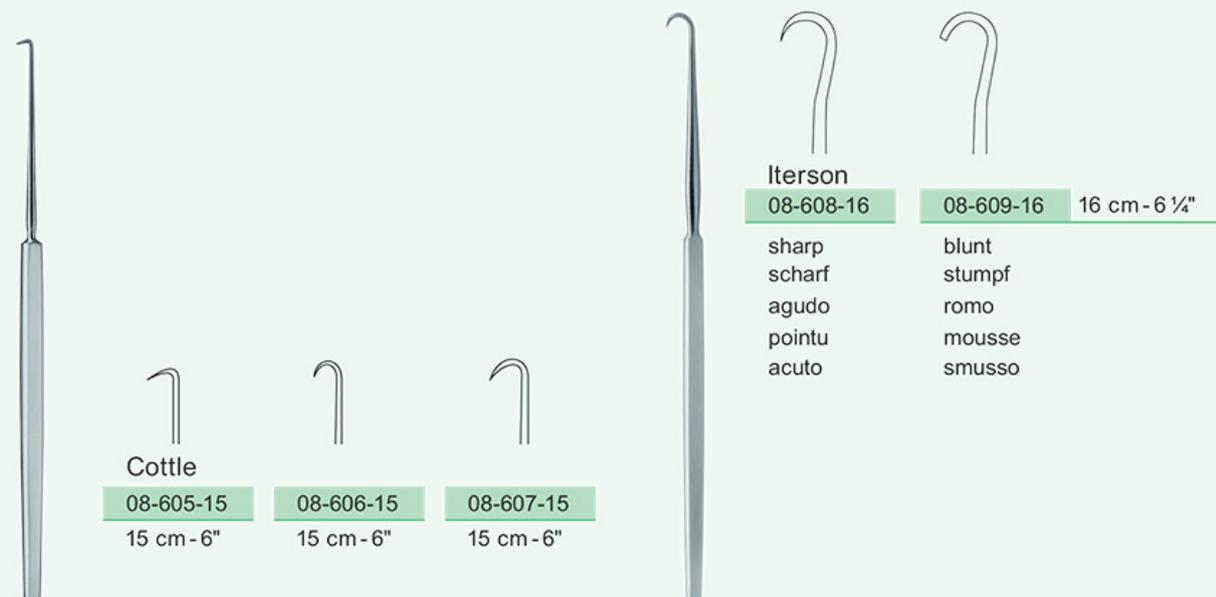
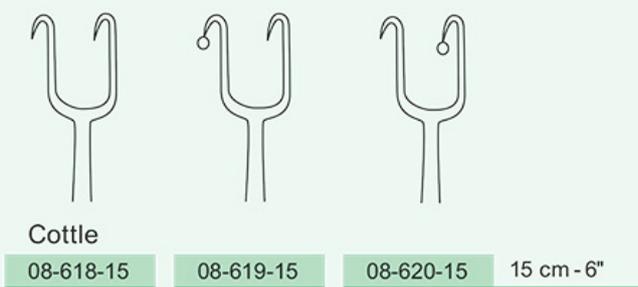
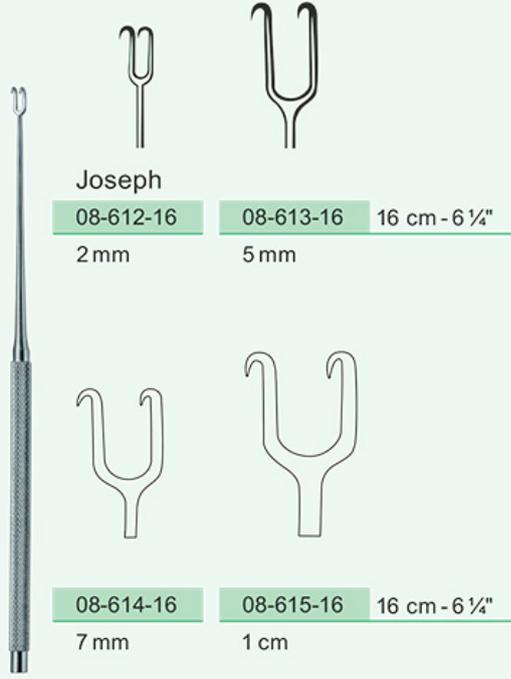


08

Retractors
Wundhaken
Separadores
Ecarteurs
Divaricatori







Cottle
 08-622-15



Cottle - Modified
 08-623-15 15 cm - 6"



Aufricht
 08-624-19
 19 cm - 7 ½"



Kilner
 08-625-10
 10 cm - 4"



Converse
 08-626-12
 12 cm - 4 ¾"



Jackson
 08-627-15
 15 cm - 6"



Lukens
 08-628-17
 17 cm - 6 ¾"
 blunt
 stumpf
 romo
 mousse
 smusso



Jackson
08-629-17
17 cm - 6 ¾"



Jackson	08-630-18	08-631-18	18 cm - 7"
stumpf		scharf	
blunt		sharp	
mousse		pointu	
romo		agudo	
smusso		acuto	



Rose
08-632-13
13 cm - 5"



Luer
08-633-11
11 cm - 4 ¼"



Schoenborn
08-634-21
21 cm - 8 ¼"



Emmet

08-635-22

Fig.1



08-636-22

Fig.2



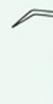
08-637-22

Fig.3



08-638-22

Fig.4



08-639-22

Fig.5

22 cm - 8 3/4"



Davidson

08-640-16

sharp
scharf
agudo
pointu
acuto



08-641-16



08-642-16



08-643-16

16 cm - 6 1/4"



08-644-16

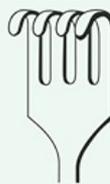
blunt
stumpf
romo
mousse
smusso



08-645-16



08-646-16



08-647-16

16 cm - 6 1/4"



Flexi

08-648-16A

flexible, sharp
flexibel, scharf
flexible, agudo
flexible, pointu
flessibile, acuto



08-648-16



08-649-16



08-650-16

16 cm - 6 1/4"



08-651-16A

flexible, blunt
flexibel, stumpf
flexible, romo
flexible, mousse
flessibile, smusso



08-651-16



08-652-16



08-653-16

16 cm - 6 1/4"



Desmarres

08-654-16

x = 8 mm



08-655-16

x = 1 cm



08-656-16

x = 1.2 cm

16 cm - 6 1/4"



08-657-16

x = 1.4 cm



08-658-16

x = 1.6 cm



08-659-16

x = 1.8 cm

16 cm - 6 1/4"



Knapp
(Rollet)

08-660-16

16 cm - 6 1/4"

flexibel, scharf
flexible, sharp
flexible, pointu
flexible, agudo
flessibile, acuto



Mini-Langenbeck

08-661-16
10 mm x 6 mm



08-662-16
17 mm x 5 mm



08-663-16
20 mm x 6 mm



08-664-16 16 cm - 6 1/4"
22 mm x 8 mm



Kocher

08-665-22



08-666-22



08-667-22



08-668-22



08-669-22



08-670-22



08-671-22

22 cm - 8 3/4"

sharp
scharf
agudo
pointu
acuto



08-672-22



08-673-22



08-674-22



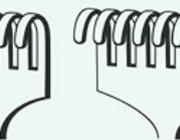
08-675-22



08-676-22



08-677-22



08-678-22

22 cm - 8 3/4"

blunt
stumpf
romo
mousse
smusso



08-679-22



08-680-22



08-681-22



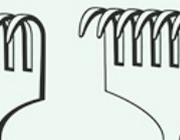
08-682-22



08-683-22



08-684-22



08-685-22

22 cm - 8 3/4"

semi-sharp
halbscharf
semi-agudo
semi-pointu
semi-acuto



Volkman

08-686-21

sharp
scharf
agudo
pointu
acuto



08-687-21



08-688-21



08-689-21



08-690-21

21.5 cm - 8 1/2"



08-691-21

blunt
stumpf
romo
mousse
smusso



08-692-21



08-693-21



08-694-21



08-695-21

21.5 cm - 8 1/2"



08-696-21

semi-sharp
halbscharf
semi-agudo
semi-pointu
semi-acuto



08-697-21



08-698-21

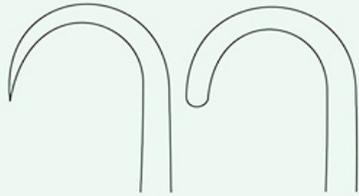


08-699-21



08-700-21

21.5 cm - 8 1/2"



Volkman

08-701-21

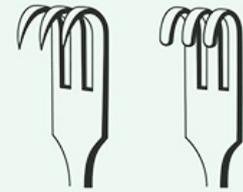
21.5 cm - 8 ½"

sharp
scharf
agudo
pointu
acuto

08-702-21

21.5 cm - 8 ½"

blunt
stumpf
romo
mousse
smusso



Senn-Mueller

08-703-16

16 cm - 6 ¼"

sharp
scharf
agudo
pointu
acuto

08-704-16

16 cm - 6 ¼"

blunt
stumpf
romo
mousse
smusso



Kilner

08-705-15

13 mm x 5 mm
15.5 cm - 6"



**Strandell-
Stille**

08-706-19

20 mm x 6 mm

08-707-19

20 mm x 6 mm

saw edge
gezahnt
dentado
dentelé
dentato

19 cm - 7 ½"



Senn-Green

08-708-15

20 mm x 6 mm
15 cm - 6"

08-709-15

10 mm x 6 mm
15 cm - 6"



8 mm x 4 mm

Ragnell-
Davis

08-710-14

14 cm - 5 1/2"

15 mm x 5,5 mm



Cottle

08-711-15

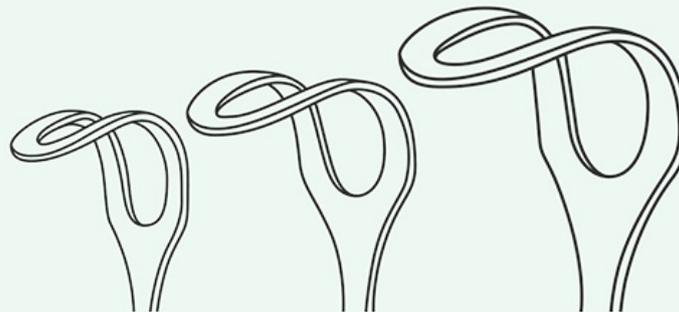
15 cm - 6"



Crile

08-712-11

11 cm - 4 1/4"



Middeldorp

08-713-21

1.4 cm x 1.7 cm

21.5 cm - 8 1/2"

08-714-22

2 cm x 2.2 cm

22 cm - 8 3/4"

08-715-23

2.6 cm x 3 cm

23.5 cm - 9 1/4"



Meyerding

08-716-18

18 mm x 7 mm



08-717-18

18 cm - 7"

10 mm x 3 mm



08-718-18

16 mm x 5 mm



08-719-18

18 cm - 7"

7 mm x 4 mm



08-720-18

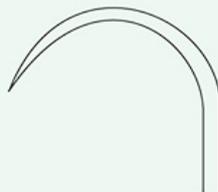
10 mm x 4 mm



08-721-18

18 cm - 7"

7 mm x 4 mm

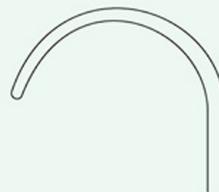


Koerte

08-722-23

26 mm x 40 mm

sharp
scharf
agudo
pointu
acuto



08-723-23

23.5 cm - 9 1/4"

26 mm x 40 mm

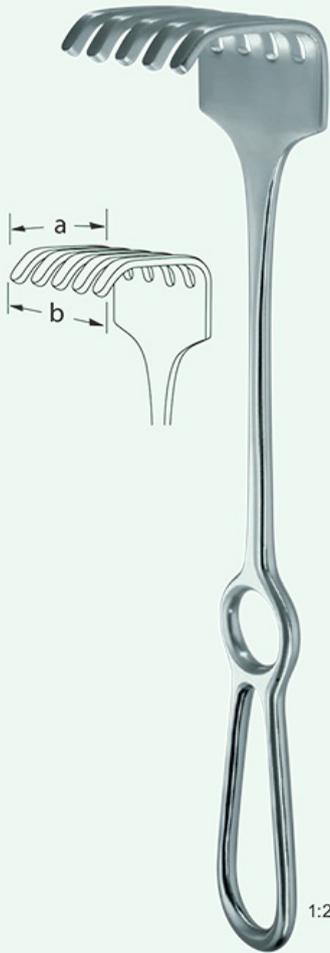
blunt
stumpf
romo
mousse
smusso



Green

08-724-21

21.5 cm - 8 1/2"



Israel

08-725-25

a = 4 cm – b = 4 cm

- 4 Teeth
- 4 Zähne
- 4 Dientes
- 4 Dents
- 4 Denti

08-726-25

25 cm - 9 3/4"

a = 4.5 cm – b = 5 cm

- 5 Teeth
- 5 Zähne
- 5 Dientes
- 5 Dents
- 5 Denti

08-727-25

a = 5 cm – b = 6 cm

- 6 Teeth
- 6 Zähne
- 6 Dientes
- 6 Dents
- 6 Denti

08-728-25

25 cm - 9 3/4"

a = 7 cm – b = 7 cm

- 6 Teeth
- 6 Zähne
- 6 Dientes
- 6 Dents
- 6 Denti

1:2



Langenbeck

08-729-22

Fig.1

3 cm x 1.1 cm

- semi-sharp
- halbscharf
- semi-agudo
- semi-pointu
- semi-acuto

08-730-22

Fig.2

3 cm x 1.4 cm

08-731-22

22 cm - 8 3/4"

