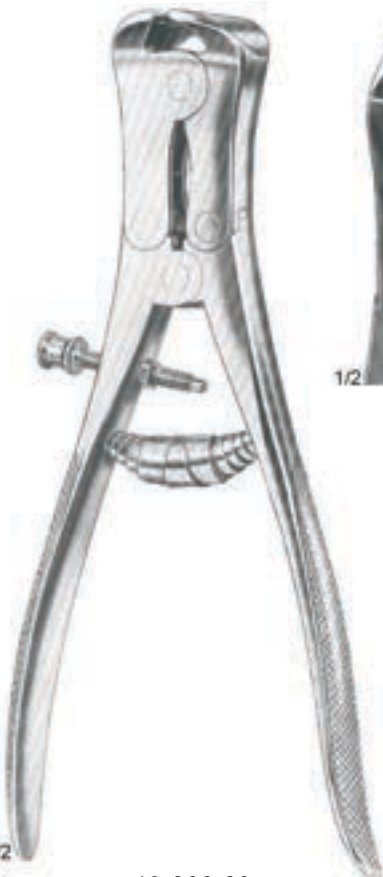
13-204-18
18 cm



1/1

1/2

13-205-18
18 cm



1/2

13-206-23
23 cm



1/2

13-206-25
25 cm

for bending and cutting



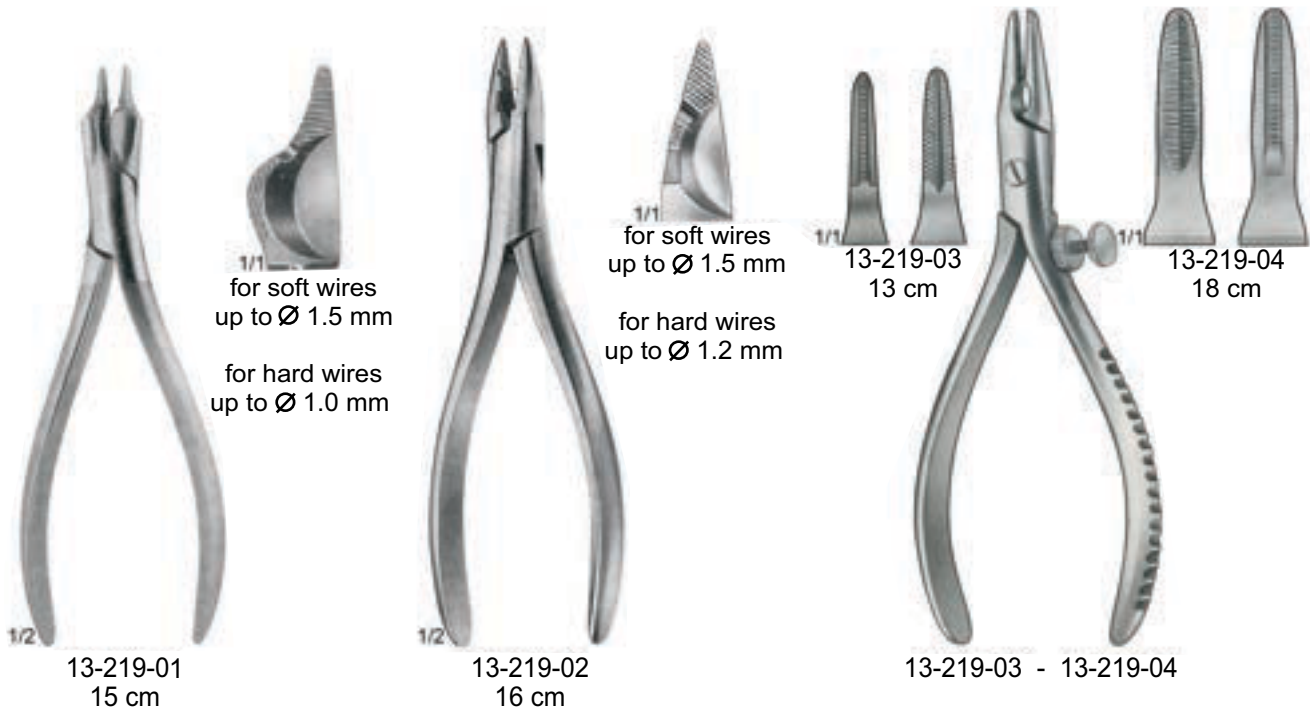
1/2

Universal
13-208-15
15 cm



1/1





with longitudinal groove

with crosswise groove

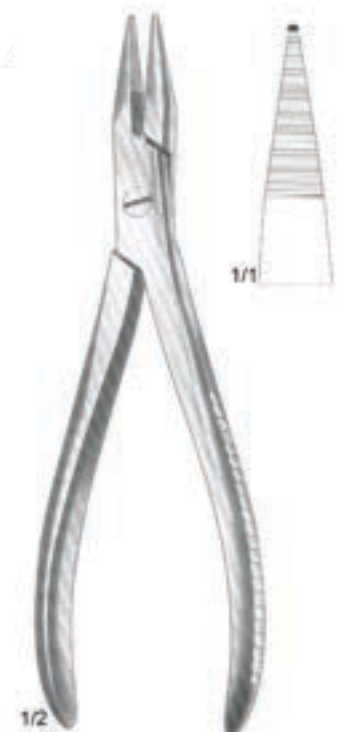
pointed



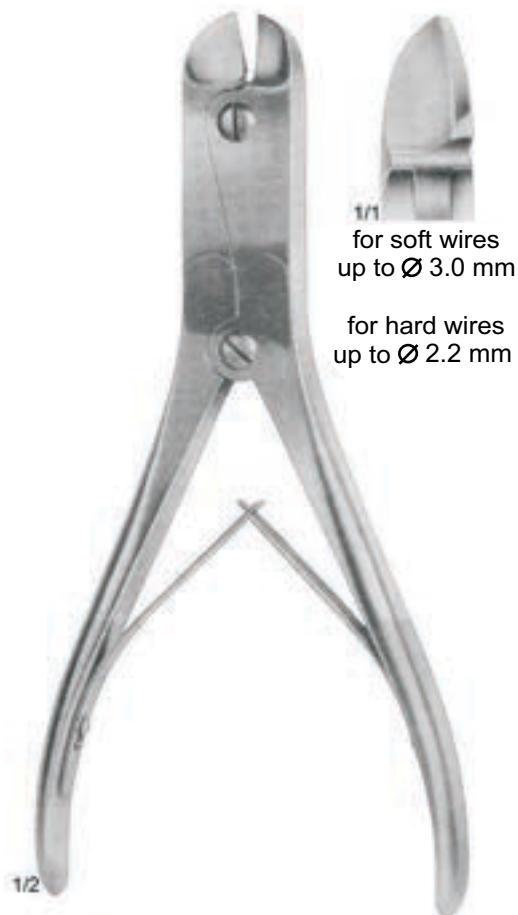
Hackstock
13-220-16
16 cm



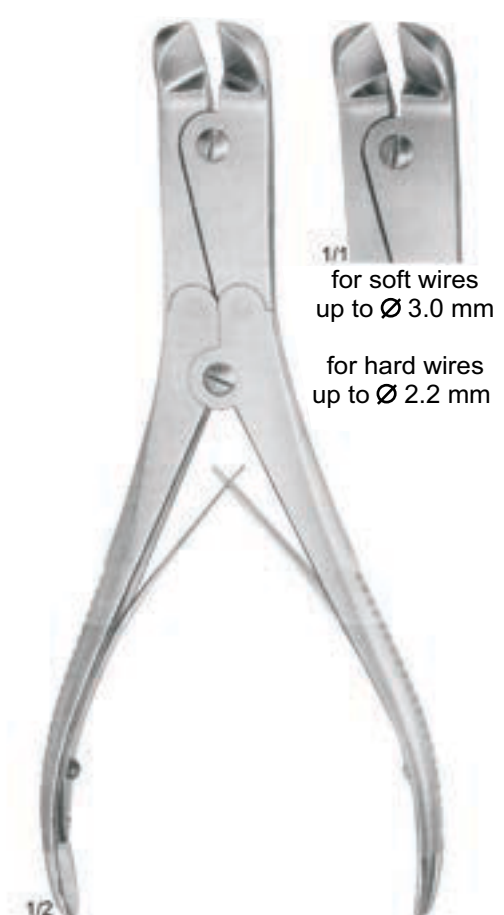
13-221-01 - 13-221-02
17 cm



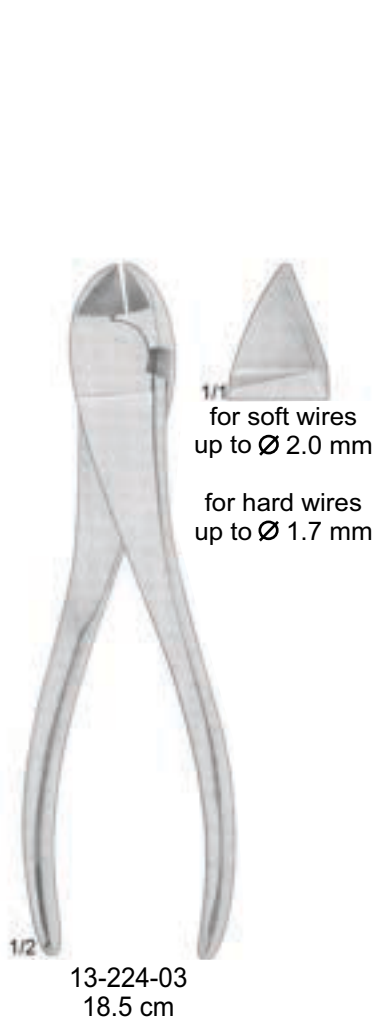
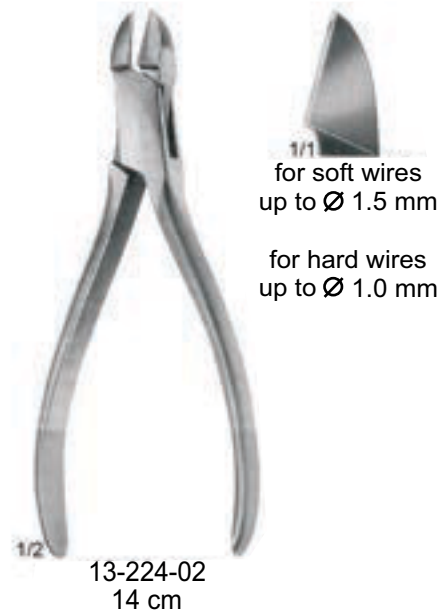
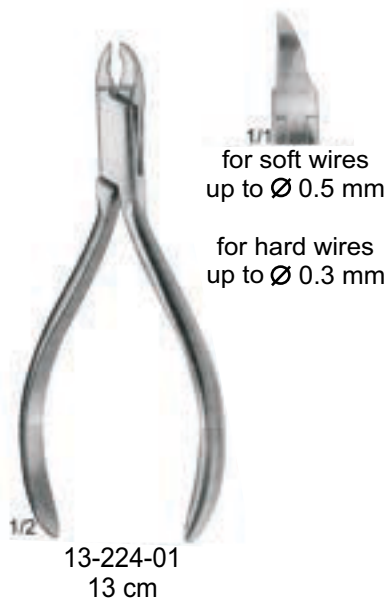
13-221-03
19 cm



Harvey
13-222-23
23.5 cm



Harvey
13-223-23
23.5 cm





for soft wires
up to Ø 2.4 mm

for hard wires
up to Ø 1.8 mm

13-230-16
16 cm



for soft wires
up to Ø 2.2 mm

for hard wires
up to Ø 2.0 mm

Martin - Diamant
13-232-16
16 cm




1/1
for soft wires
up to Ø 1.5 mm

for hard wires
up to Ø 1.0 mm

13-233-14
14.5 cm



for soft wires
up to Ø 2.0 mm

for hard wires
up to Ø 1.2 mm

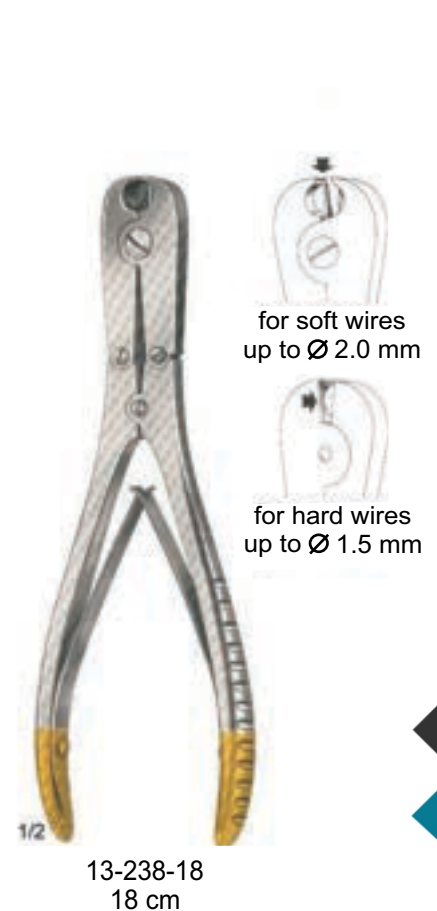
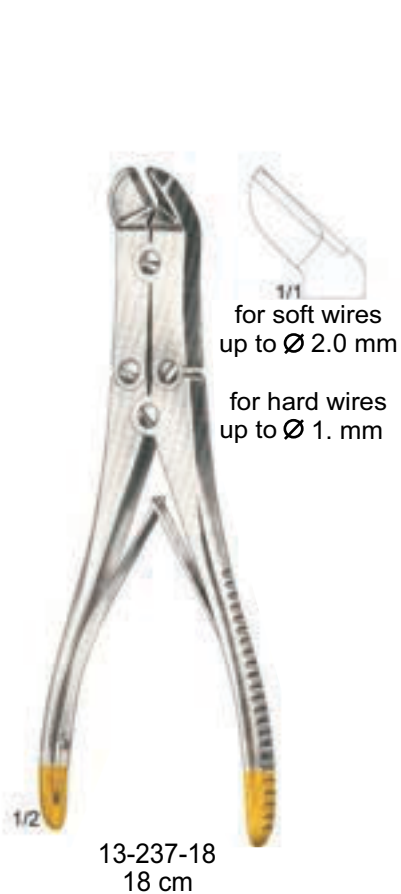
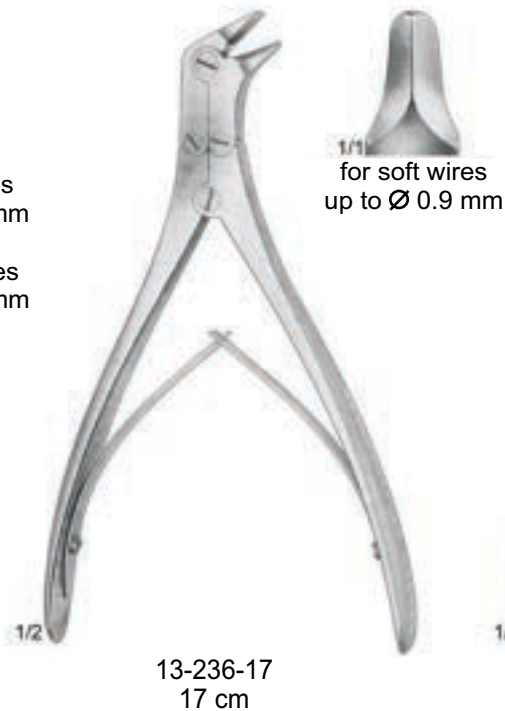
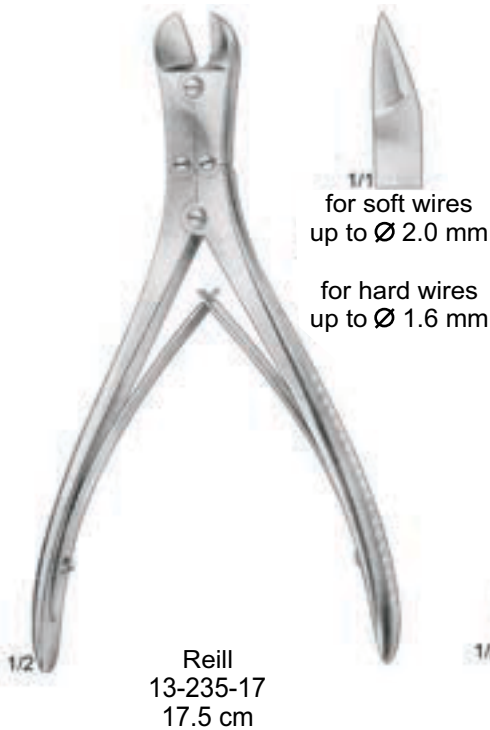
13-234-15
15 cm

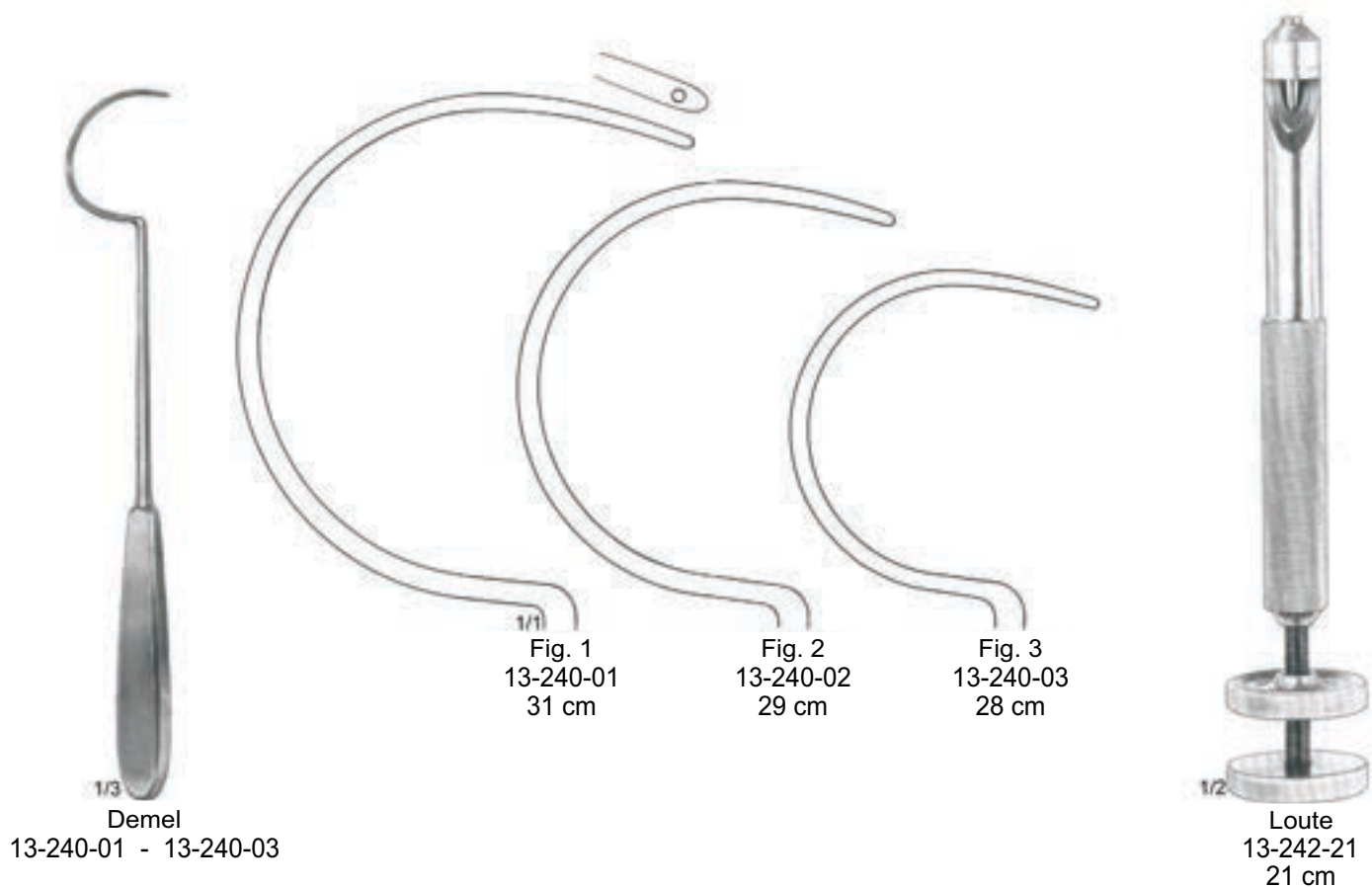


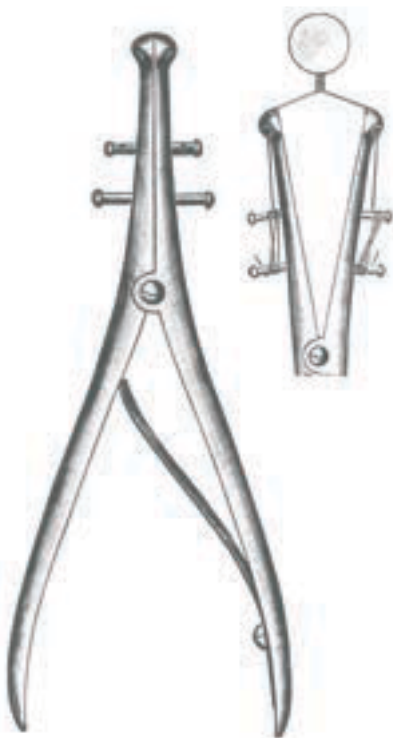

1/1
for soft wires
up to Ø 3.5 mm

for hard wires
up to Ø 2.5 mm

13-234-22
22 cm







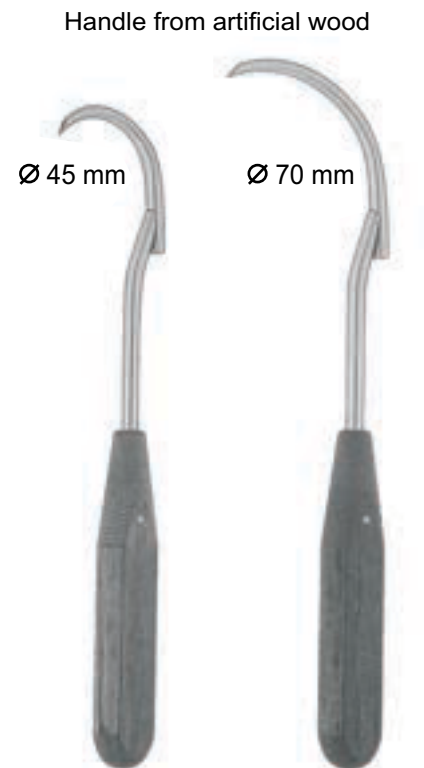
Demel
13-244-28
28 cm



Parham
13-246-23
23 cm



Parham
13-246-22
22 cm



13-248-45

13-248-70



Trocar tip

13-250-14	140 mm
13-250-16	160 mm
13-250-18	180 mm
13-250-20	200 mm

Steinmann
13-250-14 - 13-250-20
Ø 4 mm



13-252-16



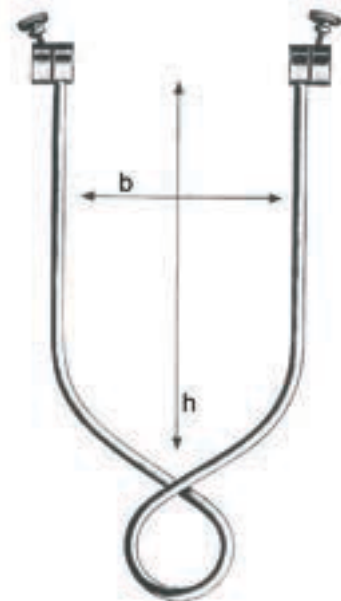
13-252-19



13-252-22

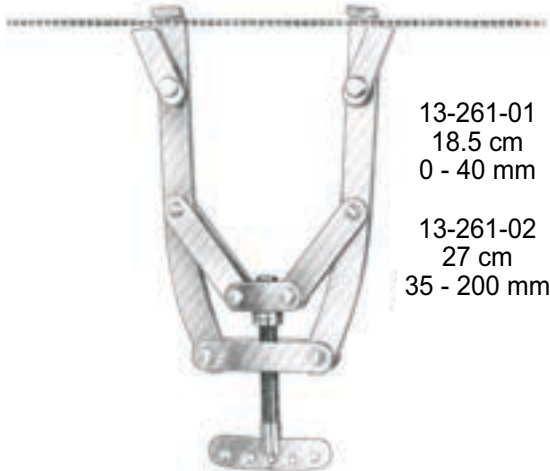
cm
h x b

16 x 9	13-255-16	for arm
21 x 11	13-255-21	for thigh and knee
21 x 15	13-255-15	for femur and knee



Bohler
13-255-15 - 13-255-21

with 3 traction hooks



13-261-01
18.5 cm
0 - 40 mm

small pattern

13-261-02
27 cm
35 - 200 mm

large pattern

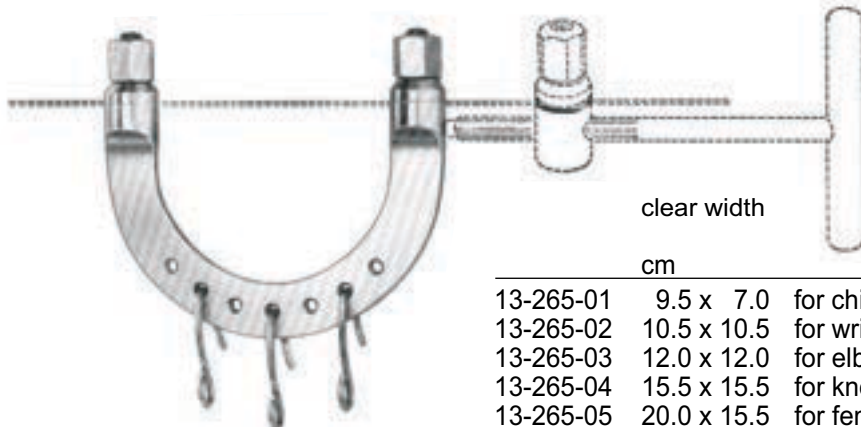
Kirschner

13-261-01 - 13-261-02



13-263-18 18 x 10 cm
13-263-27 27 x 16 cm

with 3 traction hooks



clear width

cm

13-265-01	9.5 x 7.0	for children
13-265-02	10.5 x 10.5	for wrist & ankle
13-265-03	12.0 x 12.0	for elbow
13-265-04	15.5 x 15.5	for knee
13-265-05	20.0 x 15.5	for femur
13-266-01	6.0 x 5.0	
13-266-02	9.5 x 11.0	
13-266-03	13.5 x 13.0	

Kirschner

13-265-01 - 13-266-03

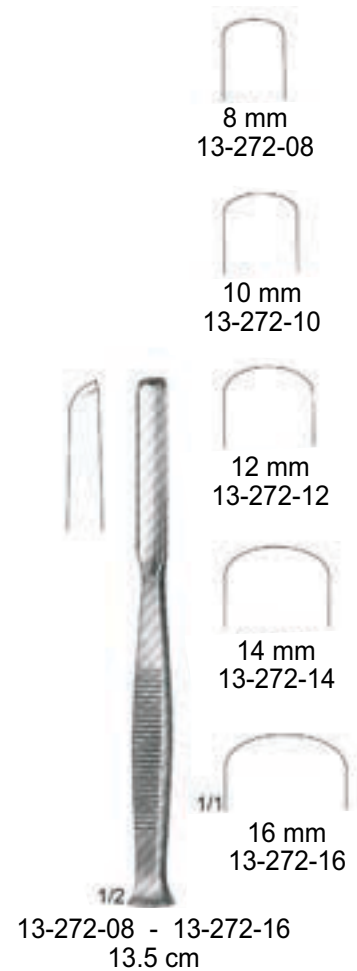
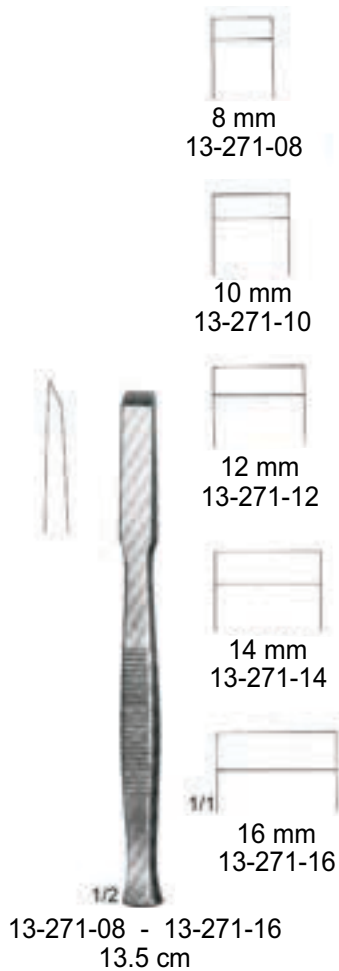
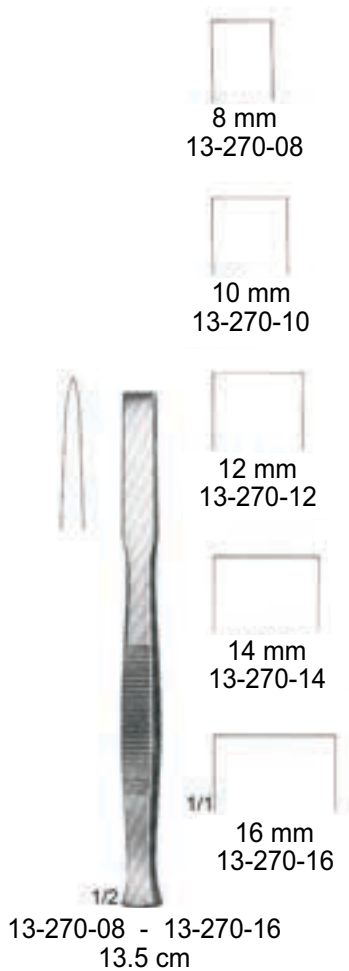
for extension bow

