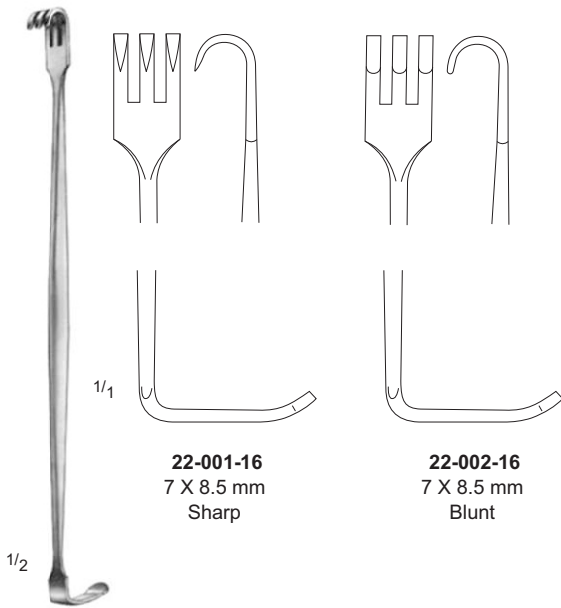


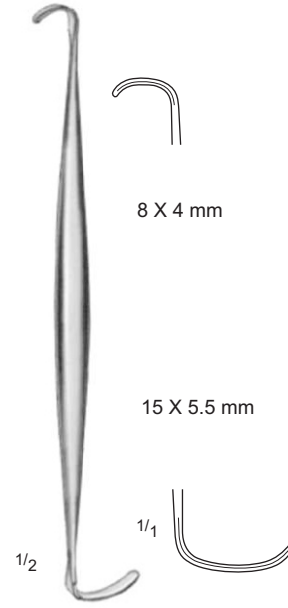
# Retractors



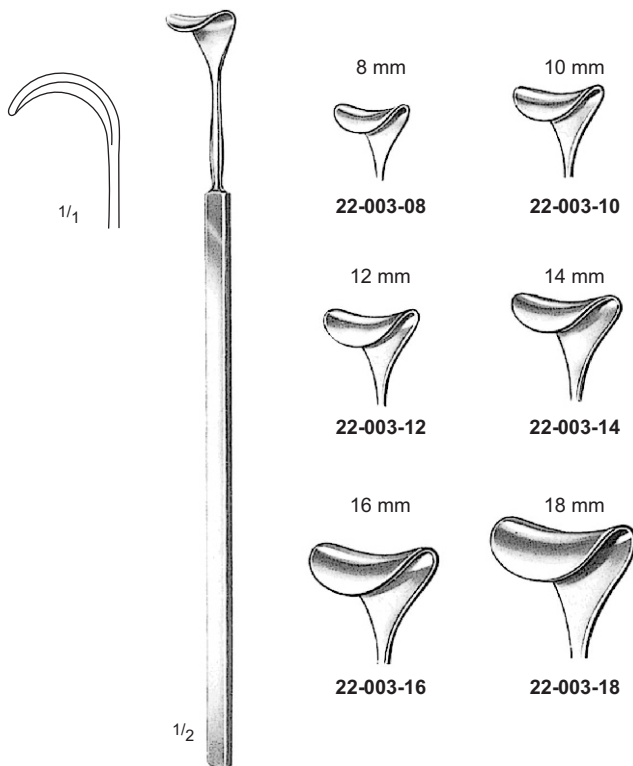
Retractors, Vein Hooks



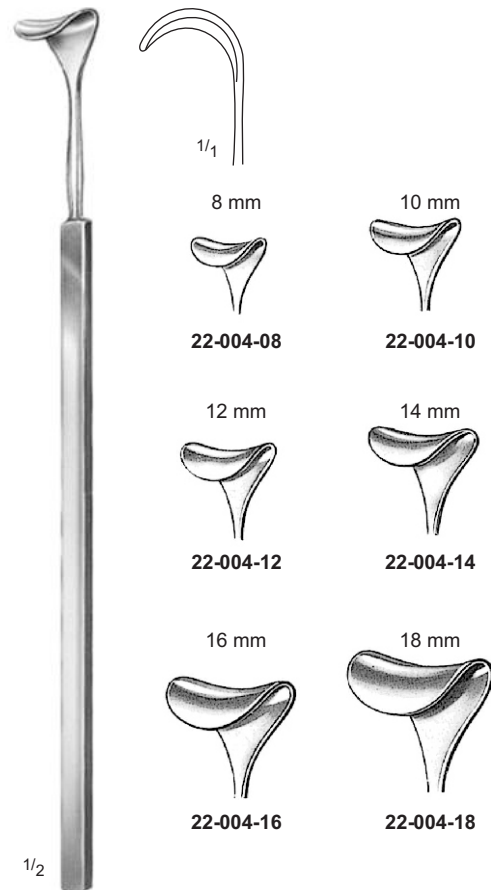
SEN MILLER  
22-001-16 – 22-002-16  
16 cm / 6 1/4"



RAGNELL - DAVIS  
22-005-16  
16 cm / 6 1/4"

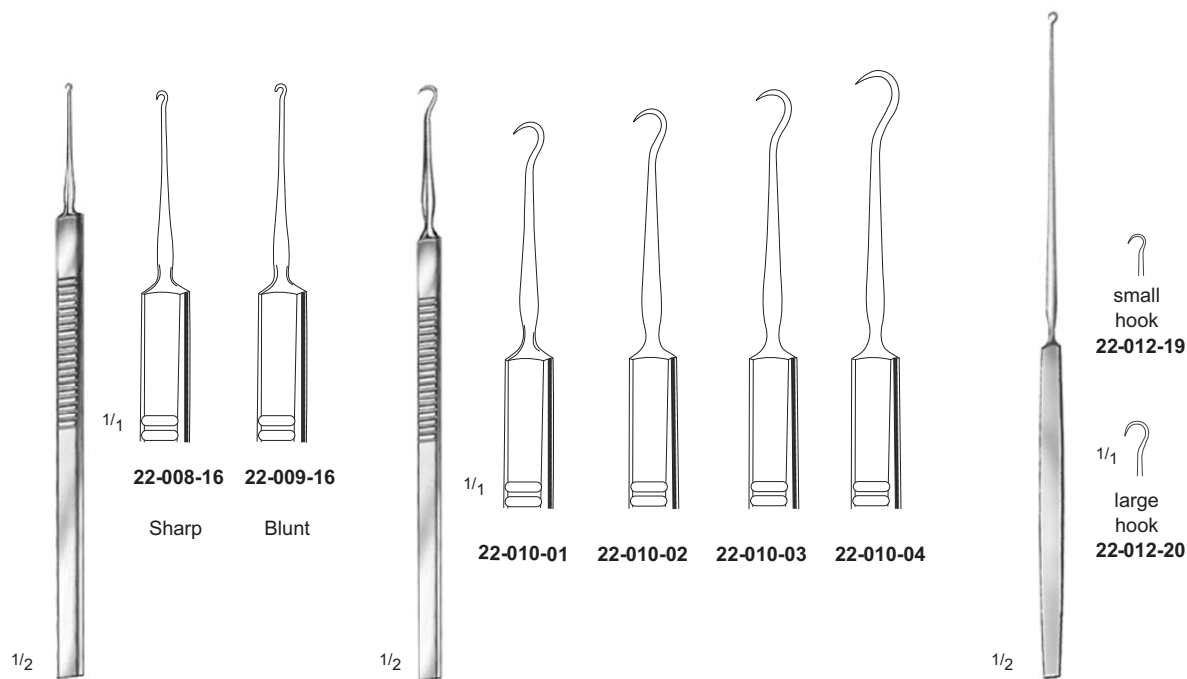


CUSHING  
22-003-08 – 22-003-18  
20 cm / 8"



CUSHING  
22-004-08 – 22-004-18  
24 cm / 9 1/2"

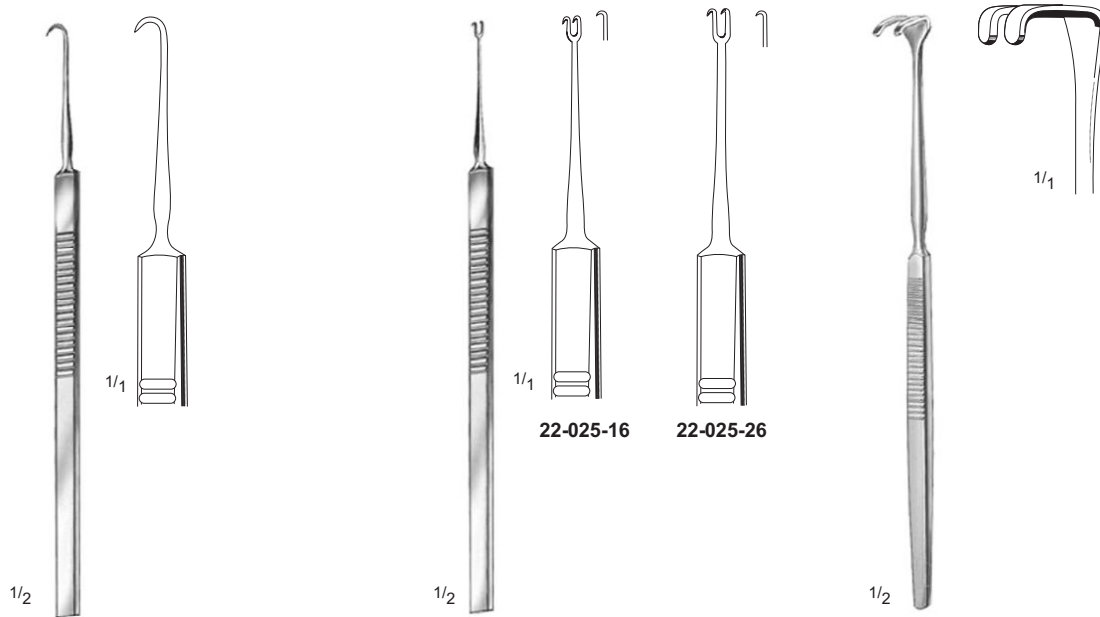
Hooks and Retractors



**GRAEFE**  
22-008-16 – 22-009-16  
16 cm / 6 1/4"

22-010-01 – 22-010-04  
16 cm / 6 1/4"

**GILLIES**  
22-012-19 – 22-013-19  
19 cm / 7 1/2"

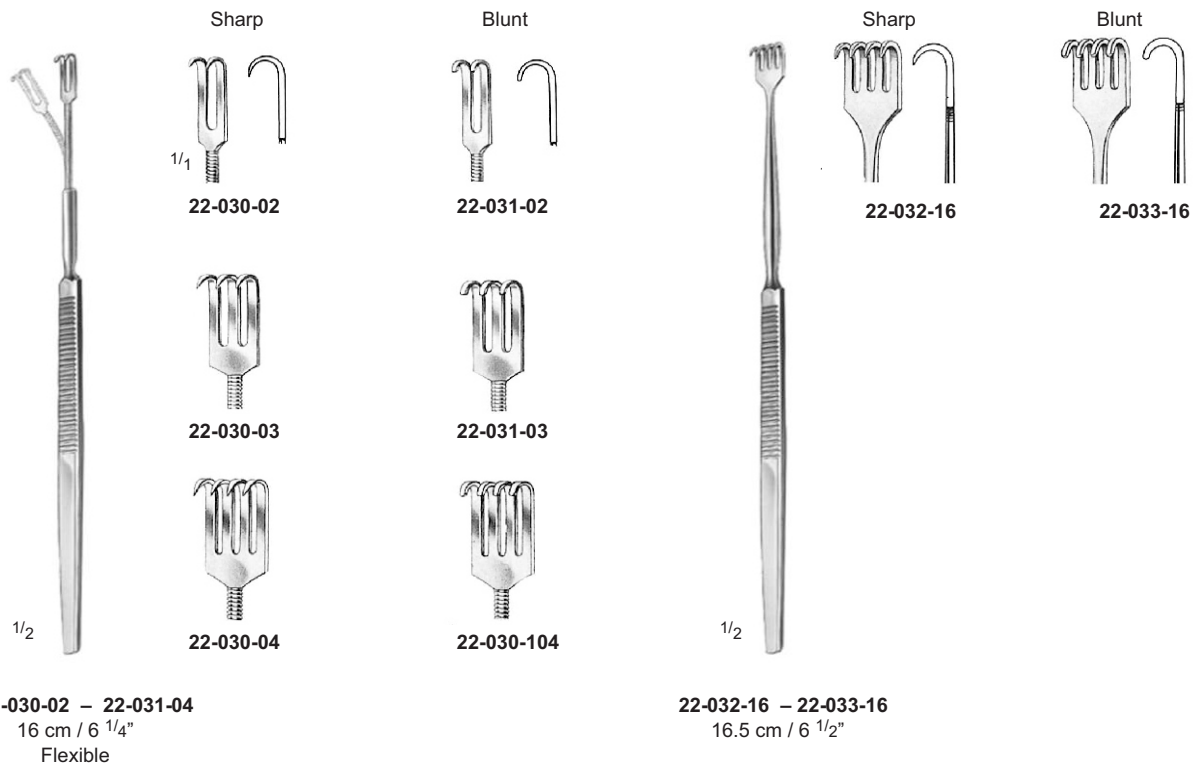
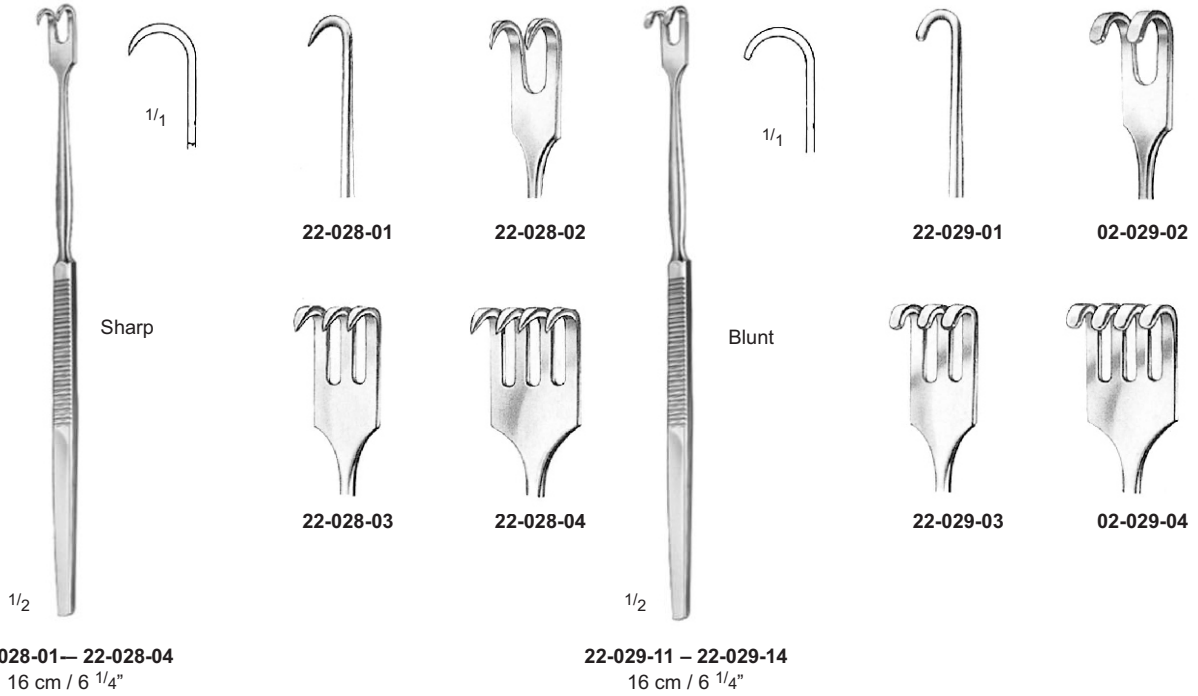


