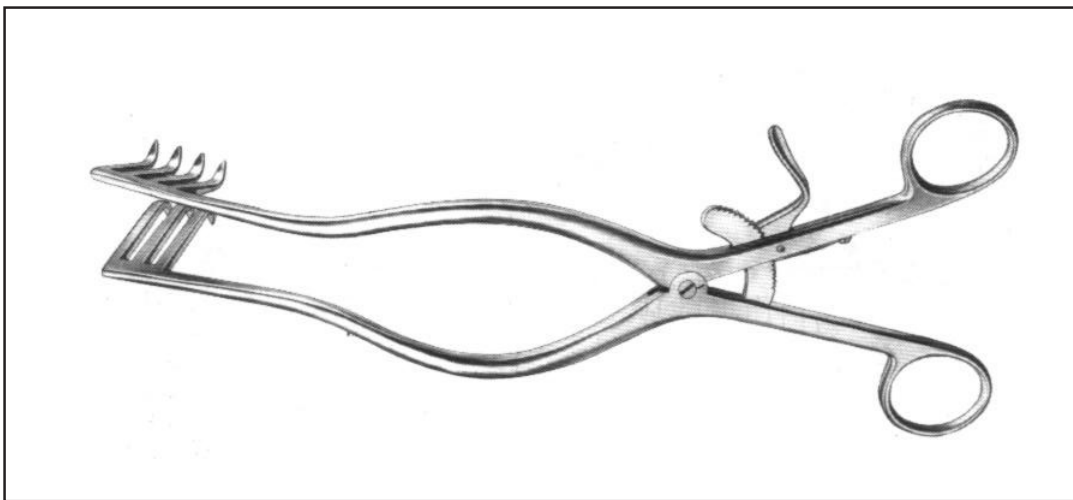


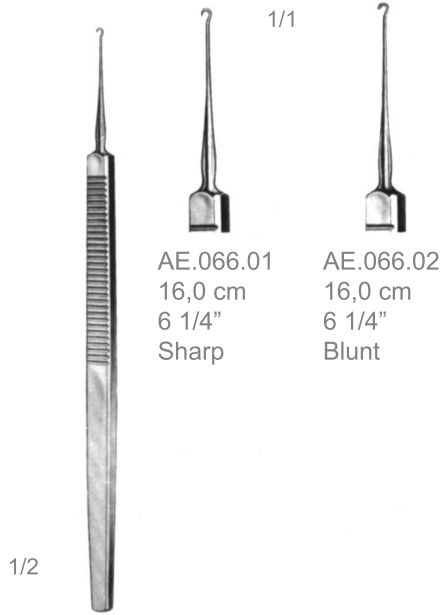
# Kolpen



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**AE**

AE



AE.066.01  
16,0 cm  
6 1/4"  
Sharp

AE.066.02  
16,0 cm  
6 1/4"  
Blunt

1/2

**AE.066.01/02**

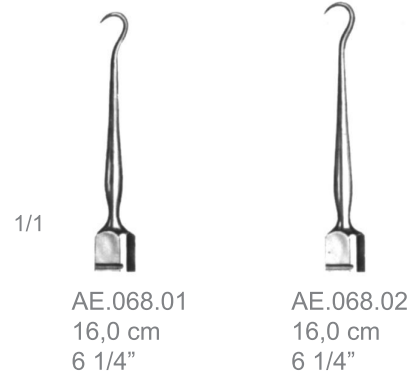
Graefe  
Retractors



1/2

**AE.068.01/04**

Graefe  
Retractors



AE.068.01  
16,0 cm  
6 1/4"

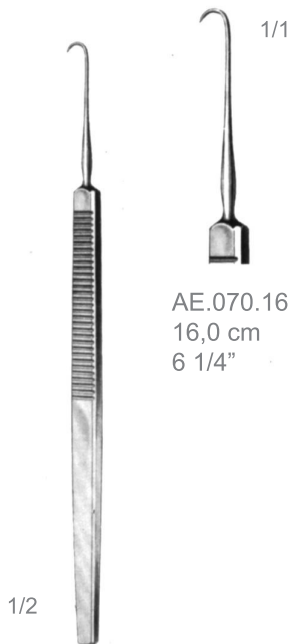
AE.068.02  
16,0 cm  
6 1/4"