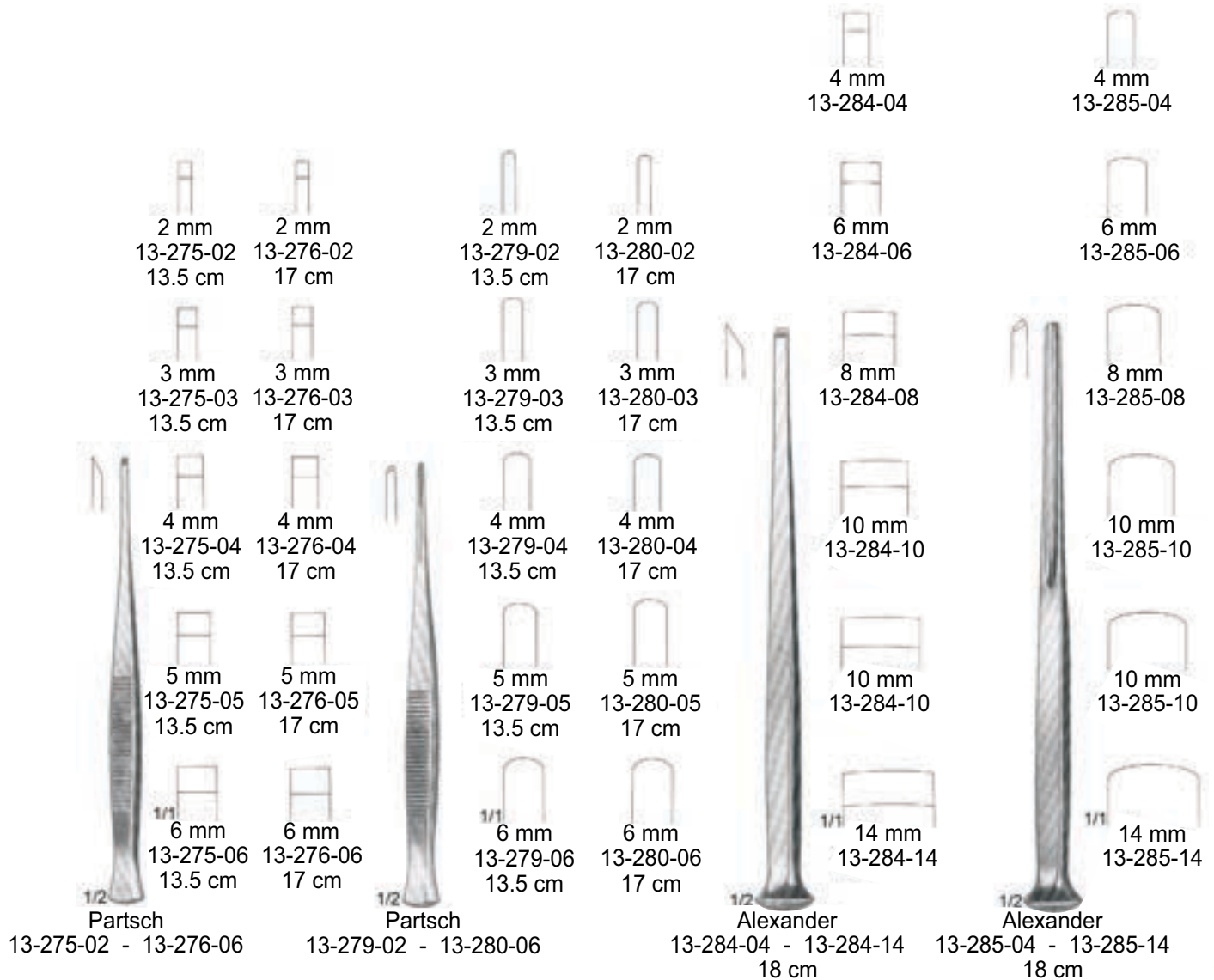


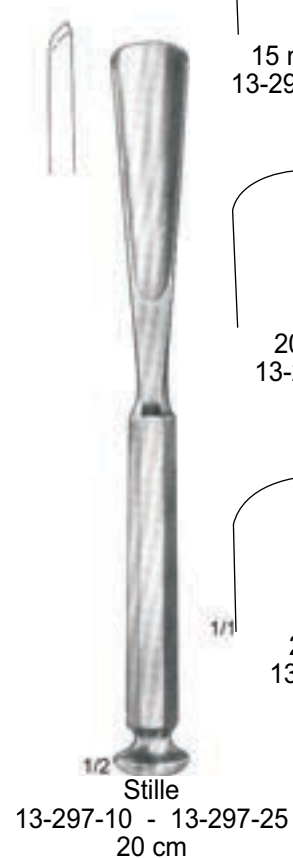
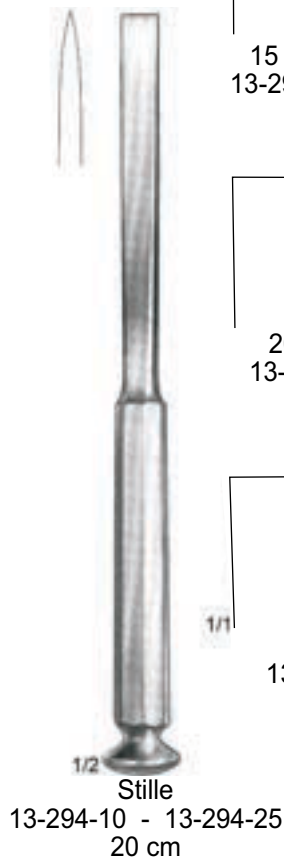
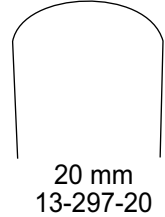
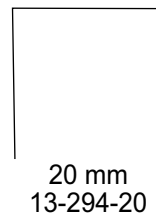
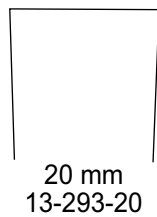
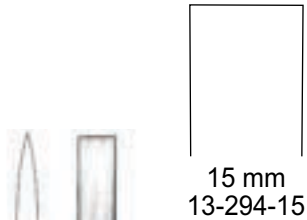
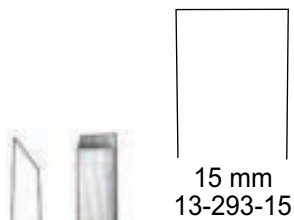
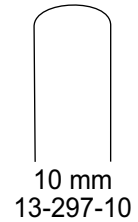
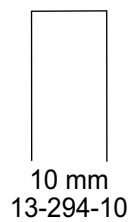
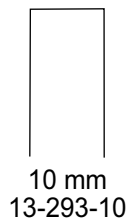
Traction Hook
13-267-03

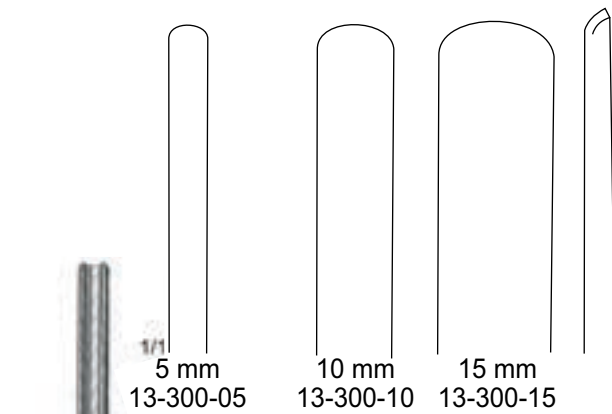


Traction Hook
13-267-06



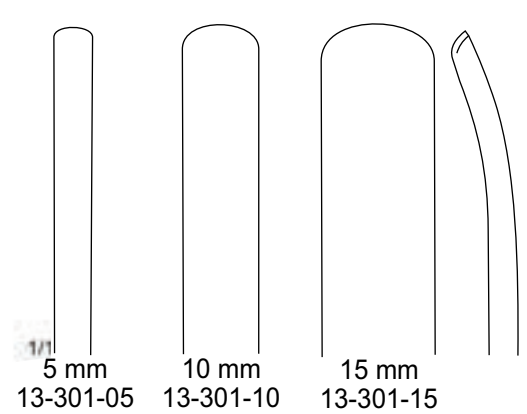






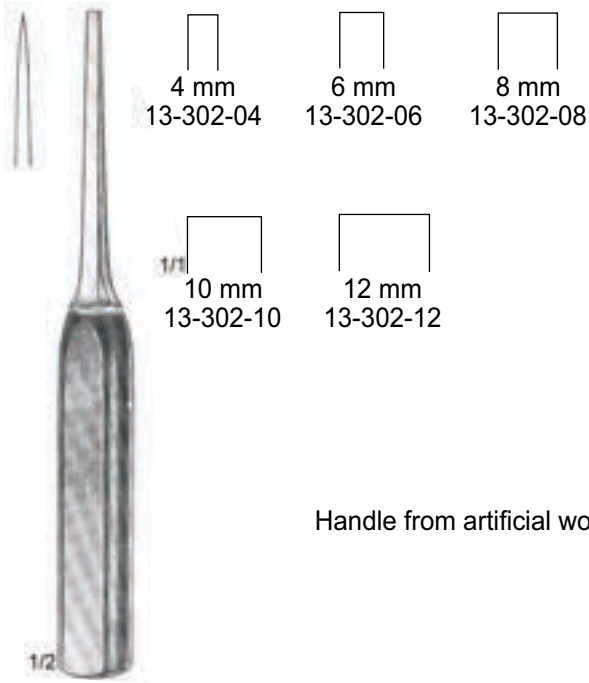
Lexer
13-300-05 - 13-300-15
25 cm

Handle from artificial wood

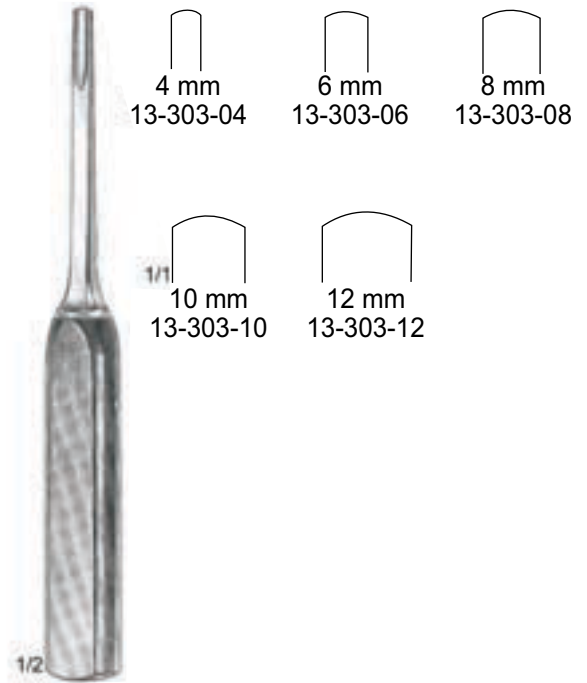


Lexer
13-301-05 - 13-301-15
25 cm

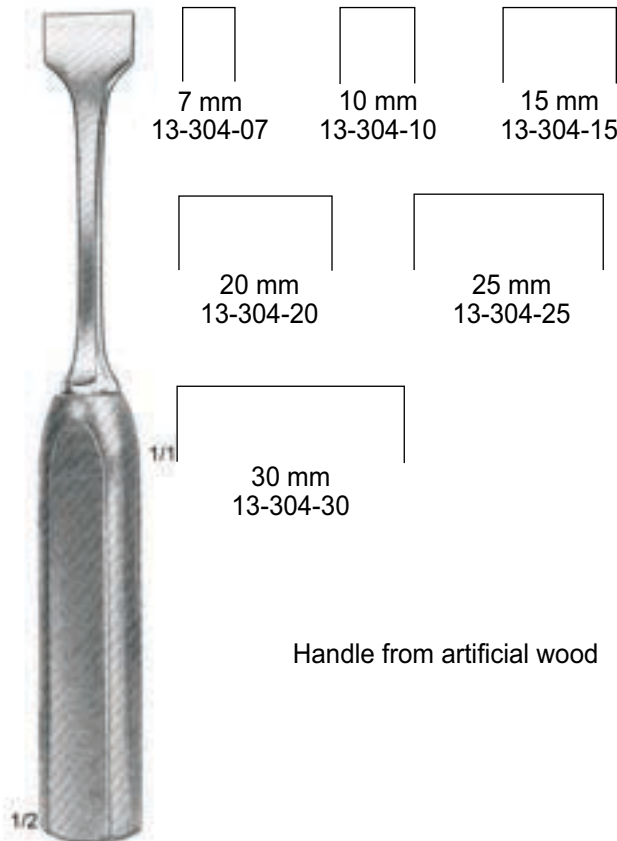
Handle from artificial wood



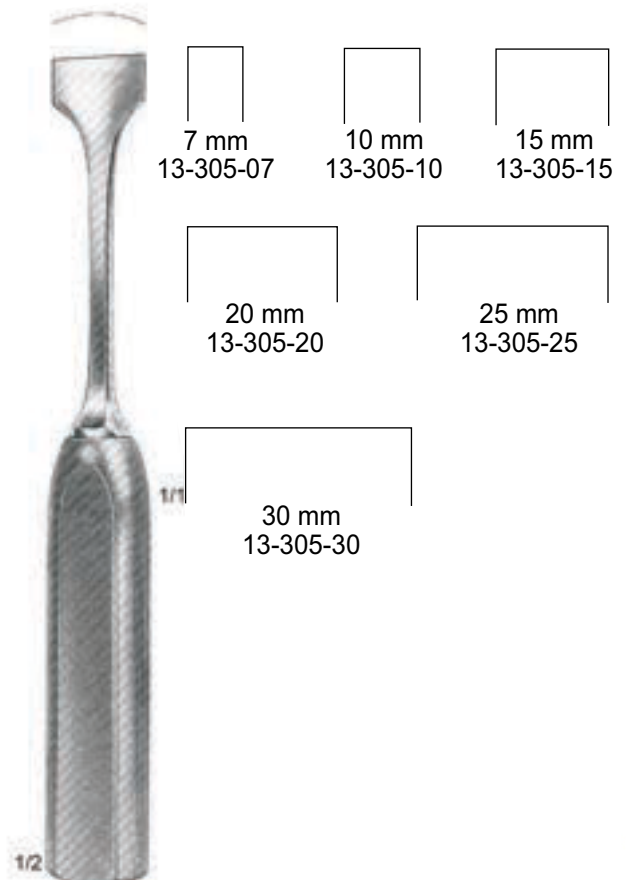
Mini - Lexer
13-302-04 - 13-302-12
18 cm



Mini - Lexer
13-303-04 - 13-303-12
18 cm



Lexer
13-304-07 - 13-304-30
22 cm



Lexer
13-305-07 - 13-305-30
22 cm



Lexer
27.5 cm

10 mm 13-306-10
 15 mm 13-306-15

Handle from artificial wood



Lexer
27.5 cm

13-307-10
 13-307-15

Handle of artificial wood



Cobb
13-310-01
28 cm



Cobb
13-310-02
28 cm



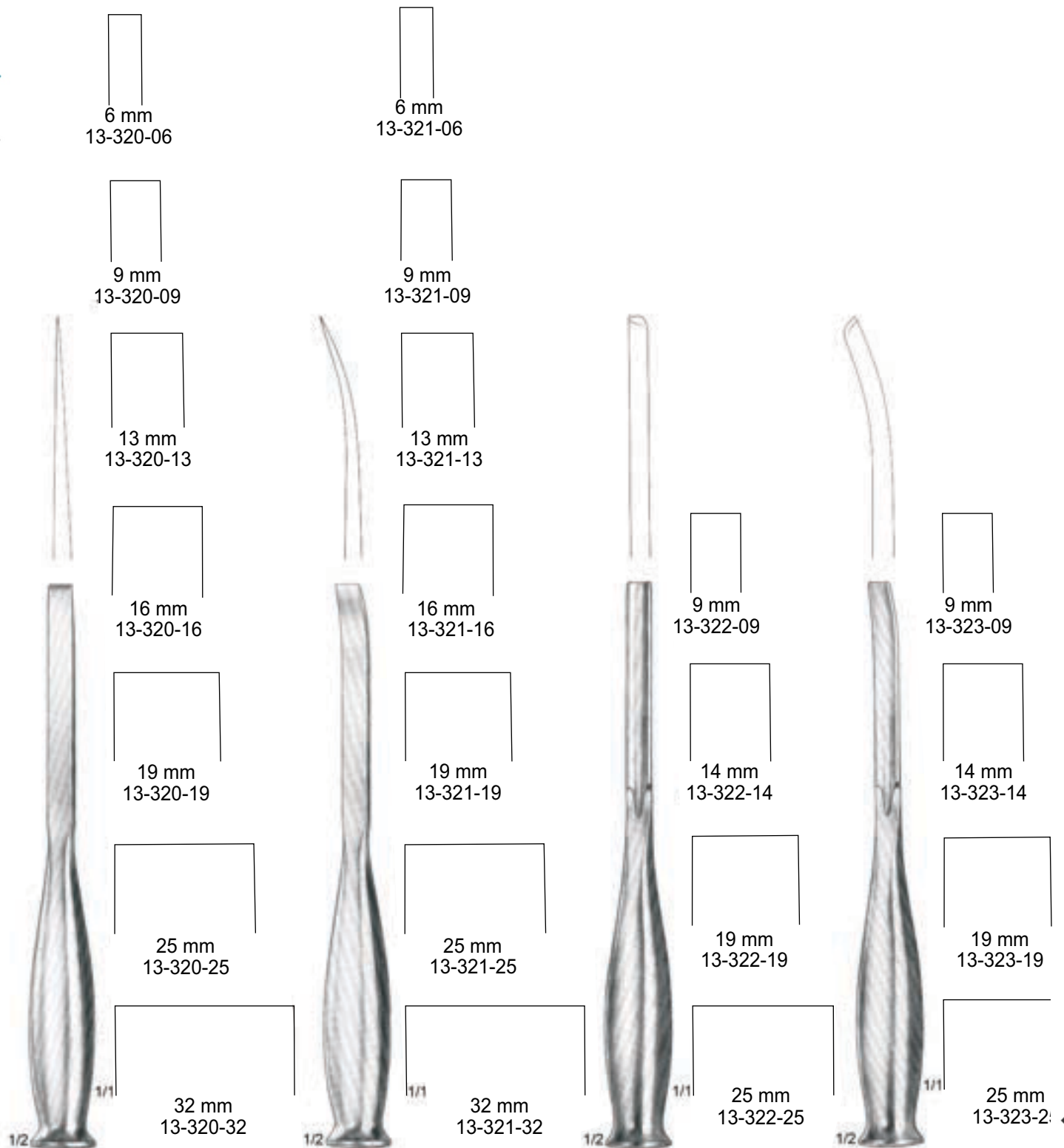
Cobb
13-310-03
28 cm



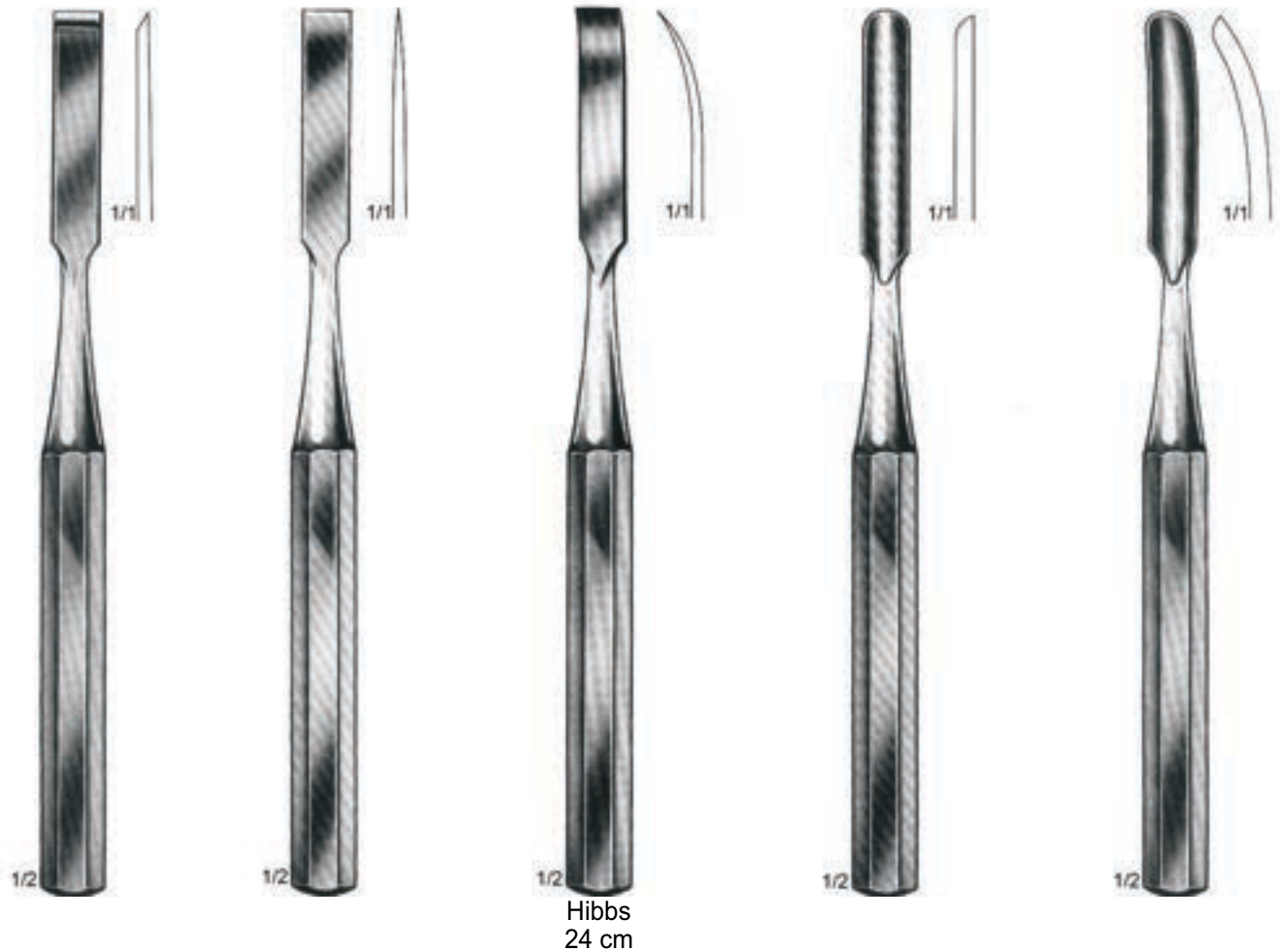
Cobb
13-310-04
28 cm

Handle from artificial wood





Smith - Petersen
13-320-06 - 13-323-25
20 cm



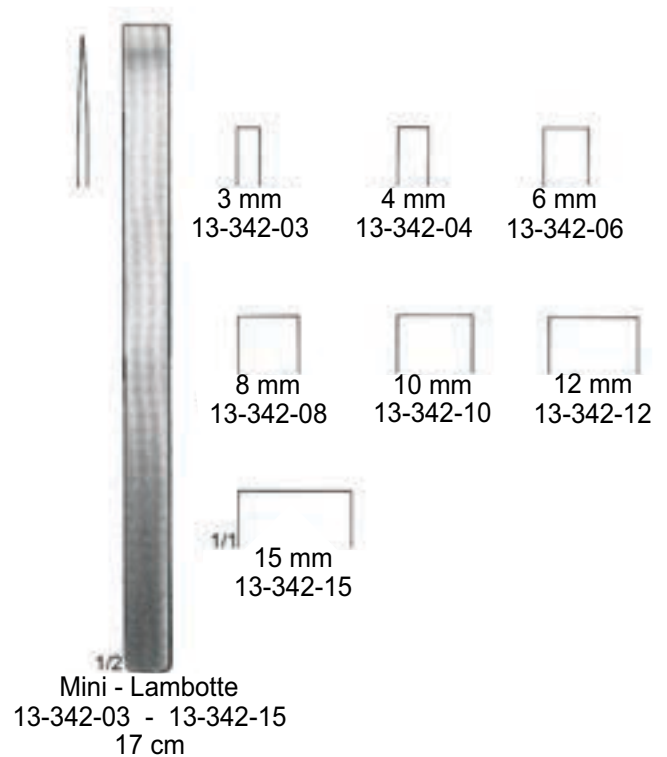
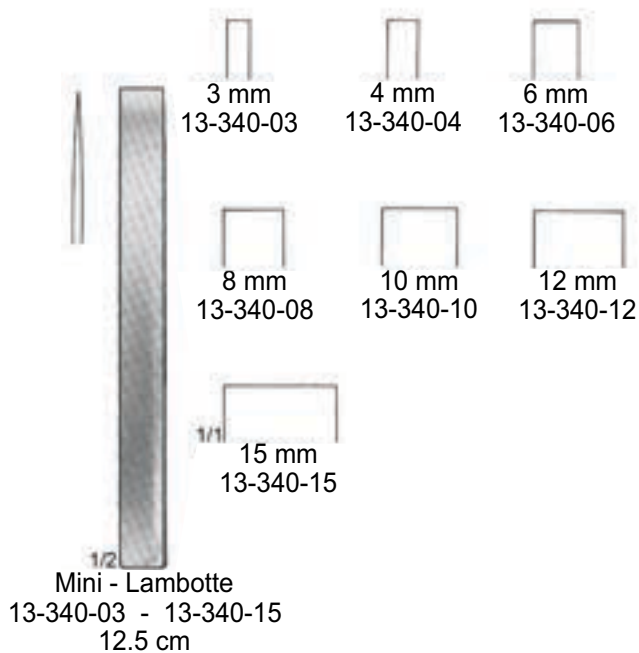
06 mm 13-333-06
13 mm 13-333-13
19 mm 13-333-19
25 mm 13-333-25
32 mm 13-333-32

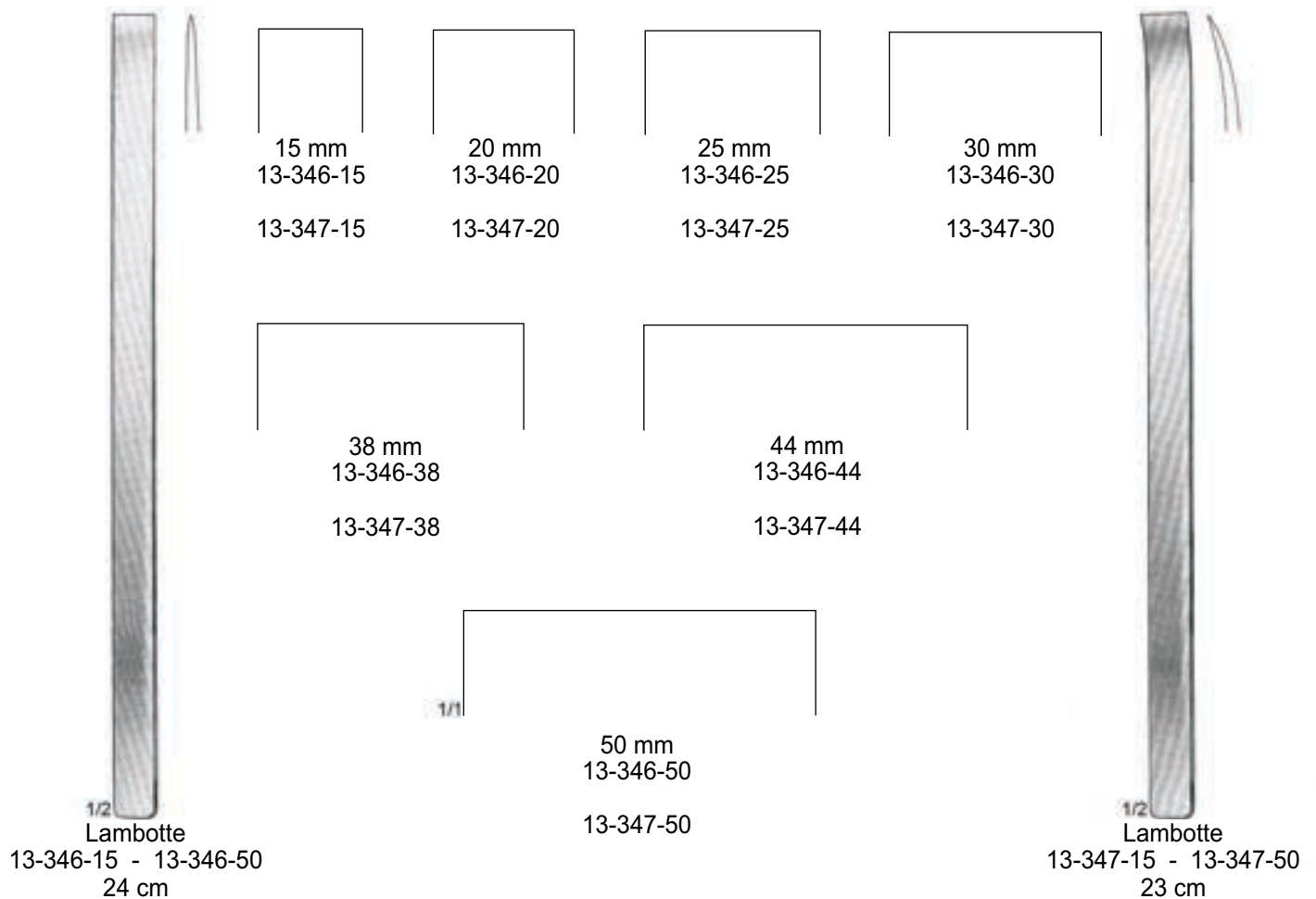
13-334-06
13-334-13
13-334-19
13-334-25
13-334-32

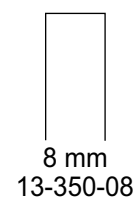
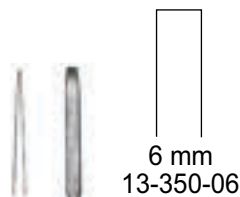
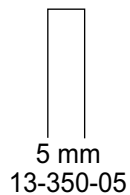
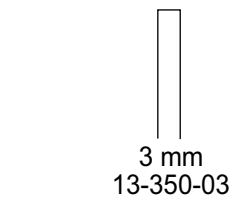
13-335-06
13-335-13
13-335-19
13-335-25
13-335-32

13-336-06
13-336-13
13-336-19
13-336-25
13-336-32

13-337-06
13-337-13
13-337-19
13-337-25
13-337-32



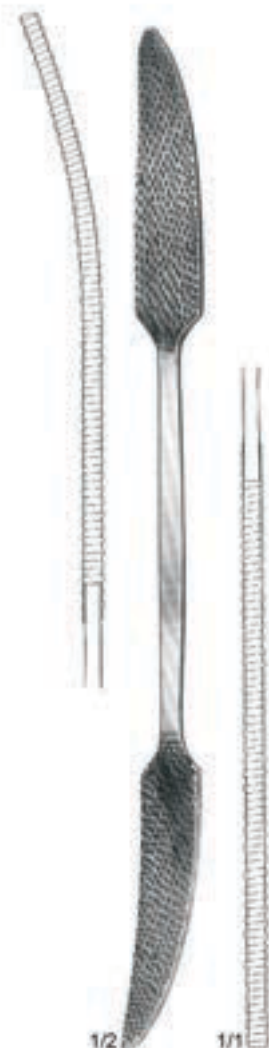




Hoke
13-350-03 - 13-350-09
17 cm



Putti
13-355-30
30 cm



Putti
13-357-27
27 cm

Lead Hand



13-360-01
Child Size

13-360-02
Adult Size

13-360-01 - 13-360-02



Feldheim
13-366-10
10 cm



Ideal
13-370-10

13-371-00 (13-371-01 + 13-371-02 + 13-371-03 + 13-370-10)



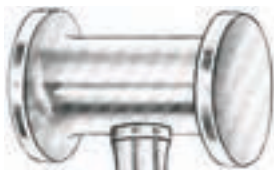
13-371-01



13-371-02



13-371-03



300 g
(10 3/4 oz.)