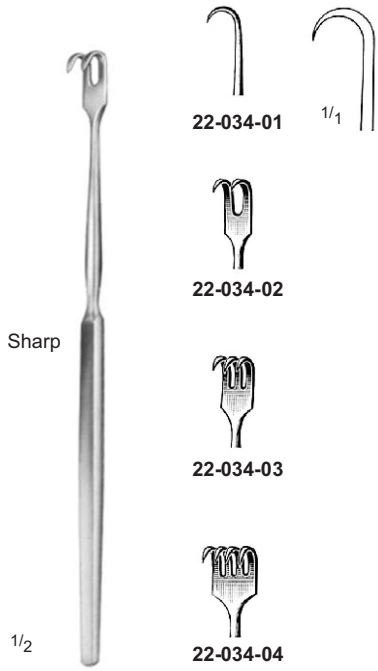
**O'CONNOR**  
22-014-16  
16 cm / 6 1/4"

**GUTHRIE**  
22-025-16 – 22-026-16  
16 cm / 6 1/4"

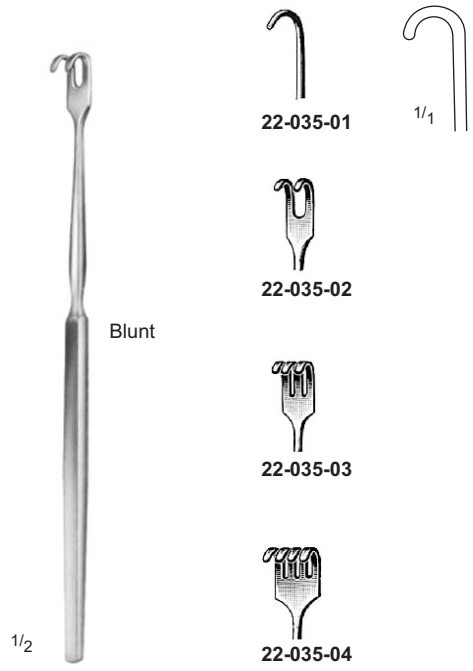
22-027-16  
16 cm / 6 1/4"

Retractors





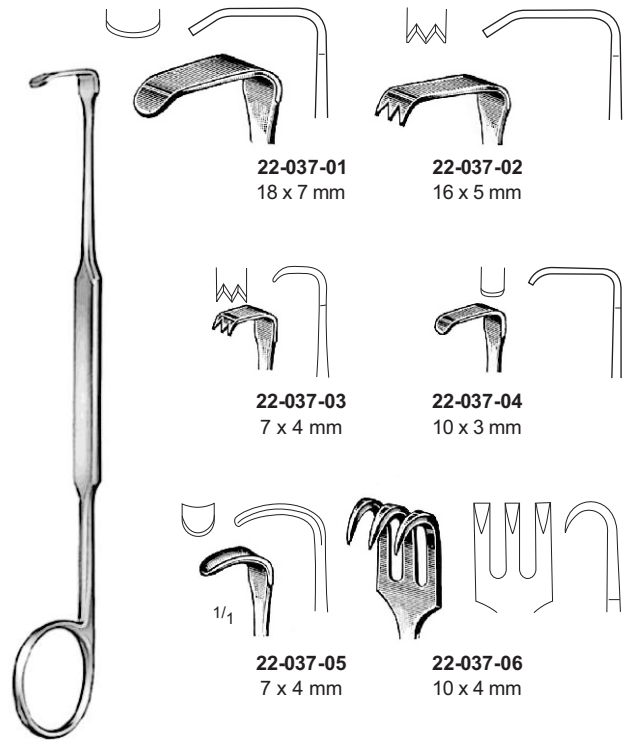
22-034-01 – 22-034-04  
16.5 cm / 6 1/2"



22-035-01 – 22-035-04  
16.5 cm / 6 1/2"



MINI-LANGENBECK  
22-036-10 – 22-036-22  
16 cm / 6 1/4"



MEYERDING  
22-037-01 – 22-037-06  
18 cm / 7"

Abdominal Spatulas, Ribbon Retractors



REVERDIN  
**22-041-28**  
28 cm / 11"  
45 x 60 mm



$\frac{1}{3}$

OCHSNER  
**22-042-30** 30 mm  
**22-042-40** 40 mm  
**22-042-50** 50 mm  
33 cm / 13"

Flexible



HABERER  
**22-043-20**  
20 cm / 8", 17/25 mm  
**22-043-28**  
28 cm / 11", 25/30 mm  
**22-043-30**  
30 cm / 12", 37/45 mm

Flexible

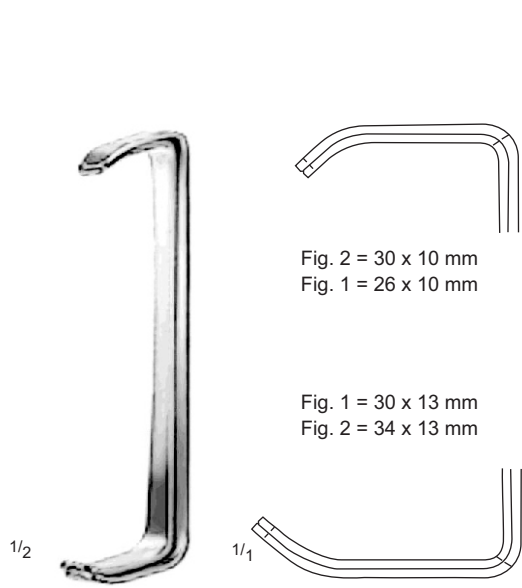


Fig. 2 = 30 x 10 mm  
Fig. 1 = 26 x 10 mm

Fig. 1 = 30 x 13 mm  
Fig. 2 = 34 x 13 mm

FARABEU  
22-046-12 – Set of 2  
12 cm / 4 3/4"

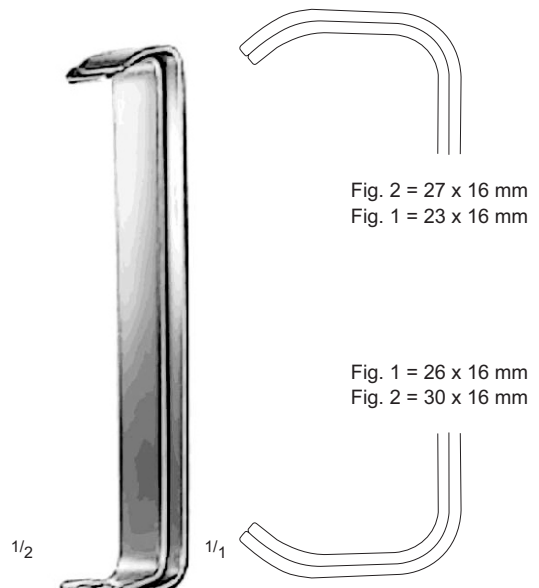


Fig. 2 = 27 x 16 mm  
Fig. 1 = 23 x 16 mm

Fig. 1 = 26 x 16 mm  
Fig. 2 = 30 x 16 mm

FARABEU  
22-047-15 – Set of 2  
15 cm / 6"

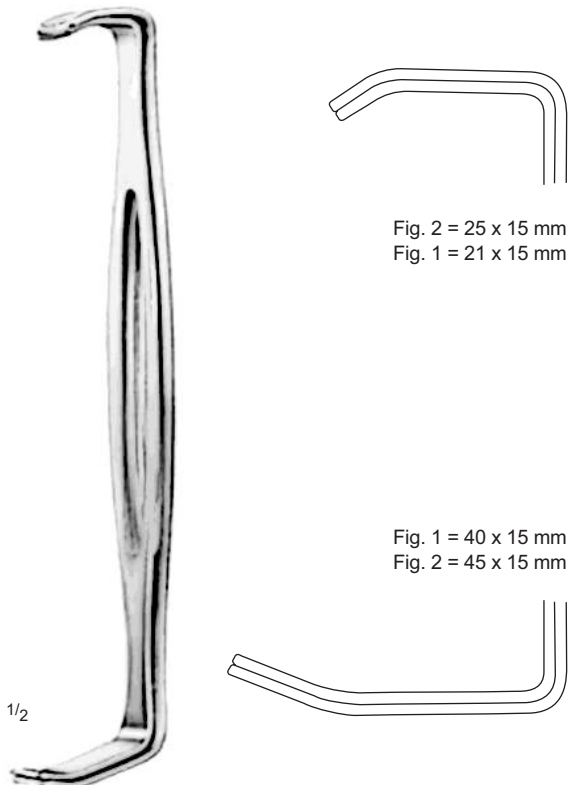


Fig. 2 = 25 x 15 mm  
Fig. 1 = 21 x 15 mm

Fig. 1 = 40 x 15 mm  
Fig. 2 = 45 x 15 mm

PARKER - LANGENBECK  
22-048-21 – Set of 2  
21 cm / 8 1/4"

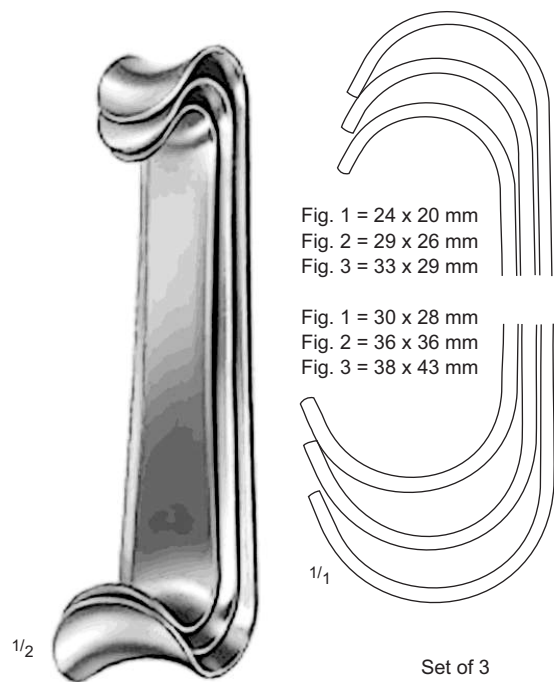


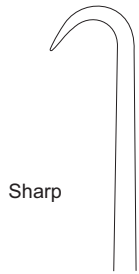
Fig. 1 = 24 x 20 mm  
Fig. 2 = 29 x 26 mm  
Fig. 3 = 33 x 29 mm

Fig. 1 = 30 x 28 mm  
Fig. 2 = 36 x 36 mm  
Fig. 3 = 38 x 43 mm

ROUX  
22-049-01 – Fig 1 = 15 cm / 6"  
22-049-02 – Fig 2 = 16 cm / 6 1/4"  
22-049-03 – Fig 3 = 17 cm / 6 3/4"