1/1



AE.068.03  
16,0 cm  
6 1/4"

AE.068.04  
16,0 cm  
6 1/4"



AE.070.16  
16,0 cm  
6 1/4"

1/2

**AE.070.16**

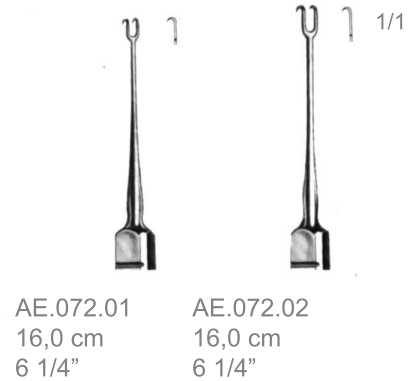
O'Connor  
Retractors



1/2

**AE.072.01/02**

Guthrie  
Retractors



AE.072.01  
16,0 cm  
6 1/4"

AE.072.02  
16,0 cm  
6 1/4"

1/1

Retractors


WUNDHAKEN - SEPARADORES

# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**

1/1



Sharp


AE.074.01  
16,0 cm  
6 1/4"



AE.074.02  
16,0 cm  
6 1/4"



AE.074.03  
16,0 cm  
6 1/4"




AE.074.04  
16,0 cm  
6 1/4"

1/2


**AE.074.01/04**  
Retractors

1/1




Blunt


AE.075.01  
16,0 cm  
6 1/4"



AE.075.02  
16,0 cm  
6 1/4"



AE.075.03  
16,0 cm  
6 1/4"




AE.075.04  
16,0 cm  
6 1/4"

1/2

**AE.075.01/04**  
Retractors

1/1




AE.078.02  
16,0 cm  
6 1/4"




AE.079.02  
16,0 cm  
6 1/4"



AE.078.03  
16,0 cm  
6 1/4"



AE.079.03  
16,0 cm  
6 1/4"



AE.078.04  
16,0 cm  
6 1/4"




AE.079.04  
16,0 cm  
6 1/4"