1/2

Bergmann
13-400-24
24 cm



300 g
(10 3/4 oz.)

1/2

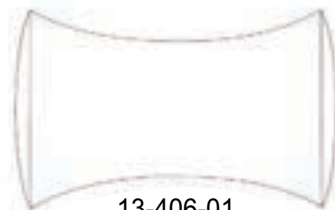
Bergmann
13-402-23
23 cm



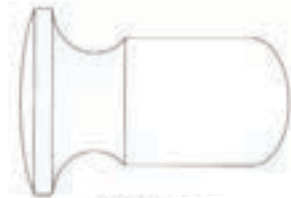
550 g
(19 1/2 oz.)

1/2

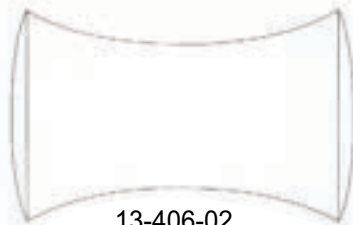
Ombredanne
13-404-24
24 cm



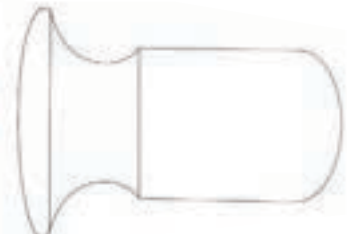
13-406-01
Ø 26 mm
300 g (10 1/2 oz.)



13-408-01
Ø 25 mm
120 g (4 1/2 oz.)



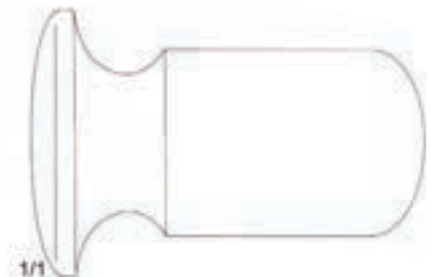
13-406-02
Ø 28 mm
340 g (12 oz.)



13-408-02
Ø 30 mm
180 g (6 1/2 oz.)



13-406-03
Ø 30 mm
400 g (14 oz.)



13-408-03
Ø 35 mm
260 g (9 oz.)



Williger

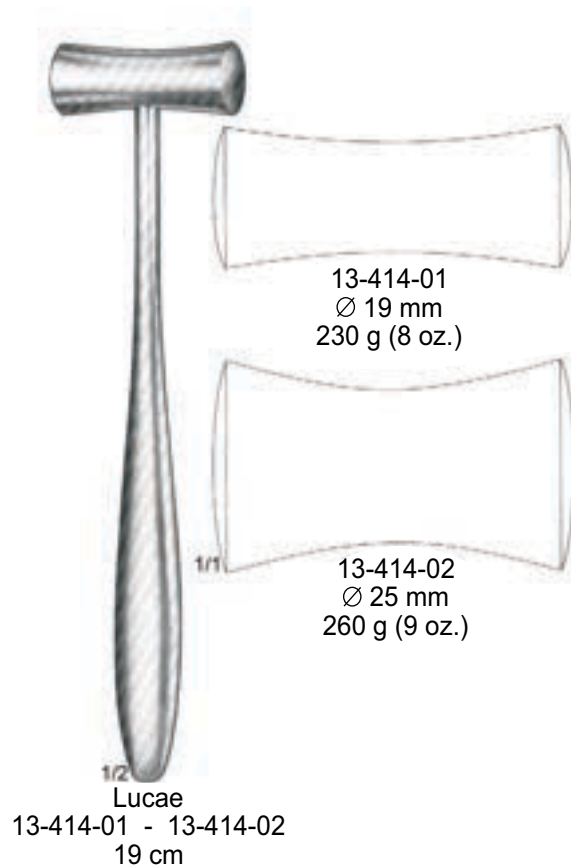
13-406-01 - 13-406-03
24 cm

(lead filled)



Doyen

13-408-01 20.5 cm
13-408-02 21.0 cm
13-408-03 21.5 cm

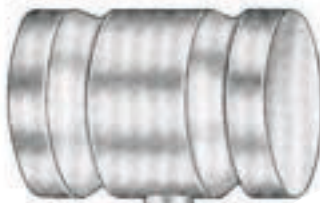




Ø 30 mm
450 g (16 oz.)

1/2

13-420-26
26.5 cm



Ø 50 mm
900 g (32 oz.)

1/2

13-422-26
26.5 cm



Ø 42 mm

Ø 30 mm
530 g (19 oz.)

1/2

13-424-24
24.0 cm



240 g (8 1/2 oz.)

1/2

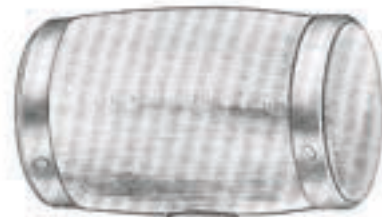
Cottle
13-430-19
19 cm



Ø 80 x 60 mm
400 g (14 1/4 oz.)

1/2

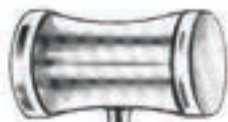
Steinbach
13-432-24
24 cm



Ø 45 mm
290 g (10 1/2 oz.)

1/2

13-434-23
23 cm



Ø 27 mm
140 g (5 oz.)



1/2
Hajek
13-440-22
22 cm



Ø 26 mm
140 g (5 oz.)



1/2
13-442-18
18 cm



Ø 20 mm
140 g (5 oz.)



1/2
Thiess
13-444-16 - 13-445-16
16.5 cm
(lead filled)
(brass, solid)



Ø 30 mm
510 g (18 oz.)

1/2

13-448-26
26 cm

with interchangeable
Ferozell faces



Ø 26 mm
320 g (11 1/4 oz.)

13-450-17
(solid)

13-451-17
(Ferozell Faces)

1/2

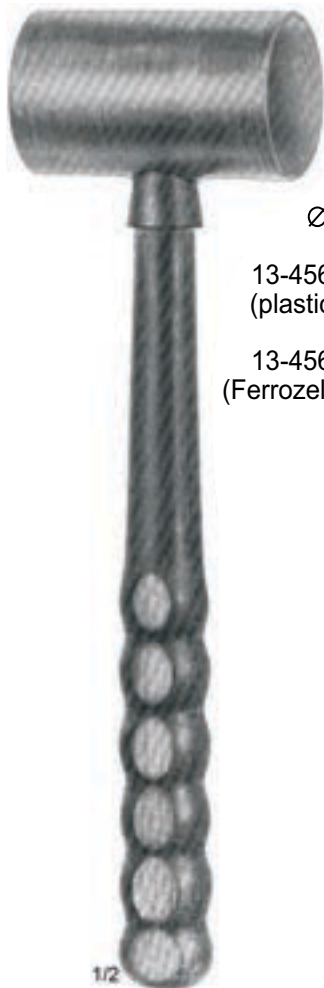
Mead
13-450-17 - 13-451-17
17 cm



Ø 22 mm
200 g (7 oz.)

1/2

Partsch
13-454-18
18 cm



Ø 42 mm

13-456-01 250 g
(plastic, lead filled)

13-456-02 400 g
(Ferrozell, without lead)

13-456-01 - 13-456-02
26 cm



Ø 42 mm
400 g

13-458-26
26 cm
(Ferrozell, lead filled)



Ø 30 mm
675 g

13-460-26
26 cm
(repercussion free)



13-467-00

Spare Faces, pair



Ø 42 mm
530 g (19 oz.)

Ø 30 mm

1/2

13-462-26
26 cm
(steel, solid)

(with plastic handle)



Ø 30 mm
480 g

1/2

13-464-24
24 cm
(steel, solid)

(with plastic handle)



Ø 37 mm
370 g

1/2

13-466-22
22.5 cm
(steel, solid)

(with Ferrozell faces)



Ø 30 mm
125 g (4 oz.)

1/2

13-468-18
18 cm
(Ferozell, solid)



13-470-01
26 cm
(steel, solid)



13-470-02
26 cm
(steel, solid)

with interchangeable plastic disks
pair of spare disks



Vickers
13-472-19
19 cm



Gardner
13-474-14
14 cm



Gerzog
13-476-19
19 cm



13-478-23
23 cm



13-480-01 - 13-480-04
22 cm

13-480-01 300 g
13-480-02 500 g
13-480-03 600 g
13-480-04 940 g

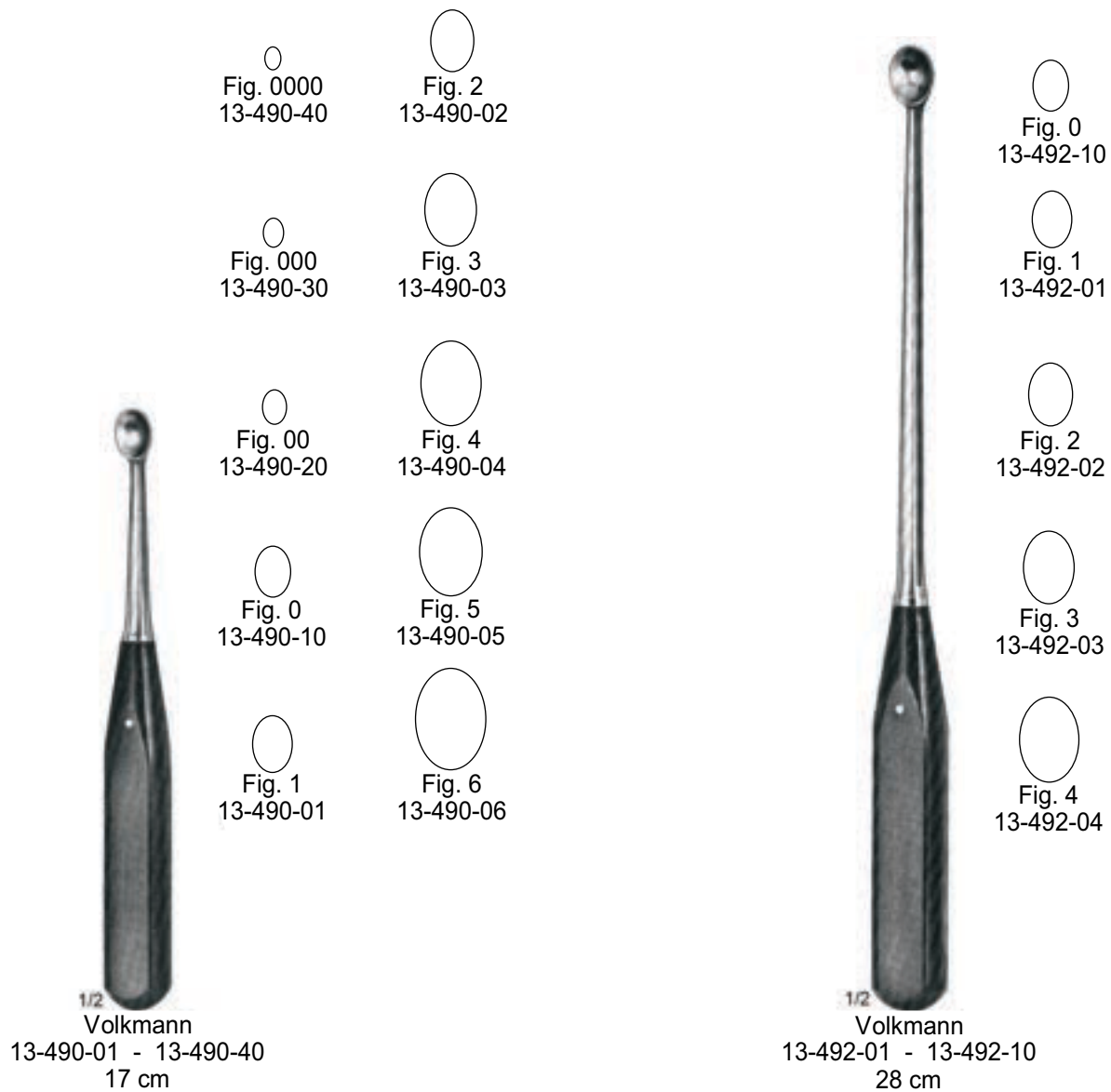


Fig. 000 13-500-30
Fig. 00 13-500-20
Fig. 0 13-500-10

Fig. 0000 13-502-40
Fig. 000 13-502-30
Fig. 00 13-502-20

Fig. 1 13-501-01
Fig. 2 13-501-02
Fig. 3 13-501-03

Fig. 0 13-502-10
Fig. 1 13-503-01
Fig. 2 13-503-02

Fig. 4
13-501-04

Fig. 3 13-503-03
Fig. 4 13-503-04
Fig. 5 13-503-05

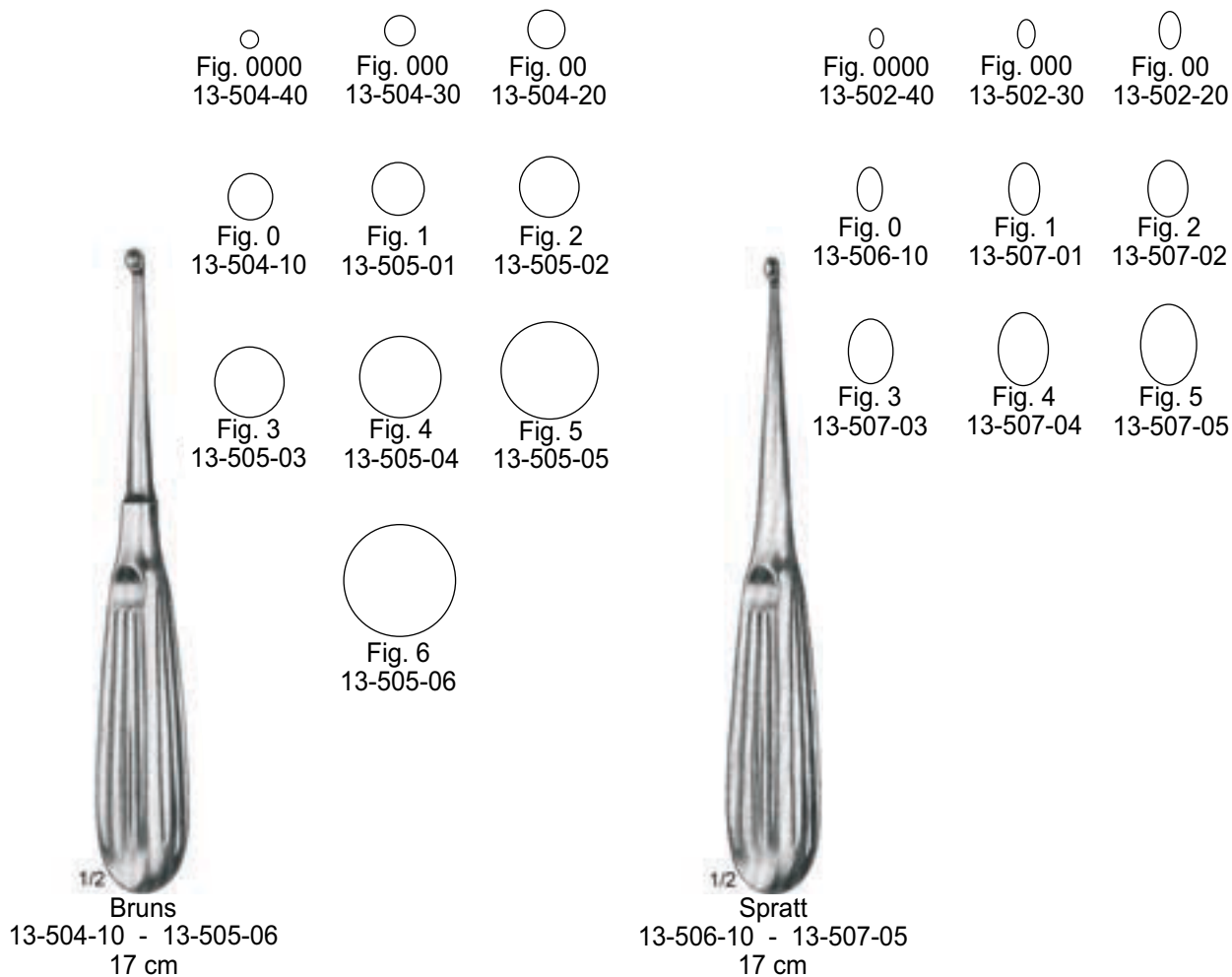
Fig. 6
13-503-06



1/2
Schede
13-500-10 - 13-501-04
17 cm



1/2
Volkman
13-502-10 - 13-503-06
17 cm



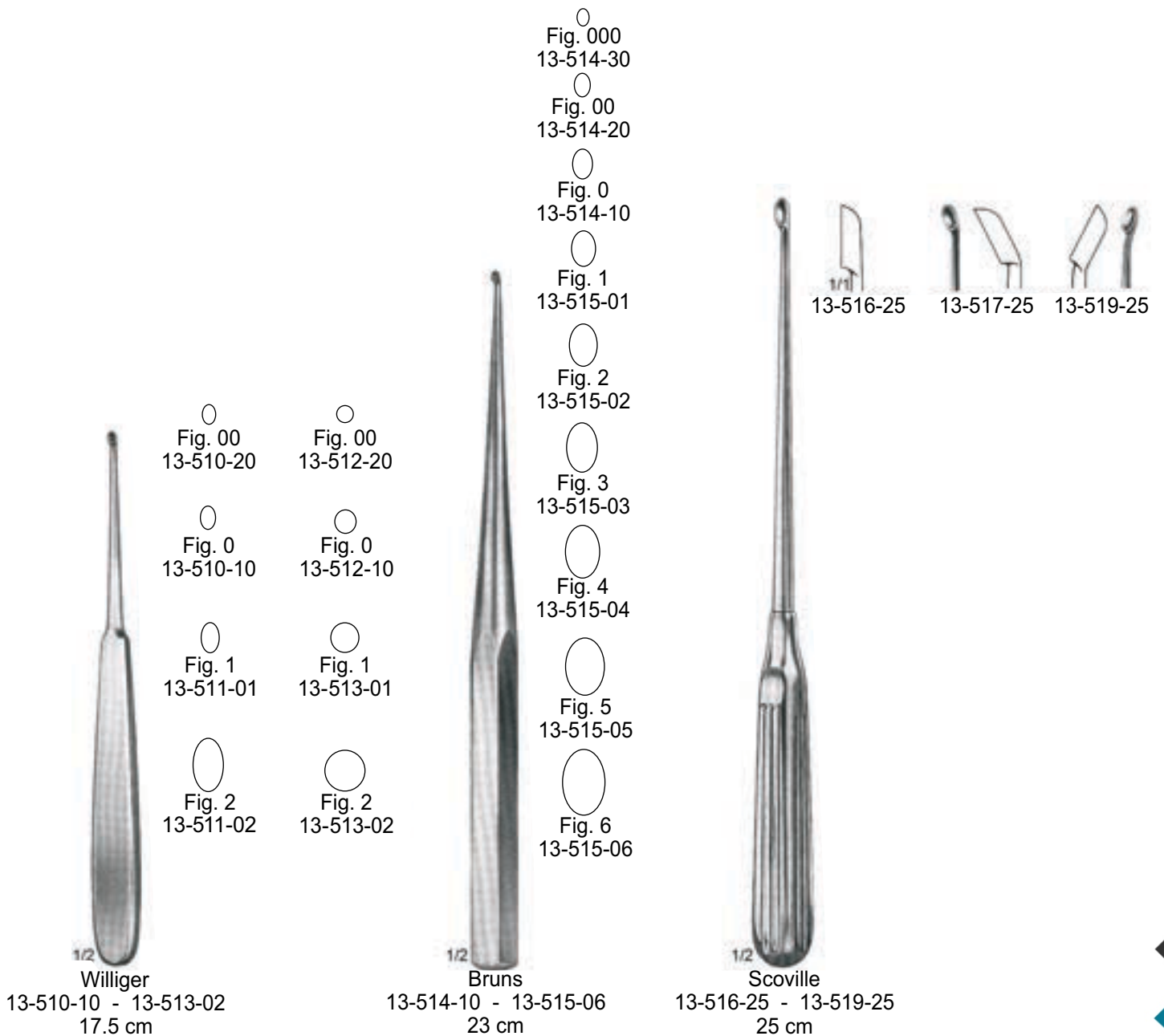


Fig. 000
 13-520-00

Fig. 3
 13-524-03

Fig. 000
 13-521-00

Fig. 3
 13-525-03

Fig. 00
 13-522-00

Fig. 4
 13-524-04

Fig. 00
 13-523-00

Fig. 4
 13-525-04

Fig. 0
 13-524-00

Fig. 5
 13-524-05

Fig. 0
 13-525-00

Fig. 5
 13-525-05

Fig. 1
 13-524-01

Fig. 1
 13-525-01

Fig. 2
 13-524-02

Fig. 6
 13-524-06

Fig. 2
 13-525-02

Fig. 6
 13-525-06

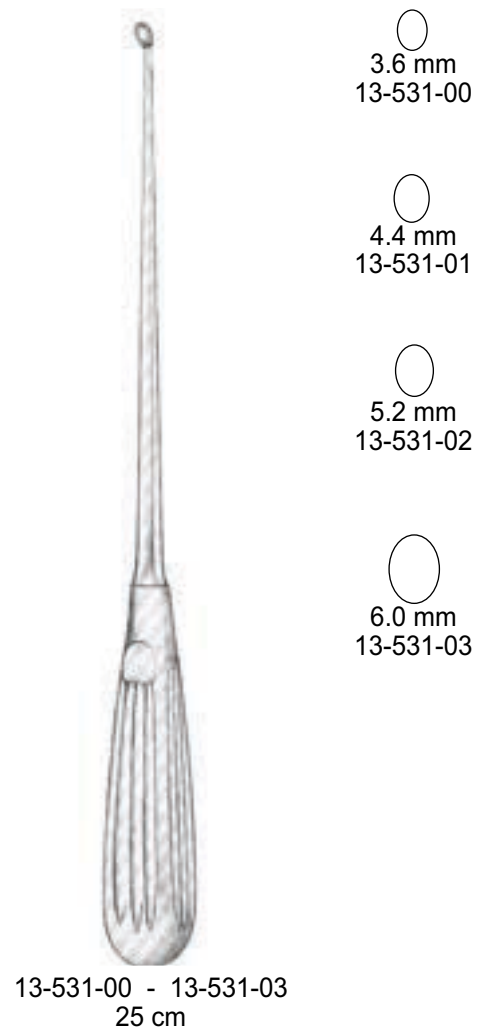
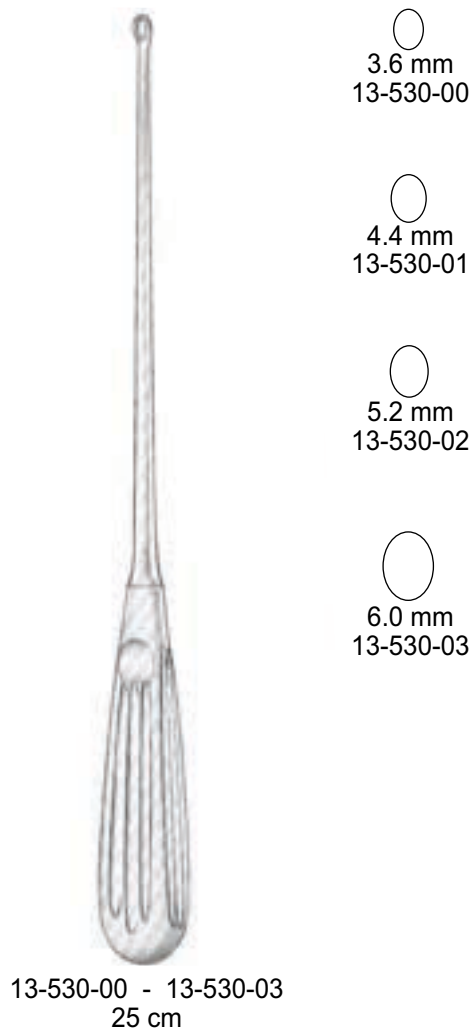