Fig.3

3 cm x 1.6 cm

08-732-22

Fig.4

4 cm x 1.1 cm

08-733-22

22 cm – 8 3/4"

Fig.5

5 cm x 1.1 cm



Langenbeck

08-734-21

Fig.1
3 cm x 1.1 cm
blunt



08-735-21

Fig.2
3 cm x 1.4 cm
blunt



08-736-21

21 cm - 8 ¼"

Fig.3
3 cm x 1.6 cm
blunt



08-737-21

Fig.4
4 cm x 1.1 cm
blunt



08-738-21

21 cm - 8 ¼"

Fig.5
5 cm x 1.1 cm
blunt



Kocher-Langenbeck (Obwegeser)

08-739-21

2.5 cm x 7 mm



08-740-21

3.5 cm x 8 mm



08-741-21

3.5 cm x 1.1 cm



08-742-21

3.5 cm x 1.5 cm

21.5 cm - 8 ½"



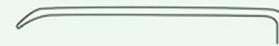
08-743-21

4.2 cm x 1 cm



08-744-21

5.5 cm x 1.2 cm



08-745-21

7 cm x 1.4 cm

21.5 cm - 8 ½"



08-746-21

8 cm x 1.2 cm



08-747-21

8 cm x 1.6 cm

21.5 cm - 8 ½"



Cushing

08-748-20

08-748-24

x = 8 mm



08-749-20

08-749-24

x = 1 cm



08-750-20

08-750-24

x = 1.2 cm



08-751-20

08-751-24

x = 1.4 cm



08-752-20

08-752-24

x = 1.6 cm



08-753-20

08-753-24

x = 1.8 cm

20 cm - 8"

24 cm - 9 ½"



Obwegeser

08-754-22

4.2 cm x 1.3 cm

08-755-22

22 cm - 8 ¾"

6 cm x 1.2 cm

08-756-22

22 cm - 8 ¾"

8 cm x 1.6 cm



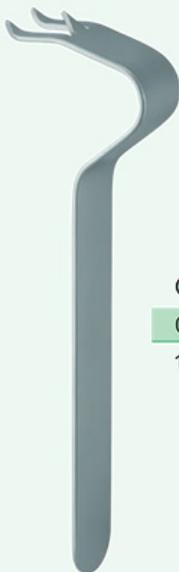
Obwegeser

08-757-22

4.4 cm x 9,5 mm

08-758-22 22 cm - 8 3/4"

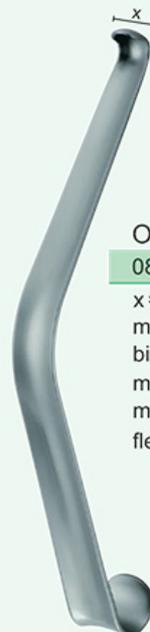
7 cm x 1,5 cm



Obwegeser

08-759-15

15.5 cm - 6"



Obwegeser

08-760-16

x = 8 mm

malleable

biegsam

maleable

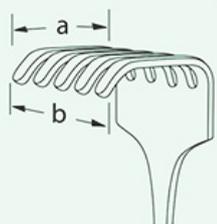
malléable

flessibile

08-761-16

x = 1 cm

16 cm - 6 1/4"



Ollier
08-762-22
a = 3.6 cm b = 3 cm
Fig. 1



08-763-22 22.5 cm - 8 ¾"
a = 3.6 cm b = 6 cm
Fig. 2



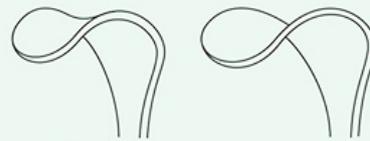
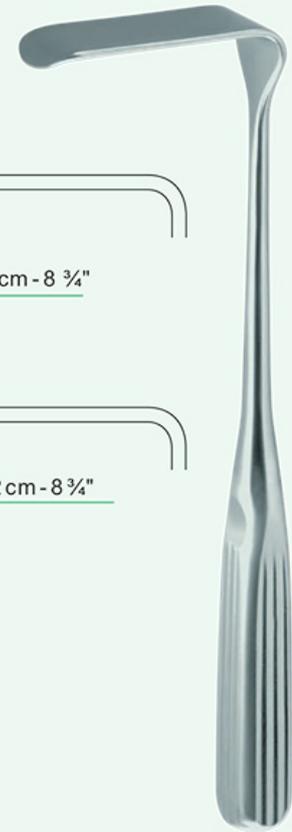
Kocher
08-764-21 08-765-21
5.5 cm x 1.1 cm 4 cm x 1.2 cm
21 cm - 8 ¼" 21 cm - 8 ¼"



Langenbeck
08-766-21 21 cm - 8 ¼"
6 cm x 2 cm

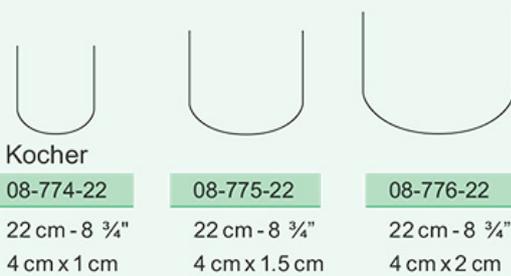


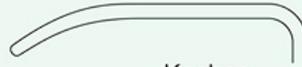
Langenbeck
08-767-21 21 cm - 8 ¼"
8.5 cm x 1.5 cm
Handle vertical to the blade
Griff vertikal zum Blatt
Mango vertical a la hoja
Poignée verticale à la lame
Manico verticale verso la lama



Kocher
08-772-19
1.9 cm x 1.2 cm

08-773-19 19 cm - 7 ½"
2.1 cm x 1.4 cm





Kocher
08-777-23

4 cm x 1.8 cm



08-778-22 23 cm - 9"

6 cm x 2 cm



08-779-22

6 cm x 2.5 cm



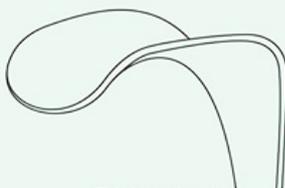
08-780-22 23 cm - 9"

7.5 cm x 3 cm



08-781-22 23 cm - 9"

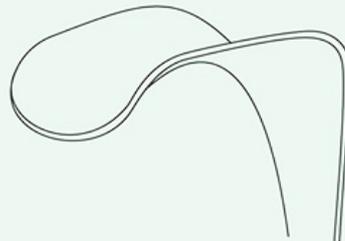
7.5 cm x 4 cm



Richardson

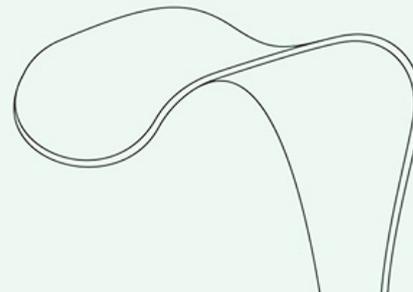
08-782-24

2.8 cm x 2 cm



08-783-24

3.6 cm x 2.8 cm



08-784-24 24 cm - 9 1/2"

4.4 cm x 3.8 cm





Richardson-Eastman

08-785-00

Set of 2

Satz

Juego

Jeu

Serie

08-785-28

28 cm - 11"

49 mm x 38 mm

63 mm x 49 mm

Fig.1

08-786-26

26 cm - 10 ¼"

36 mm x 28 mm

28 mm x 20 mm

Fig.2



Richardson

08-787-24

24 cm - 9 ½"

52 mm x 22 mm



Kelly

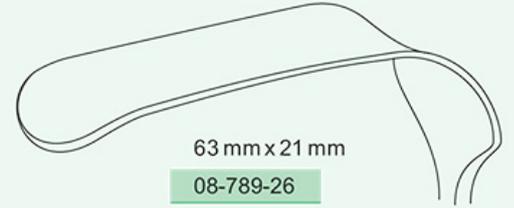
08-788-26

26 cm - 10 ¼"

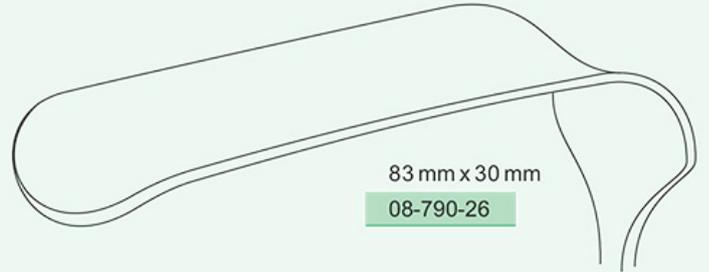
65 mm x 50 mm



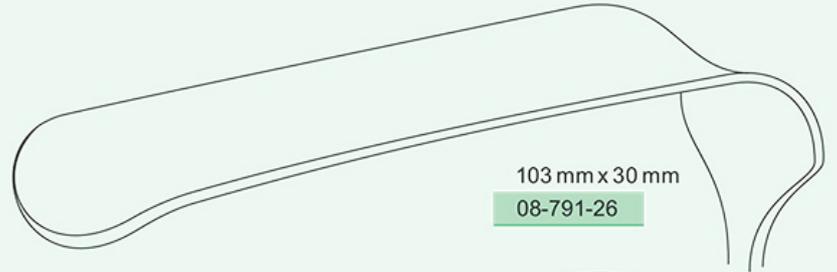
Hoesel
26 cm - 10 1/4"