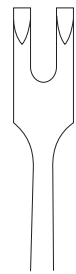
Set of 3  
22-049-00

Retractors, Hooks

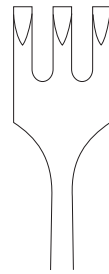


Sharp

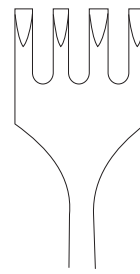
22-057-01



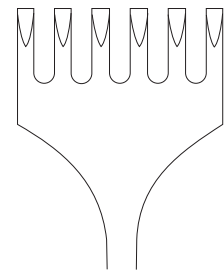
22-057-02



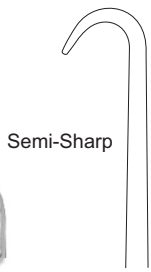
22-057-03



22-057-04



22-057-05

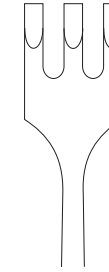


Semi-Sharp

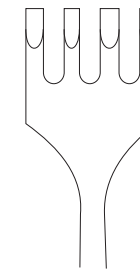
22-058-01



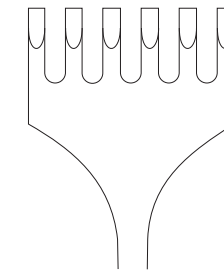
22-058-02



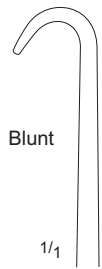
22-058-03



22-058-04



22-058-05



Blunt

1/1

1/1

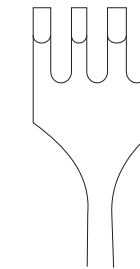
22-059-01



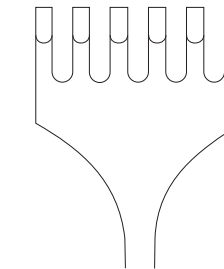
22-059-02



22-059-03



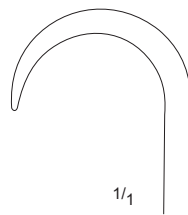
22-059-04



22-059-05

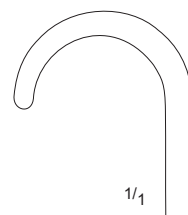
1/2

VOLKMANN  
22-057-21 – 22-059-22  
22 cm / 8 3/4"



1/1

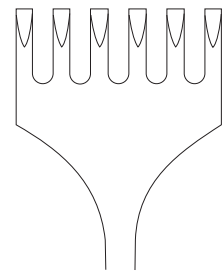
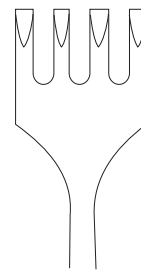
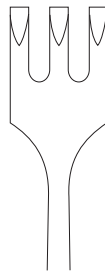
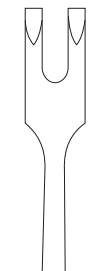
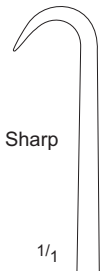
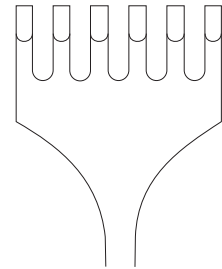
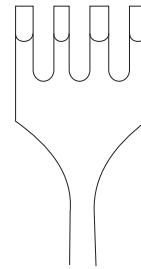
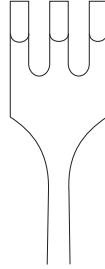
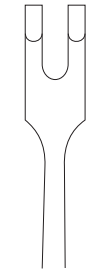
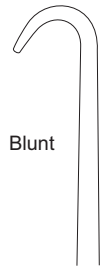
22-061-22  
22 cm / 8 3/4"



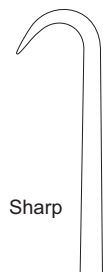
1/1

22-062-22  
22 cm / 8 3/4"

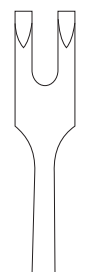




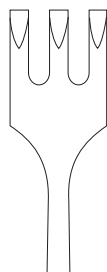
VOLKMANN  
22-063-02 – 22-064-06  
21.5 cm / 8 1/2"



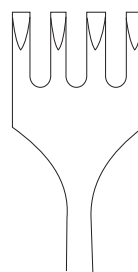
Sharp



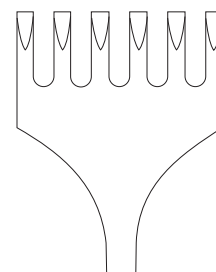
22-065-02



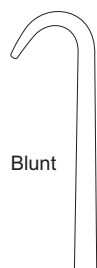
22-065-03



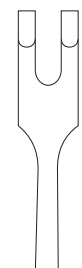
22-065-04



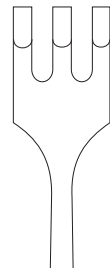
22-065-06



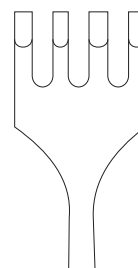
Blunt



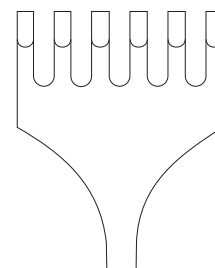
22-066-02



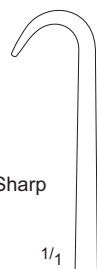
22-066-03



22-066-04

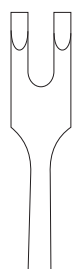


22-066-06

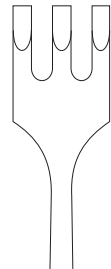


Semi Sharp

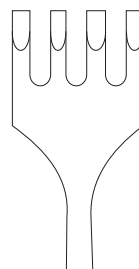
1/4



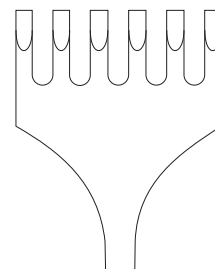
22-067-02



22-067-03



22-067-04

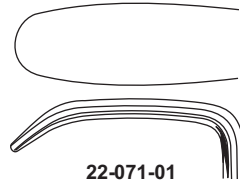


22-067-06

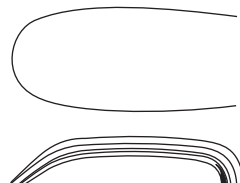


1/2

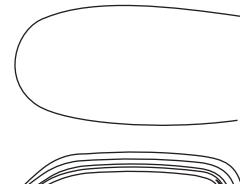
KOCHER  
22-065-02 – 22-066-06  
22 cm / 8 3/4"



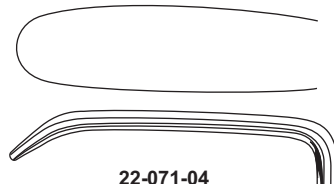
22-071-01  
22-072-01  
30 x 11 mm



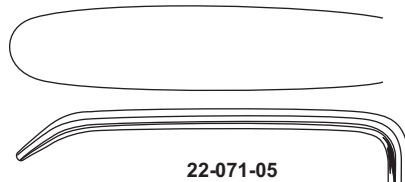
22-071-02  
22-072-02  
30 x 14 mm



22-071-03  
22-072-03  
30 x 16 mm



22-071-04  
22-072-04  
40 x 11 mm



1/1  
22-071-05  
22-072-05  
50 x 11 mm



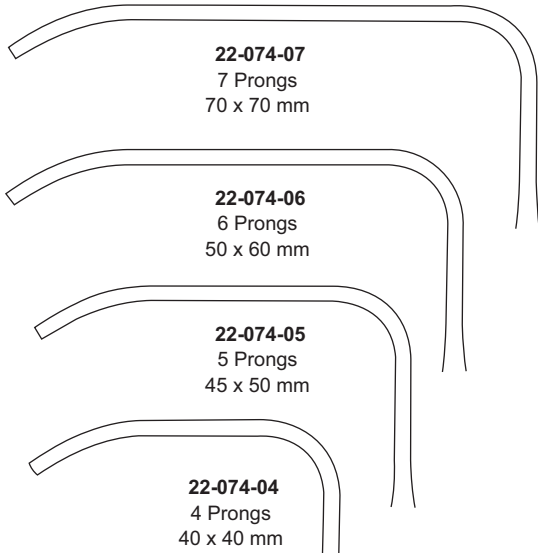
1/2

LANGENBECK  
22-071-01 – 22-071-05  
21 cm / 8 1/4"

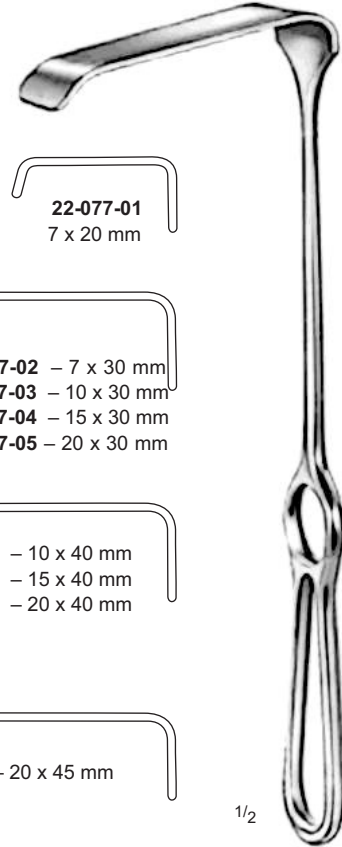


1/2

LANGENBECK  
22-072-01 – 22-072-05  
21 cm / 8 1/4"



ISRAEL  
22-074-04 – 22-074-07  
25 cm / 10"



**22-077-01**  
7 x 20 mm

**22-077-02** – 7 x 30 mm  
**22-077-03** – 10 x 30 mm  
**22-077-04** – 15 x 30 mm  
**22-077-05** – 20 x 30 mm

**22-077-06** – 10 x 40 mm  
**22-077-07** – 15 x 40 mm  
**22-077-08** – 20 x 40 mm

**22-077-09** – 20 x 45 mm

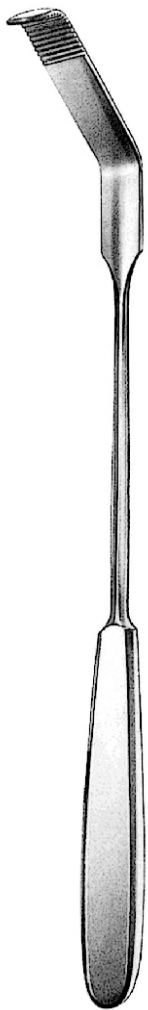
**22-077-10** – 10 x 50 mm  
**22-077-11** – 15 x 50 mm

**22-077-12** – 20 x 60 mm

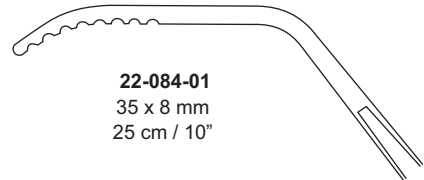
**22-077-13** – 15 x 80 mm  
**22-077-14** – 20 x 80 mm

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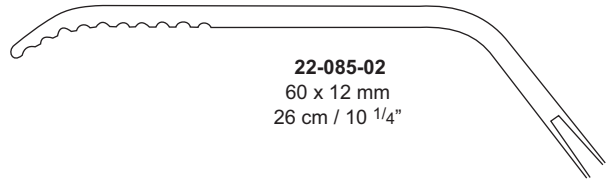
LANGENBECK-KOCHER  
22-077-01 – 22-077-14  
21 cm / 8 1/4"



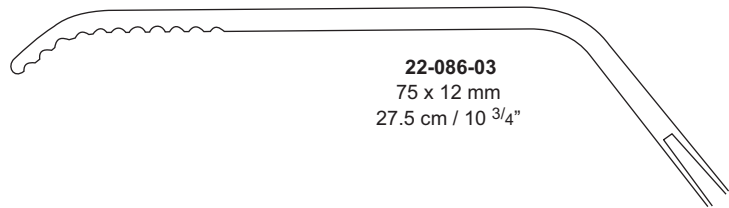
ZENKER  
22-084-01 – 22-084-05



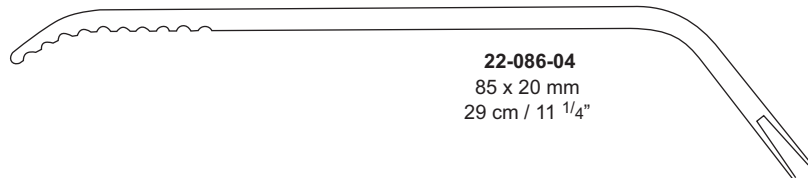
**22-084-01**  
35 x 8 mm  
25 cm / 10"



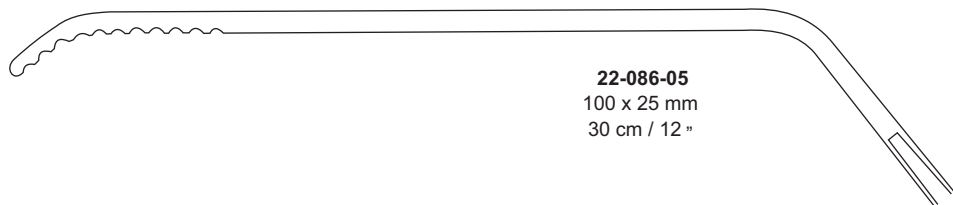
**22-085-02**  
60 x 12 mm  
26 cm / 10 1/4"



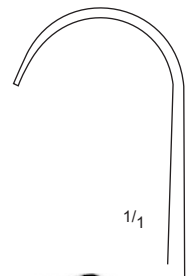
**22-086-03**  
75 x 12 mm  
27.5 cm / 10 3/4"