Cloward Hibbs Spratt Spinal Fusion
 13-520-00 - 13-524-06
 22.5 cm



Cloward Hibbs Spratt Spinal Fusion
 13-521-00 - 13-525-06
 22.5 cm





	 13-534-00 3.0 x 5.0 mm		 13-536-00 3.0 x 5.0 mm		 13-538-00 4.06 x 5.08 mm
	 13-534-01 3.5 x 5.5 mm		 13-536-01 3.5 x 5.5 mm		 13-538-01 5.08 x 6.35 mm
	 13-534-02 4.5 x 6.4 mm		 13-536-02 4.5 x 6.4 mm		 13-538-02 6.10 x 7.62 mm
	 13-534-03 5.0 x 8.0 mm		 13-536-03 5.0 x 8.0 mm		 13-538-03 7.11 x 8.89 mm
	 13-534-04 6.0 x 9.0 mm		 13-536-04 5.0 x 8.0 mm		 13-538-04 8.13 x 10.16 mm
	 13-534-05 7.0 x 11.0 mm		 13-536-05 7.0 x 11.0 mm		 13-538-05 9.14 x 11.43 mm
	 13-534-06 8.5 x 12.5 mm		 13-536-06 8.5 x 12.5 mm		 13-538-06 10.16 x 12.70 mm
	 13-534-07 9.5 x 14.5 mm		 13-536-07 9.5 x 14.5 mm		 13-538-07 11.18 x 13.97 mm
 13-534-08 10.5 x 16.8 mm		 13-536-08 10.5 x 16.8 mm		 13-538-08 12.19 x 15.24 mm	
13-534-00 - 13-534-08 23 cm		13-536-00 - 13-536-08 28 cm		13-538-00 - 13-538-08 28 cm	



Fig. 1
13-540-01
Fig. 2
13-540-02
Fig. 3
13-540-03
Fig. 4
13-540-04
Fig. 5
13-540-05
Fig. 6
13-540-06

Simon
13-540-01 - 13-540-06
24 cm



Mod. USA
13-542-01 - 13-545-06
16 cm



Fig. 1
13-542-01

Fig. 2
13-542-02

Fig. 3
13-542-03



Fig. 4
13-542-04

Fig. 5
13-542-05

Fig. 6
13-542-06



Fig. 1
13-543-01

Fig. 2
13-543-02

Fig. 3
13-543-03



Fig. 1
13-545-01

Fig. 2
13-545-02

Fig. 3
13-545-03



Fig. 4
13-545-04

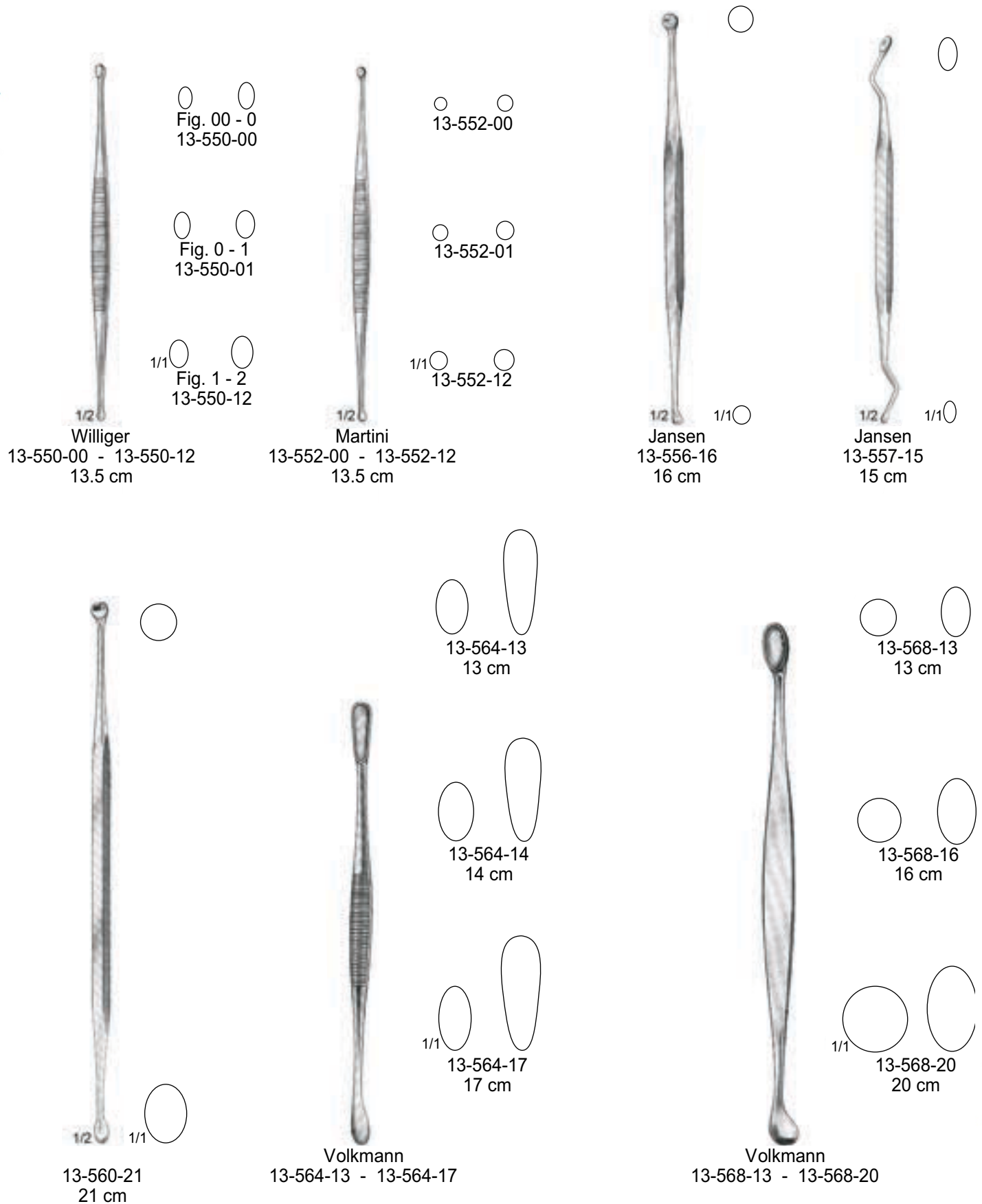
Fig. 5
13-545-05

Fig. 6
13-545-06



Fig. 1
13-548-01
Fig. 2
13-548-02
Fig. 3
13-548-03

Halle
13-548-01 - 13-548-03
21 cm





Barth
13-569-18
18 cm



House
13-570-15
15.5 cm



House
13-571-15
15.5 cm



Williger
13-572-01 - 13-572-03
16 cm

Fig. 00

Fig. 0

Fig. 1

13-572-01

13-572-02

13-572-03

Fig. 00

Fig. 0

Fig. 1

Fig. 1

Fig. 2

Fig. 3

13-573-01

13-573-02

13-573-03

Fig. 1

Fig. 2

Fig. 3

13-574-01

13-574-02

13-574-03

Fig. 1

Fig. 2

Fig. 3

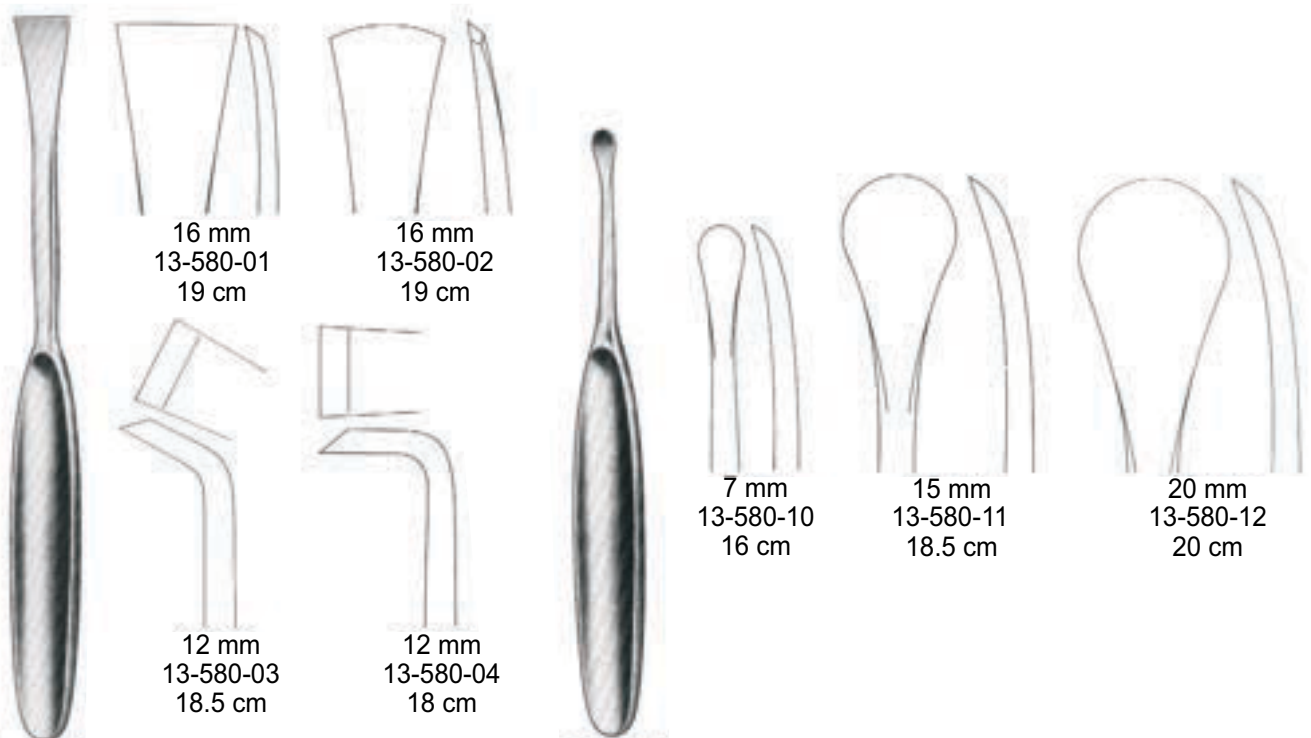
Fig. 1

Fig. 2

Fig. 3

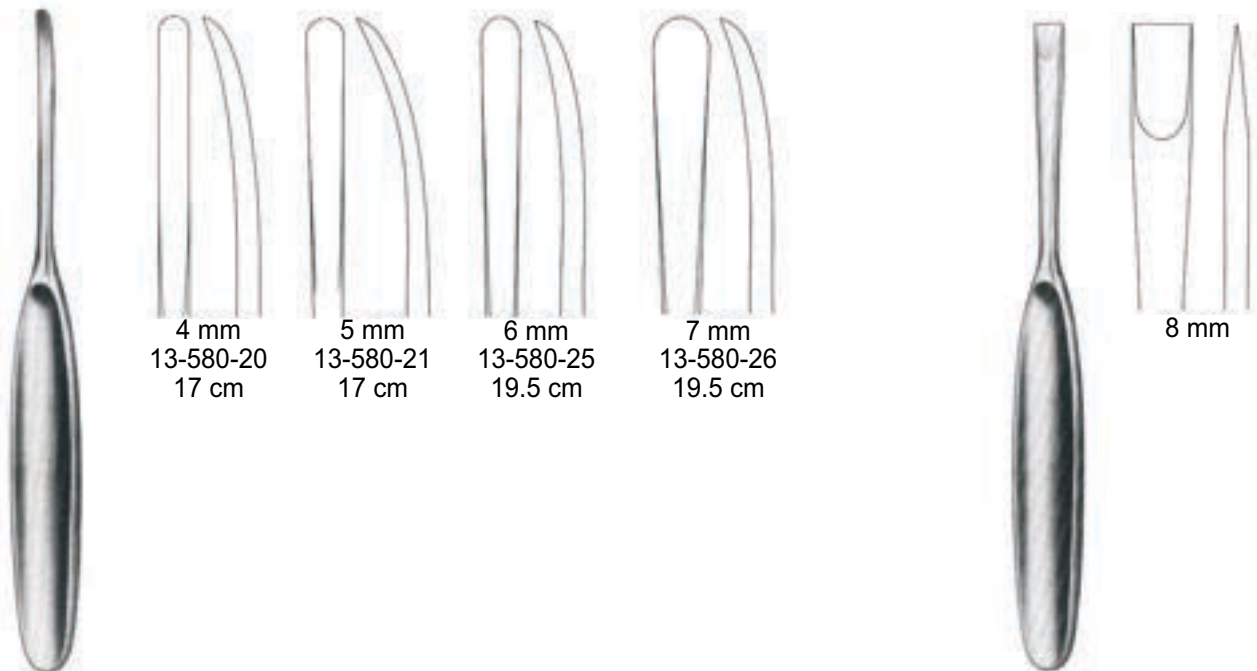
Hemingway
13-573-01 - 13-573-03
16.5 cm

Lucas
13-574-01 - 13-574-03
16.5 cm



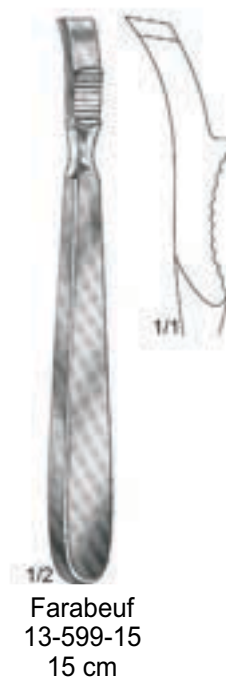
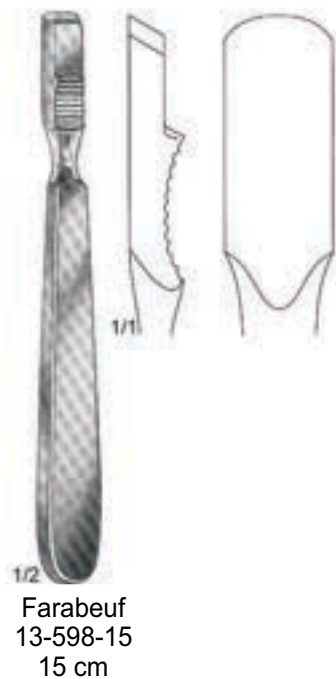
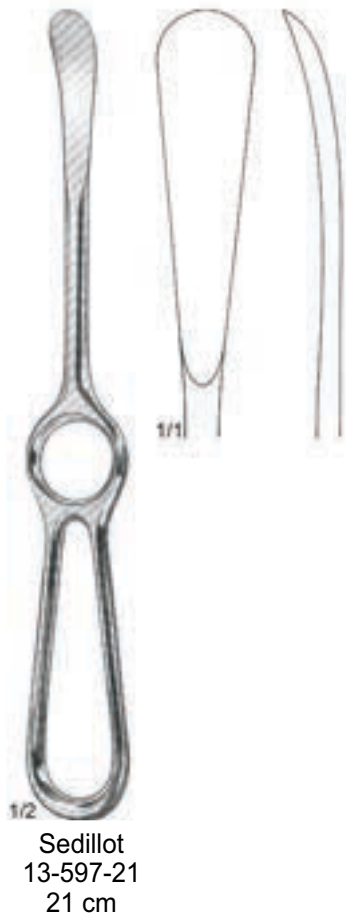
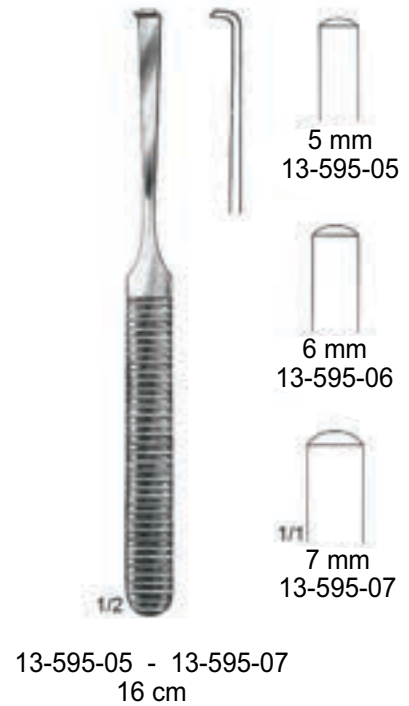
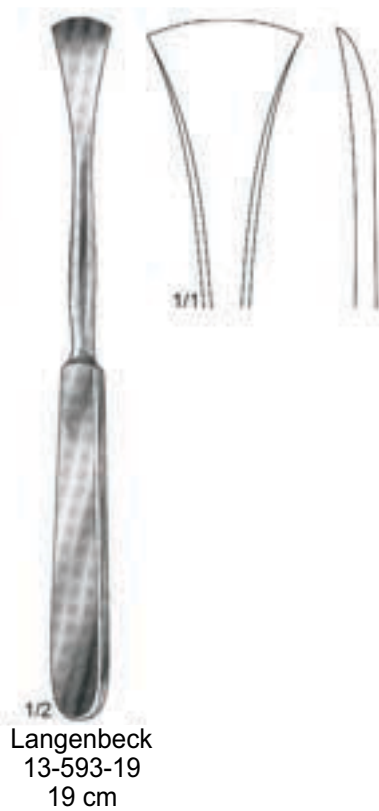
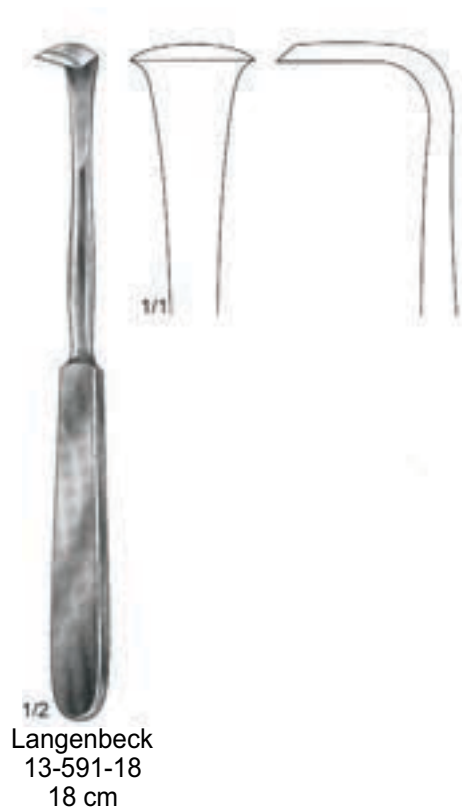
Martin - Langenbeck
 13-580-01 - 13-580-04

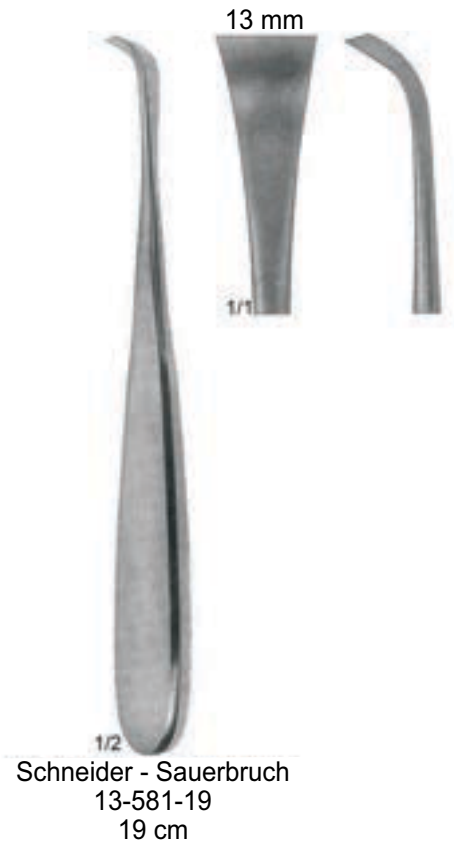
Martin - Hoen
 13-580-10 - 13-580-12



Martin - Cushing
 13-580-20 - 13-580-26

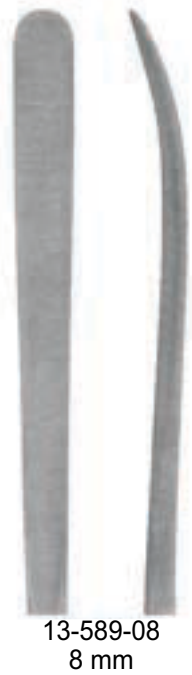
Martin - Cushing
 13-580-30
 17 cm







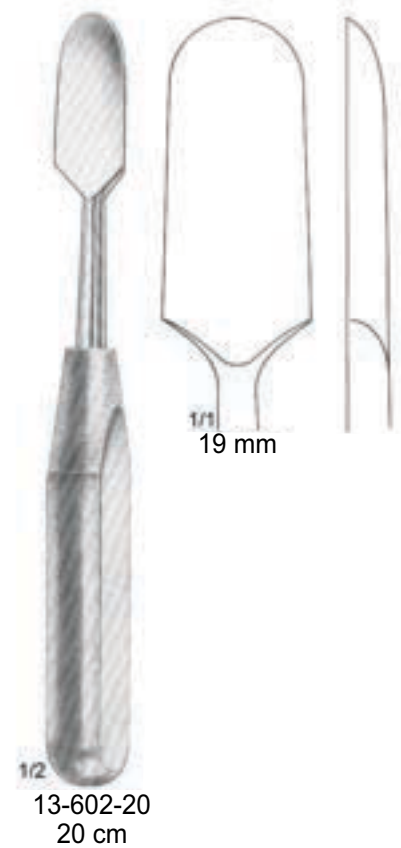
Handle from artificial wood



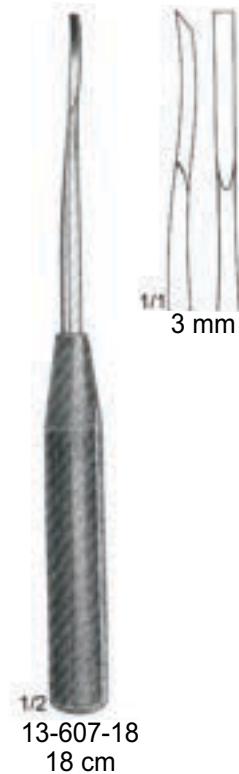
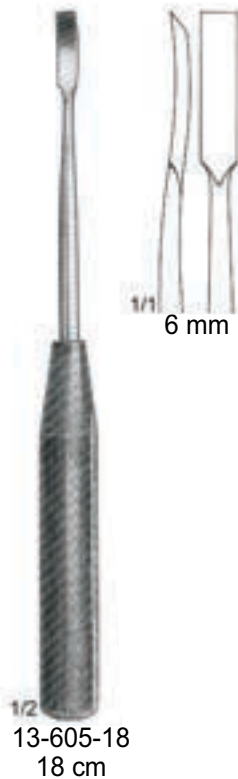
Cobb
 13-585-10 - 13-585-25
 25 cm

13-587-27
 27.5 cm

Wagner
 13-589-08 - 13-589-17
 33 cm



Handle from artifical wood

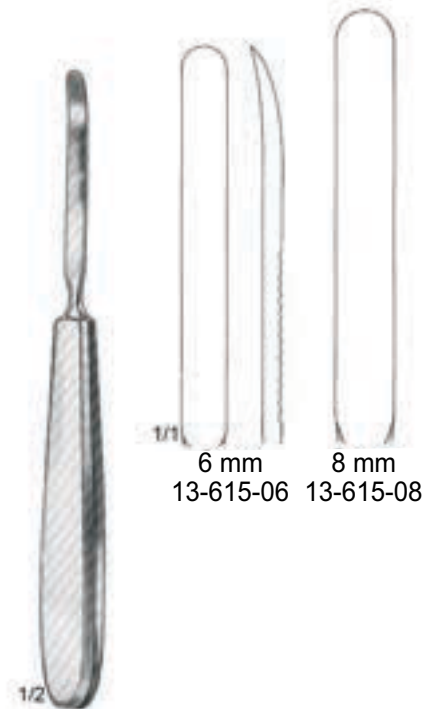




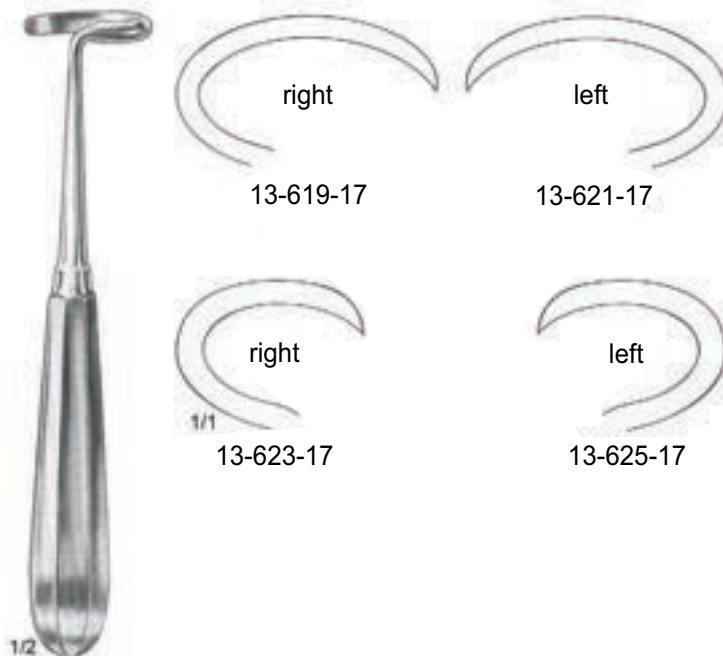
1/2
 Williger
 13-611-13
 13 cm



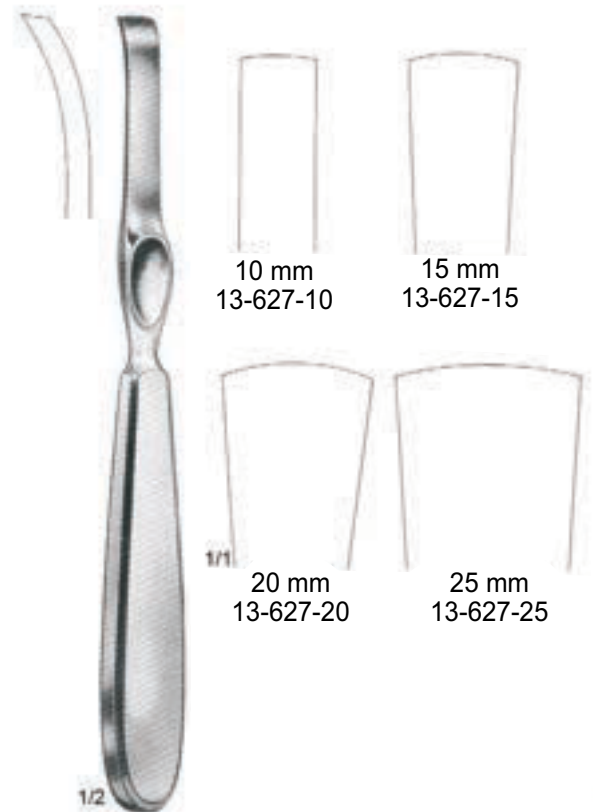
1/2
 Williger
 13-613-16
 16 cm



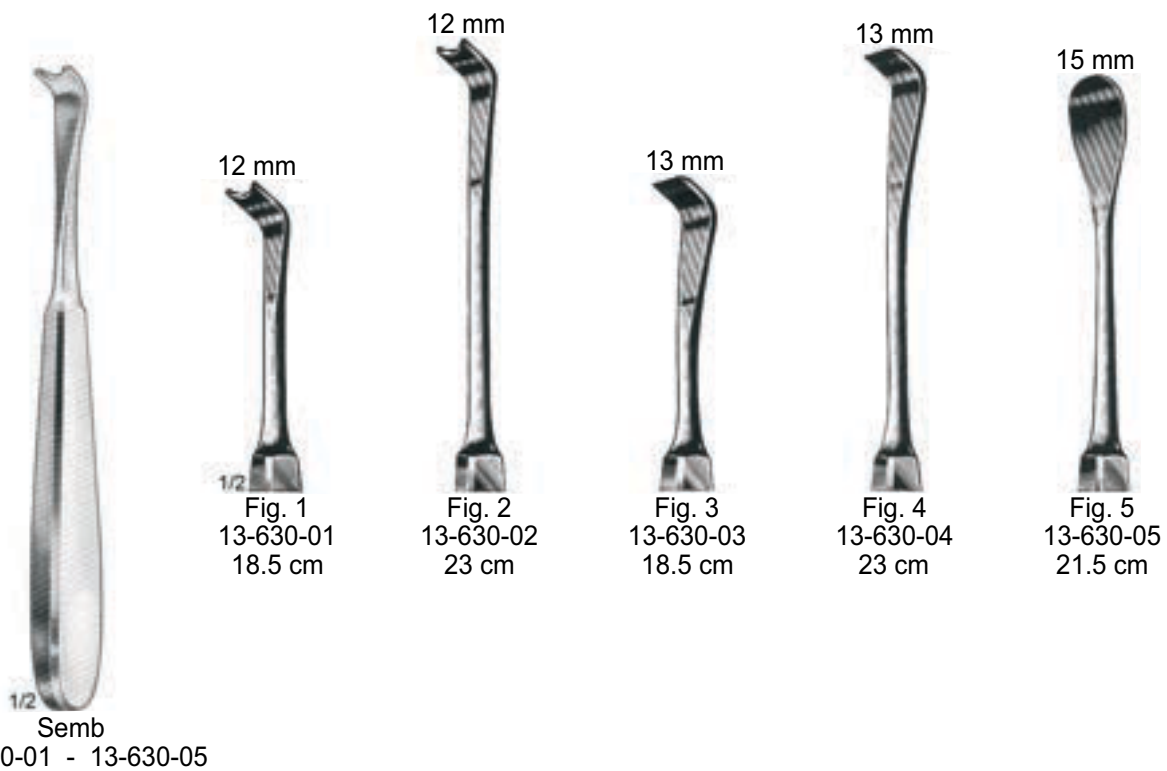
13-615-06 - 13-615-08
 17 cm



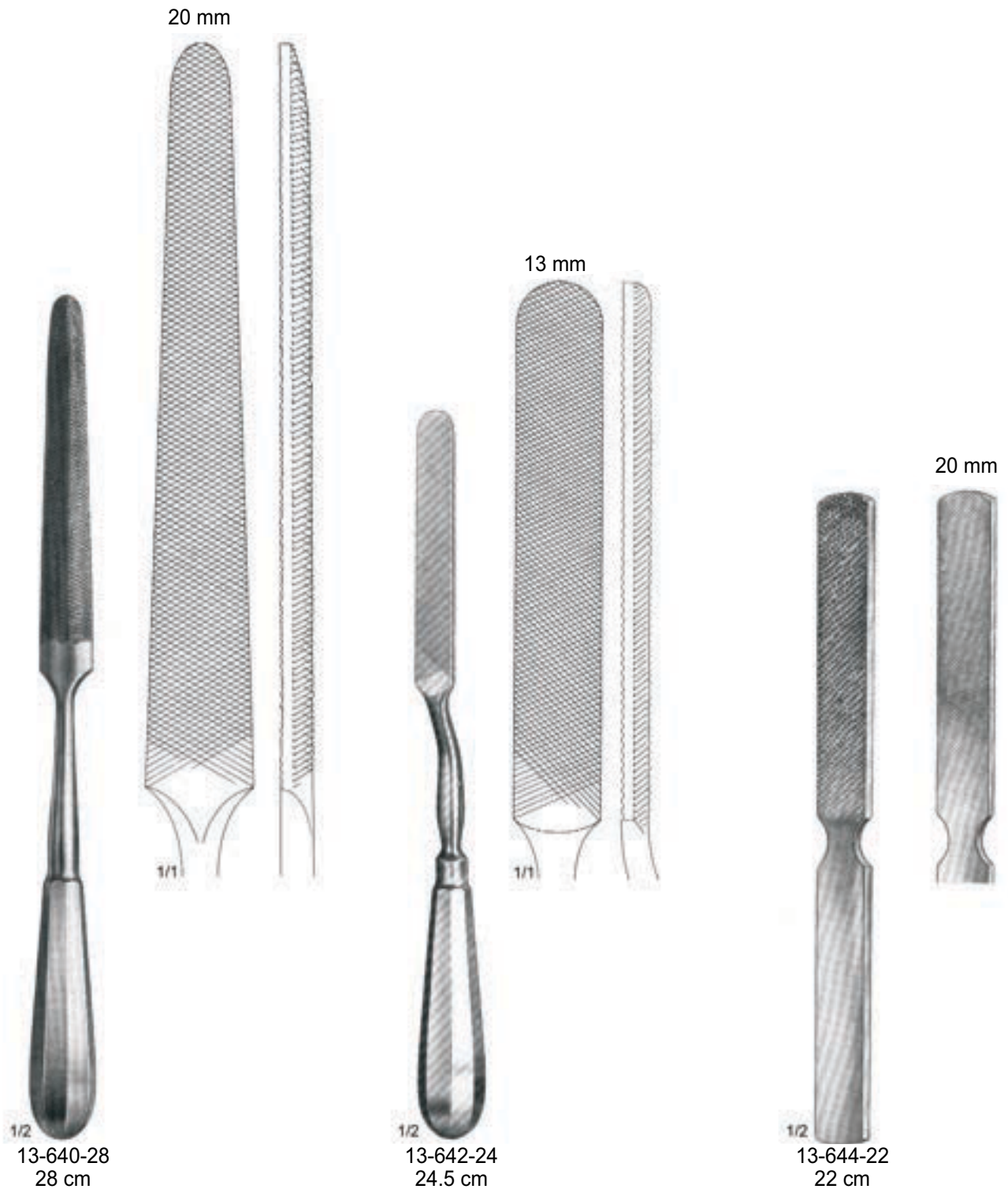
1/2
 Doyen
 13-619-17 - 13-625-17
 17 cm