1/2

**AE.078.02/04**  
**AE.079.02/04**  
Retractors  
Flexible

1/1



AE.086.04  
16,0 cm  
6 1/4"  
Sharp

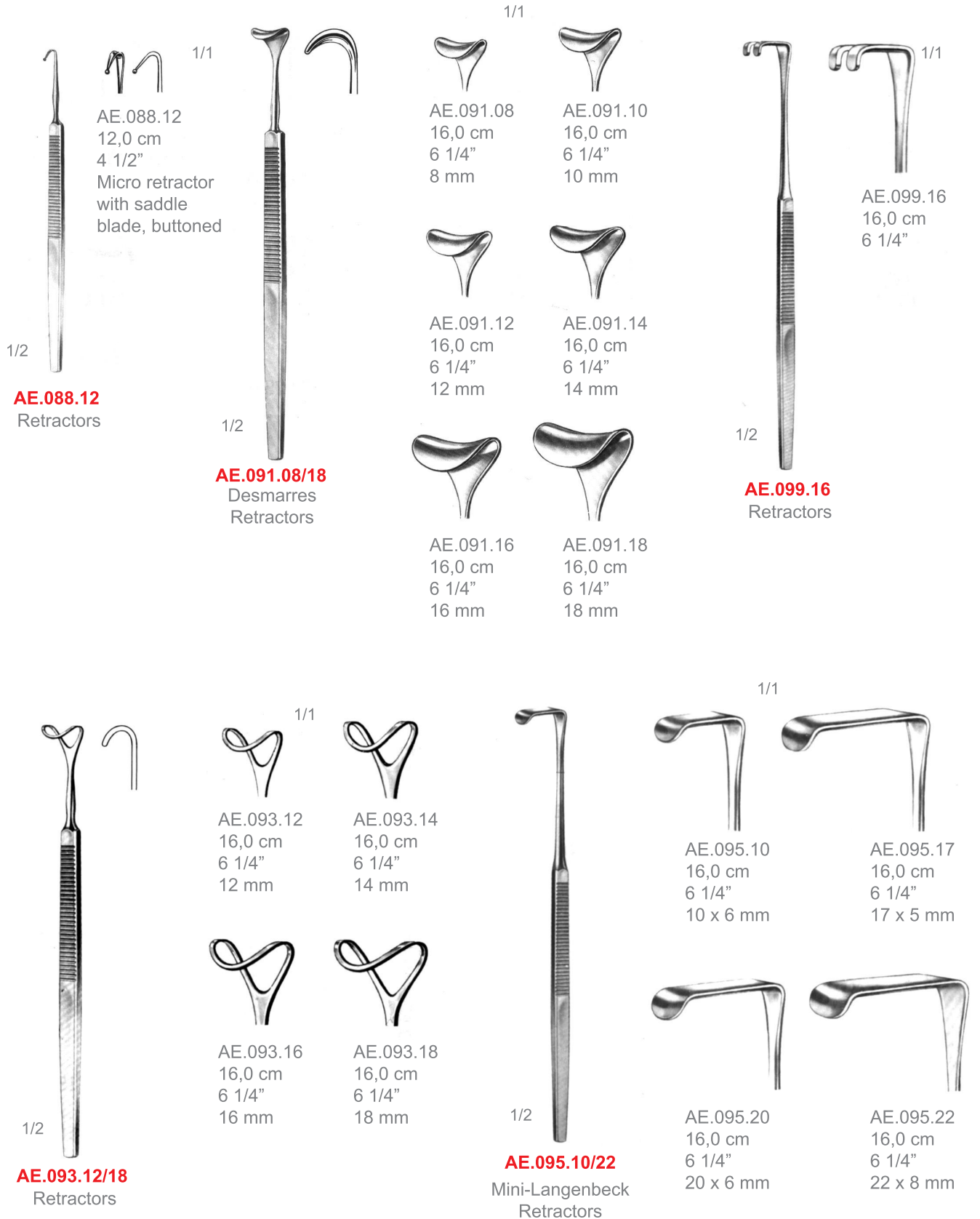


AE.086.04  
16,0 cm  
6 1/4"  
Blunt

1/2

**AE.086.04**  
**AE.087.04**  
Retractors

**AE**



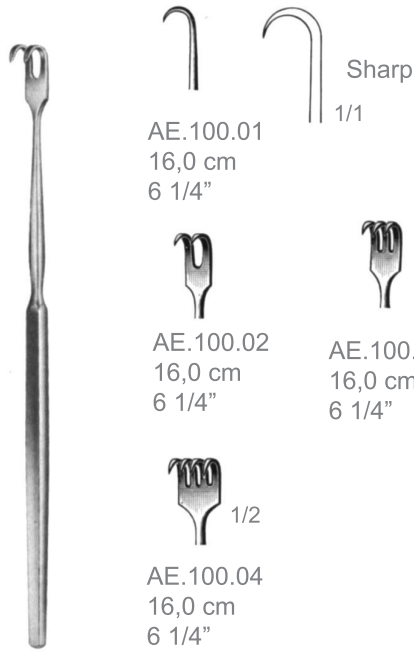
Retractors

WUNDHAKEN - SEPARADORES

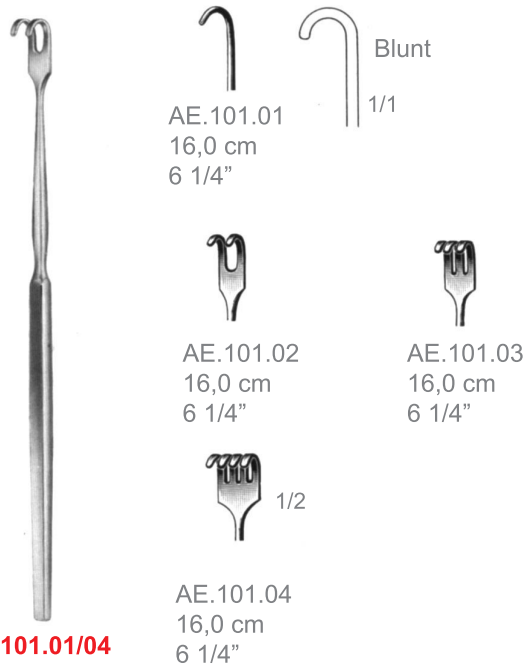
# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**