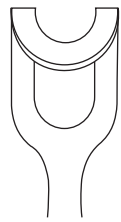
**22-086-04**  
85 x 20 mm  
29 cm / 11 1/4"



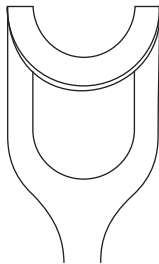
**22-086-05**  
100 x 25 mm  
30 cm / 12"



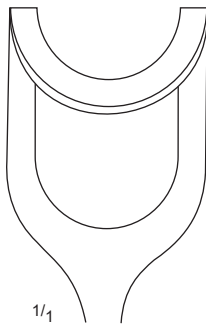
MIDDELDORPF  
22-088-01 – 22-088-03



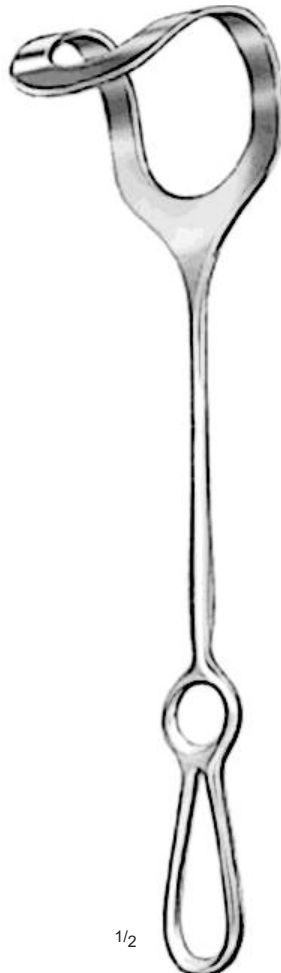
22-088-01  
17 x 14 mm  
19.5 cm / 7 3/4"



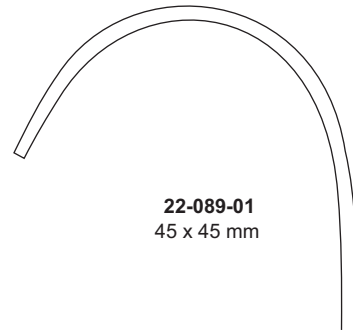
22-088-02  
22 x 20 mm  
20.5 cm / 8"



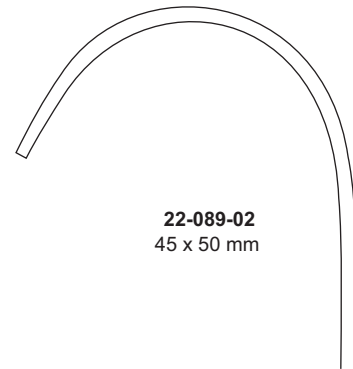
22-088-03  
30 x 26 mm  
23 cm / 9"



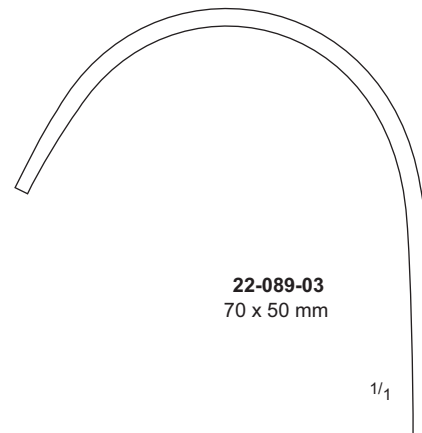
MIDDELDROPF  
22-089-01 – 22-089-03  
27.5 cm / 10 3/4"



22-089-01  
45 x 45 mm



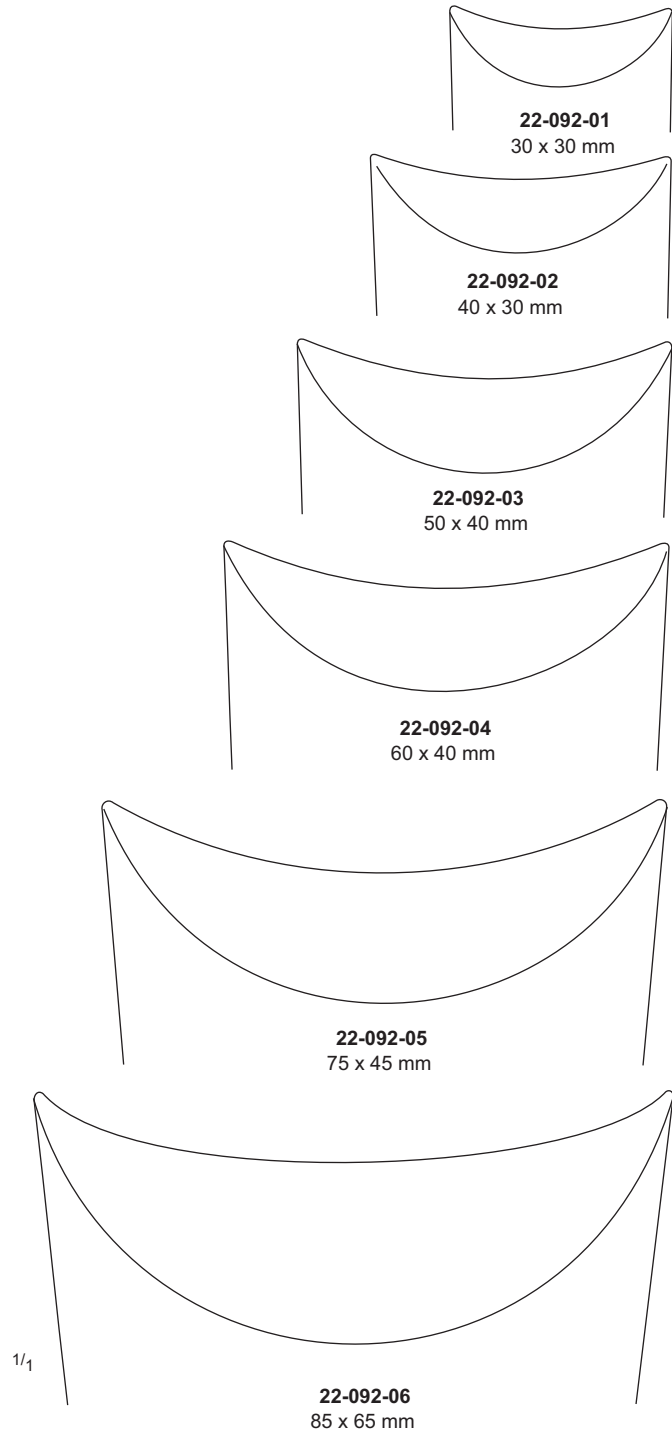
22-089-02  
45 x 50 mm

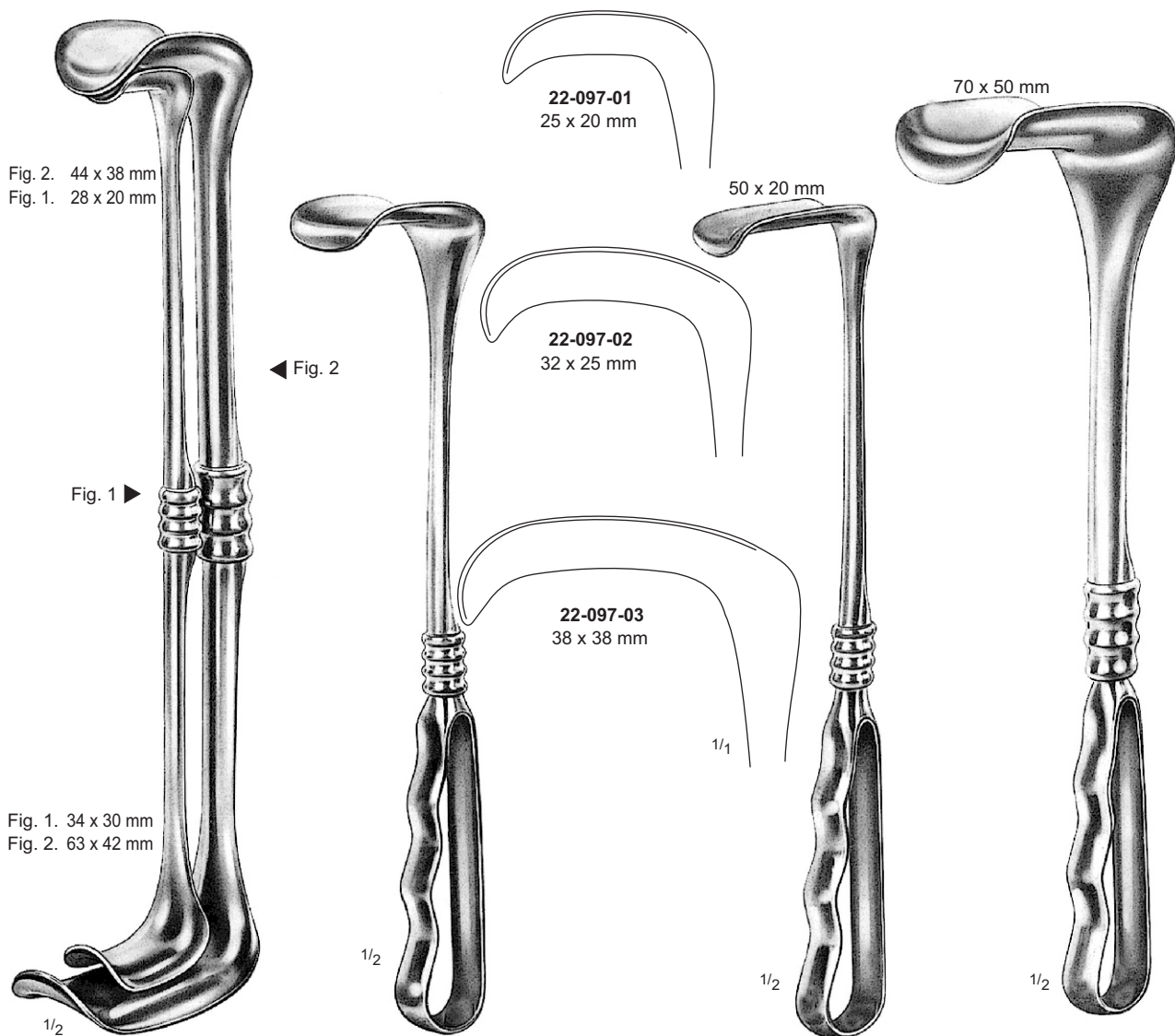


22-089-03  
70 x 50 mm



FRITSCH  
22-091-01 – 22-091-06  
23 cm / 9"





RICHARDSON-EASTMAN  
22-096-00

complete set

22-096-01 Fig 1 = 26 cm / 10 1/4"

22-096-02 Fig 2 = 28 cm / 11"

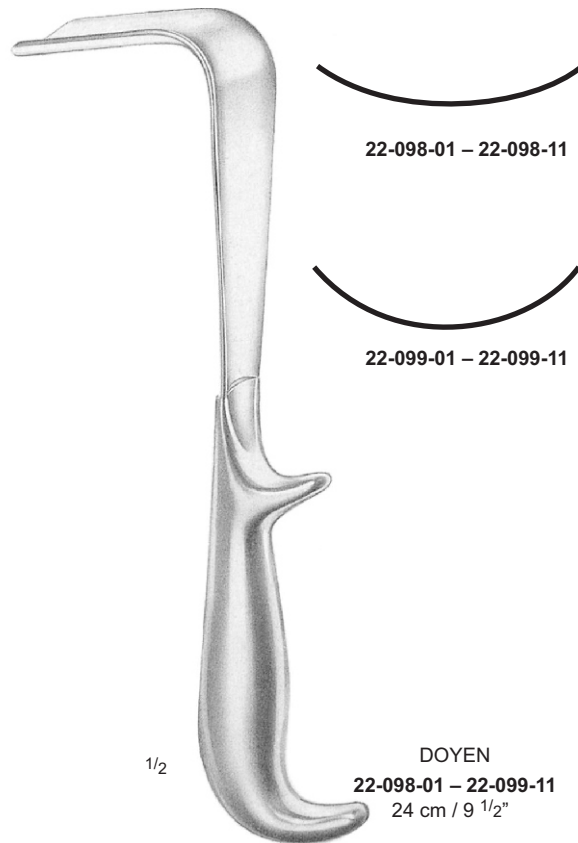
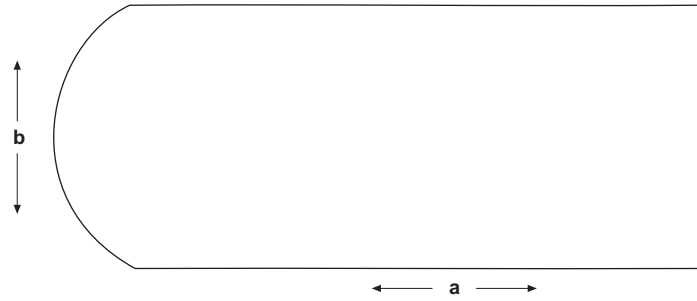
RICHARDSON  
22-097-01 – 22-097-03  
24 cm / 9 1/2"

RICHARDSON  
22-097-04  
24 cm / 9 1/2"

KELLY  
22-102-26  
26 cm / 10 1/4"