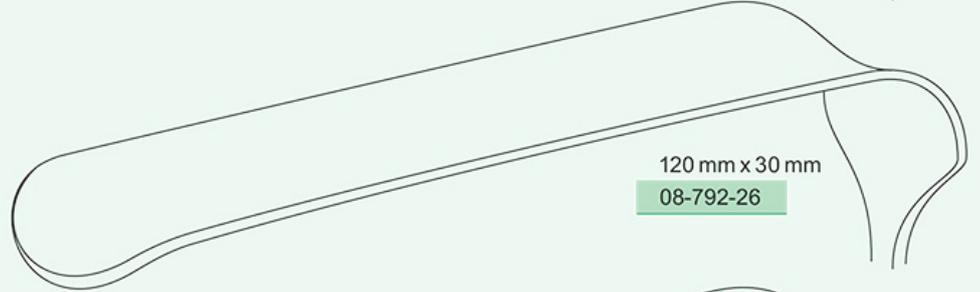
63 mm x 21 mm
08-789-26



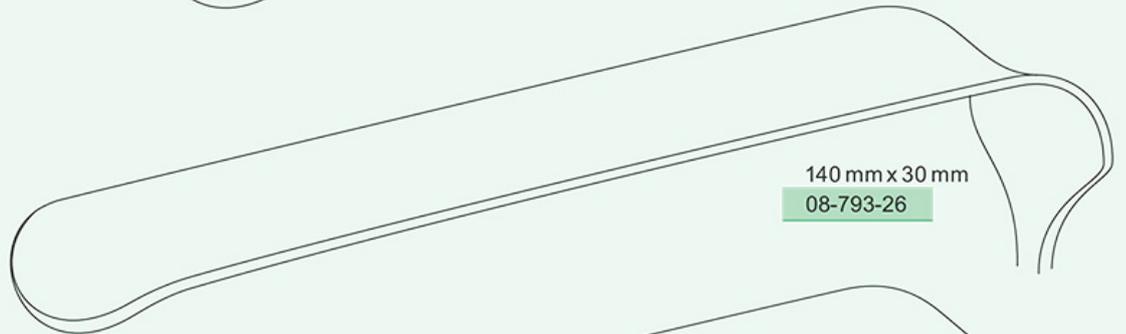
83 mm x 30 mm
08-790-26



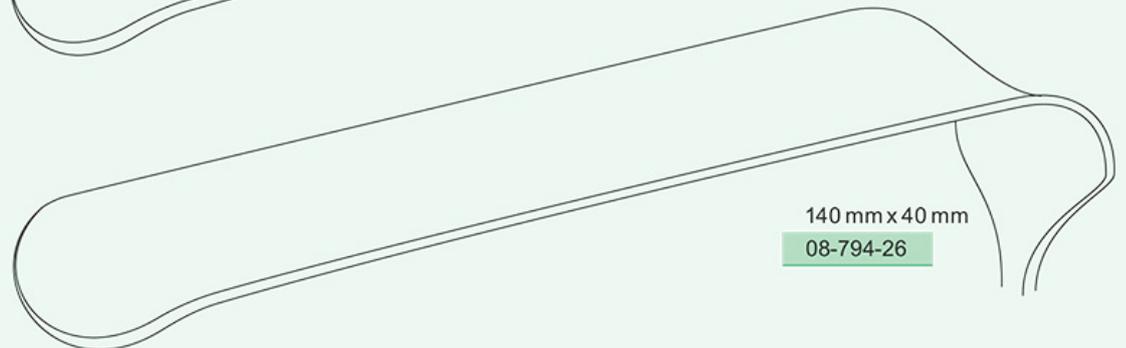
103 mm x 30 mm
08-791-26



120 mm x 30 mm
08-792-26



140 mm x 30 mm
08-793-26



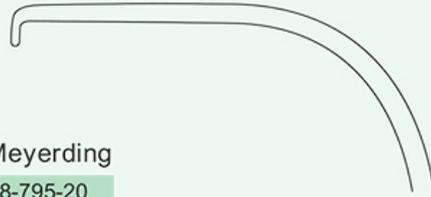
140 mm x 40 mm
08-794-26



Meyerding

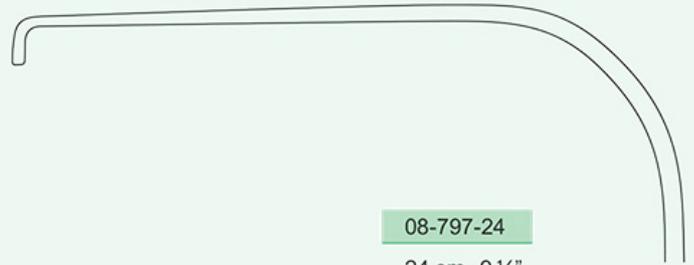
08-795-20

20 cm - 8"
50 mm x 16 mm



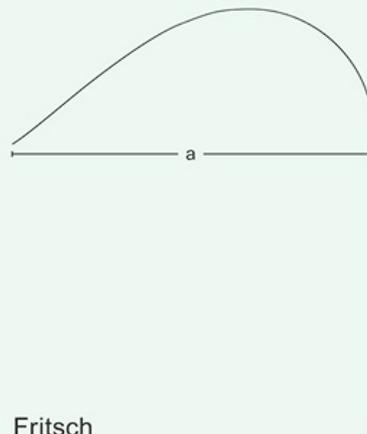
08-796-22

22 cm - 8 3/4"
75 mm x 25 mm



08-797-24

24 cm - 9 1/2"
90 mm x 50 mm



Fritsch

08-798-23	23.5 cm - 9 1/4"	a = 37 mm - b = 31 mm
08-798-24	24 cm - 9 1/2"	a = 38 mm - b = 40 mm
08-798-25	25 cm - 9 3/4"	a = 43 mm - b = 51 mm
08-798-25B	25 cm - 9 3/4"	a = 49 mm - b = 61 mm
08-799-25	25.5 cm - 10"	a = 48 mm - b = 75 mm
08-800-26	26.5 cm - 10 1/2"	a = 65 mm - b = 85 mm



Simon

08-801-28

08-802-28

28 cm - 11"

115 mm x 22 mm

115 mm x 27 mm



Harrington

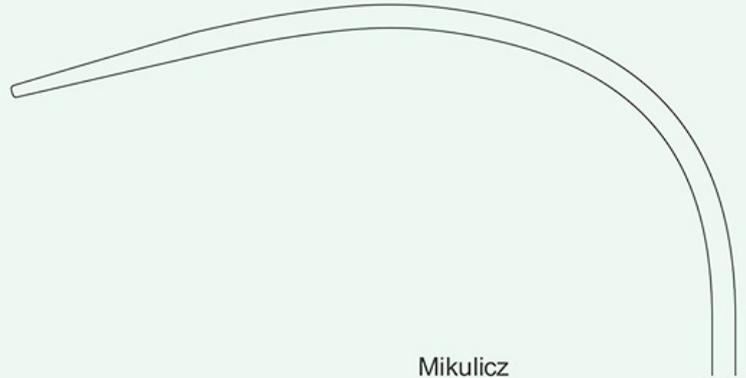
08-803-32

08-804-32

32 cm - 12 ½"

127 mm x 40 mm

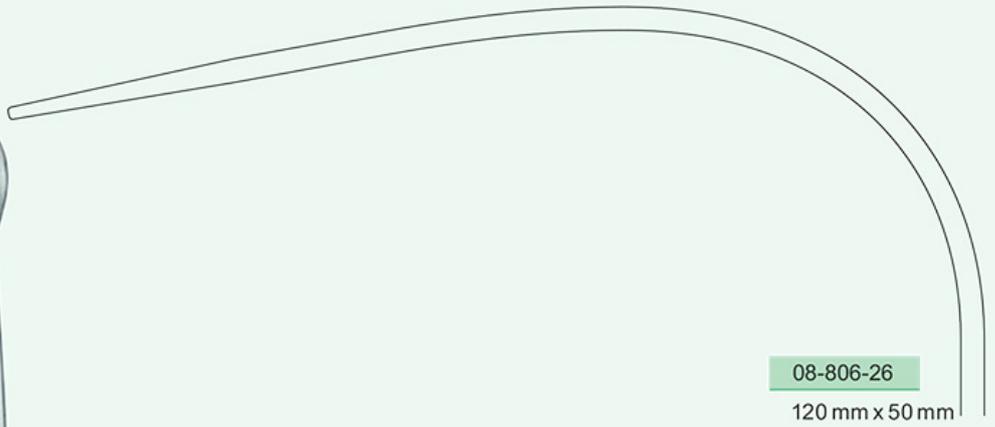
127 mm x 62 mm



Mikulicz

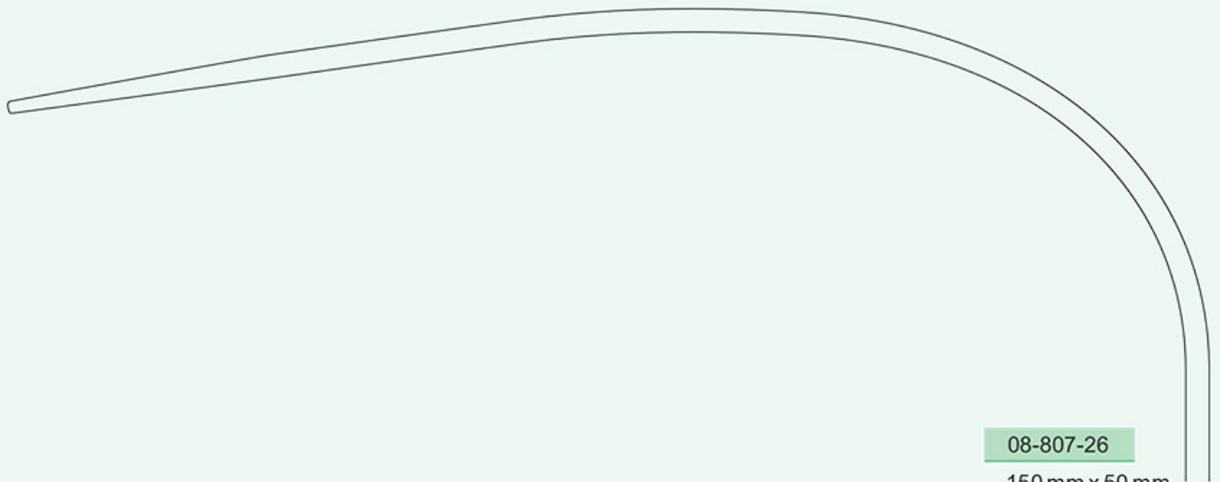
08-805-26 26 cm - 10 1/4"

95 mm x 35 mm



08-806-26

120 mm x 50 mm



08-807-26

150 mm x 50 mm



Mikulicz

08-808-26

26 cm - 10 1/4"

90 mm x 50 mm



Davidson

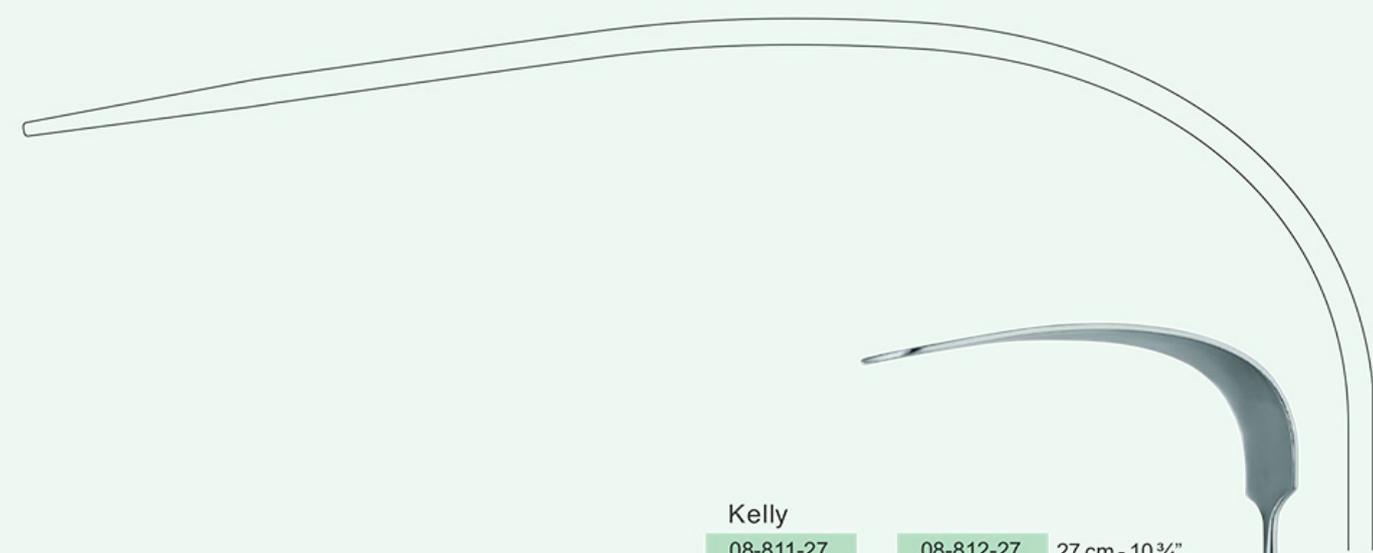
08-809-16

a = 75 mm - b = 50 mm

08-810-16

16 cm - 6 1/4"

a = 75 mm - b = 90 mm



Kelly

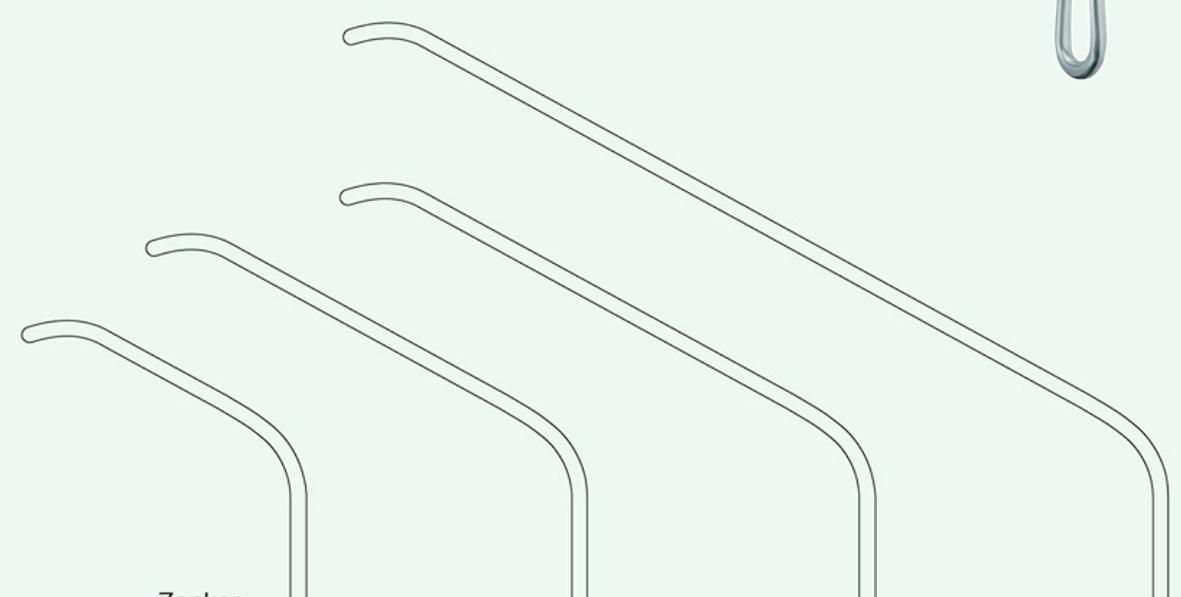
08-811-27

190 mm x 38 mm

08-812-27

190 mm x 57 mm

27 cm - 10 3/4"



Zenker

08-813-25

25 cm - 9 3/4"

35 mm x 8 mm

08-814-26

26 cm - 10 1/4"