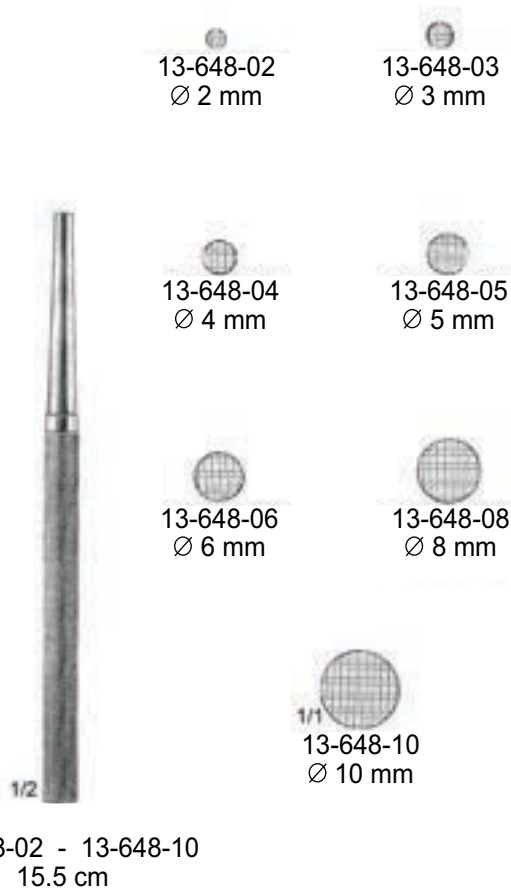


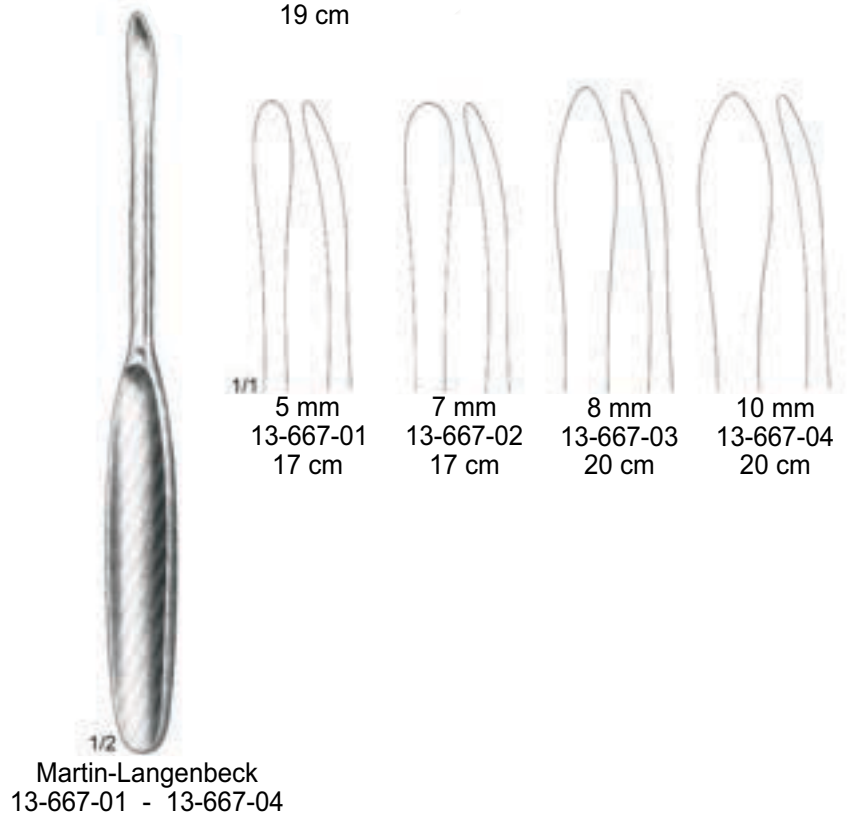
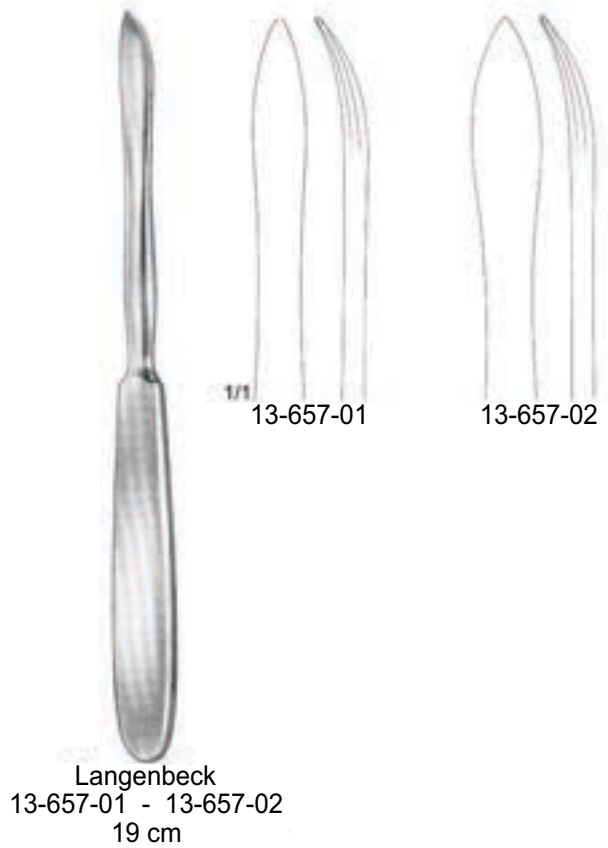
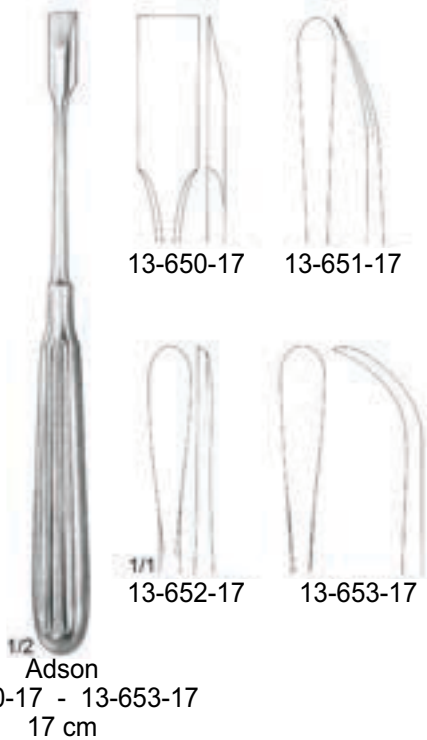
1/2
 Lambotte
 13-627-10 - 13-627-25
 21 cm









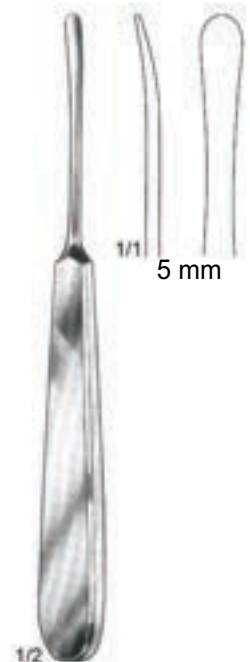




Cobb
13-670-01 - 13-670-03
28 cm



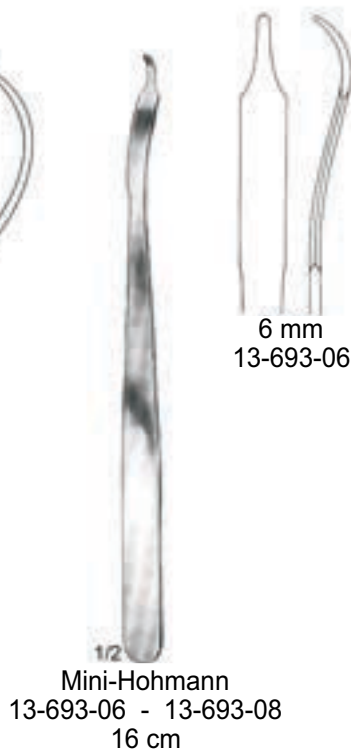
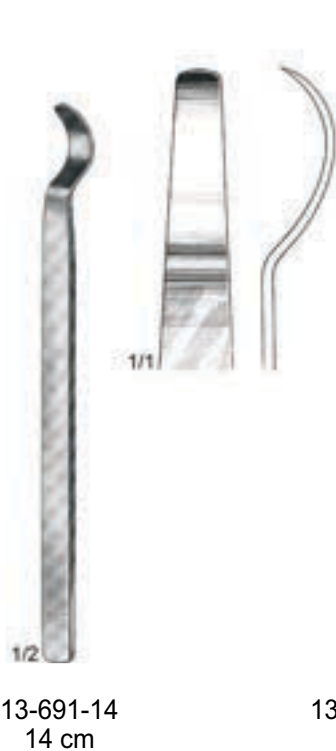
Langenbeck
13-673-23
23 cm

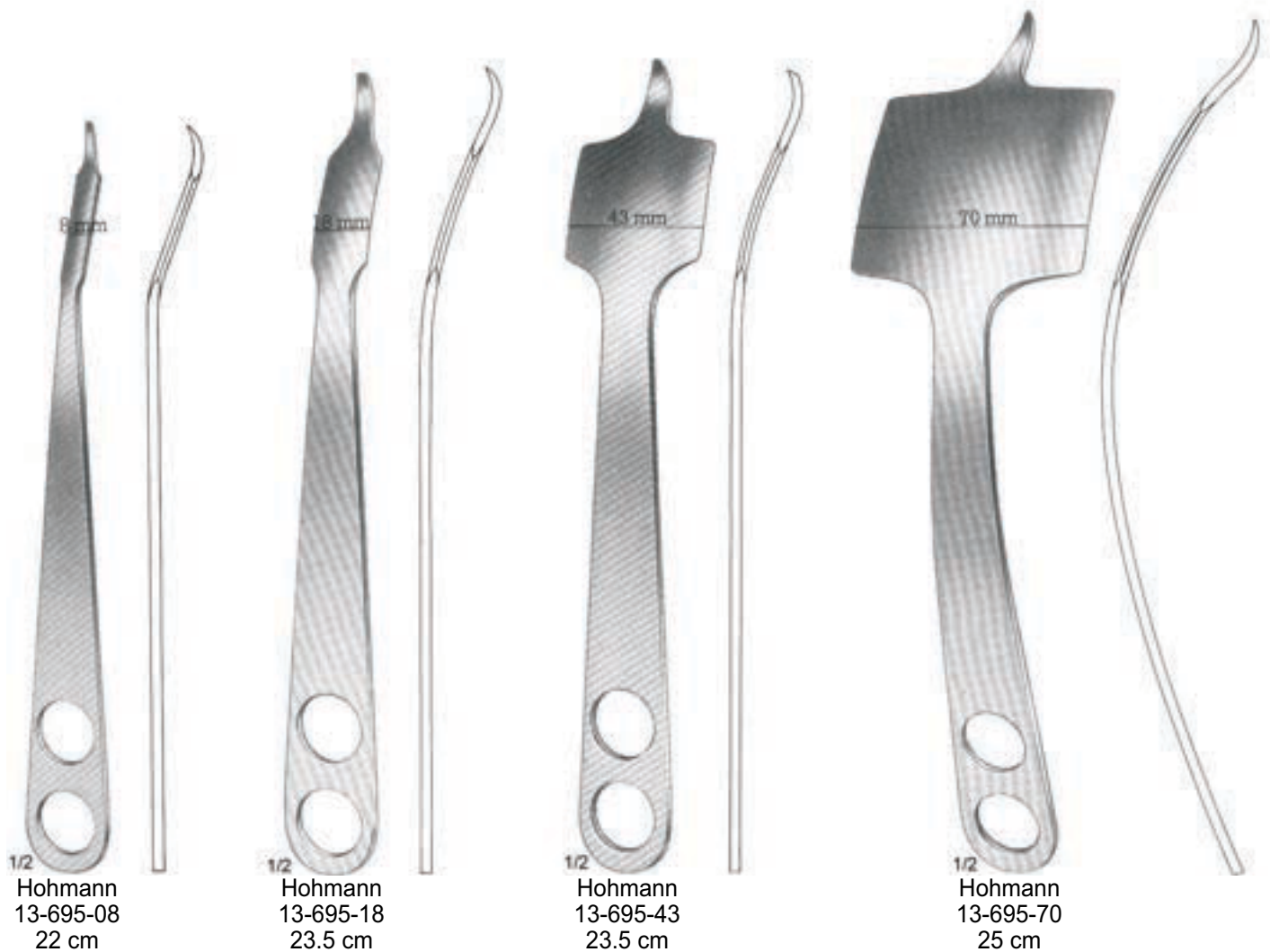


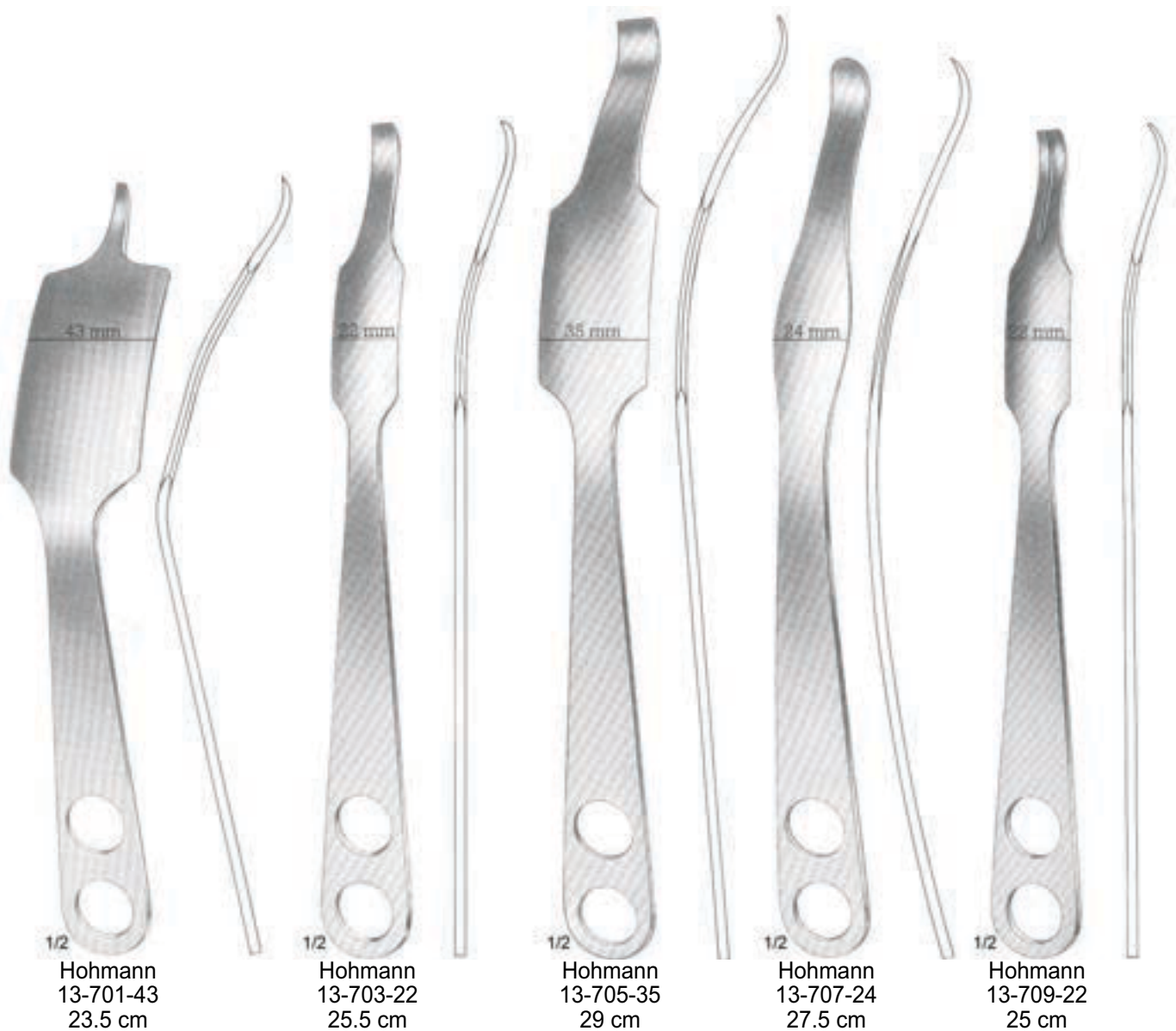
Sebileau
13-675-17
17.5 cm

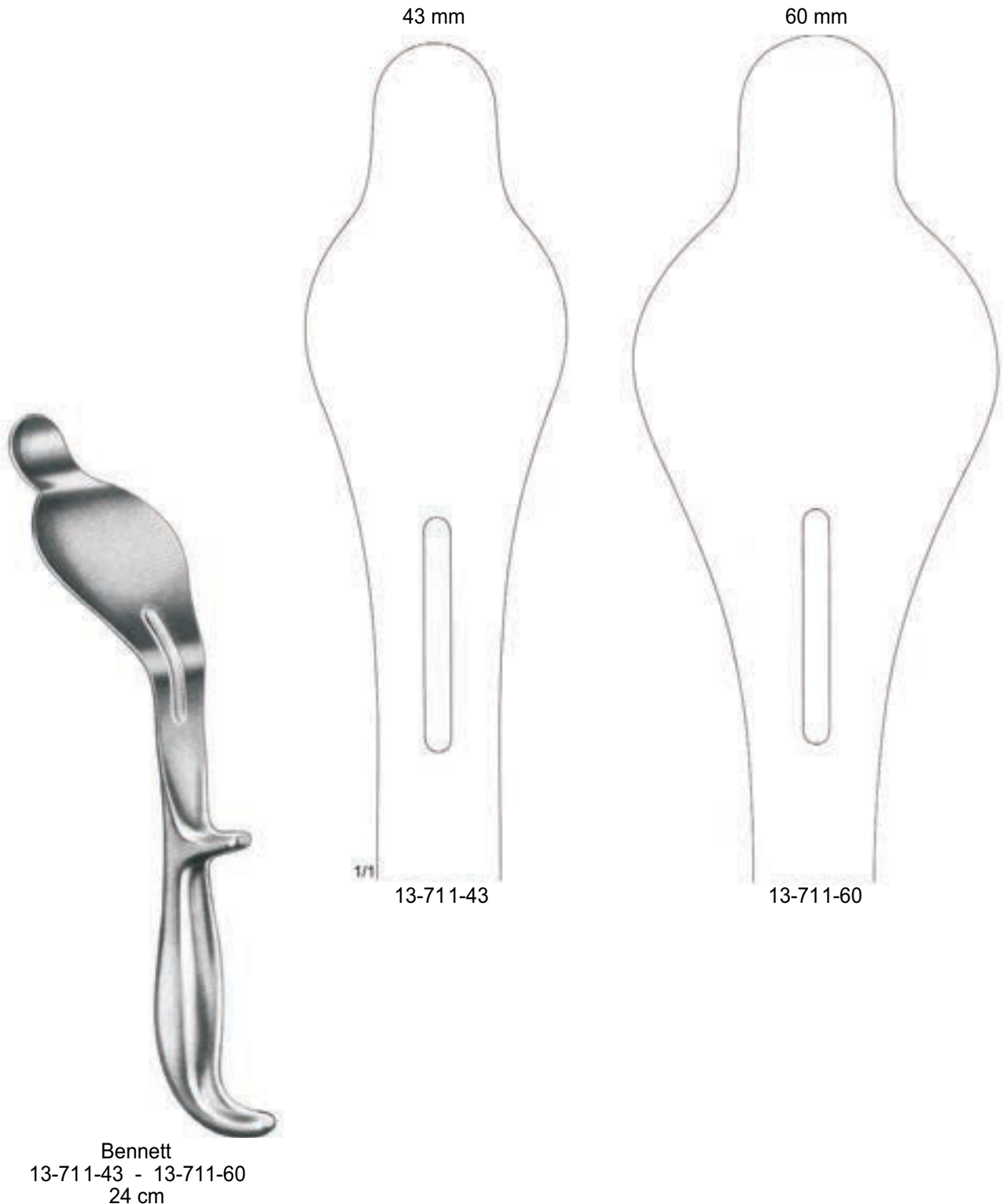












13-712-01
26.5 cm
30 mm



Lange - Hohmann Modif
13-712-01 - 13-712-02

13-712-02
29 cm
33 mm



Hohmann - Aldinger
13-712-03
27 cm

18 mm



Schumacher
13-712-04
34.5 cm
(Wagner)