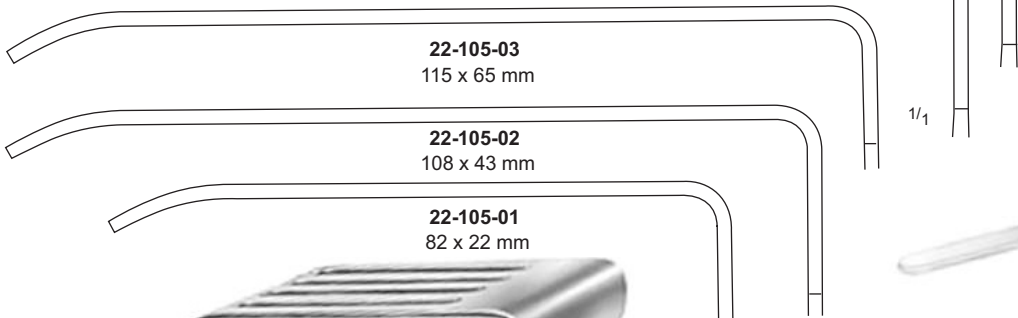
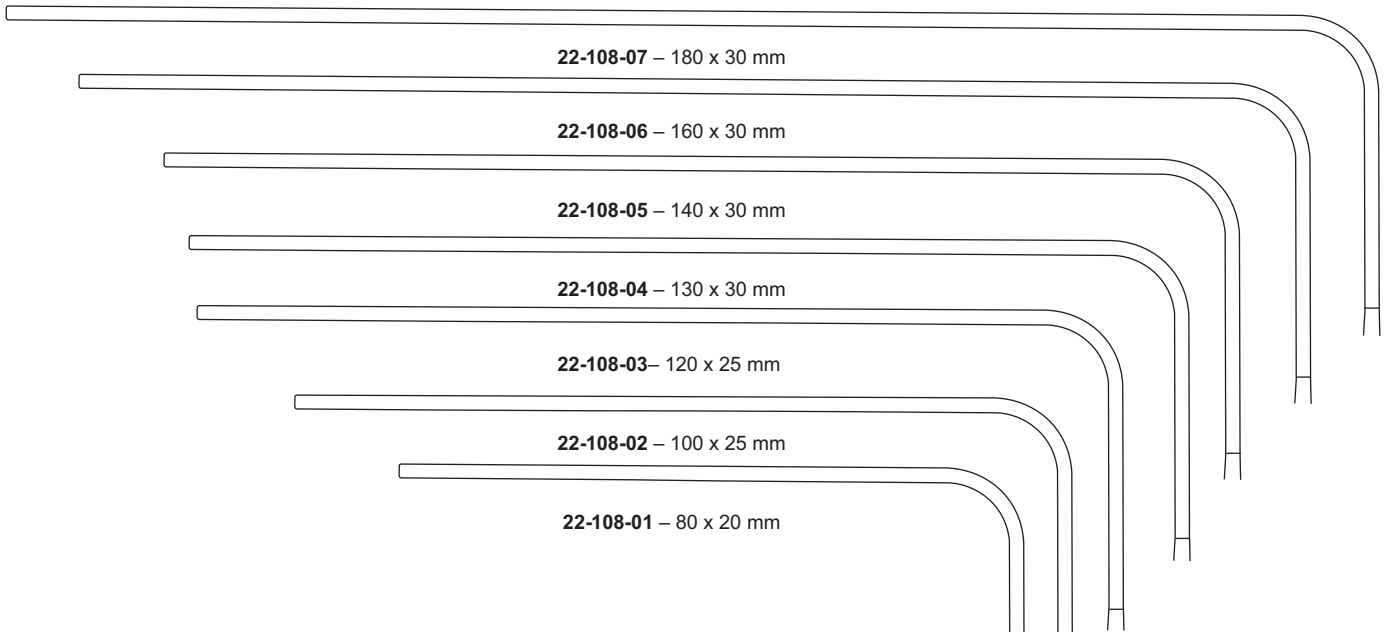


Retractors



| a<br>mm | b<br>mm | Slightly<br>Concave | Medium<br>Hollow |
|---------|---------|---------------------|------------------|
| 55      | 35      | 22-098-01           | 22-099-01        |
| 85      | 35      | 22-098-02           | 22-099-02        |
| 115     | 35      | 22-098-03           | 22-099-03        |
| 55      | 45      | 22-098-04           | 22-099-04        |
| 85      | 45      | 22-098-05           | 22-099-05        |
| 115     | 45      | 22-098-06           | 22-099-06        |
| 160     | 45      | 22-098-07           | 22-099-07        |
| 55      | 60      | 22-098-08           | 22-099-08        |
| 85      | 60      | 22-098-09           | 22-099-09        |
| 115     | 60      | 22-098-10           | 22-099-10        |
| 160     | 60      | 22-098-11           | 22-099-11        |

Retractors



CORYLLOS  
22-105-01 – 22-105-03  
24 cm / 9 1/2"

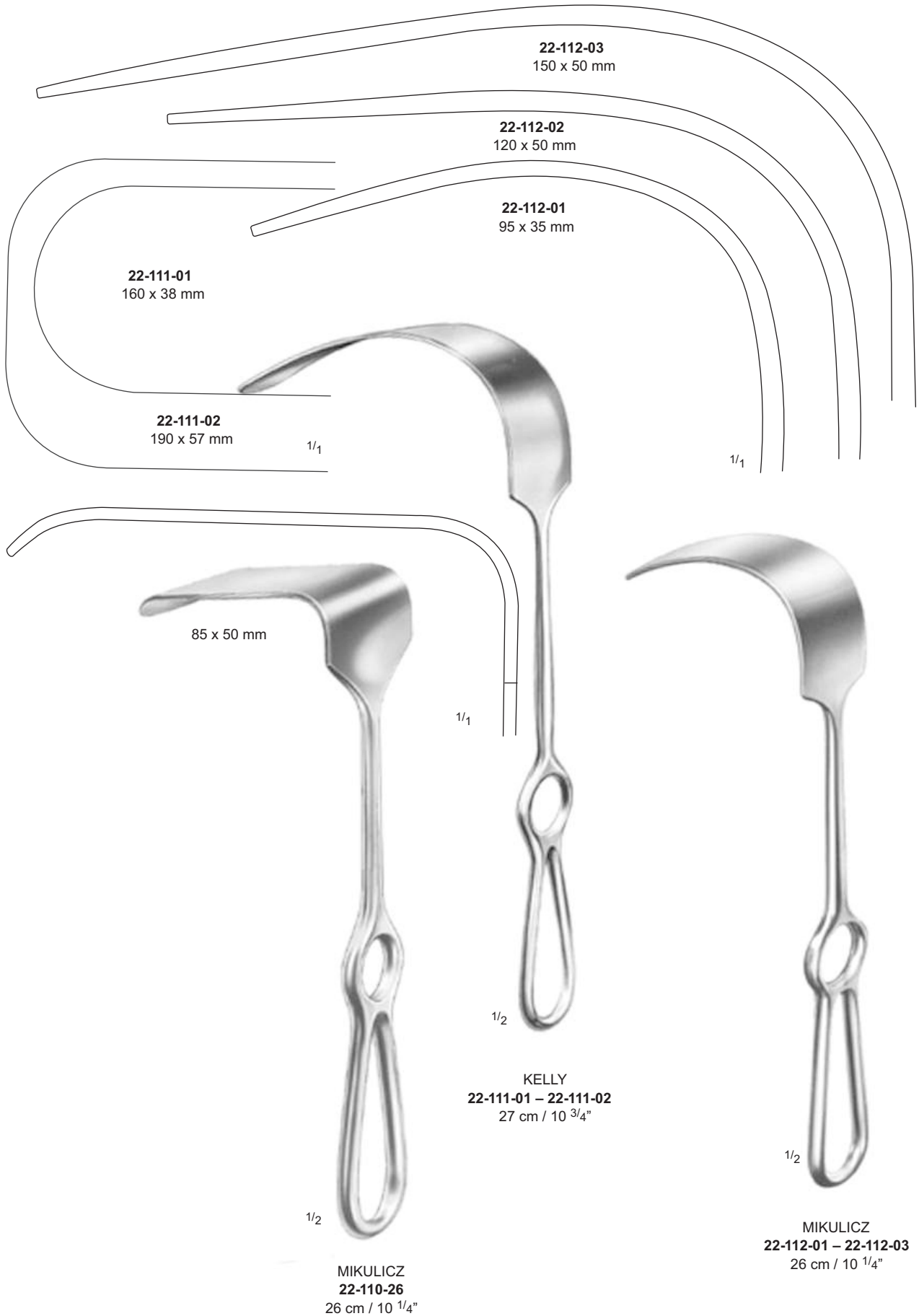
1/2



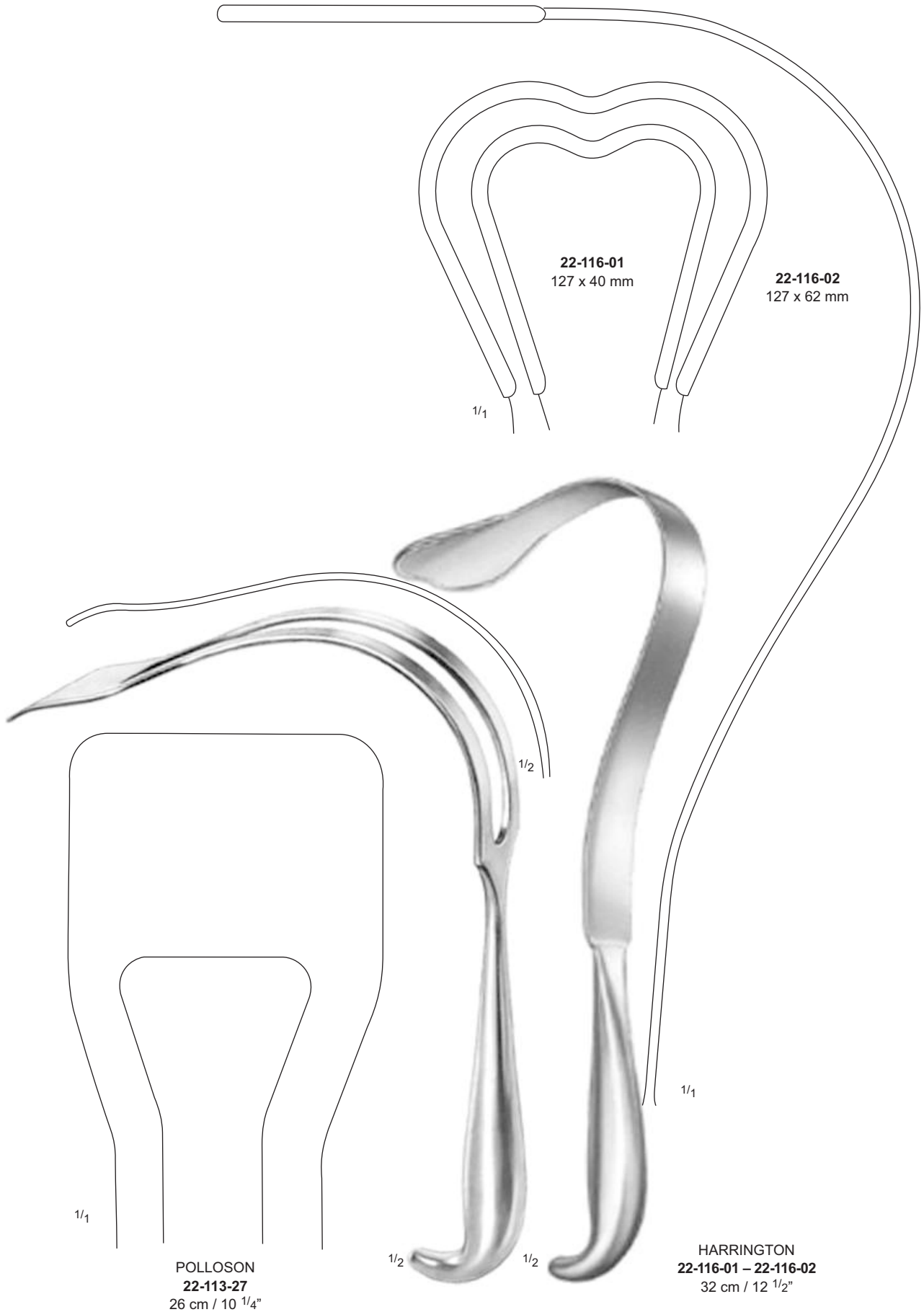
BRUNNER  
22-108-01 – 22-108-07  
25 cm / 10"

1/2

Splanchnic Retractors



Splanchnic Retractors



Deaver Retractors



DEAVER  
22-117-01  
18 cm / 7"

DEAVER  
22-117-02  
22 cm / 8 3/4"

DEAVER  
22-117-03  
23 cm / 9"

DEAVER  
22-117-04  
30 cm / 12"

DEAVER  
22-117-05  
33 cm / 13"

DEAVER  
22-118-06  
35 cm / 13 3/4"