60 mm x 12 mm

08-815-27

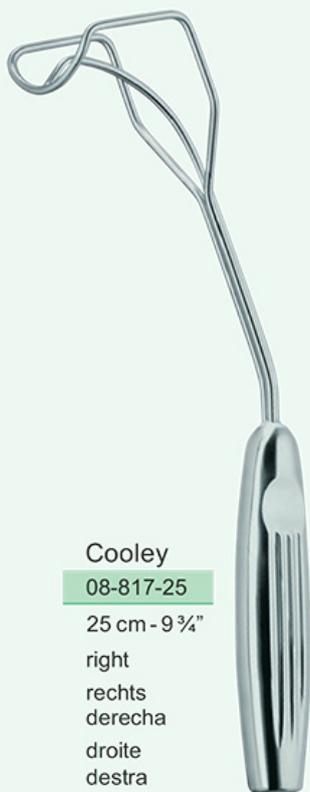
27.5 cm - 10 3/4"

75 mm x 12 mm

08-816-29

29 cm - 11 1/2"

120 mm x 12 mm



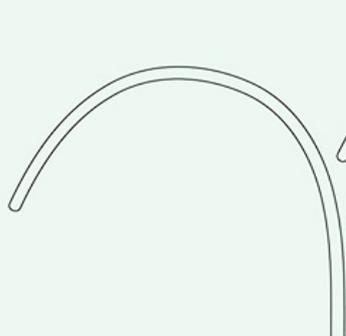
Cooley
08-817-25
25 cm - 9 3/4"
right
rechts
derecha
droite
destra



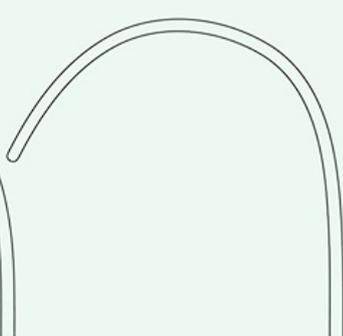
08-818-25
25 cm - 9 3/4"
right, serrated
rechts, gerieft
derecha, estriada
droite, strié
destra, zigrinato



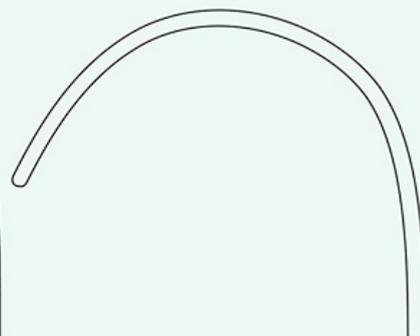
08-819-27
27 cm - 10 1/2"
left
links
izquierda
gauche
sinistra



Middeldorpf
08-820-25
45 mm x 45 mm



08-821-25
45 mm x 50 mm



08-822-25 25.5 cm - 10"
55 mm x 70 mm



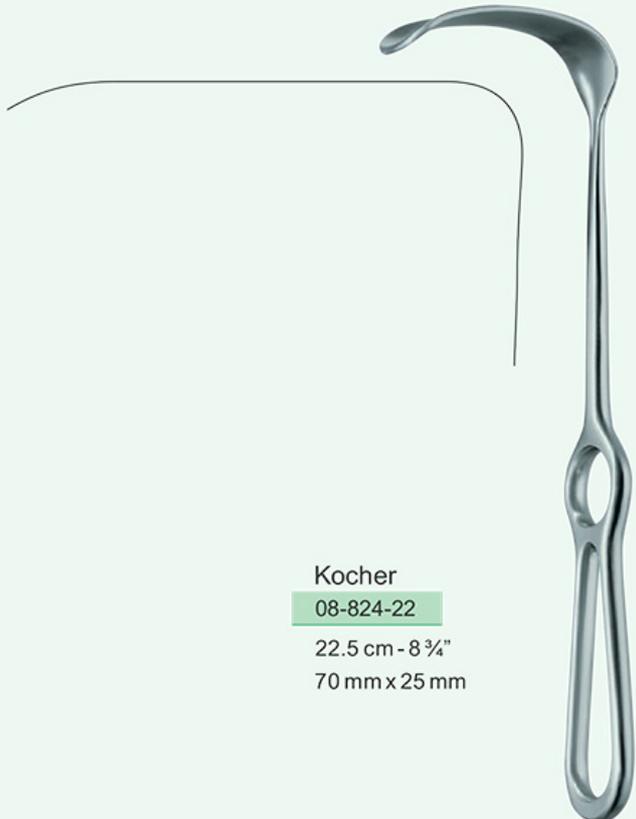
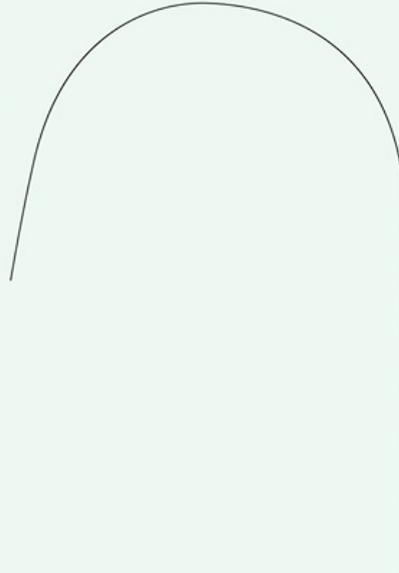


Doyen

08-823-25

25 cm - 9 3/4"

50 mm x 85 mm



Kocher

08-824-22

22.5 cm - 8 3/4"

70 mm x 25 mm



Kocher

08-825-25 80 mm x 45 mm

08-826-25 80 mm x 55 mm

08-827-25 80 mm x 65 mm

25 cm - 9 3/4"



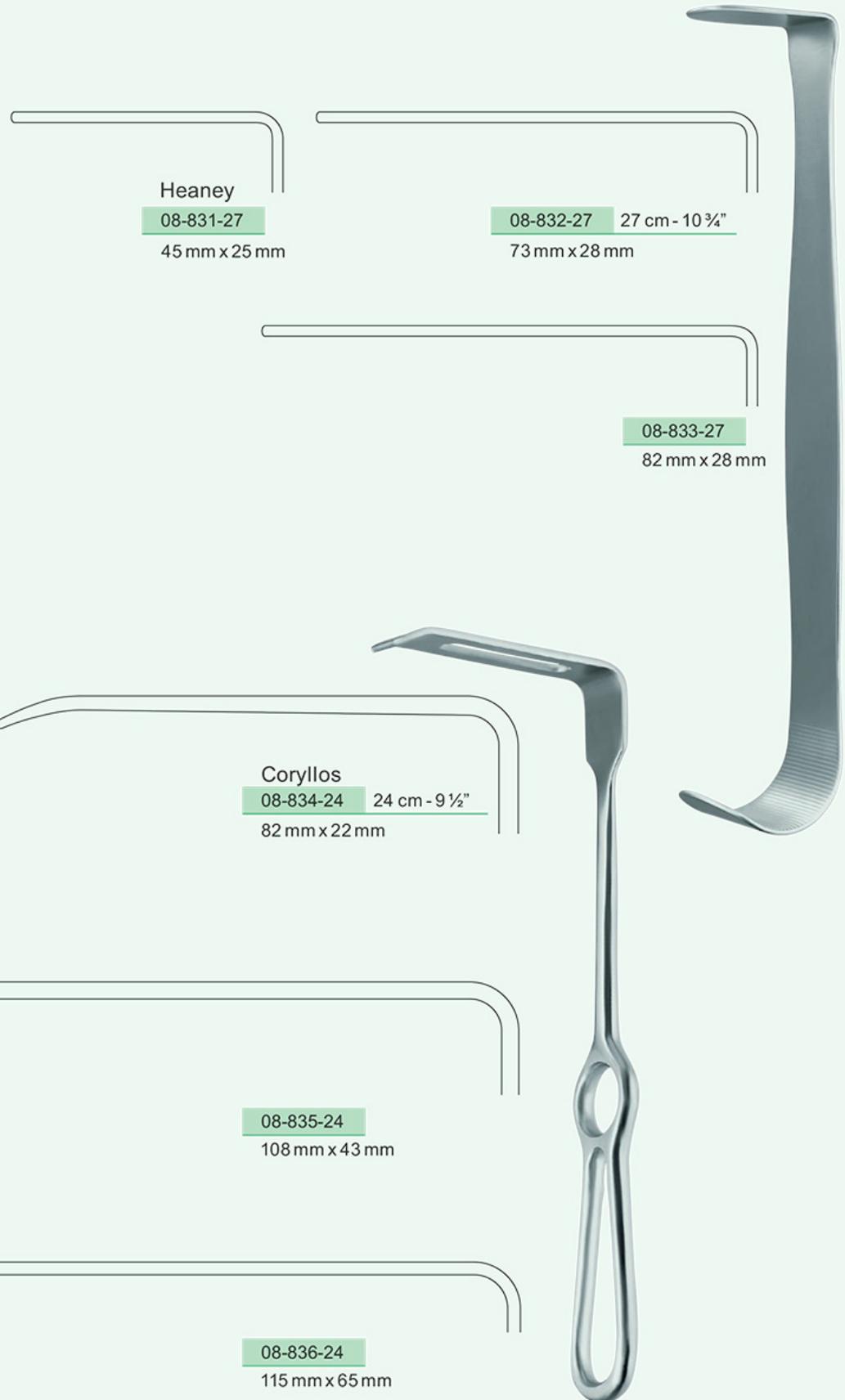
Tuffier
08-828-23
23 cm - 9"
64 mm x 60 mm



Martin
08-829-25
25 cm - 9 3/4"
105 mm x 27 mm

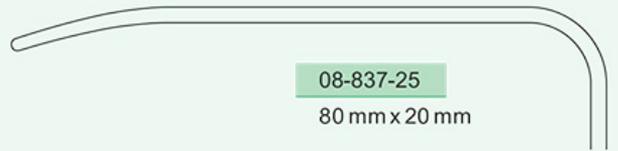


Sauerbruch
08-830-25
25 cm - 9 3/4"
125 mm x 37 mm





Brunner
25 cm - 9 3/4"



08-837-25
80 mm x 20 mm



08-838-25
100 mm x 20 mm



08-839-25
120 mm x 25 mm



08-840-25
140 mm x 25 mm



08-841-25
160 mm x 30 mm



08-842-25
180 mm x 30mm



Brunner
08-843-24
24 cm - 9 ½"
142 mm x 25 mm



Gil-Vernet

08-844-24	08-845-24	08-846-24	08-847-24	08-848-24	08-849-24
x = 8 mm	x = 11 mm	x = 15 mm	x = 17 mm	x = 20 mm	x = 23 mm
24 cm - 9 ½"					

malleable
biegsam
maleable
malléable
malleabile



St. Marks
Fig. 1

08-850-29
29 cm - 11 ½"
130 mm x 60 mm

Fig. 2

08-851-32
32.5 cm - 12 ¾"
180 mm x 60 mm

Fig. 3

08-852-33
33 cm - 13"
180 mm x 60 mm

Cushing
08-853-20
20 cm - 8"



Koerte
08-854-28
28 cm - 11"
120 mm x 47 mm



Morris
08-855-21
21 cm - 8 1/4"
50 mm x 55 mm
Angled



Morris
Fig. 1
08-856-24
70 mm x 40 mm

Fig. 2
08-857-24
70 mm x 50 mm

Fig. 3
08-858-24
70 mm x 65 mm

24.5 cm - 9 3/4"



Morris

10-227-13 40 x 20 mm / 60 x 40 mm

10-227-15 60 x 40 mm / 80 x 60 mm

10-227-16 60 x 50 mm / 80 x 60 mm

23 cm - 9"
Double ended



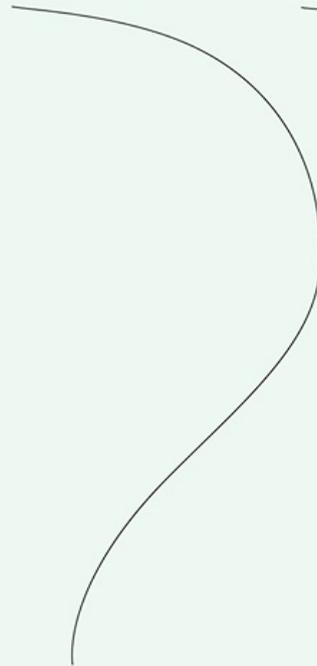
Langenbeck

10-221-01 22 x 6 mm

10-221-02 44 x 13 mm

10-221-03 64 x 25 mm

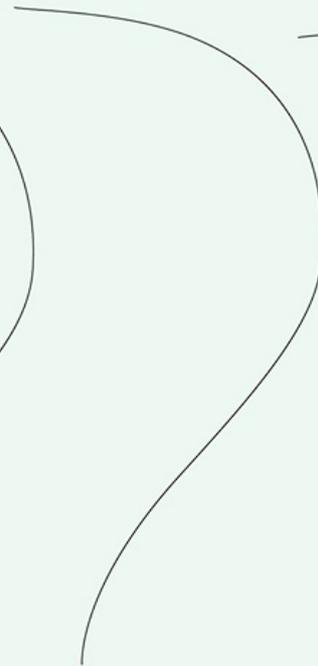
22 cm - 8 ½"