18 mm



Schumacher
13-712-05
29 cm

24 mm

37 mm

35 mm

13-713-01
32 x 19 mm

13-713-02
48 x 19 mm

13-713-03
57 x 19 mm



Smillie
13-713-01 - 13-713-05
14 cm



13-713-04
52 x 13 mm



13-713-05
12 x 13 mm



Wagner
13-713-06
22 cm



Murphy - Lane
13-713-07
32 cm

13-713-08
18 cm 13 mm

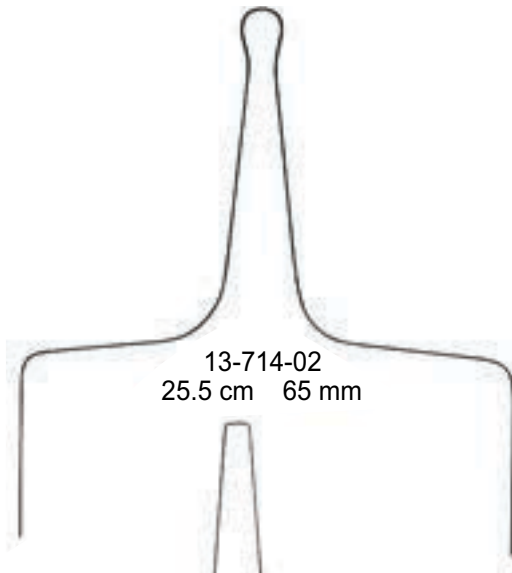
13-713-09
20 cm 19 mm

13-713-10
23 cm 25 mm

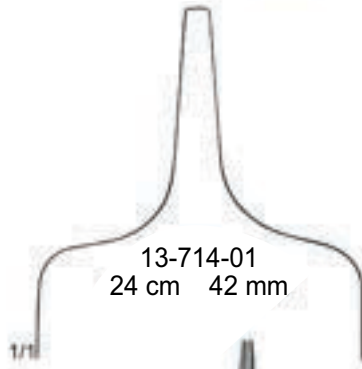
13-713-11
25 cm 30 mm



Chandler
13-713-08 - 13-713-11



13-714-02
25.5 cm 65 mm



13-714-01
24 cm 42 mm



Verbrugge - Müller
13-714-01 - 13-714-02



Lane Trethowan
13-714-03
21.5 cm



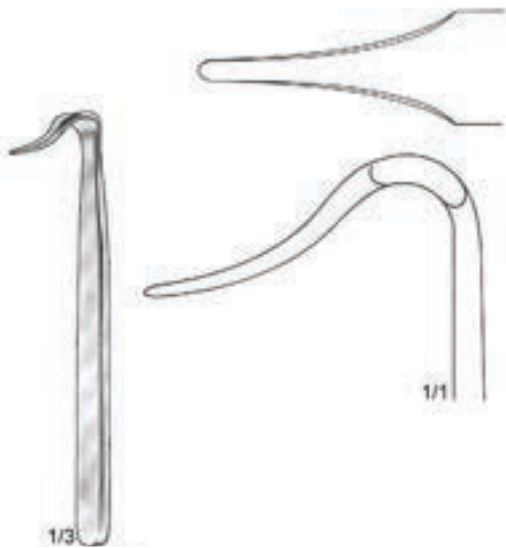
Lane
13-714-04
25.5 cm



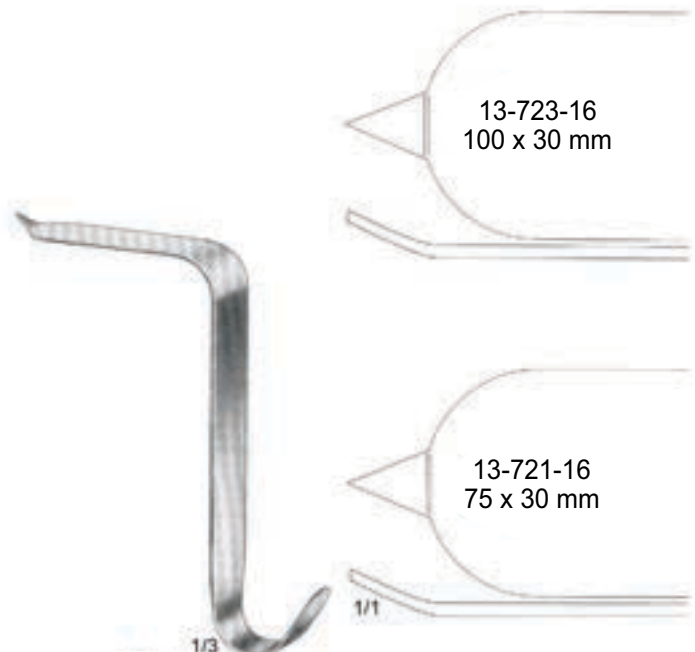
Blount
13-715-26
26 cm



Blount
13-717-26
26 cm



Schumacher
13-712-04
34.5 cm



Taylor
13-721-16 - 13-723-16
16.5 cm

13-723-16
100 x 30 mm

13-721-16
75 x 30 mm



33 mm

Bircher
13-725-19 - 13-727-19
19 cm



Smillie
13-730-17 - 13-733-17
17 cm



13-735-18
18 cm



Left

Right

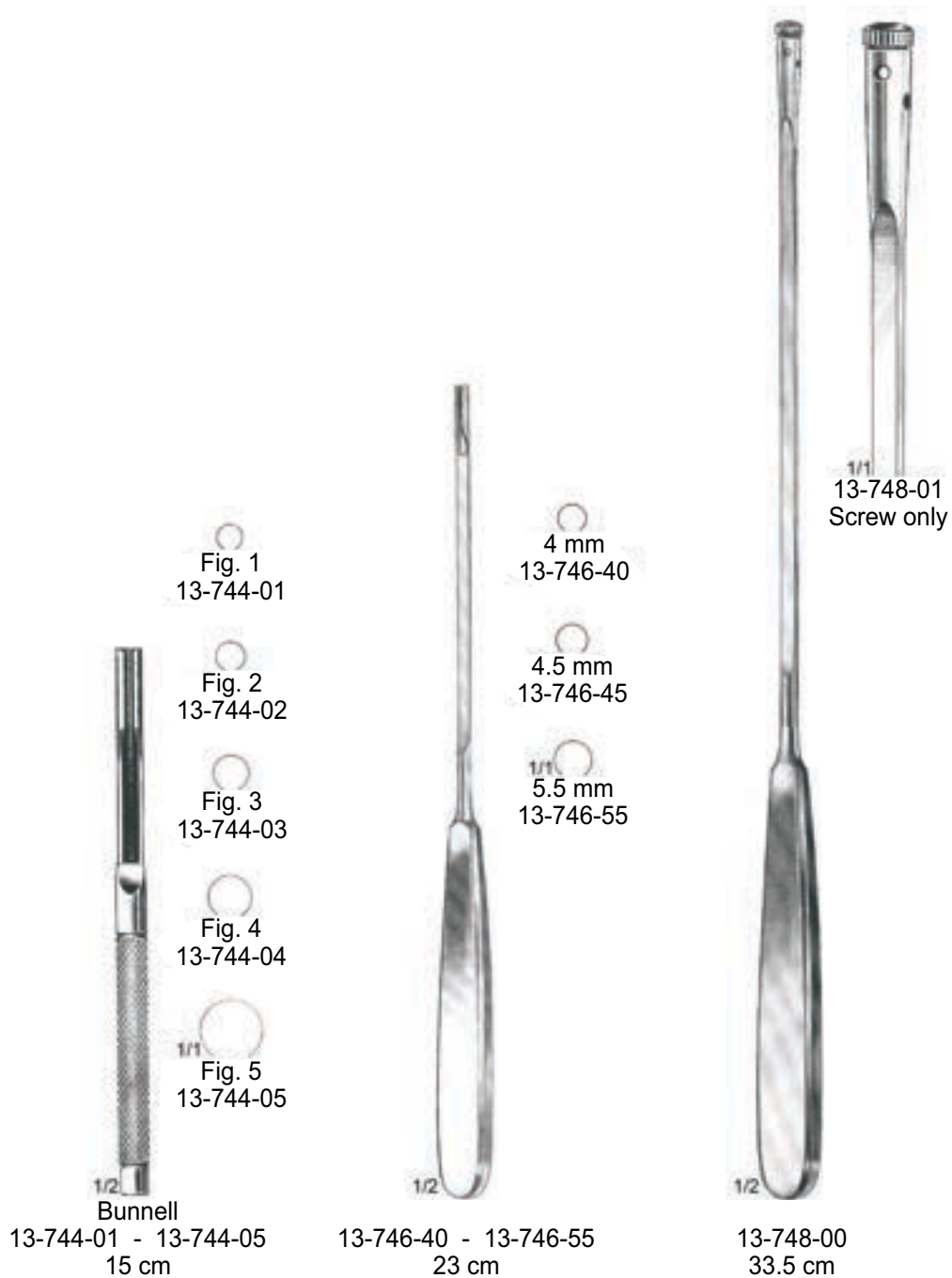
Neff
13-737-22 - 13-739-22
22 cm



Salenius
13-740-22
22 cm



Salenius
13-741-22
22 cm





Fischer
13-750-31
31 cm

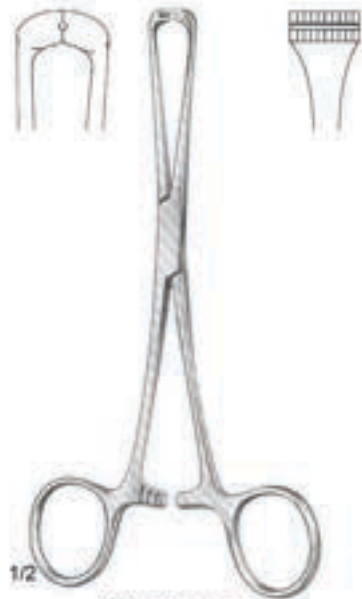


13-752-28
28 cm

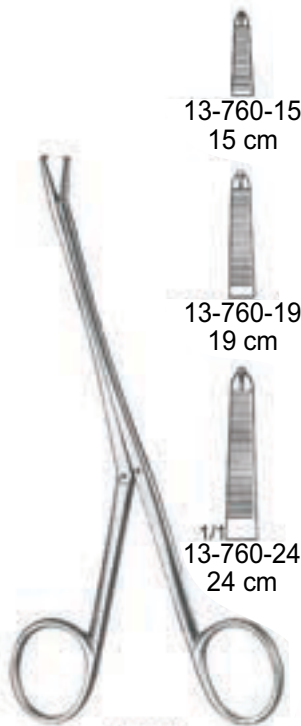


Bunnell
13-754-28
28 cm

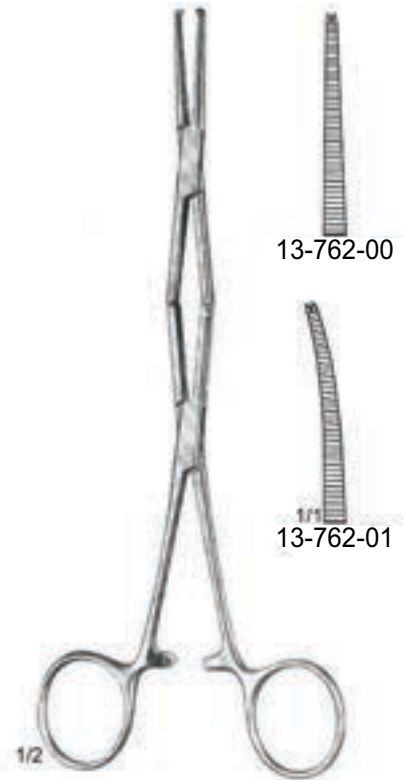
malleable



Steinmann
13-758-16
16 cm



Brand
13-760-15 - 13-760-24



13-762-00 - 13-762-01
20.5 cm

Fine Serrations

Coarse Serrations



Herz
13-764-01 - 13-764-02
15.5 cm



13-764-02



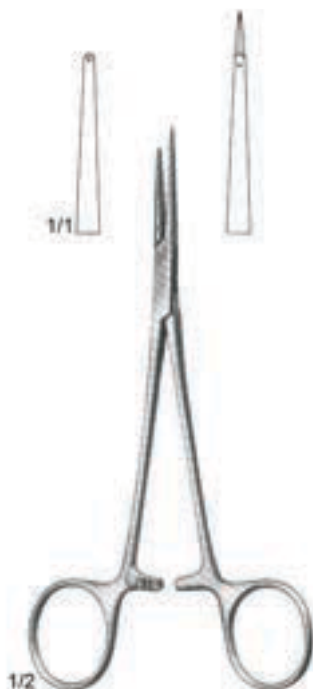
Caroll
13-765-11
11 cm



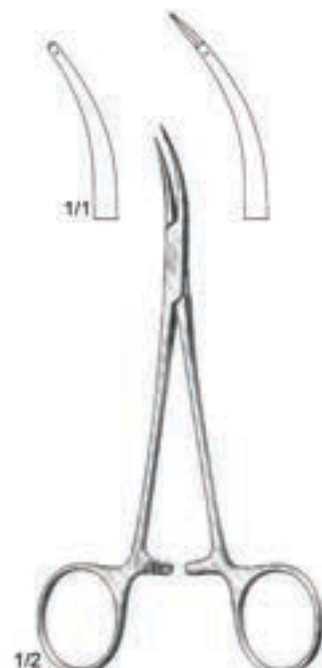
13-766-13
13 cm



Kleinert-Kutz
13-767-20
20 cm



13-768-15
15 cm



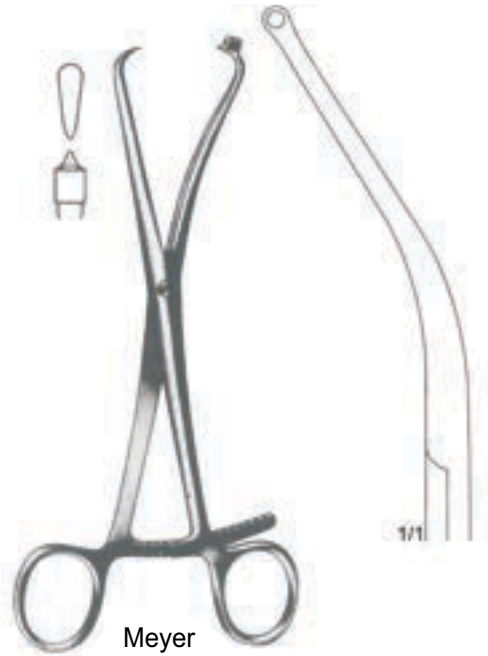
13-769-15
15 cm



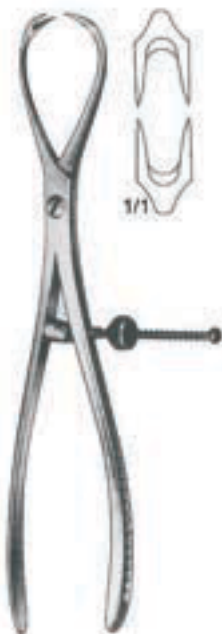
Reill
 13-770-20
 20 cm



Meyer
 13-772-17
 17 cm



Meyer
 13-772-20
 20.5 cm



Patella
 13-774-18
 18 cm



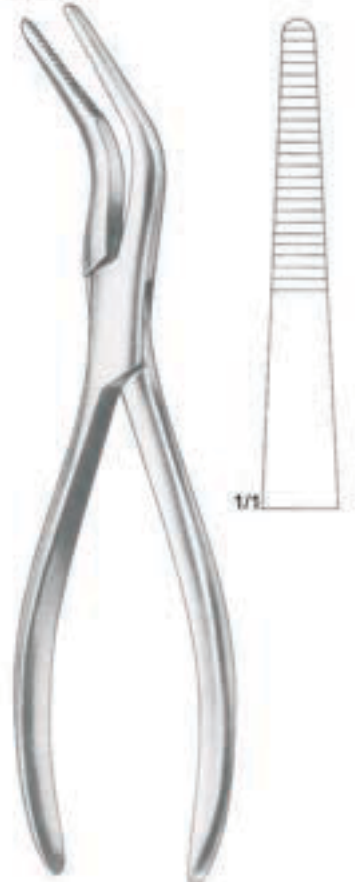
13-776-20 - 13-777-20
 20 cm



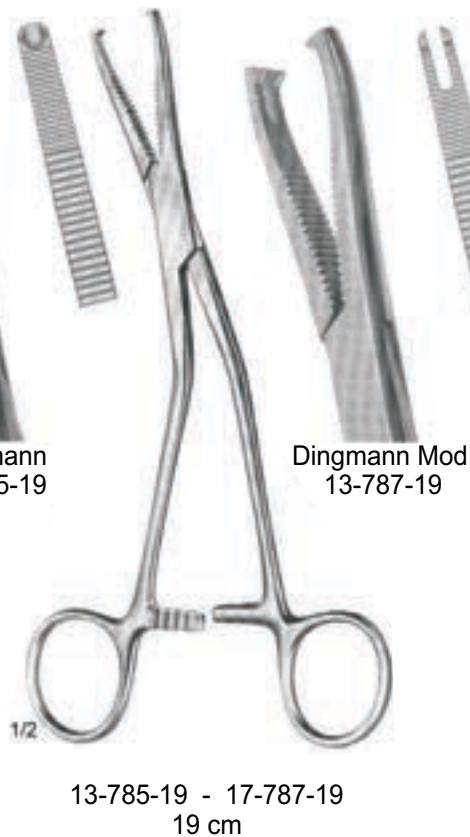
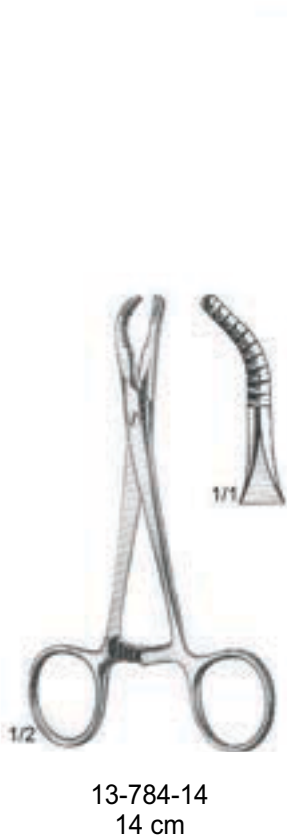
13-776-20



13-777-20



Van Buren
 13-778-23
 23cm

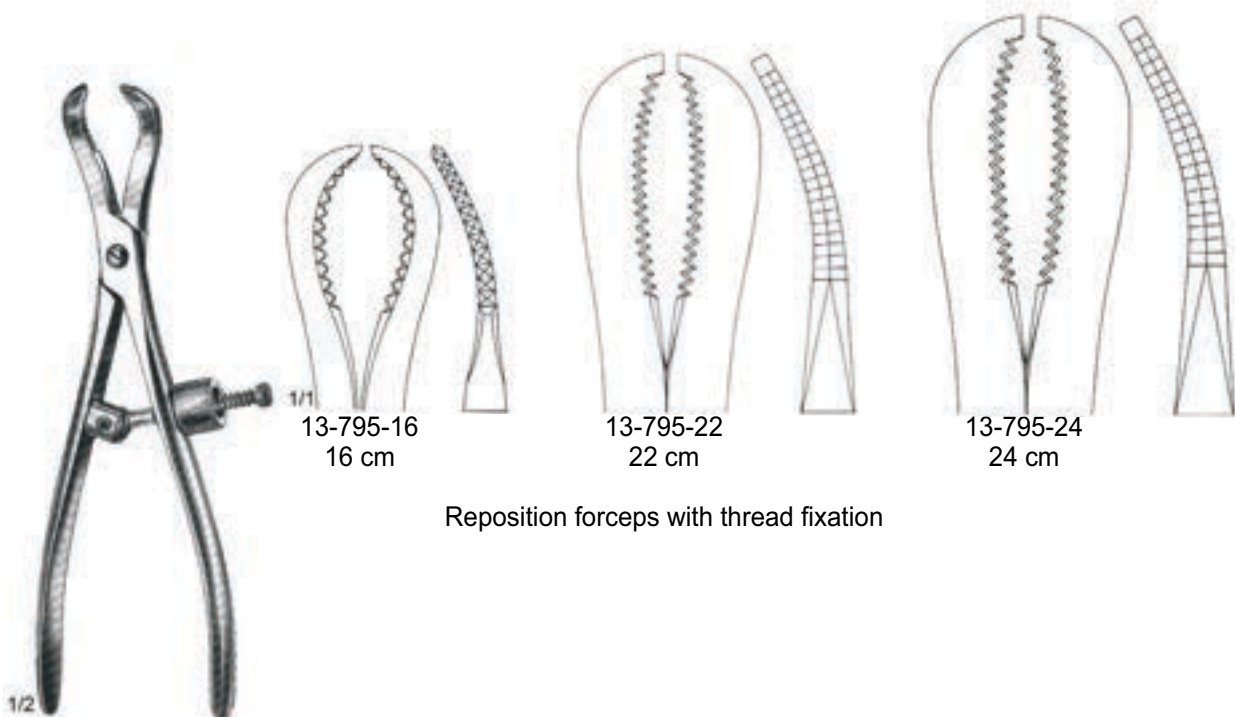




13-791-12
12 cm



Lewin
13-792-17
17.5 cm



13-795-16
16 cm

13-795-22
22 cm

13-795-24
24 cm

Reposition forceps with thread fixation

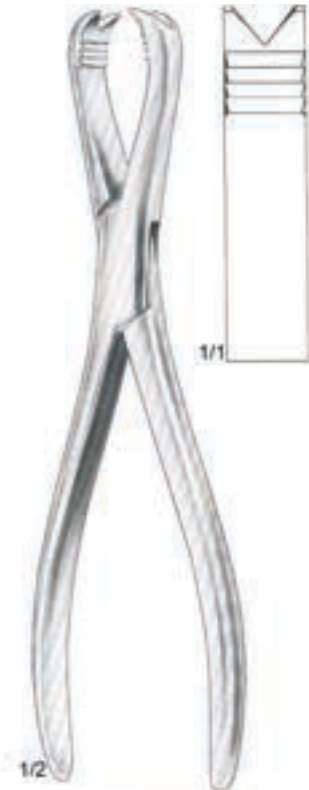
13-795-16 - 13-795-24



13-800-14
14 cm



13-801-13
13.5 cm



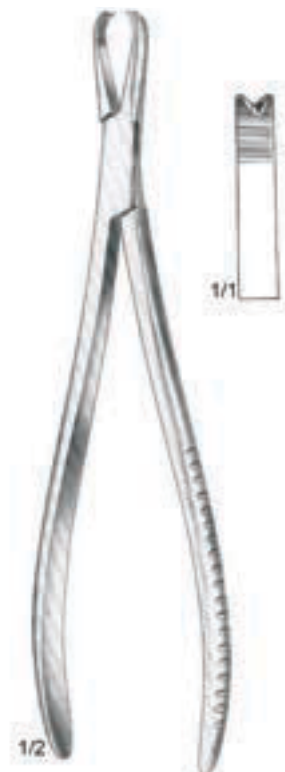
Langenbeck
13-802-21
21 cm



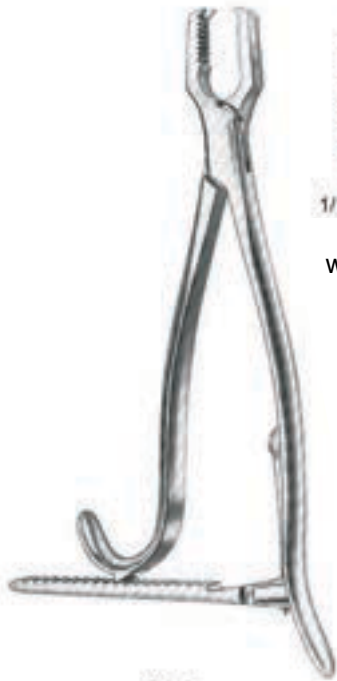
Fergusson
13-804-21
21 cm



Frosch
13-806-18
18 cm



13-808-20
20 cm



13-810-15
without ratchet

13-812-15
with ratchet



13-810-21
without ratchet

13-812-21
with ratchet

	Kern	
13-810-15	15 cm	13-812-15
13-810-17	17 cm	13-812-17
13-810-21	21 cm	13-812-21



Semb
13-813-19
19 cm



Semb
13-815-19
19 cm





13-817-21
21 cm



13-817-26
26 cm



13-817-33
33 cm



Lambotte
13-817-21 - 13-817-33



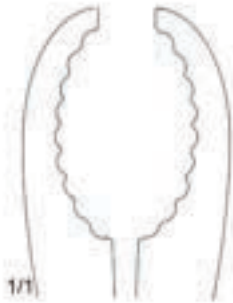
Lambotte
13-819-19 19 cm
13-819-23 23 cm
13-819-26 26 cm



Farabeuf
13-820-23 23 cm
13-820-26 26 cm

Farabeuf-Lambotte
13-822-26
26 cm

Lambotte
13-824-22 22 cm
13-824-27 27 cm
13-824-30 30 cm



13-826-23
13-827-23
23 cm



13-826-25
13-827-25
25 cm



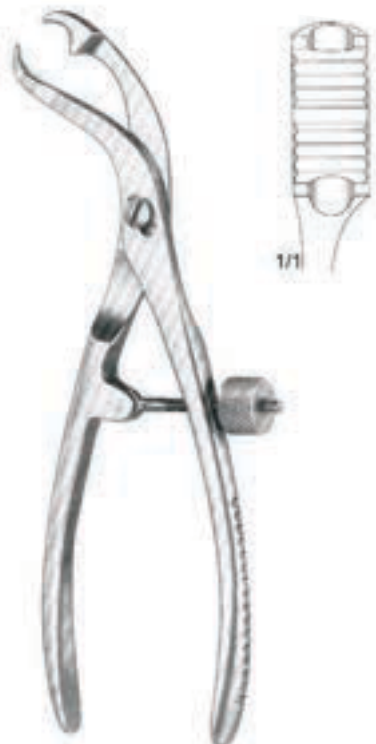
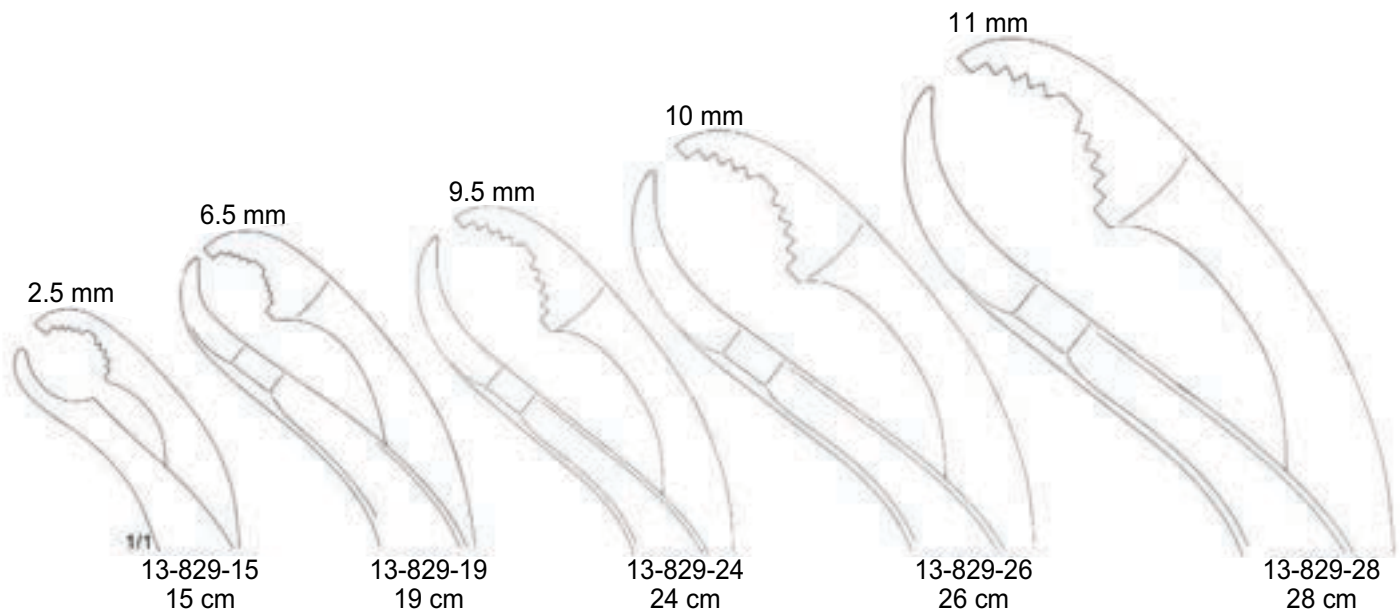
13-826-28
13-827-28
28 cm



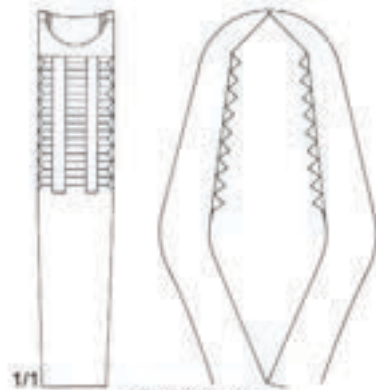
Ulrich
13-826-23 - 13-826-28



Ulrich
13-827-23 - 13-827-28



13-829-15 - 13-829-28
Self-centering forceps with thread fixation



13-830-33
without ratchet

13-832-33
with ratchet

13-830-45
without ratchet

13-832-45
with ratchet

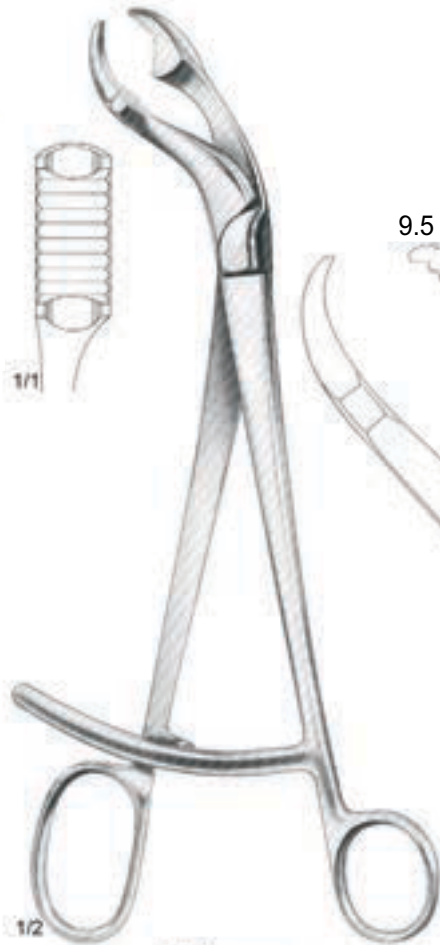
	Lane	
13-830-33	33 cm	13-832-33
13-830-45	45 cm	13-832-45



Hey Groves
13-834-21
21 cm

Hey Groves
13-834-27
27 cm

Hey Groves
13-834-30
30.5 cm



Verbrugge
13-835-01 - 13-835-03

9.5 mm



13-835-01
25 cm

10.5 mm



13-835-02
26 cm

12 mm

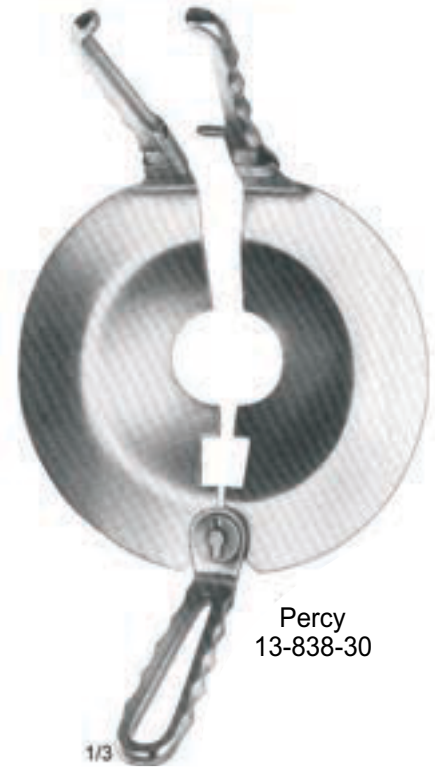


13-835-03
27 cm

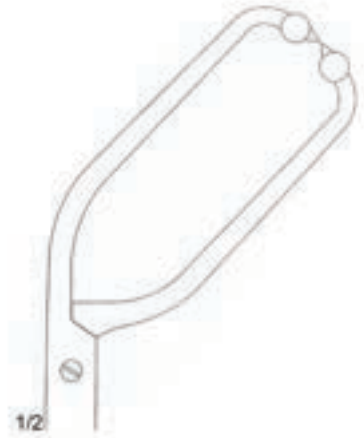
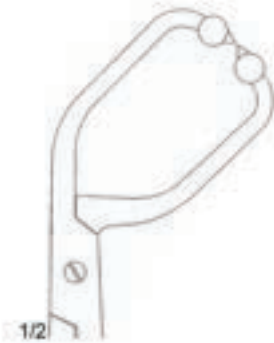