Deaver Retractors



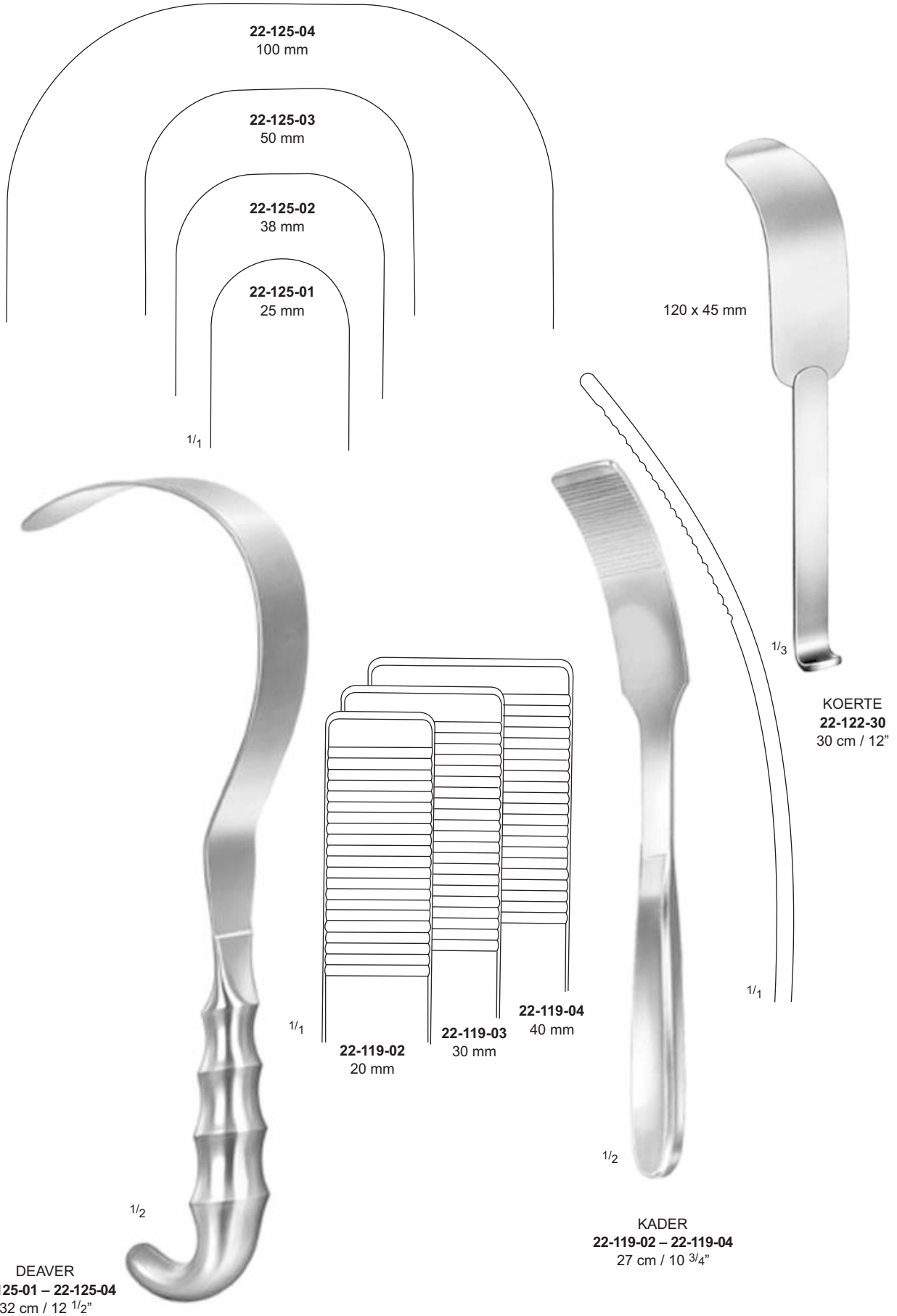
**22-118-01**  
30 cm / 12"

**22-118-02**  
30 cm / 12"

**22-118-03 – 75 mm**  
30 cm / 12"

**22-118-04 – 100 mm**  
30 cm / 12"

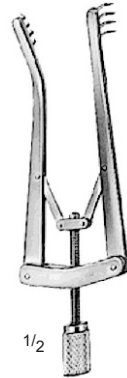
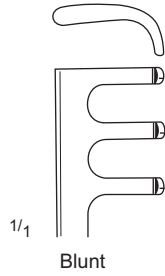
Abdominal Retractors, Spatula



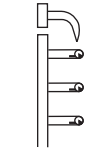
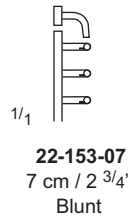
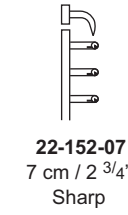
Self-retaining Retractors



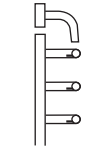
JANSEN  
22-150-10  
10 cm / 4"  
3 x 3 teeth



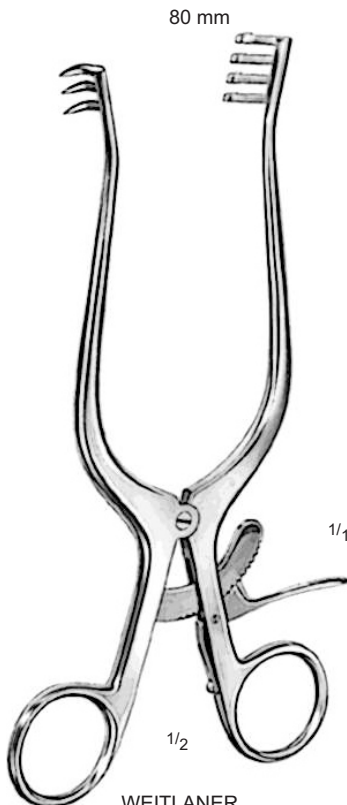
ALM  
22-152-07 – 22-153-10  
4 X 4 teeth



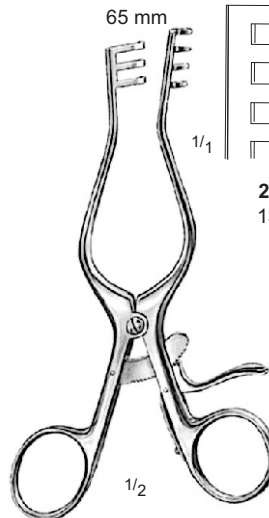
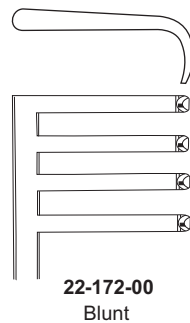
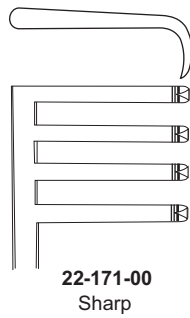
22-152-10  
10 cm / 4"  
Sharp



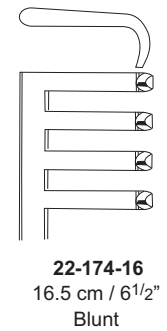
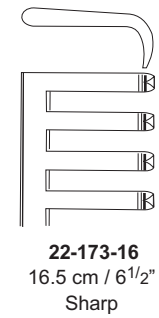
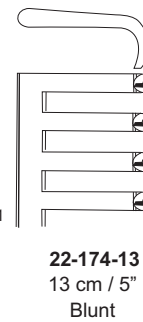
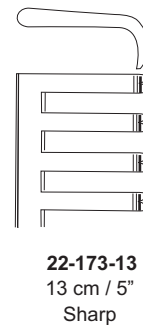
22-153-10  
10 cm / 4"  
Blunt



WEITLANER  
22-171-00 – 22-172-00  
20 cm / 8"  
3 x 4 teeth

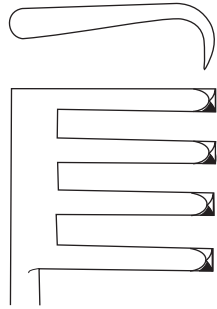


WEITLANER  
22-173-13 – 22-174-16  
3 x 4 teeth

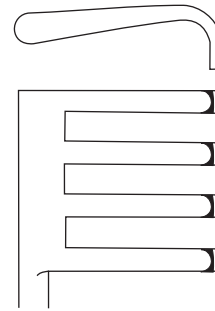




Self-retaining Retractors



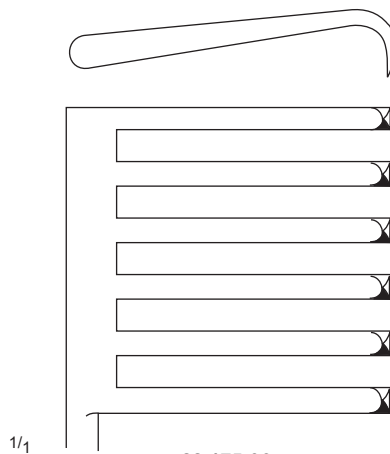
**22-175-04**  
Sharp  
3 x 4 teeth



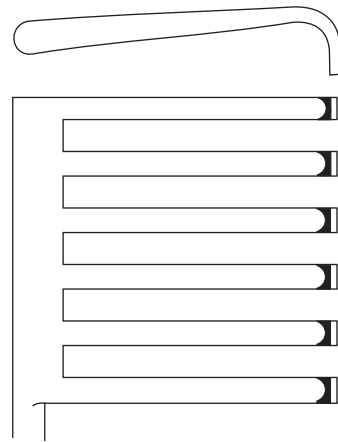
**22-176-04**  
Blunt  
3 x 4 teeth



ADSON  
22-175-26 – 22-238-37  
26.5 cm / 10 1/2"

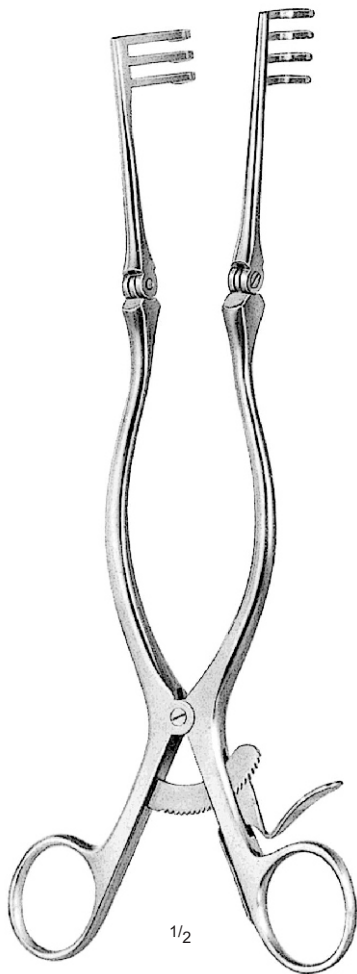


**22-175-06**  
Sharp  
6 x 6 teeth

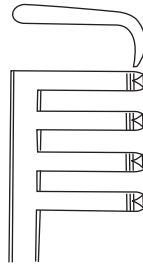


**22-176-06**  
Blunt  
6 x 6 teeth

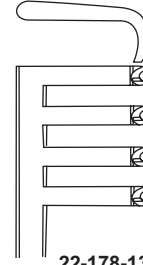
Self-retaining Retractors



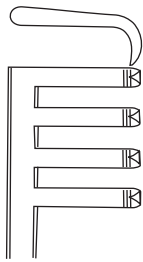
ADSON  
22-177-13 – 22-178-27  
3 x 4 teeth



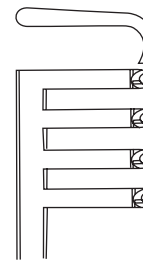
22-177-13  
13 cm / 5"



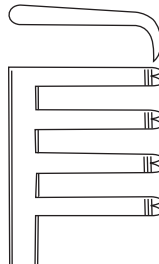
22-178-13  
13 cm / 5"



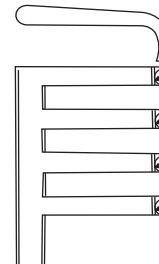
22-177-16  
16 cm / 6 1/4"



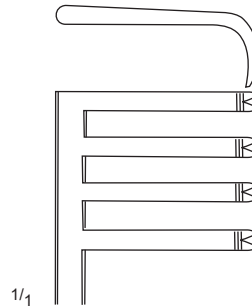
22-178-16  
16 cm / 6 1/4"



22-177-20  
20 cm / 8"

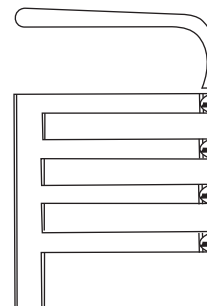


22-178-20  
20 cm / 8"



22-177-26  
26 cm / 10 1/4"

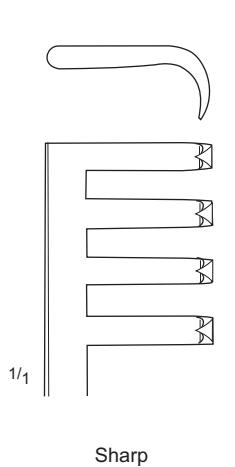
Sharp



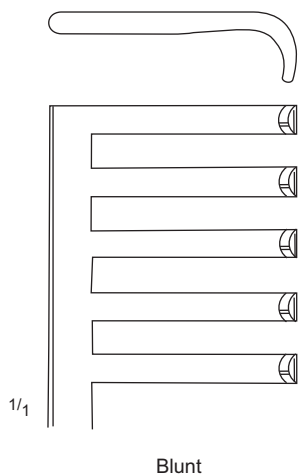
22-178-26  
26 cm / 10 1/4"