Deaver

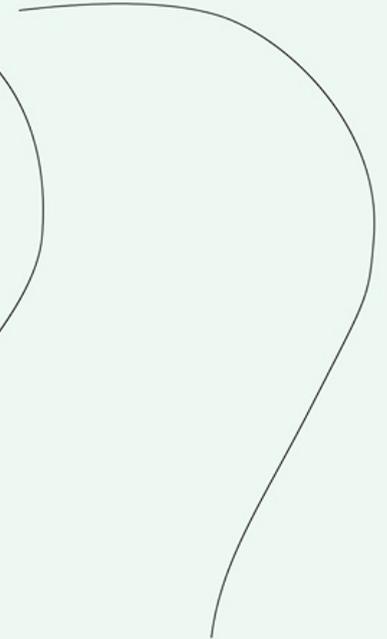
08-859-31

x = 25 mm



08-860-31

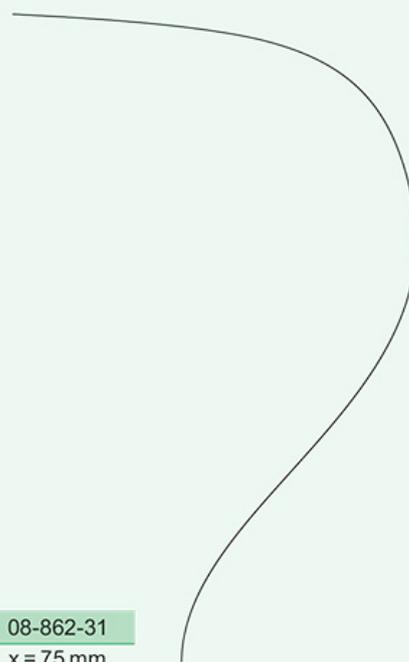
x = 38 mm



08-861-31

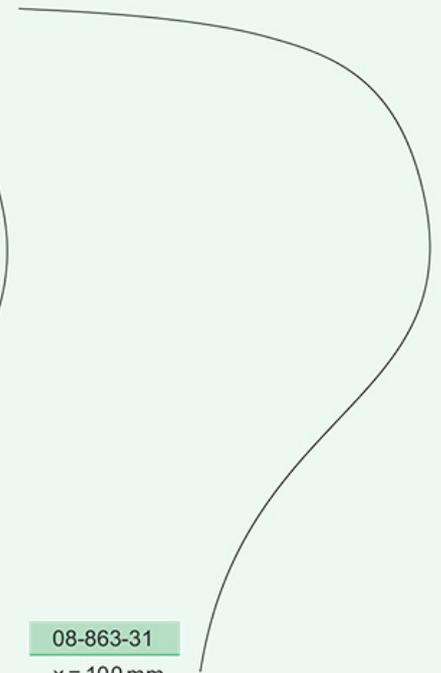
31.5 cm - 12 1/2"

x = 50 mm



08-862-31

x = 75 mm



08-863-31

x = 100 mm





Deaver

08-867-30

30 cm - 12"

x = 25 mm

08-868-33

33 cm - 13"

x = 25 mm

08-869-36

36 cm - 14 ¼"

x = 25 mm



Deaver

08-870-30

30 cm - 12"
x = 38 mm

08-871-30

30 cm - 12"
x = 50 mm

08-872-30

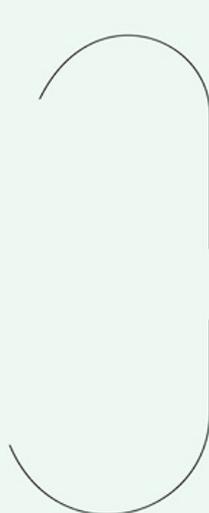
30 cm - 12"
x = 75 mm



Roux

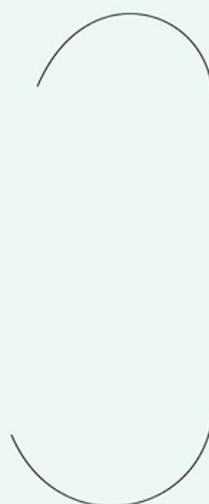
08-873-00

Set of 3
Satz
Juego
Jeu
Serie



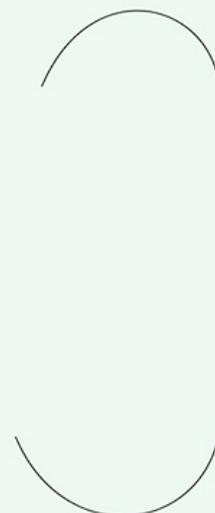
08-873-14

Fig. 1
14 cm - 5 ½"
24 mm x 20 mm
30 mm x 28 mm



08-874-15

Fig. 2
15 cm - 6"
29 mm x 26 mm
36 mm x 36 mm



08-875-17

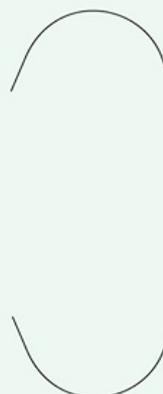
Fig. 3
17 cm - 6 ¾"
33 mm x 29 mm
38 mm x 43 mm



Parker

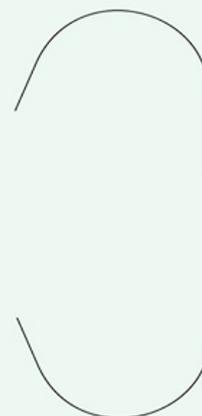
08-876-00

Set of 2
Satz
Juego
Jeu
Serie



08-876-13

Fig. 1
13.5 cm - 5 ¼"
18 mm x 15 mm



08-877-13

Fig. 2
13.5 cm - 5 ¼"
22 mm x 15 mm



Parker

08-878-00

Set of 2
Satz
Juego
Jeu
Serie



08-878-18

Fig.1

26 mm x 25 mm
27 mm x 25 mm



08-879-18

18 cm - 7"

Fig.2

29 mm x 25 mm
27 mm x 25 mm



Mini-Roux

08-880-14

14.5 cm - 5 ¾"
8 mm x 6 mm



Baby-Roux

08-881-13

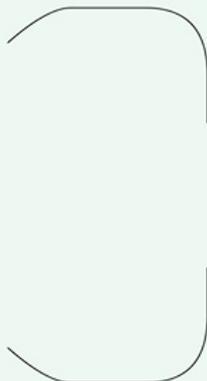
13 cm - 5"
17 mm x 16 mm
18 mm x 22 mm



Mayo-Collin

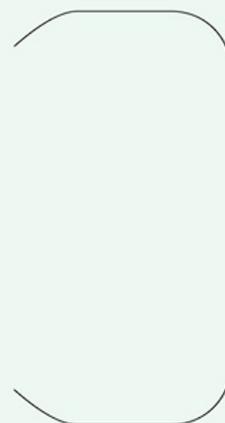
08-882-00

Set of 2
Satz
Juego
Jeu
Serie



08-882-15

Fig.1
25 mm x 18 mm
28 mm x 18 mm



08-883-15 15 cm - 6"

Fig.2
28 mm x 19 mm
32 mm x 19 mm



**Parker-Langenbeck
(US Army)**

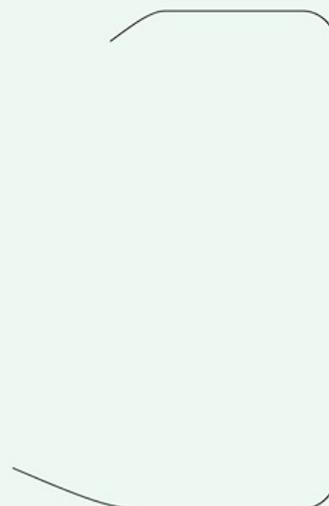
08-884-00

Set of 2
Satz
Juego
Jeu
Serie



08-884-21

Fig.1
21 mm x 24 mm
40 mm x 15 mm



08-885-21 21 cm - 8 ¼"

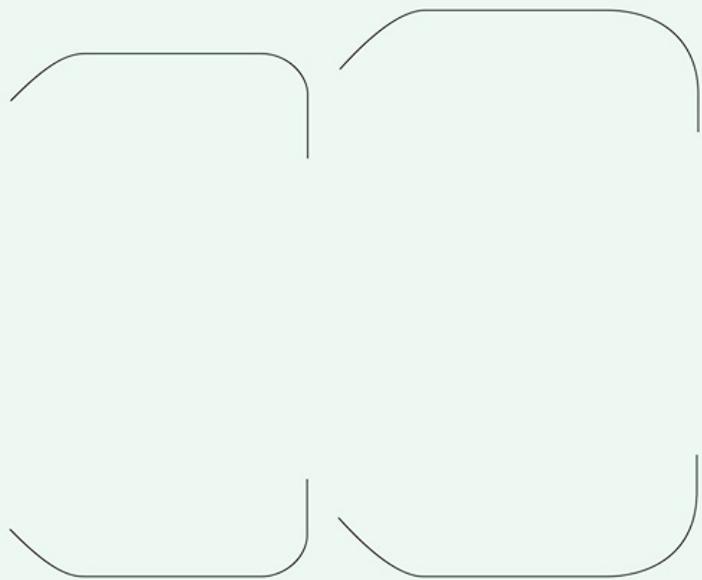
Fig.2
25 mm x 24 mm
45 mm x 15 mm



Mathieu

08-886-00

Set of 2
Satz
Juego
Jeu
Serie



08-886-20

Fig.1
42 mm x 13 mm
42 mm x 26 mm

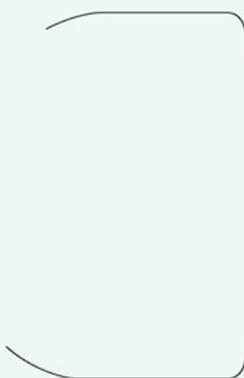
08-887-20 20 cm - 8"

Fig.2
47 mm x 13 mm
46 mm x 26 mm



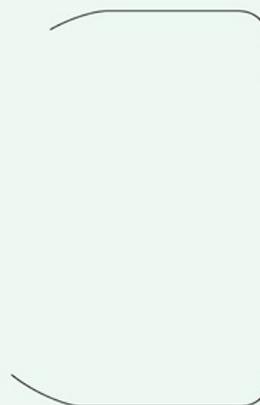
Farabeuf
08-888-00

Set of 2
Satz
Juego
Jeu
Serie



08-888-12

Fig. 1
26 mm x 10 mm
30 mm x 12 mm



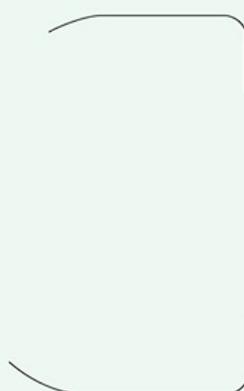
08-889-12 12 cm - 4 3/4"

Fig. 2
30 mm x 10 mm
34 mm x 12 mm



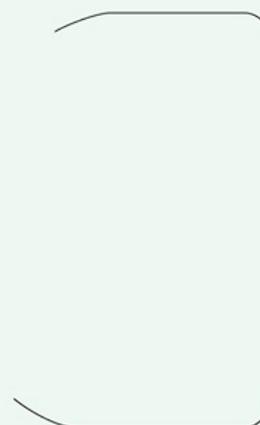
Farabeuf
08-890-00

Set of 2
Satz
Juego
Jeu
Serie



08-890-15

Fig. 1
23 mm x 16 mm
26 mm x 16 mm



08-891-15 15 cm - 6"

Fig. 2
27 mm x 16 mm
30 mm x 16 mm



Alm

08-892-07

08-893-07

08-894-07

7 cm - 2 ¾"

08-892-10

08-893-10

08-894-10

10 cm - 4"

sharp
scharf
agudo
pointu
acuto

semi-sharp
halbscharf
semi-agudo
semi-pointu
semi-acuto

blunt
stumpf
romo
mousse
smusso



Holtzheimer

08-895-10

08-896-10

10 cm - 4"

sharp
scharf
agudo
pointu
acuto

blunt
stumpf
romo
mousse
smusso



Bose

08-897-07

7 cm - 2 ¾"



Jansen

08-898-10

08-899-10

10 cm - 4"

08-898-11

08-899-11

11 cm - 4 ¼"

sharp
scharf
agudo
pointu
acuto

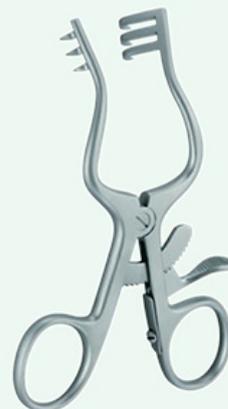
blunt
stumpf
romo
mousse
smusso



Cloward-Contour

08-900-14 08-901-14 14 cm - 5 1/2"

3x4	3x4
sharp	blunt
scharf	stumpf
agudo	romo
pointu	mousse
acuto	smusso



Wullstein

08-902-10 08-903-10 10 cm - 4"

3x3	3x3
sharp	blunt
scharf	stumpf
agudo	romo
pointu	mousse
acuto	smusso



Weitlaner-Wullstein

08-904-13 08-905-13 13 cm - 5"

3x3	3x3
sharp	blunt
scharf	stumpf
agudo	romo
pointu	mousse
acuto	smusso



Milligan

08-906-13 13 cm - 5"