Verbrugge
13-837-17
17.5 cm

Amputating Retractor



Percy
13-838-30



13-839-01
19 cm

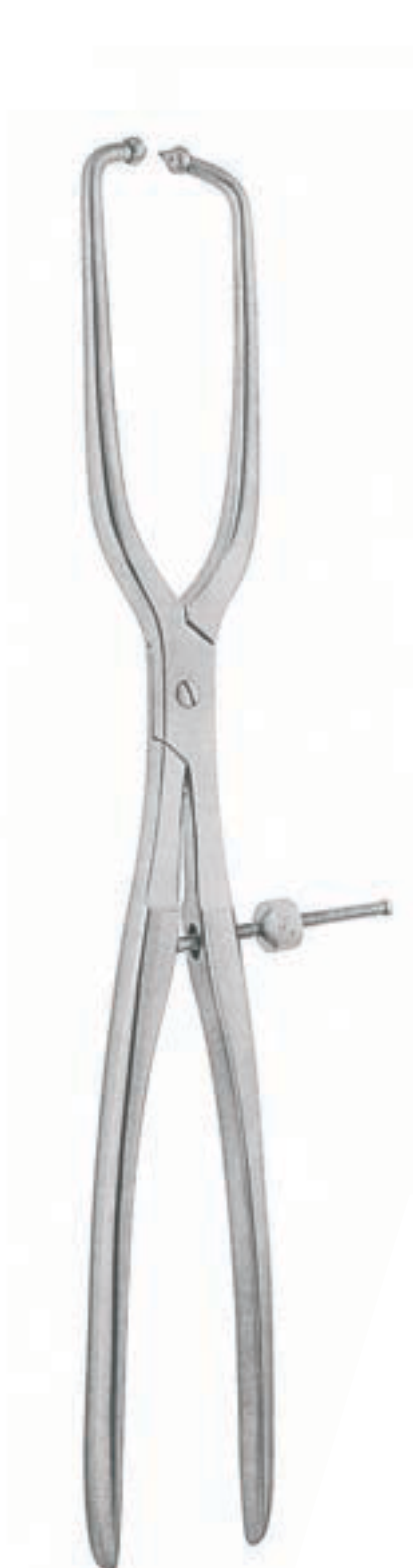


13-839-02
24.5 cm



13-839-03
25 cm

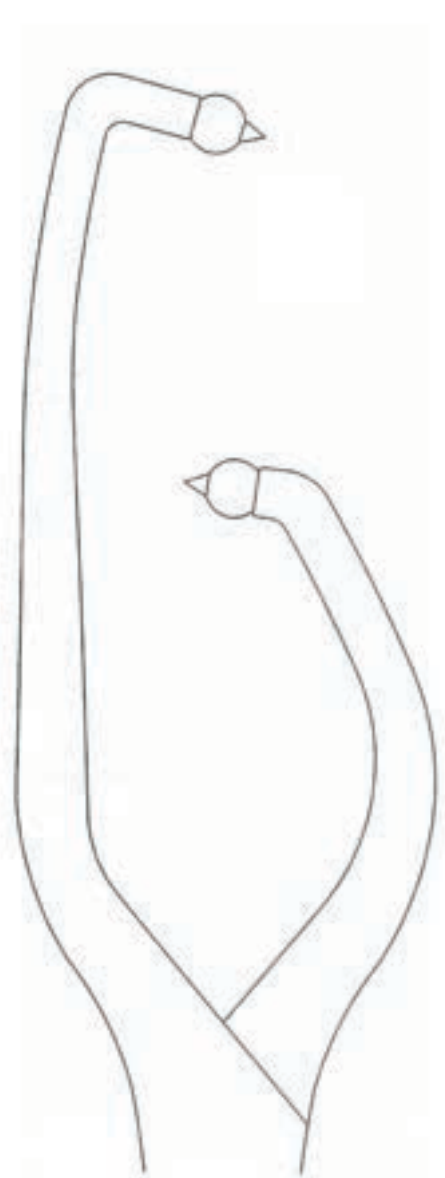
13-839-04
40 cm



13-839-05 - 13-829-06



13-839-05
41 cm



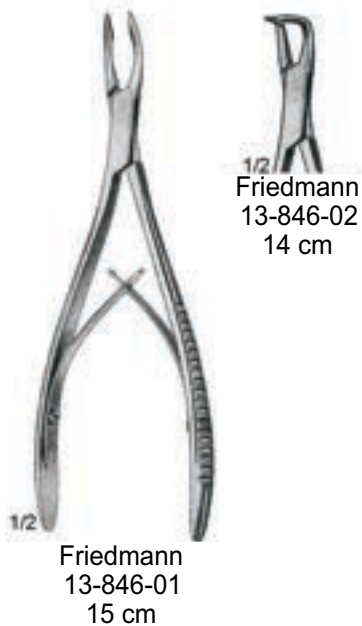
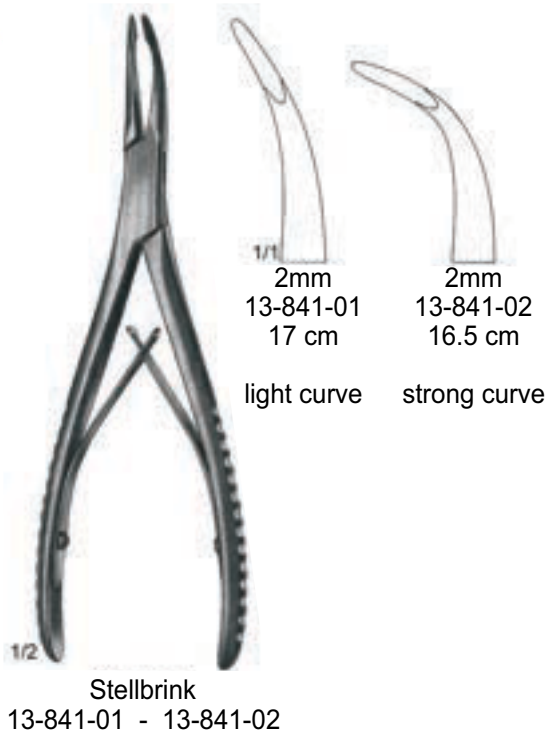
13-839-06
40.5 cm



13-839-07
34.5 cm



Ball Spike
13-839-08
30.5 cm





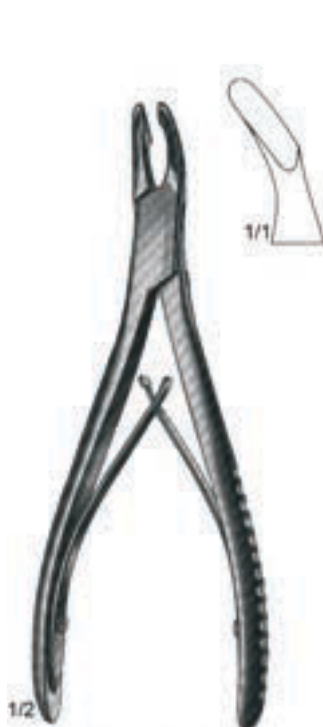
Cohen
13-849-14
14 cm



Hakansson
13-850-17
17 cm



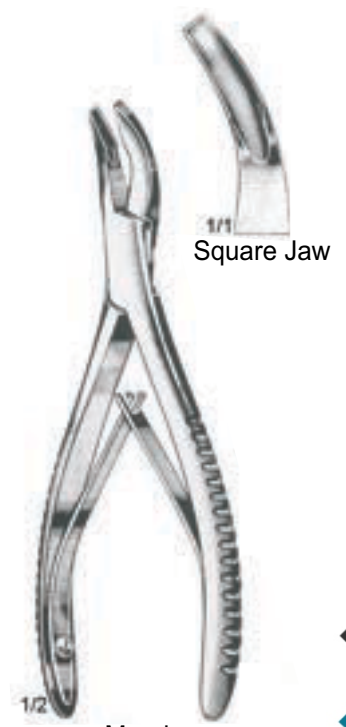
Cleveland
13-851-14
14 cm



Cleveland
13-853-17
17 cm



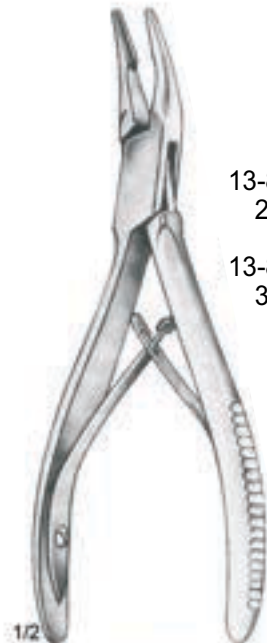
Mead
13-855-16
16.5 cm



Mead
13-856-16
16.5 cm



Beyer
13-857-18
18 cm



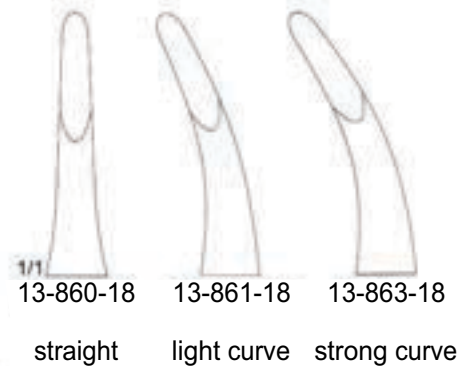
Beyer
13-858-02 - 13-858-03
17 cm



Hartmann
13-859-18
18.5 cm



Jansen
13-860-18 - 13-863-18
18 cm



13-860-18

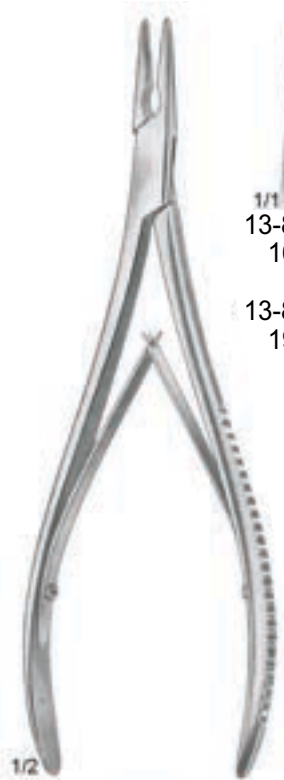
straight

13-861-18

light curve

13-863-18

strong curve



Lampert
13-864-16 - 13-865-19



13-864-19
19 cm



13-865-19
19 cm



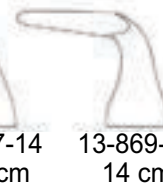
Blumenthal
13-866-15 - 13-869-14



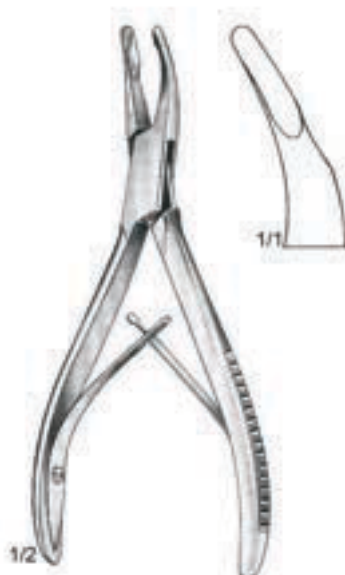
curve



45°



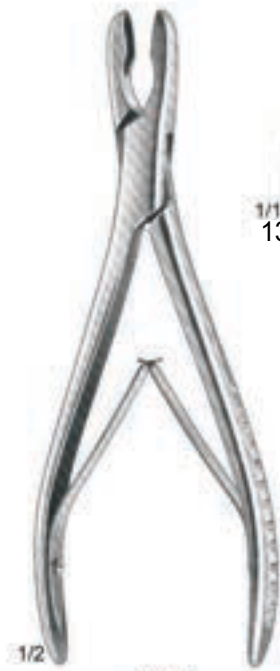
90°



Universal
13-870-13
13.5 cm



Olivecrona
13-871-20
20 cm



Luer
13-872-18 - 13-873-18
18 cm



13-872-18



13-873-18



Defourmentel
13-874-19
19 cm



Luer
13-875-15 - 13-877-15
15 cm



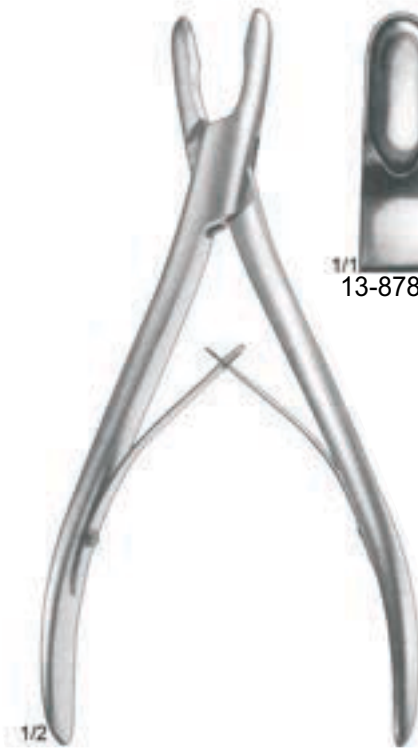
13-875-15



13-876-15



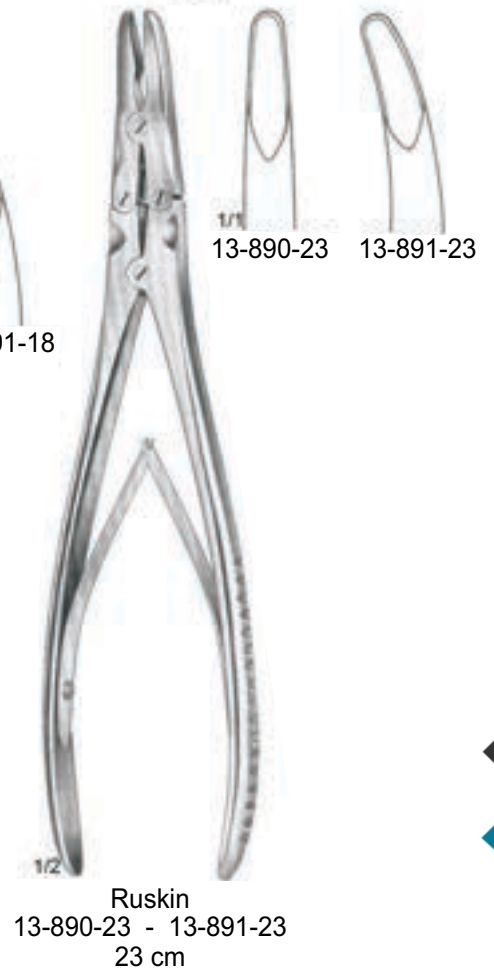
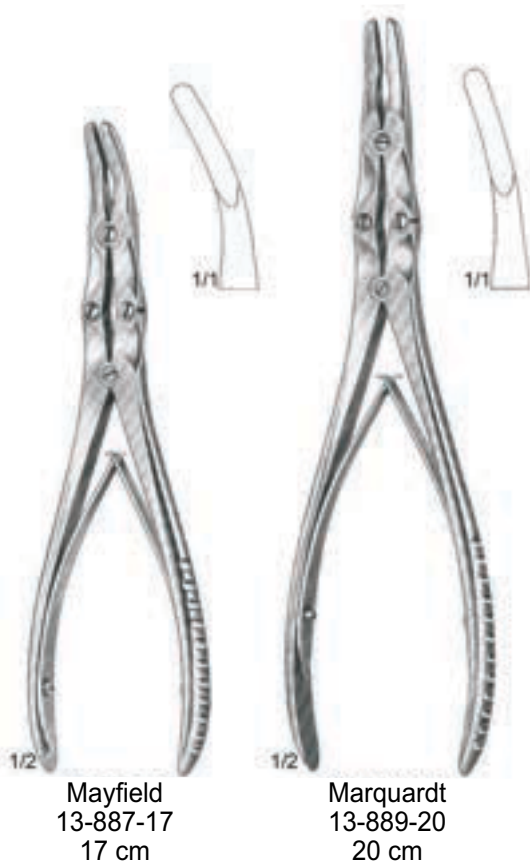
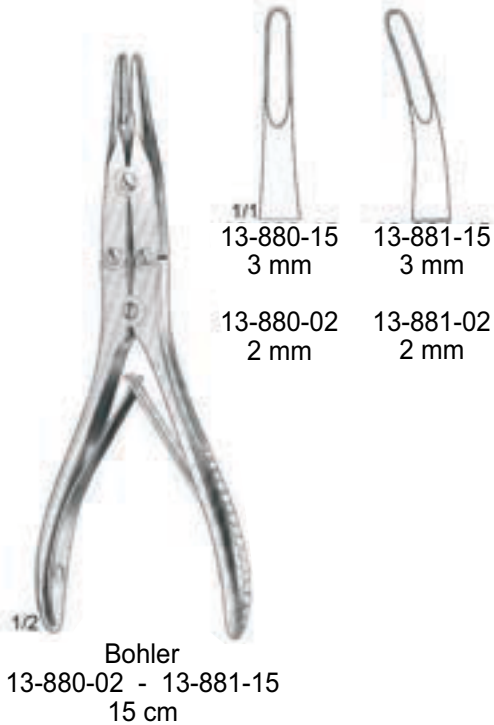
13-877-15