Blunt

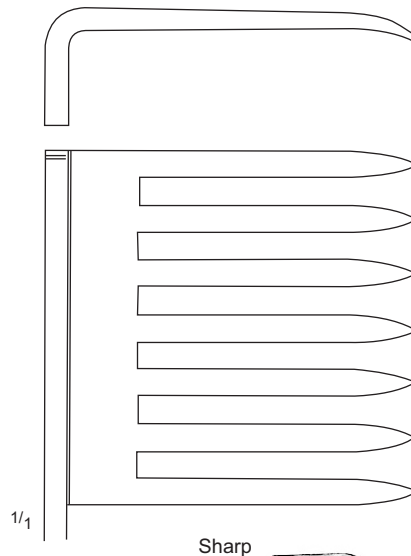
Self-retaining Retractors



Sharp



Blunt



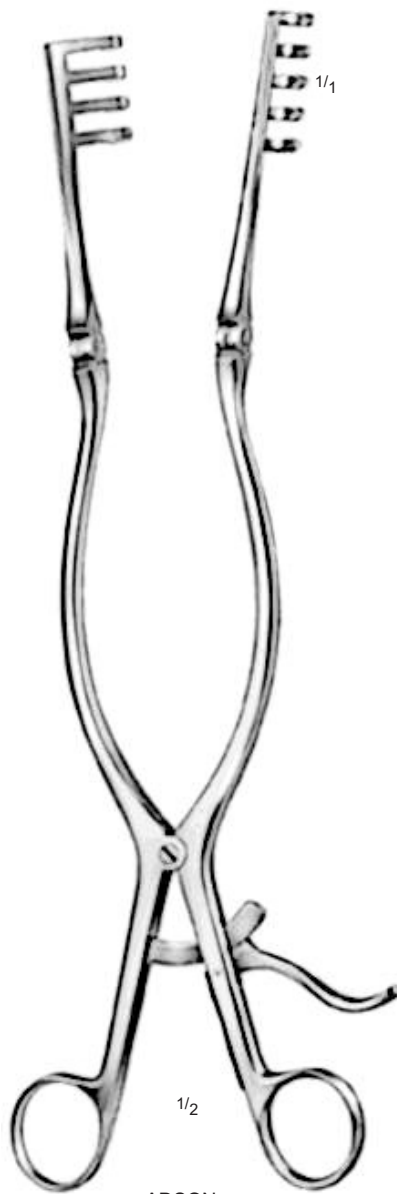
Sharp

150

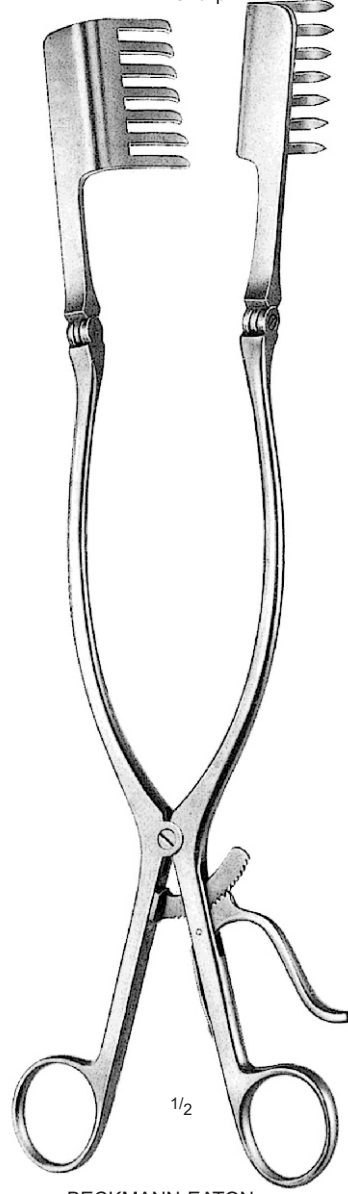
150 mm



**BECKMANN**  
**22-181-31**  
32 cm / 12 1/4"  
4 x 4 teeth



**ADSON**  
**22-182-32**  
32 cm / 12 1/2"  
4 x 5 teeth

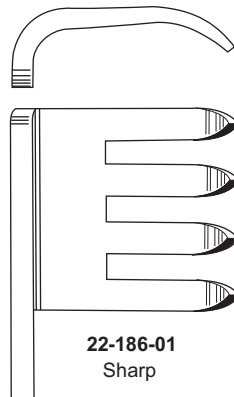


**BECKMANN-EATON**  
**22-183-32**  
32 cm / 12 1/2"  
7 x 7 teeth

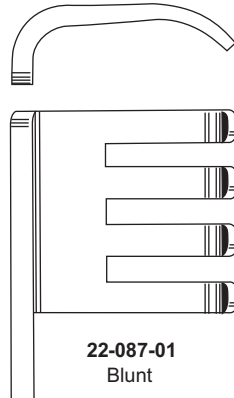
Self-retaining Retractors



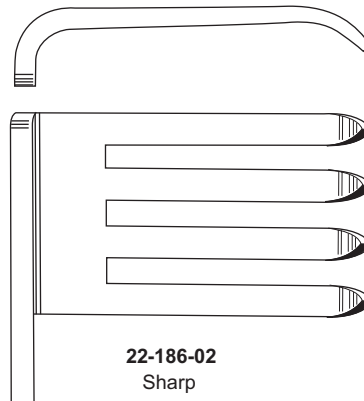
BECKMANN-ADSON  
22-186-01 – 22-187-02  
31 cm / 12 1/4"  
4 x 4 teeth



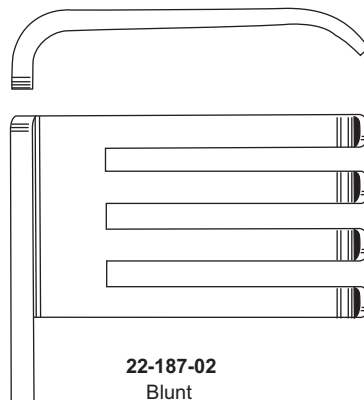
22-186-01  
Sharp



22-087-01  
Blunt

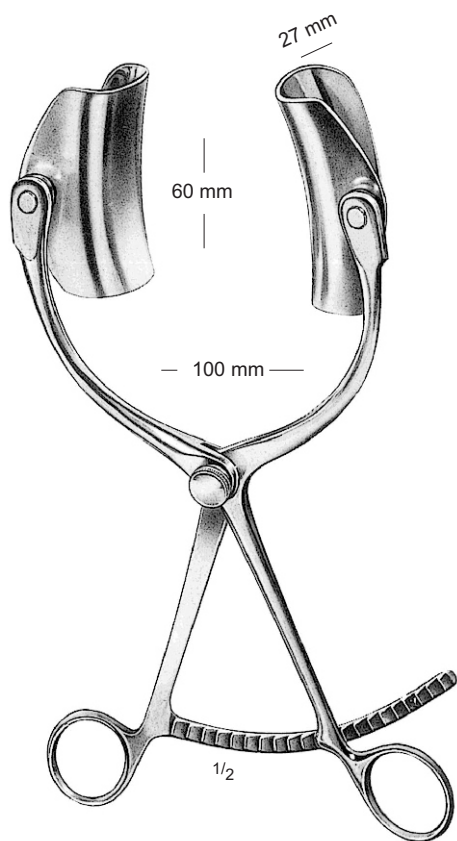
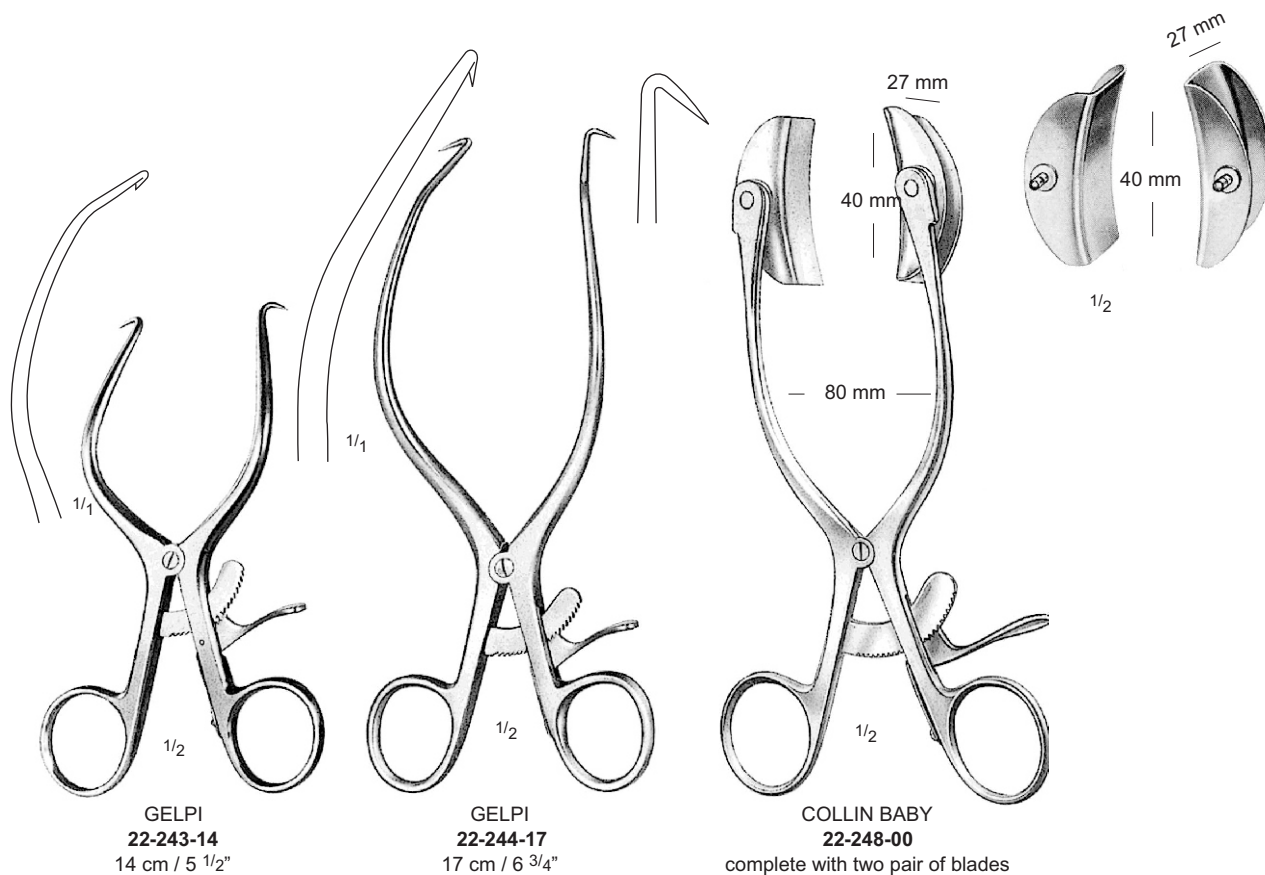