3x3
blunt
stumpf
romo
mousse
smusso



Belucci

08-907-11

08-907-13

1x2
left, blunt
links, stumpf
izquierda, romo
gauche, mousse
sinistra, smusso



Belucci

08-908-11 11 cm - 4 1/4"

08-908-13 13 cm - 5"

1x2
right, blunt
rechts, stumpf
derecha, romo
droit, mousse
destra, smusso

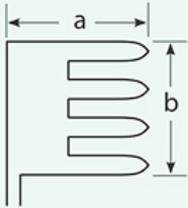


Mollison

08-909-15

15 cm - 6"

4x4
sharp
scharf
agudo
pointu
acuto



Weitlaner-Loktite

08-910-10	08-911-10	08-912-10	08-913-10	08-914-10	08-915-10	10.5 cm - 4 1/4"	a = 17 mm- b = 13 mm
08-910-13	08-911-13	08-912-13	08-913-13	08-914-13	08-915-13	13 cm - 5"	a = 17 mm- b = 17 mm
08-910-16	08-911-16	08-912-16	08-913-16	08-914-16	08-915-16	16.5 cm - 6 1/2"	a = 17 mm- b = 17 mm
08-910-20	08-911-20	08-912-20	08-913-20	08-914-20	08-915-20	20 cm - 8"	a = 20 mm- b = 19 mm
08-910-26	08-911-26	08-912-26	08-913-26	08-914-26	08-915-26	26 cm - 10 1/4"	a = 26 mm- b = 21 mm

2 x 3
sharp
scharf
agudo
pointu
acuto

2 x 3
semi-sharp
halbscharf
semi-agudo
semi-pointu
semi-acuto

2 x 3
blunt
stumpf
romo
mousse
smusso

3 x 4
sharp
scharf
agudo
pointu
acuto

3 x 4
semi-sharp
halbscharf
semi-agudo
semi-pointu
semi-acuto

3 x 4
blunt
stumpf
romo
mousse
smusso



Plester

08-916-13

08-917-13

13 cm - 5"

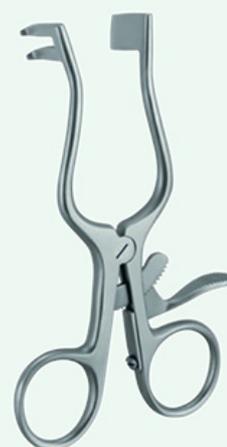
2x2	2x2
blunt	sharp
stumpf	scharf
romo	agudo
mousse	pointu
smusso	acuto



Plester

08-918-11

2x1
left, blunt
links, stumpf
izquierda, romo
gauche, mousse
sinistra, smusso



08-919-11

11 cm - 4 1/4"

1x2
right, blunt
rechts, stumpf
derecha, romo
droit, mousse
destra, smusso



Norfolk
and Norwich

08-920-22

22 cm - 8 ¾"
4x5
blunt
stumpf
romo
mousse
smusso



Travers

08-921-21

21.5 cm - 8 ½"
4x5
blunt
stumpf
romo
mousse
smusso



Anderson-Adson

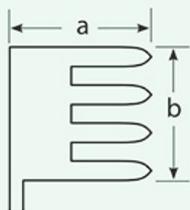
08-922-19

08-923-19

19.5 cm - 7 ¾"

4x4
sharp
scharf
agudo
pointu
acuto

4x4
blunt
stumpf
romo
mousse
smusso



Adson (Cone)

08-924-13	08-925-13	13 cm - 5"	a = 17 mm- b = 19 mm
08-924-16	08-925-16	16 cm - 6 ¼"	a = 17 mm- b = 19 mm
08-924-20	08-925-20	20 cm - 8"	a = 20 mm- b = 20 mm
08-924-26	08-925-26	26 cm - 10 ¼"	a = 26 mm- b = 21 mm

3x4
sharp
scharf
agudo
pointu
acuto

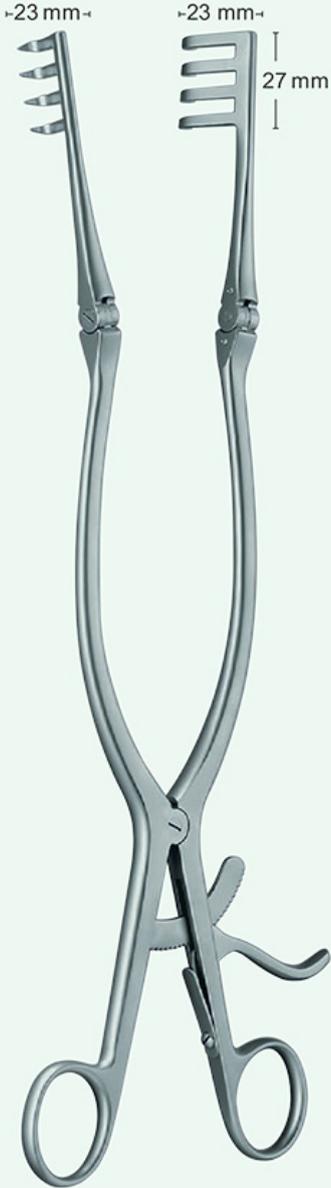
3x4
blunt
stumpf
romo
mousse
smusso



Beckmann-Eaton

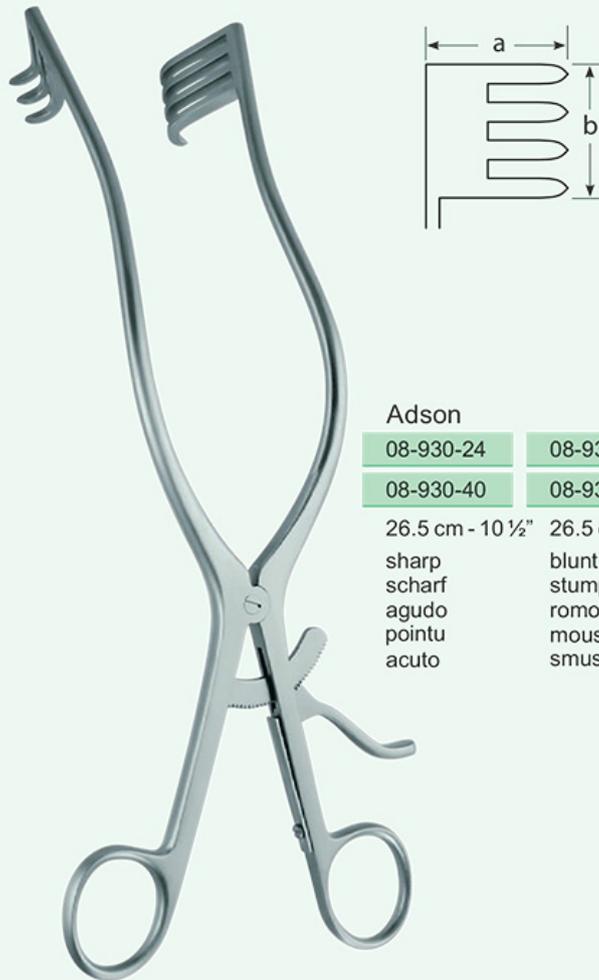
08-926-32

32 cm - 12 ½"
7x7
sharp
scharf
agudo
pointu
acuto



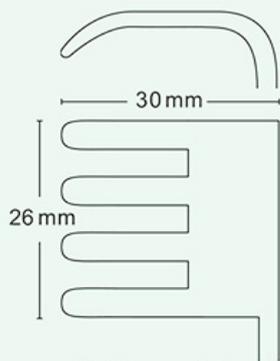
Beckmann

08-927-31	08-928-31	08-929-31	31 cm - 12 1/4"
4x4 sharp scharf agudo pointu acuto	4x4 semi-sharp halbscharf semi-agudo semi-pointu semi-acuto	4x4 blunt stumpf romo mousse smusso	



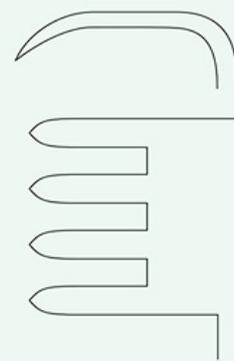
Adson

08-930-24	08-931-24	3x4	a = 24 mm - b = 24 mm
08-930-40	08-931-40	6x6	a = 40 mm - b = 40 mm
26.5 cm - 10 1/2"	26.5 cm - 10 1/2"		
sharp scharf agudo pointu acuto	blunt stumpf romo mousse smusso		



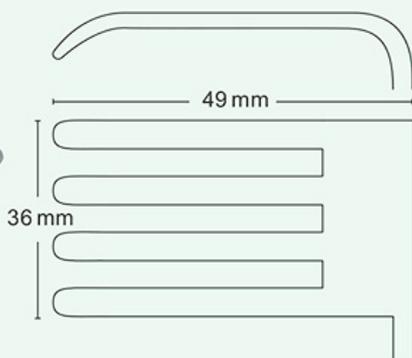
Beckmann-Adson
08-932-31

blunt
stumpf
romo
mousse
smusso



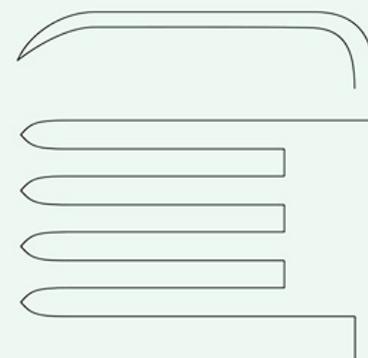
08-933-31 31 cm - 12 1/4"

sharp
scharf
agudo
pointu
acuto



08-934-31

blunt, with deep blades
stumpf, mit tiefen Blättern
romo, con palas profundas
mousse, avec lames profondes
smusso, con valve profonda



08-935-31

sharp, with deep blades
scharf, mit tiefen Blättern
agudo, con palas profundas
pointu, avec lames profondes
acuto, con valve profonda

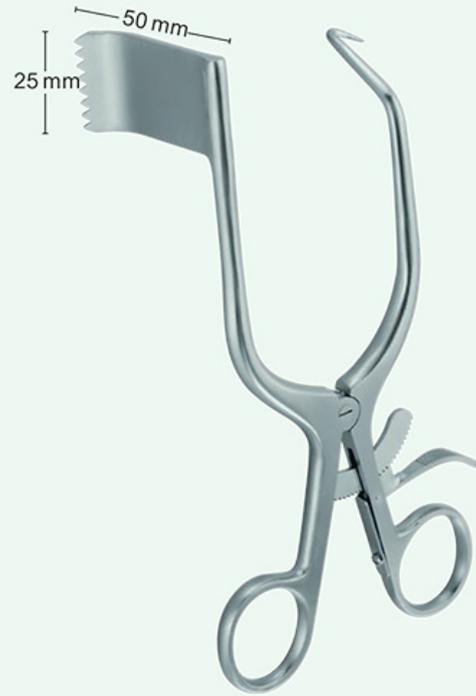


Gelpi-Loktite

08-936-09
08-936-11
08-936-13
08-936-15
08-936-18



08-937-09	9 cm - 3 1/2"
08-937-11	11 cm - 4 1/4"
08-937-13	13 cm - 5"
08-937-15	15 cm - 6"
08-937-18	18 cm - 7"



Markham-Meyerdig

08-938-18	08-939-18	18 cm - 7"
right	left	
rechts	links	
derecha	izquierda	
droit	gauche	
destra	sinistra	



Rigby

08-940-18
18 cm - 7"



Cloward

08-941-18 18 mm

08-941-20 20 mm

08-941-23 23 mm

16 cm - 6 1/4"



Tittle

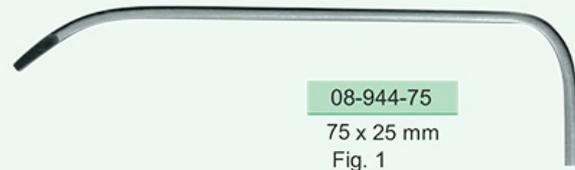
08-942-20

20 cm - 8"

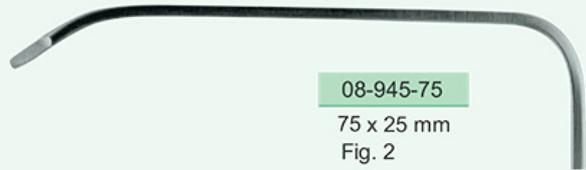
12 x 14 mm



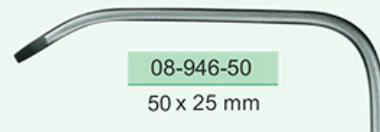
Hibbs
08-943-00
Set of two
24.5 cm - 9 3/4"