Adson
13-878-20 - 13-879-20
20 cm

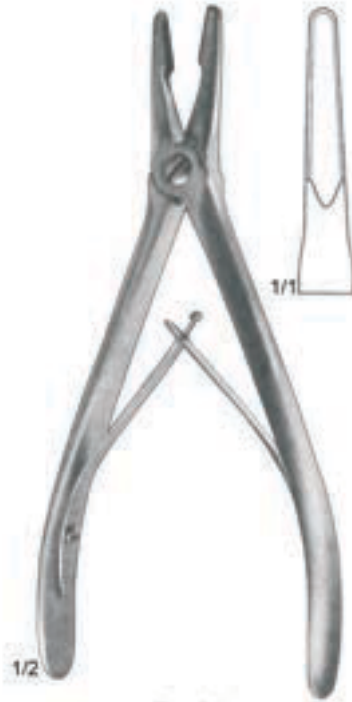


13-878-20





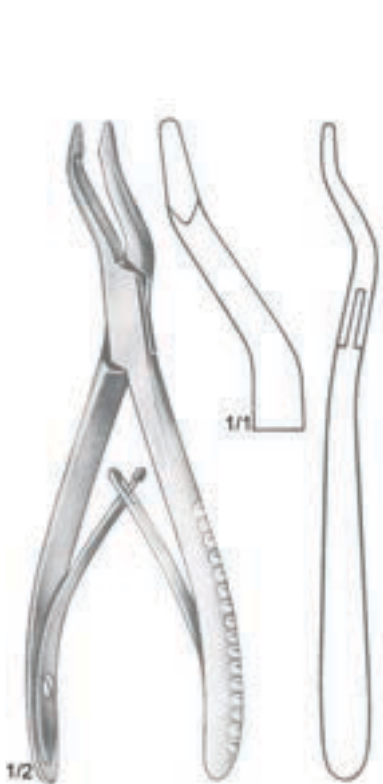
Bane
13-892-01
18 cm



Zaufal
13-892-02
18 cm



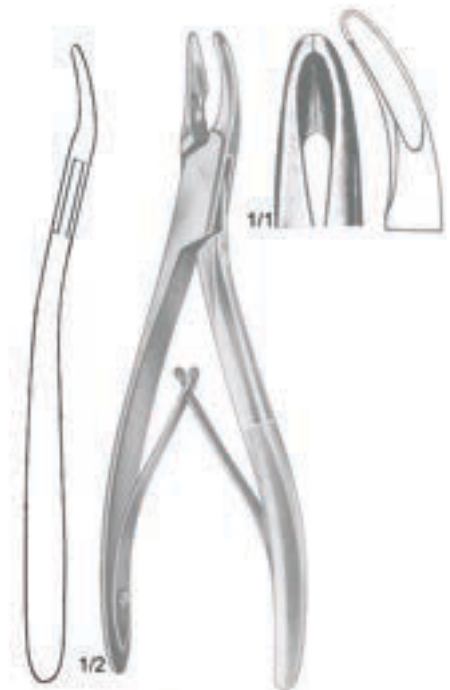
Cottle-Jansen
13-892-03
18 cm



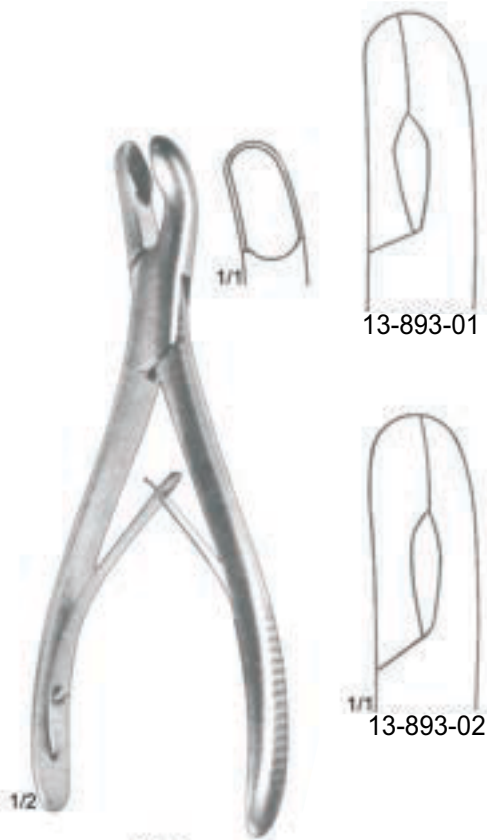
Jansen
13-892-04
19 cm



Guleke
13-892-05
20.5 cm



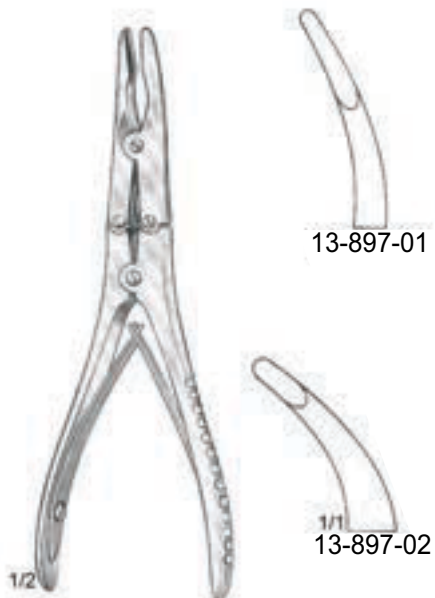
Schell
13-892-06
17 cm



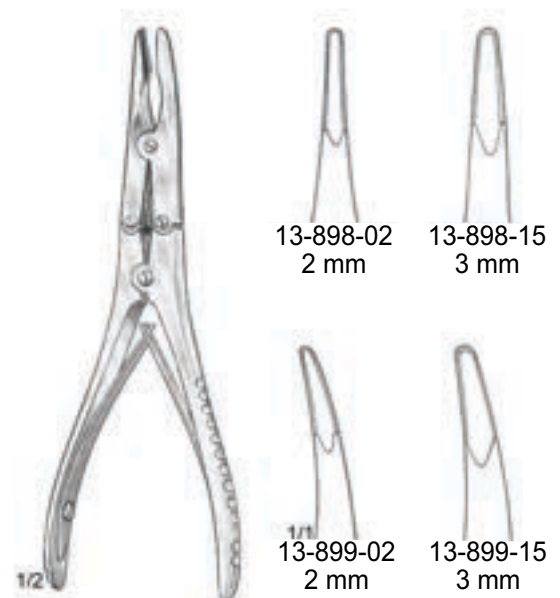
Fisch
13-893-01 - 13-893-02
17 cm



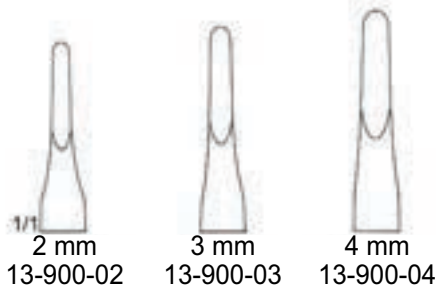
Bacon
13-894-20
20 cm



Kleinert-Kutz
13-897-01 - 13-897-02
15 cm



Ruskin-Mini
13-898-02 - 13-899-15
15 cm



Echlin
13-900-02 - 13-900-04
23 cm



Smith Petersen
13-902-01 - 13-902-03
24 cm



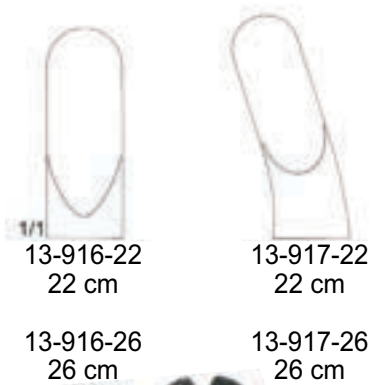


Semb
13-903-22 22.5 cm
13-903-27 27.0 cm

13-903-22



Stille
13-904-23
23 cm



Leksell-Stille
13-910-24 - 13-912-24
24 cm



Frykholm
13-914-24
24 cm



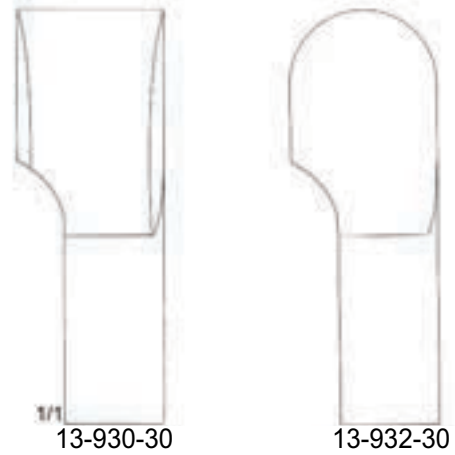
Stille-Luer
13-916-22 - 13-917-26



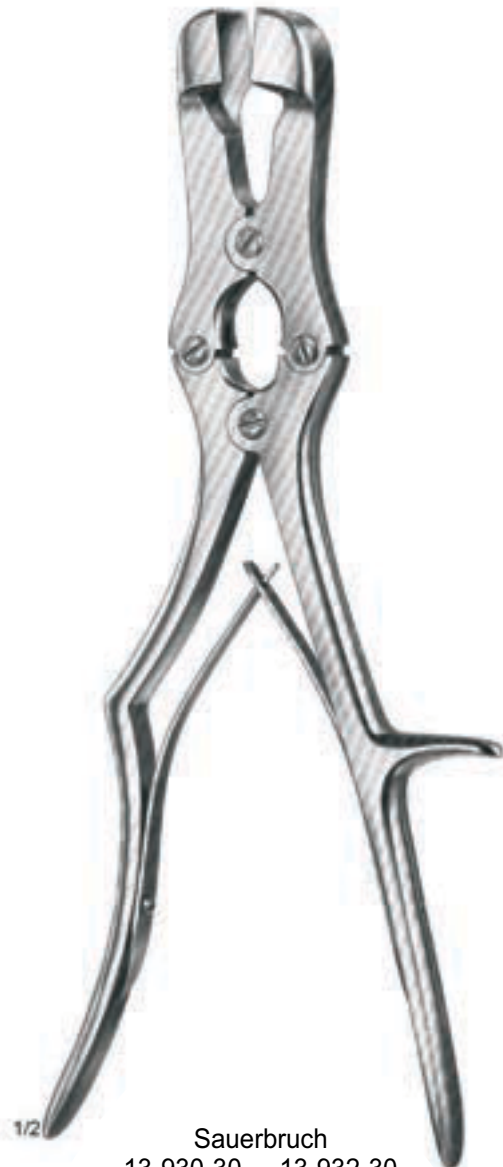
Roettgen-Ruskin
13-921-24
24 cm



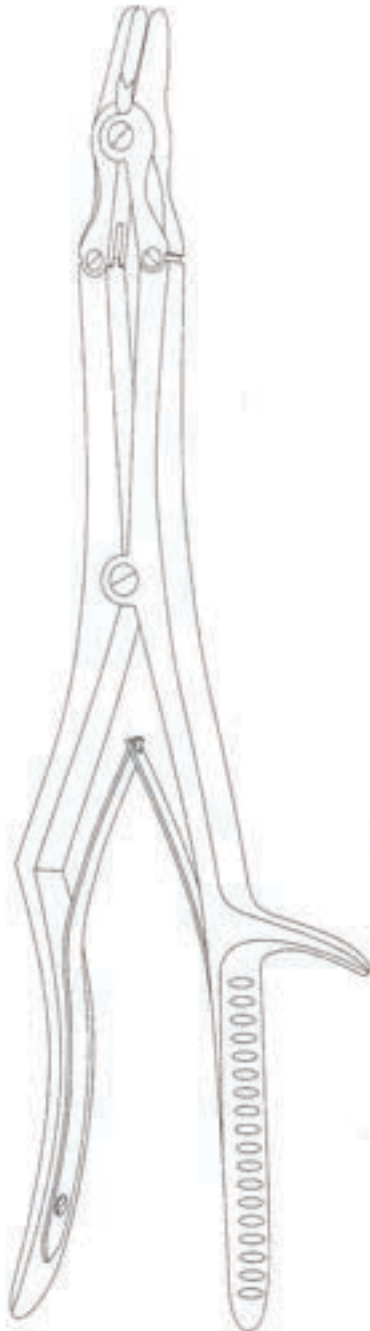
Stille-Ruskin
13-923-23
23 cm



Stille-Luer
13-926-23 - 13-927-27



Sauerbruch
13-930-30 - 13-932-30
30 cm

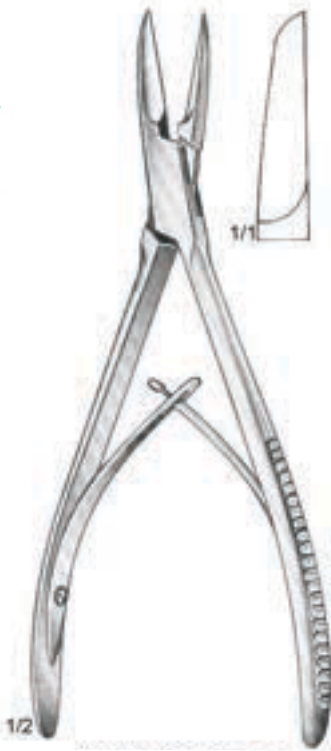


Sypt
13-936-03 - 13-936-08
35 cm

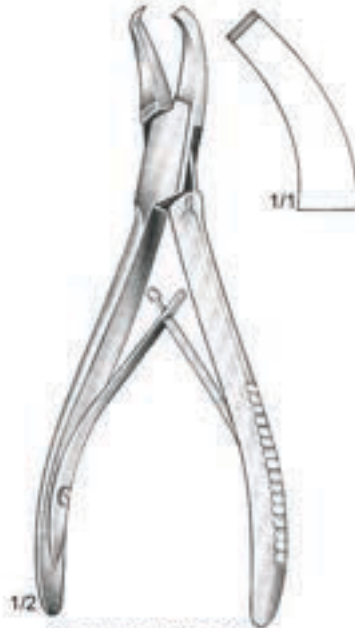


Dale
13-937-03 - 13-937-08
35 cm





Cottle Kazanjian
13-940-19
19 cm



Cleveland-Gardner
13-941-16
16 cm



Markwalder
13-943-20
20 cm



13-946-14
14 cm



13-946-17
17 cm



13-947-14
14 cm



13-947-17
17 cm



13-946-19
19 cm



13-946-22
22 cm



Liston
13-946-14 - 13-947-22



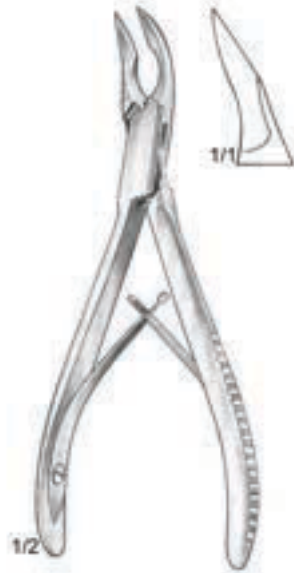
13-947-19
19 cm



13-947-22
22 cm



Littauer-Liston
13-948-15
15 cm



Cleveland
13-951-15
15 cm



Cleveland
13-951-17
17 cm



Kleinert-Kutz
13-952-15 - 13-953-15
15 cm



Ruskin-Liston
13-954-18 - 13-955-18
18 cm



13-954-18



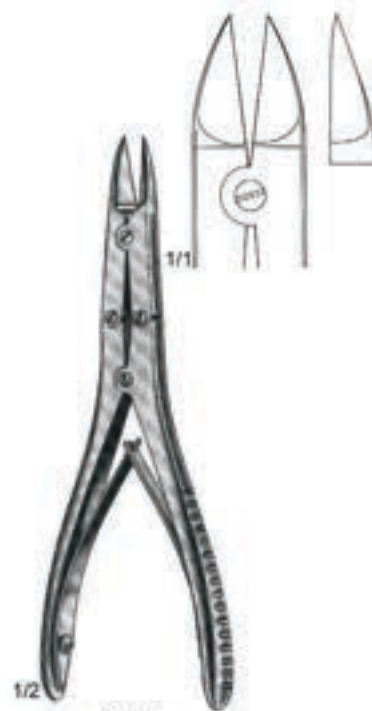
13-955-18



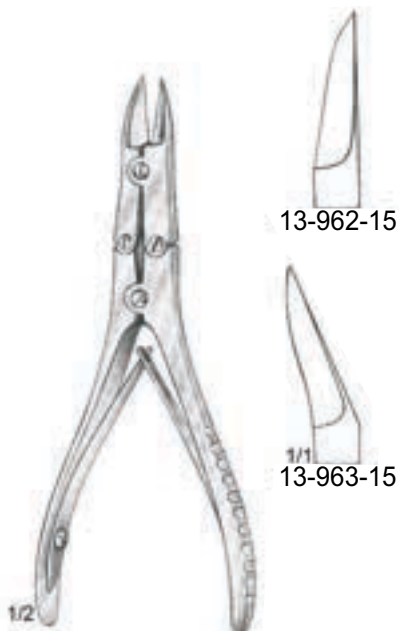
McIndoe
13-957-17
17.5 cm



Bohler
13-960-15
15 cm



Bohler
13-961-15
15 cm



Walton-Liston
13-962-15 - 13-963-15
15 cm



13-965-12
12 cm

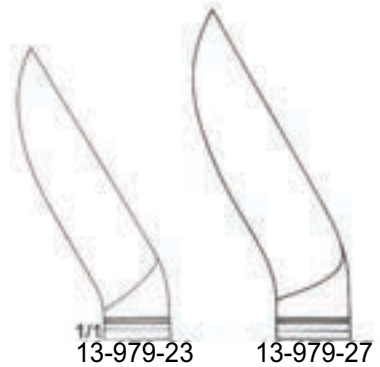
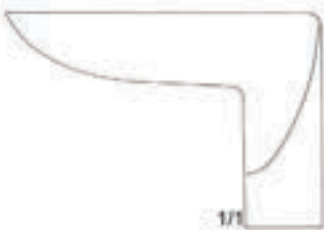


Liston-Key
 13-972-27
 27 cm

(Stille-Horsley)



Semb
 13-973-24
 24 cm



Stille-Liston
13-976-27
27 cm



Stille-Liston
13-978-23 23 cm
13-978-27 27 cm



Stille-Liston
13-978-23 23 cm
13-978-27 27 cm



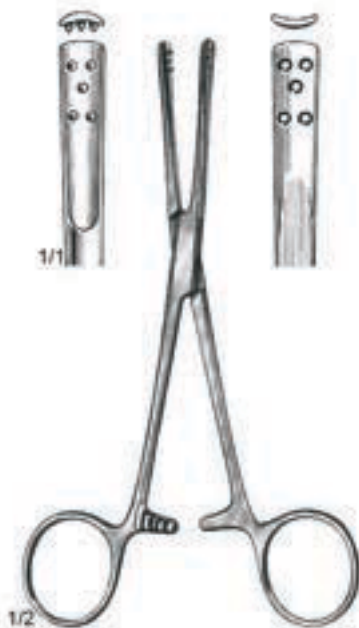
Mod. Martin
13-980-17
17 cm



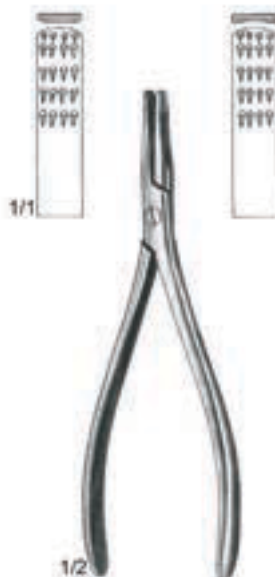
Walton
13-982-16
16 cm



13-984-17
17 cm



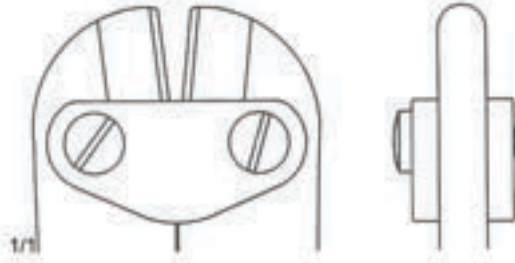
Penner
13-986-15
15.5 cm



Radolf
13-988-13
13.5 cm



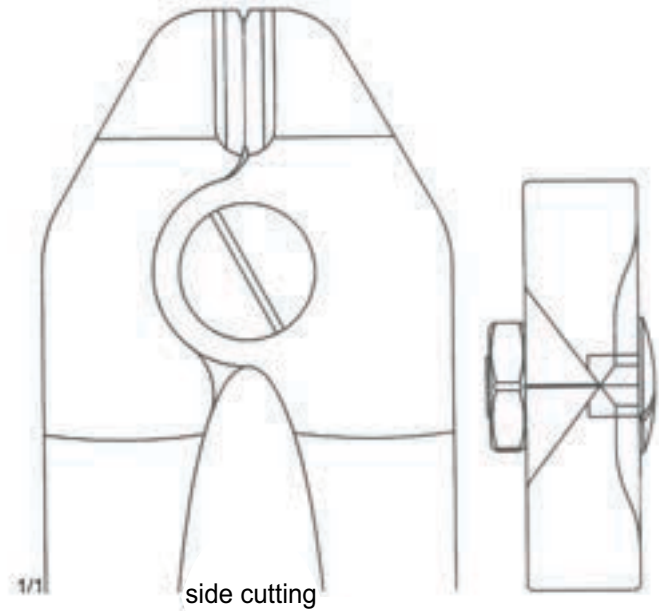
13-989-14
14.5 cm



for wires upto
Ø 3.2 mm

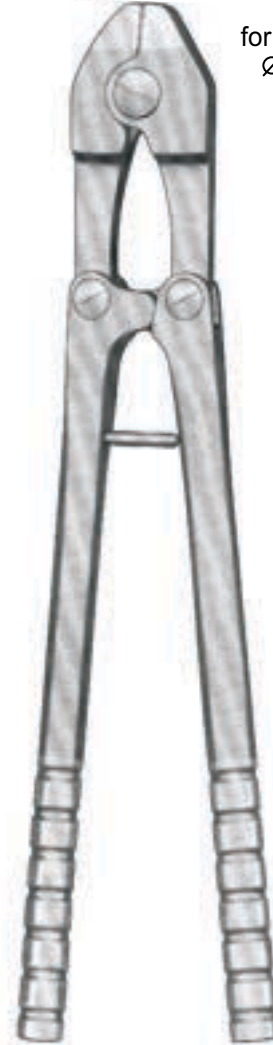


Pin Cutter Double Action
13-990-23
23 cm



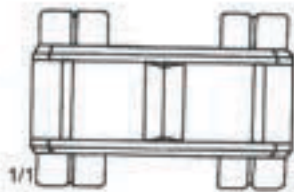
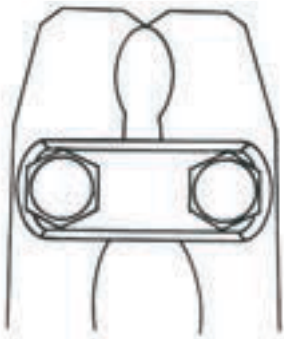
side cutting

for wires upto
Ø 4.0 mm



Side Pin Cutter - TC
13-992-37
37.5 cm

end cutting

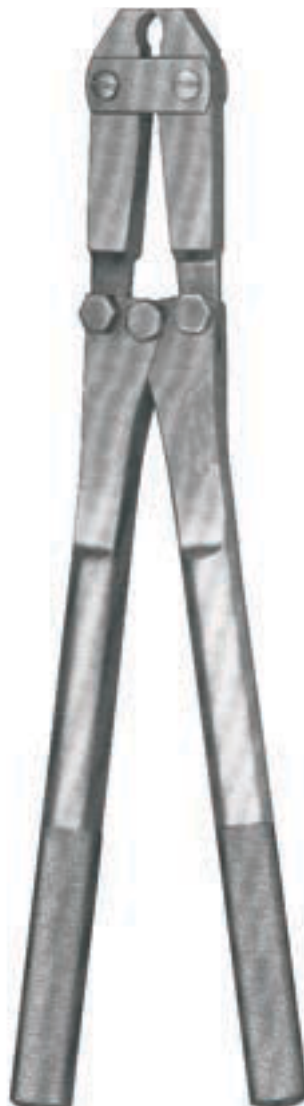


for wires upto
Ø 3.2 mm



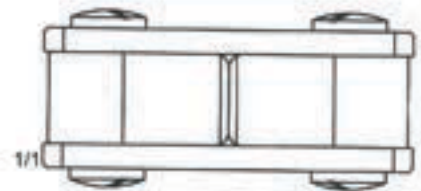
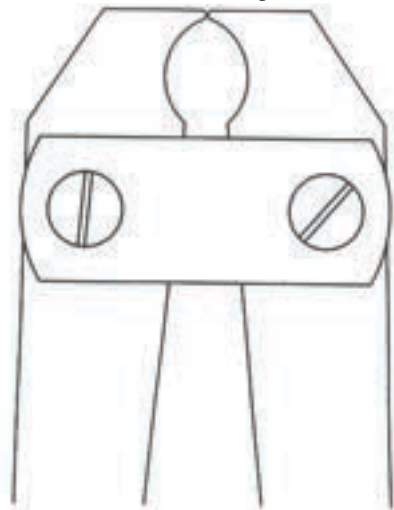
Pin Cutter (Small)
13-994-25
25 cm

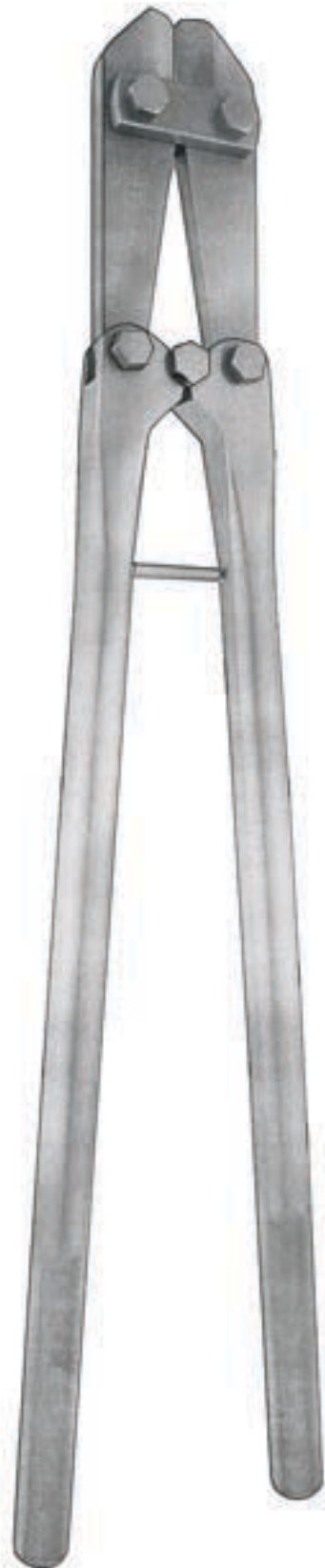
for wires upto
Ø 4.7 mm



Pin Cutter (Medium)
13-996-40
40 cm

end cutting





Pin Cutter (Large)
13-998-46 46 cm
13-998-54 54 cm

for wires upto
Ø 6.0 mm



Pin Cutter
13-999-38 - 13-999-56

		for wires upto
13-999-38	38 cm	Ø 5.0 mm
13-999-45	45 cm	Ø 6.0 mm
13-999-56	56 cm	Ø 7.5 mm

33



T - Handle
33-100-00



Handle For AO Attachment
33-110-00



Dental Handle
33-120-00



33-130-15
1.5 mm



33-130-25
2.5 mm



33-130-35
3.5 mm



AO	Ø mm	mm
33-150-11	1.1	60 / 35
33-150-15	1.5	85 / 60
33-150-20	2.0	100 / 75
33-150-25	2.5	110 / 85
33-150-27	2.7	100 / 75
33-150-32	3.2	145 / 120
33-150-35	3.5	110 / 85
33-150-45	4.5	145 / 120
33-150-60	6.0	195 / 170



AO	Ø mm
33-156-15	1.5
33-156-20	2.0
33-156-27	2.7
33-156-35	3.5
33-156-45	4.5
33-156-65	6.5



Kuntscher
33-180-08 8 mm
33-180-10 10 mm
33-180-12 12 mm
26 cm



Kuntscher
33-186-63
63 cm



Kuntscher
33-186-01
Fig 1



Kuntscher
33-186-02
Fig 2

33-188-00 (33-186-01 + 33-186-02 + 33-186-63)



Extraction Hook
33-200-29 29 cm
33-200-37 37 cm
33-200-42 42 cm
33-200-49 49 cm

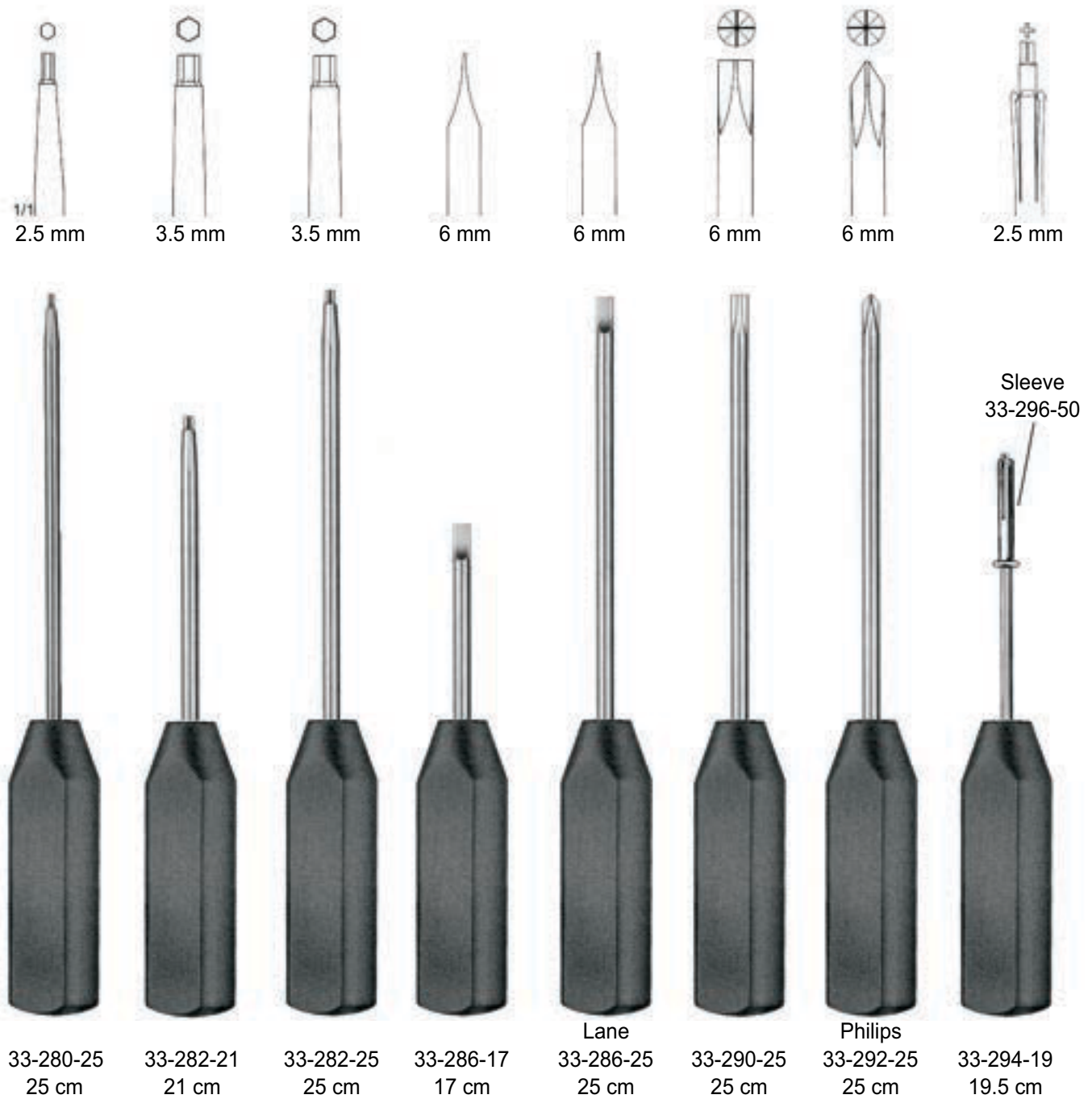


Slotted Hammer
33-210-30
30 cm



Lloyd Impactor
33-220-20
20 cm

Handle from artificial wood





Philips Head
33-300-01



Slotted Head
33-300-02



Single Head
33-300-03



Hexagonal Head
33-300-04



Williams
33-800-01 - 33-300-04
24 cm



Holding Forcep For Small Plates
33-360-12
12 cm



Screw Holding Forcep
33-374-08
8 cm



Bending Iron For Small Plates
33-390-13 33-394-01 33-394-02
13 cm 14.5 cm 14.5 cm



Bending Iron For Large Plates
33-400-24 Solid
33-402-24 Light Weight
24 cm



Bending Plier
33-410-14
14 cm



Bending Plier
33-414-14
14 cm

1.5 / 2 mm Plate



Bending Press
33-440-00



Tap & Drill Sleeve

33-500-00
2.7 / 1 mm



Tap

33-520-35 Ø 3.5 mm
33-520-45 Ø 4.5 mm
33-520-70 Ø 7.0 mm



Hexagonal Key

33-530-40 4.0 mm
33-530-45 4.5 mm
33-530-70 7.0 mm



Hexagonal Screw Driver

33-540-25 2.5 mm
33-540-35 3.5 mm



33-550-50
5 mm



Parallel Aiming Device For Guide Ø 2 mm
33-600-02



Tissue Protector Sleeve For Cannulated Screws Ø 7 mm
33-610-07

1.1 mm



Counter Sink
33-620-11

For Mini Screws
1.5 / 2 mm

2 mm



Counter Sink
33-620-20

For Small Screws
2.7 / 3.5 / 4 mm

3.2 mm



Counter Sink
33-620-32

For Malleolar Screws
4.5 mm

4.5 mm



Counter Sink With T-Handle
33-624-45

For Large Screws
4.5 / 6.5 mm



Insert Drill Sleeve
33-650-27 2.7 / 2.0 mm
33-650-35 3.5 / 2.5 mm
33-650-45 4.5 / 3.2 mm



Mini Drill Sleeve
33-660-11 1.1 / 1.5 mm
33-660-15 1.5 / 2.0 mm



Triple Drill Guide & Sleeve
33-666-20
2 mm

Sharp



Hooklet
33-680-15
15.5 cm



33-700-00
Mini



33-704-00
Small



33-708-00
Large



Pointed Drill Guide
33-740-45



Drill Guide With Two Inserts
33-744-45



Tap Sleeve 3.5 mm For Tap 2.7 mm
33-748-35



Tap & Drill Sleeve
33-752-27 2.7 / 2.0 mm
33-752-35 3.5 / 2.5 mm



Tap Sleeve For Large Cannulated Screws
33-756-45
4.5 mm



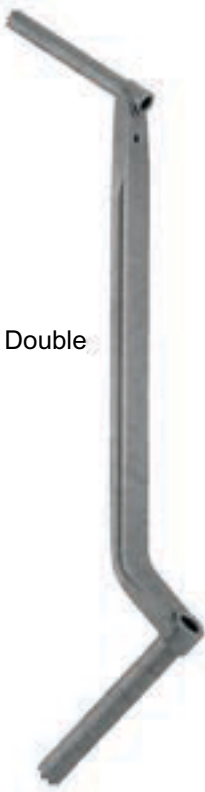
Drill Sleeve For Tension Device
33-760-32
Ø 3.2 mm



Drill Guide For Round Hole Plates For Drill Bits
33-764-40
Ø 3.2 mm



33-764-60
Ø 3.2 mm



Double

33-780-45
4.5 / 3.2 mm



Double

33-784-32
3.2 / 6.5 mm



Universal

33-790-25
2.5 mm



Universal

33-794-32
3.2 / 4.5 mm



Hub
 33-800-22
 20 mm



Ø 4.5 mm

Pin Wrench
 33-804-12
 12 cm



Spanner
 33-810-11
 11 mm



33-816-11
 11 mm



Neutral Drill Guides
33-840-20 2.0 mm
33-840-27 2.7 mm
33-840-35 3.5 mm
33-840-45 4.5 mm



Neutral Drill Guides
33-846-60 4.5 mm



Wire Tightner
33-870-01



Wire Tightner
33-870-02



Bending Iron For Wire Drills
33-880-00

Ø 6 mm



Plat Tip Bit
33-900-01

Ø 6 mm



Cross Tip Bit
33-900-02

Ø 5 mm



Philips Large
33-900-03

Ø 4 mm



Philips Small
33-900-04

Ø 3.5 mm



Hexagonal Large
33-900-05

Ø 2.5 mm



Hexagonal Small
33-900-06



Screw Driver With Bore & Quick Action Chuck
33-900-10

33-906-00 (33-900-01 - 33-900-10)
Complete

Ø 2.5 mm



Threaded Guide Pin
33-950-01
23 cm

Adjustable
135° / 140° / 145° / 150°



Aiming Device
33-950-02



Guide Wire
33-950-03



Triple Combo Reamer
33-950-04



Tap
33-950-05



Guide Sleeve
33-950-06



Long
Guide Sleeve
33-950-07



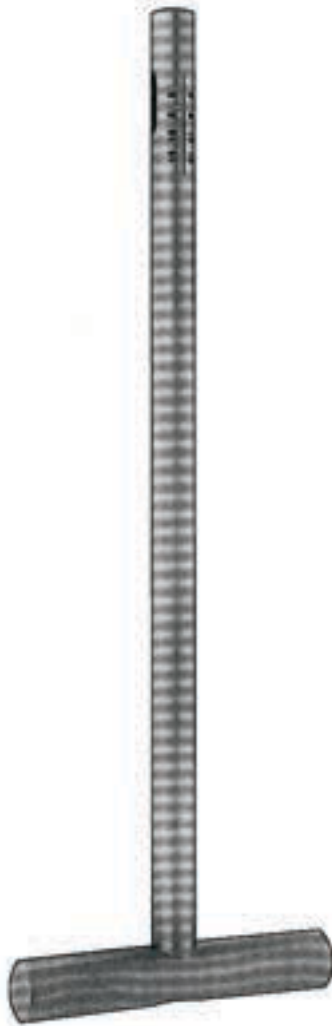
Guide Shaft
33-950-08



Guide Shaft
33-950-09



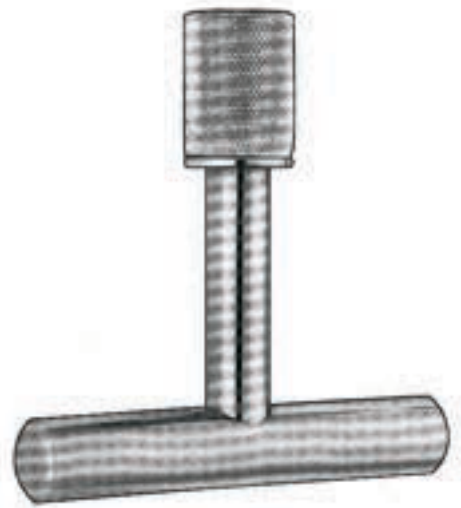
Coupling Screw
33-950-10



Wrench
33-950-11



Impactor
33-950-12



T-Handle
33-950-13



Plate Bending Plier
33-970-16
16 cm

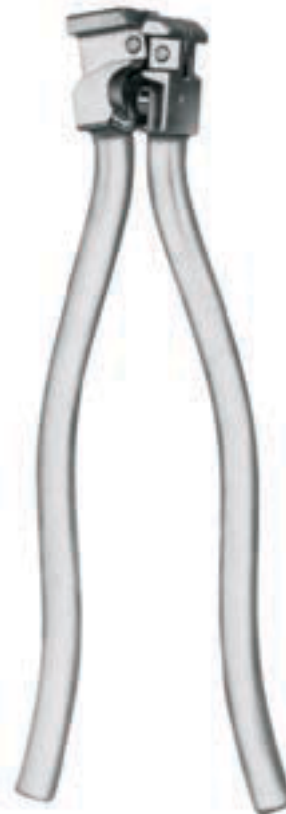


Plate Bending Plier
33-972-25
25.5 cm



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