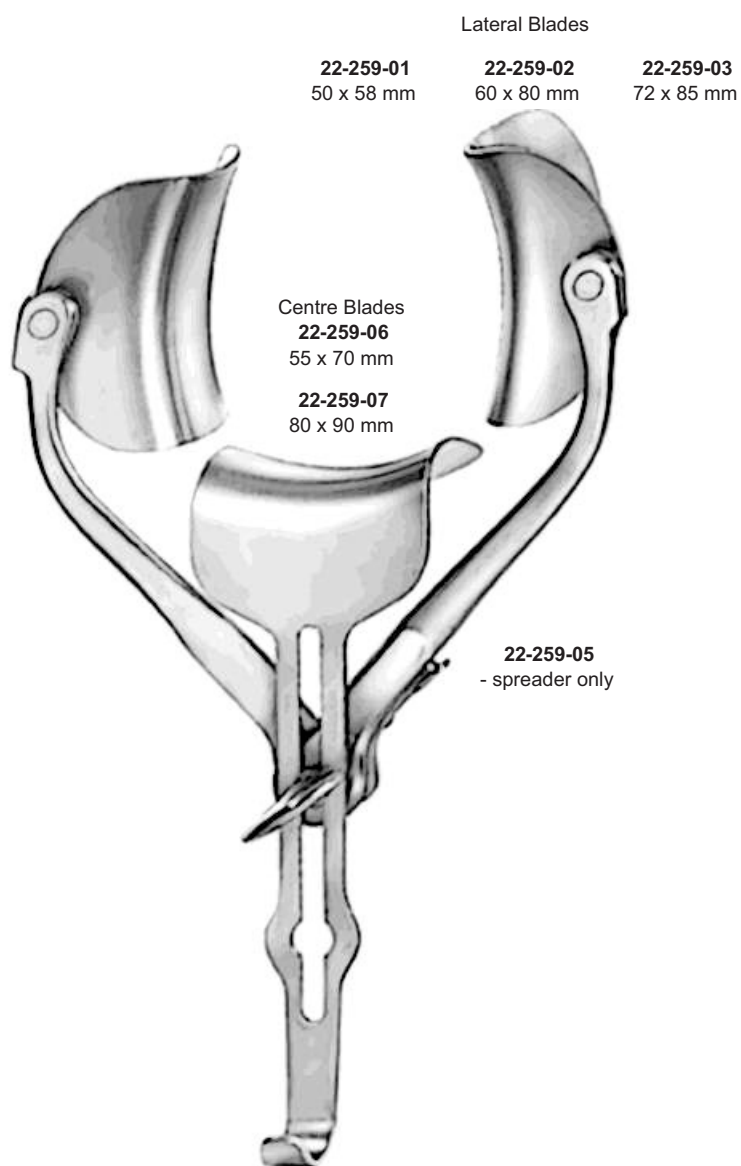
22-186-02  
Sharp



22-187-02  
Blunt

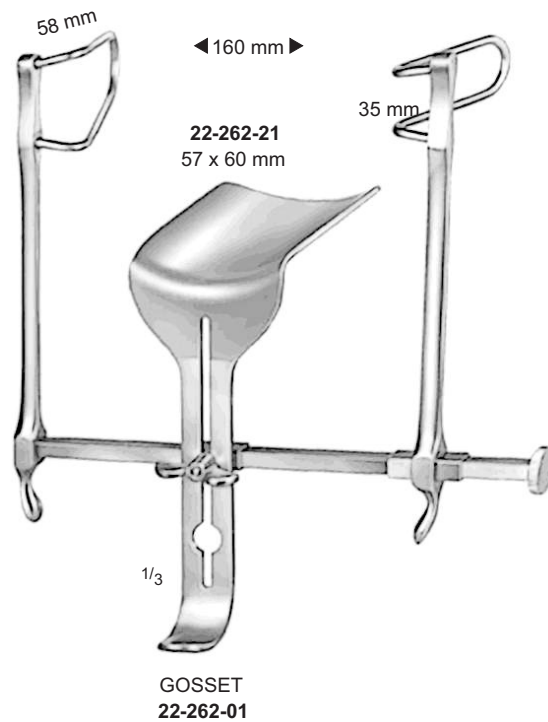
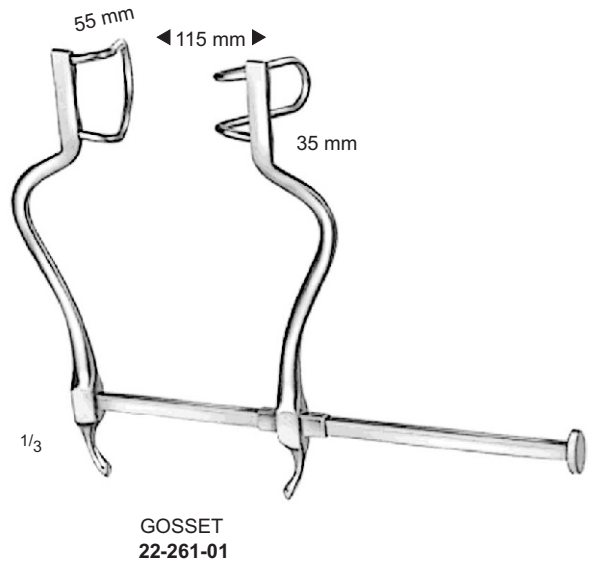
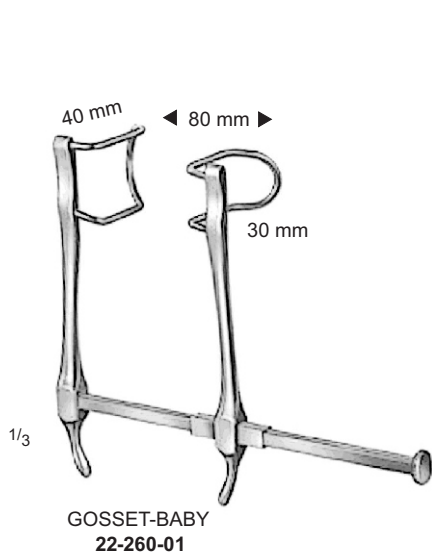
Abdominal Retractors



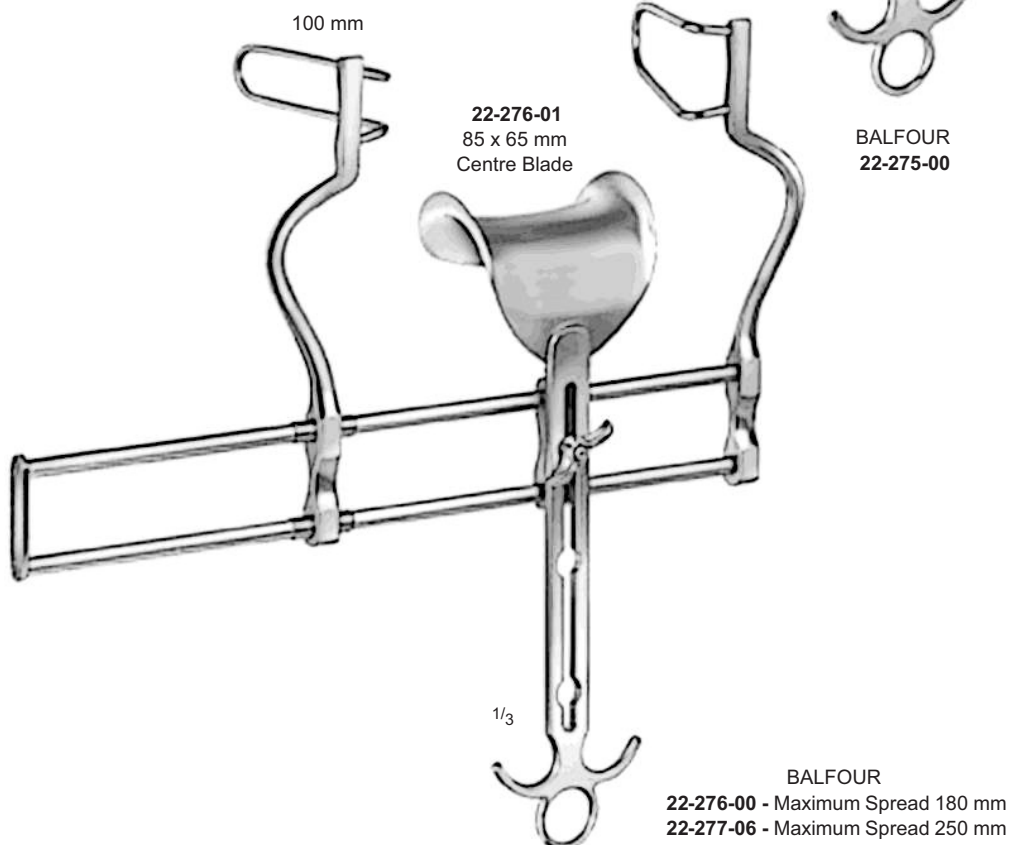
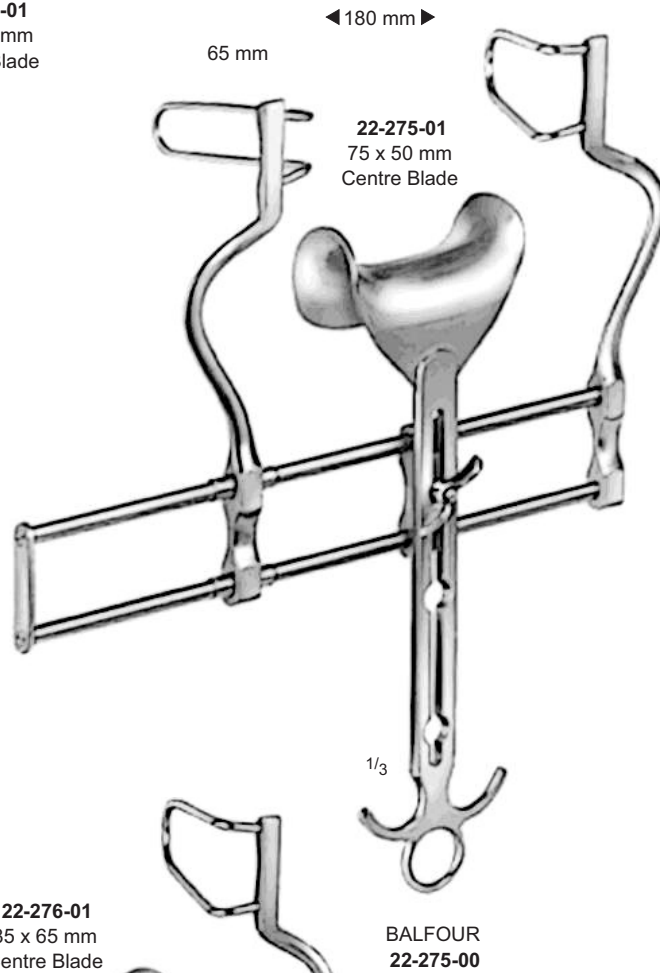
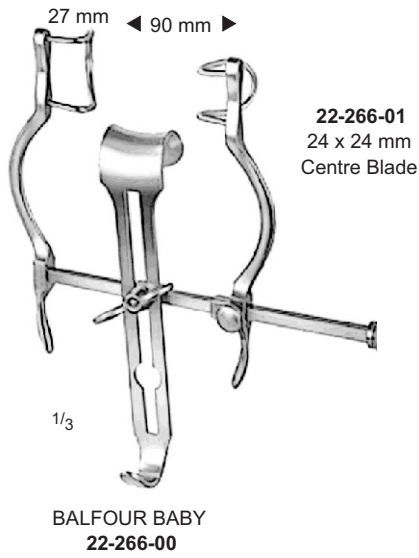


**RICARD**  
**22-259-00** – 28 cm / 11"  
**22-259-07** – 30 cm / 12"  
complete

Abdominal Retractors

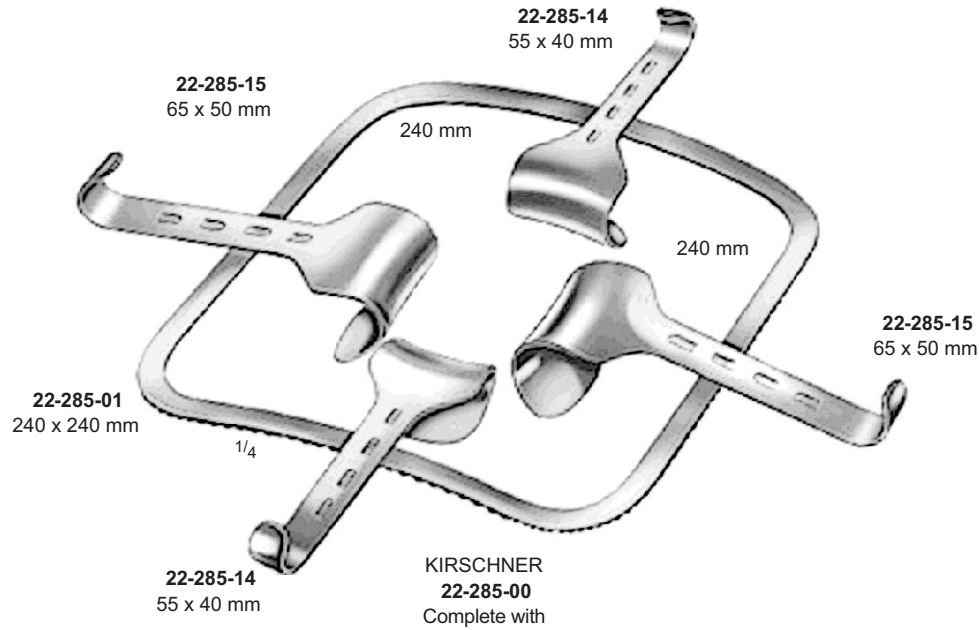


Abdominal Retractors

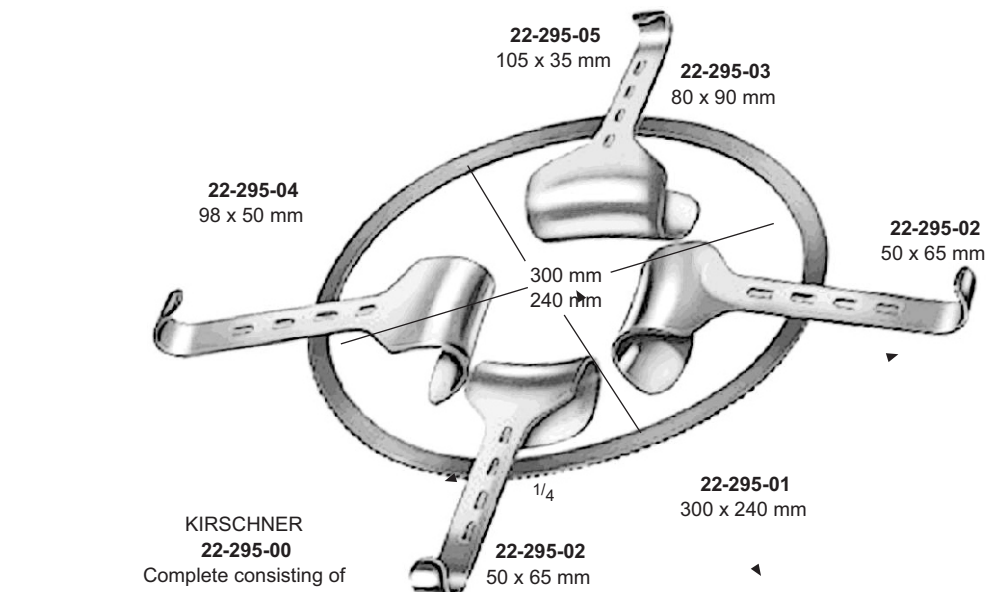




Abdominal Retractors



- KIRSCHNER  
22-285-00**  
Complete with
- 22-285-01** 1 Frame rigid - 240 x 240 mm
  - 22-285-02** 2 Hook on retractors, 65 x 50 mm
  - 22-285-03** 2 Hook on Retractors, 55 x 40 mm



- KIRSCHNER  
22-295-00**  
Complete consisting of
- 22-295-01** 1 Frame, 300 x 240 mm
  - 22-295-02** 3 hook-on retractors, 50 x 65 mm
  - 22-295-03** 1 retractor, 80 x 90 mm
  - 22-295-04** 1 retractor, 98 x 50 mm
  - 22-295-05** 1 retractor, 105 x 35 mm