08-944-75
75 x 25 mm
Fig. 1



08-945-75
75 x 25 mm
Fig. 2



08-946-50
50 x 25 mm



08-947-10
100x 25 mm



Meyerding

08-948-32 32 x 25 mm

08-948-54 54 x 25 mm

08-948-60 60 x 25 mm

24.5 cm - 9 3/4" blade size

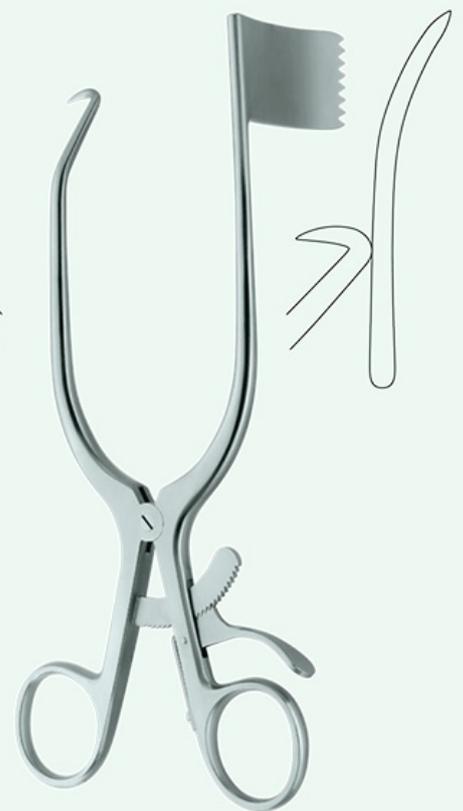


Markham-Meyerding

08-949-19

19 cm - 7 1/2"

Left blade

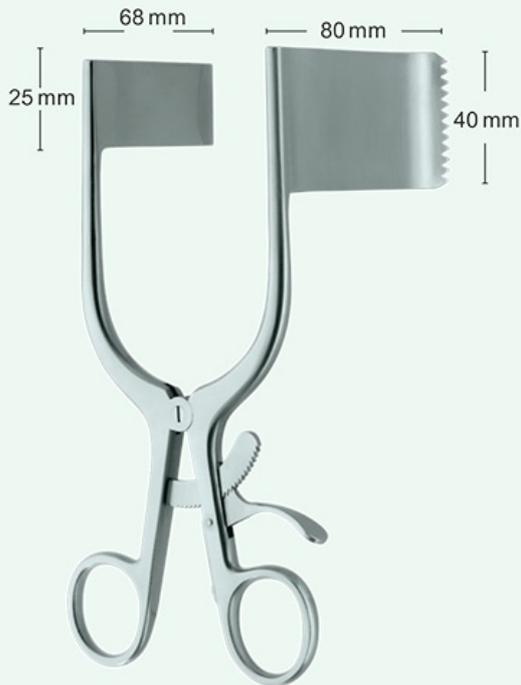


Markham-Meyerding

08-950-19 50 x 26 mm

19 cm - 7 1/2"

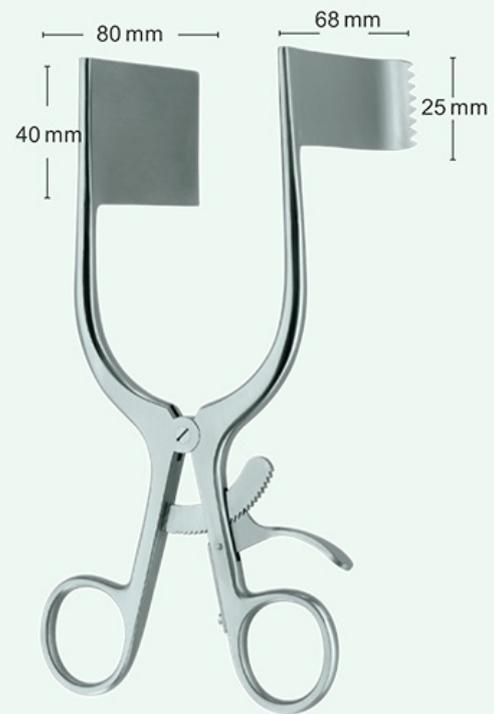
Right blade



Darling

08-951-18

18 cm - 7"



Darling

08-952-18

18 cm - 7"



Henley

08-993-00	Complete set consisting of:			
08-993-16	Retractor	3x4 teeth	16.5 cm - 6½"	Sharp
08-995-19	Fig. 1	Central blade	19x16 mm	
08-996-25	Fig. 2	Central blade	25x16 mm	
08-997-32	Fig. 3	Central blade	32x16 mm	
08-994-00	Complete set consisting of:			
08-994-16	Retractor	3x4 teeth	16.5 cm - 6½"	Blunt
08-995-19	Fig. 1	Central blade	19x16 mm	
08-996-25	Fig. 2	Central blade	25x16 mm	
08-997-32	Fig. 3	Central blade	32x16 mm	



Fig. 1
08-995-19
19 mm x 16 mm



Fig. 2
08-996-25
25 mm x 16 mm



Fig. 3
08-997-32
32 mm x 16 mm



Baby Collin

08-998-00	Complete set consisting of:
08-998-18	1 Retractor 18 cm - 7"
08-998-01	1 pair of blade 40x18 mm
08-998-02	1 pair of blade 40x27 mm



Collin

08-999-22	22 cm - 8 3/4"
x = 100 mm	

Collin

08-101-22	Complete set consisting of:
	Retractor 22.5 cm - 8 3/4"
	1 pair of lateral blade a=38 mm b=60mm
	1 center blade a=38 mm b=55mm
08-102-22	Complete set consisting of:
	Retractor 22.5 cm - 8 3/4"
	1 pair of lateral blade a=38 mm b=80mm
	1 center blade a=50 mm b=75mm
08-103-22	Complete set consisting of:
	Retractor 22.5 cm - 8 3/4"
	1 pair of lateral blade a=37 mm b=98mm
	1 center blade a=53 mm b=76mm

x = 100 mm

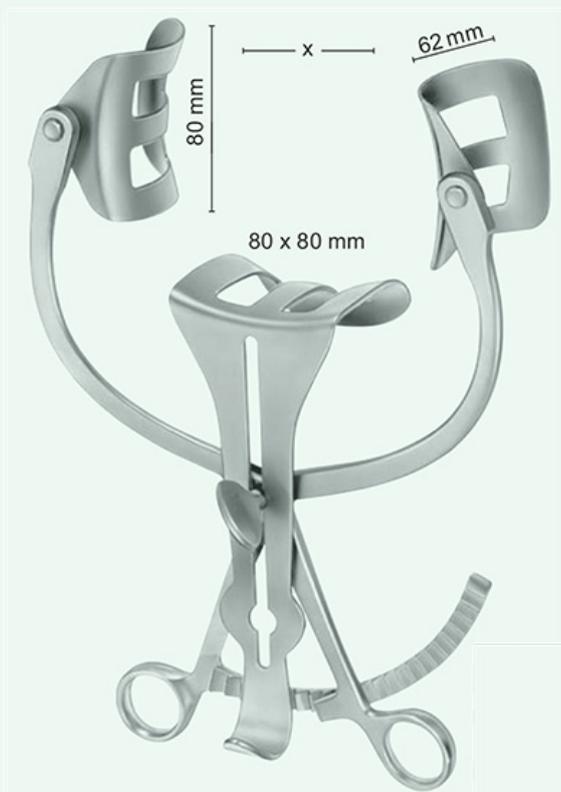




Collin

08-104-26	Complete set consisting of:
	1 Retractor 26 cm - 10¼"
	1 pair of lateral blade a=60 mm b=80mm
	1 center blade a=60 mm b=75mm

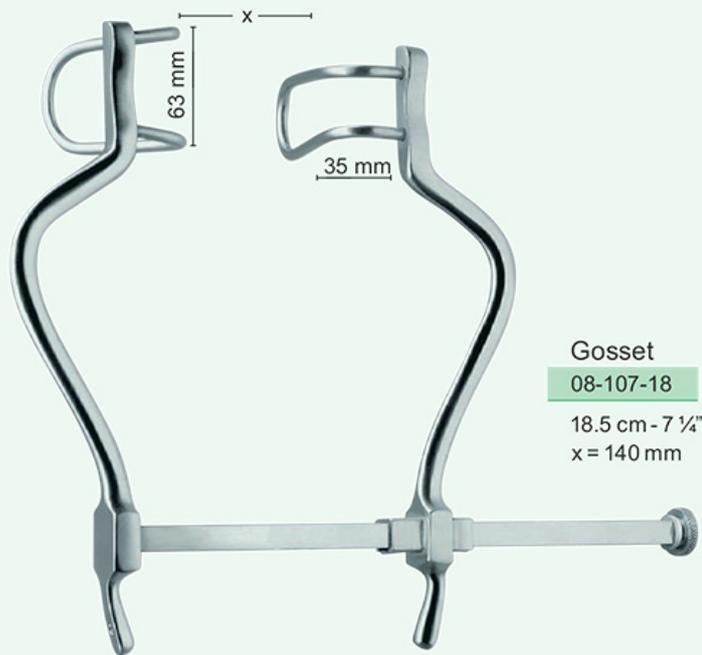
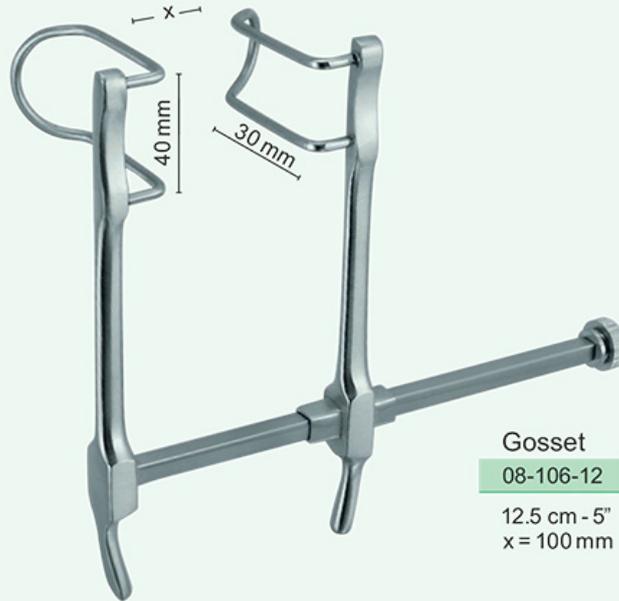
x = 100 mm



Holzbach

08-105-26	Complete set consisting of:
	1 Retractor 26 cm - 10¼"
	1 pair of lateral blade a=62 mm b=80mm
	1 center blade a=80 mm b=80mm

x = 100 mm





Gosset

08-108-16	Complete set consisting of:
08-108-00	Retractor
08-108-01	Lateral blade 35x63mm
08-108-02	Center blade 65x70mm

x = 160 mm



Balfour

08-109-20	Complete set consisting of:
08-109-00	Retractor
08-109-01	Lateral blade 35x100mm
08-109-02	Center blade 70x100mm

x = 200 mm



Balfour - Baby

08-110-27	Complete set consisting of:
08-110-00	Retractor
08-110-01	Lateral blade 27x27mm
08-110-02	Center blade 20x24mm

x = 90 mm



Balfour

08-111-18 Complete set consisting of:

08-111-00 Retractor

08-111-01 Lateral blade 35x70mm

08-111-02 Center blade 45x80mm

x = 180 mm

08-112-18 Complete set consisting of:

08-112-00 Retractor

08-112-01 Lateral blade 35x100mm

08-112-02 Center blade 70x85mm

x = 250 mm

08-113-45 45 mm x 80 mm

08-113-70 70 mm x 85 mm

08-113-80 80 mm x 90 mm

Center blades only
Mittelvalven allein
Valvas centrales sola
Valves centrales seul
Valve centrali solo



Ricard - 1

08-114-28 Complete set consisting of:

08-114-00	Retractor
08-114-01	Lateral blade 60x80mm
08-114-02	Center blade 55x70mm

x = 280 mm

Ricard - 2

08-115-30 Complete set consisting of:

08-116-00	Retractor
08-116-01	Lateral blade 70x85mm
08-116-02	Center blade 80x90mm

x = 300 mm



O'Sullivan-O'Connor

08-115-45 Complete set consisting of:

08-115-00	Retractor
08-115-01	Lateral blade 60x80mm
08-115-02	Center blade 55x70mm



O'Sullivan-O'Connor - Baby

08-130-00	Complete set consisting of:		
	1 Frame		
08-156-01	Fig. 1	1 blade	45x17cm
08-157-02	Fig. 2	1 blade	90x37cm
08-158-03	Fig. 3	1 blade	90x45cm



Fig. 1

08-156-01

45 mm x 17 mm

Fig. 2

08-157-02

90 mm x 37 mm

Fig. 3

08-158-03

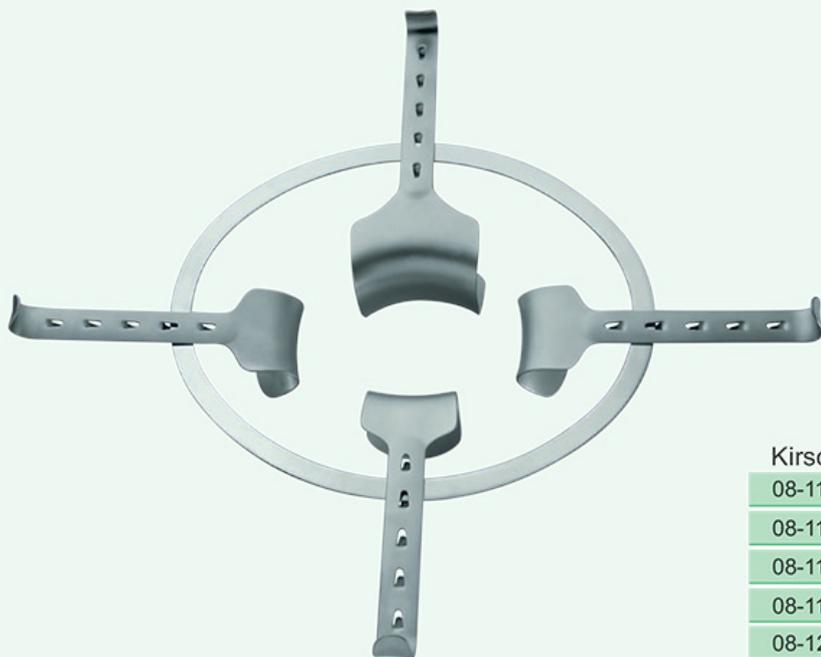
90 mm x 45 mm



Friedmann

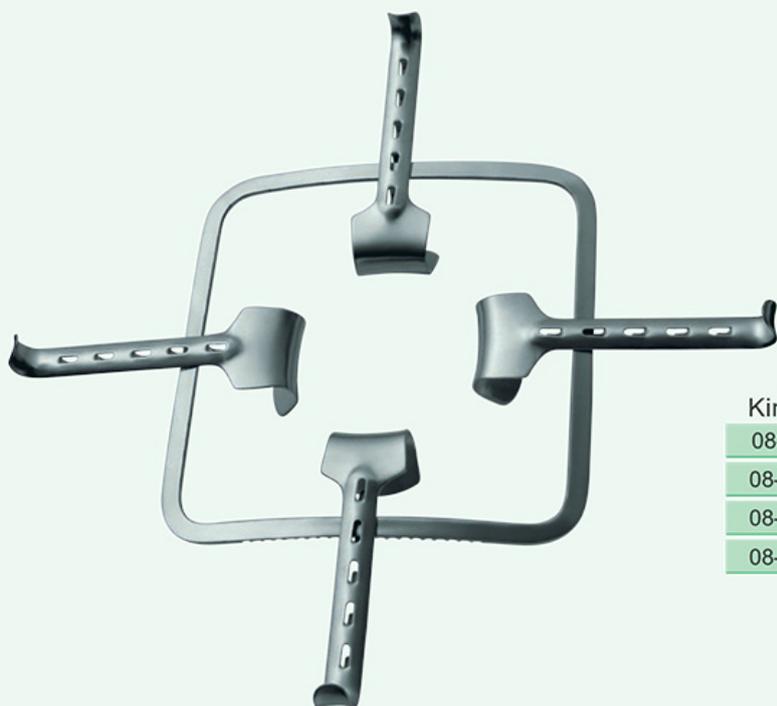
08-159-10

10 cm - 4"



Kirschner, oval

08-117-00	Complete set consisting of:
08-117-24	1 Frame 24x30cm
08-118-05	3 blades 5x6.5cm
08-119-08	1 blade 8x9cm
08-120-05	1 blades 5x9.8cm
08-121-03	1 blade 3.5x10.5cm



Kirschner

08-122-00	Complete set consisting of:
08-122-24	1 Frame 24x24cm
08-123-04	2 blades 4x5.5cm
08-124-50	2 blade 5x6.5cm



Franz

08-130-00	Complete set consisting of:
08-130-06	1 Frame 30x30cm
08-131-04	2 blades 4x6cm
08-132-04	2 blade 4.5x8cm
08-134-05	2 blades 5x6.5cm
08-135-06	2 blade 6x8.5cm

Franz

08-130-01	Complete set consisting of:
08-130-06	1 Frame 30x30cm
08-131-04	2 blades 4x6cm
08-134-05	2 blade 5x6.5cm
08-135-06	2 blade 6x8.5cm

Abdominal retractors
 Bauchdeckenhalter
 Separadores abdominales
 Ecarteurs abdominaux
 Divaricatori addominali

surgimax™
 saving lives



Franz

08-125-30

Frame 30x30cm



08-131-04

4 cm x 6 cm



08-132-04

4.5 cm x 8 cm



08-133-04

4 cm x 5.5 cm



08-134-05

5 cm x 6.5 cm



08-135-06

6 cm x 8.5 cm



08-136-08

8 cm x 9 cm



08-137-05

5 cm x 9.8 cm



08-138-03

3.5 cm x 10.5 cm



Emma

08-139-33	08-140-33	08-141-33	33 cm - 13"
30 mm	40 mm	50 mm	
malleable			
biegsam			
malléable			
maleable			
flessibile			



Martin

08-142-20	08-143-20	08-144-25
20 cm - 8"	20 cm - 8"	25 cm - 9 3/4"
12 mm	17 mm	25 mm
soft		
weich		
flexible		
souple		
morbido		

Haberer Modified

08-145-20	08-146-20	08-147-20	08-148-20	08-149-20	08-150-20	20 cm - 8"
6,5 mm	9,5 mm	13 mm	16 mm	19 mm	25 mm	
malleable, very soft						
biegsam, sehr weich						
maleable, muy flexible						
malléable, très souple						
flessibile, molto morbido						



Haberer

08-151-20

20 cm - 8"

17 mm / 25 mm

08-152-28

28 cm - 11"

25 mm / 30 mm

08-153-30

30 cm - 12"

37 mm / 45 mm

malleable
biegsam
maleable
malléable
flessibile



Reverdin

08-154-28

28 cm - 11"

46 mm x 60 mm



Cloward
Fig. 1

13-873-15	Retractor only	15 cm - 6"
13-873-00	Complete set consisting of:	
13-873-15	1 Retractor	
	1 pair of blades 13-877-40 to 13-877-60	



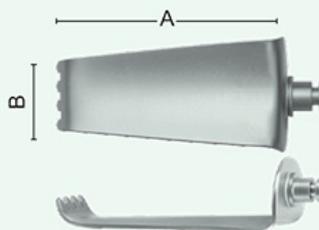
Cloward
Fig. 2

13-874-17	Retractor only	17 cm - 6 3/4"
12-874-00	Complete set consisting of:	
13-874-17	1 Retractor	
	1 pair of blades 13-877-40 to 13-877-60	



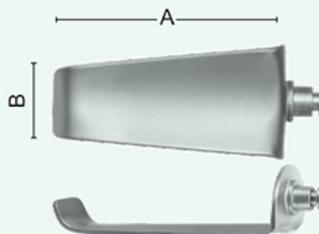
Cloward
Fig. 3

13-875-15	Retractor only	25 cm - 10"
13-875-00	Complete set consisting of:	
13-875-15	1 Retractor	
	1 pair of blades 13-876-40 to 13-876-60	



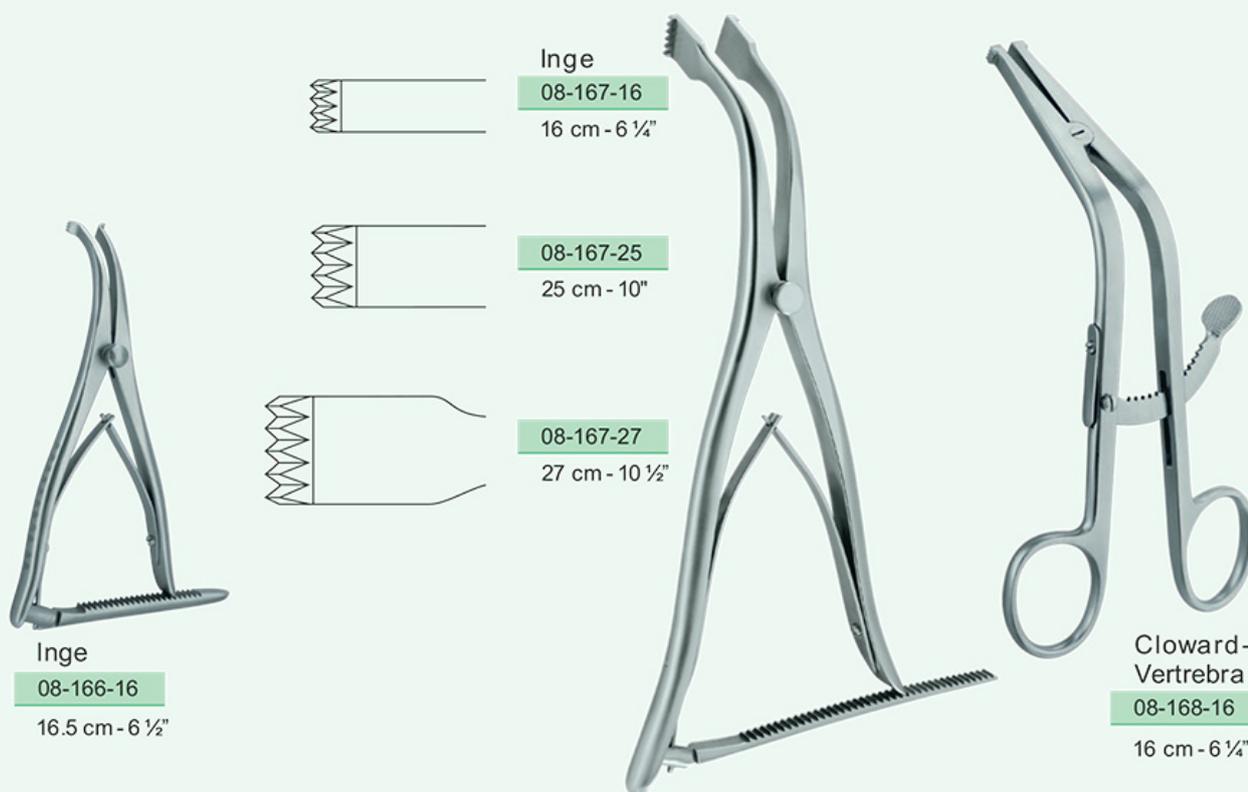
	A	B
13-876-40	40 x 16 mm	
13-876-45	45 x 16 mm	
13-876-50	50 x 16 mm	
13-876-55	55 x 16 mm	
13-876-60	60 x 16 mm	

Toothed blade



	A	B
13-877-40	40 x 16 mm	
13-877-45	45 x 16 mm	
13-877-50	50 x 16 mm	
13-877-55	55 x 16 mm	
13-877-60	60 x 16 mm	

Non toothed blade



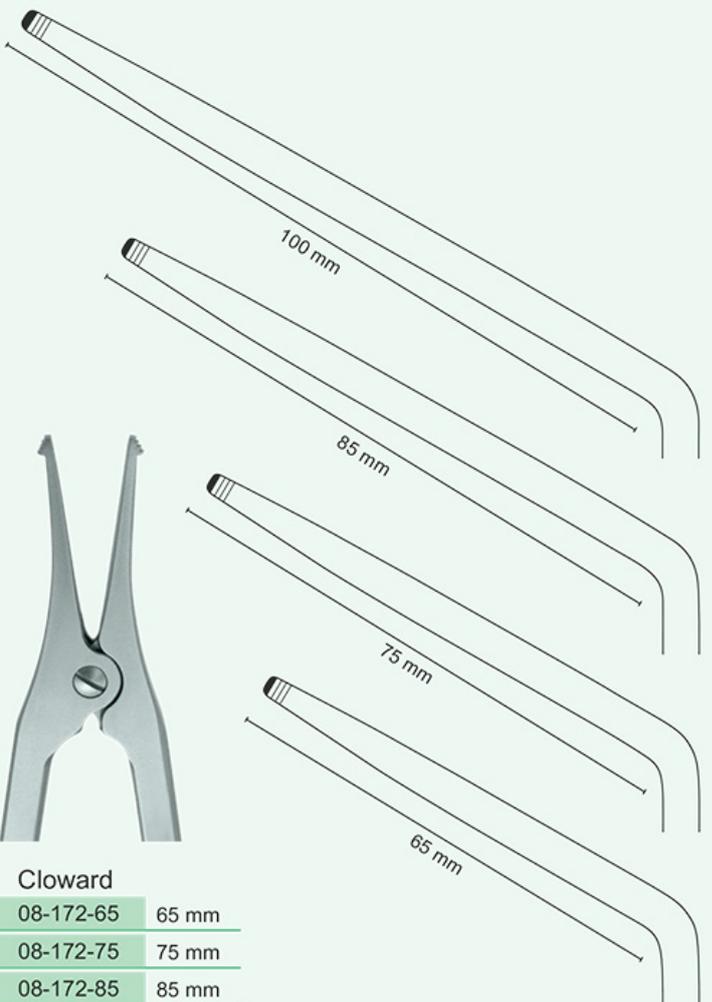


Inge

08-171-12 12 mm

08-171-08 8 mm

27 cm - 10 1/2"



Cloward

08-172-65 65 mm

08-172-75 75 mm

08-172-85 85 mm

08-172-10 100 mm



08-217-07 7 cm - 2 3/4"
1 prongs Length of blades



08-218-08 8 cm - 3 1/4"
08-219-10 10 cm - 4"
3 prongs Length of blades