**AE.100.01/04**  
Retractors



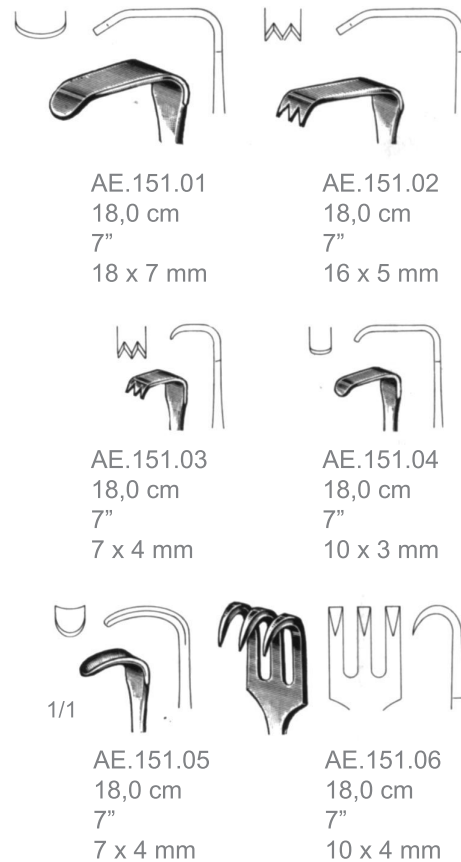
**AE.101.01/04**  
Retractors



**AE.102.01/04**  
Retractors



**AE.151.01/06**  
Meyerding  
Retractors



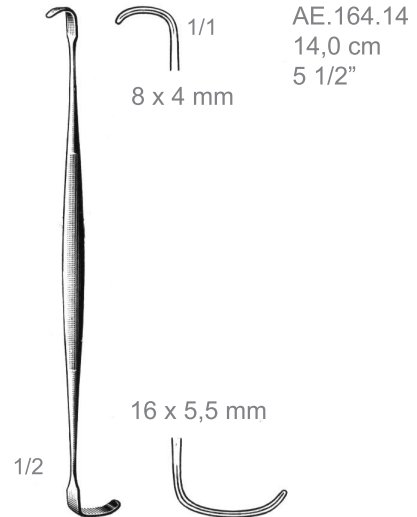
**AE**



AE.161.01  
15,0 cm  
6"  
20 x 6 mm

AE.161.02  
15,0 cm  
6"  
10 x 6 mm

**AE.161.01/02**  
Senn-Green  
Retractors

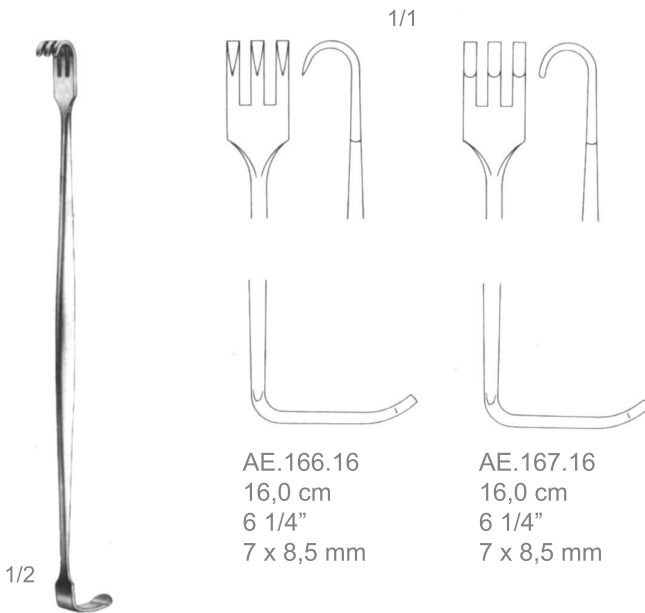


8 x 4 mm

AE.164.14  
14,0 cm  
5 1/2"

16 x 5,5 mm

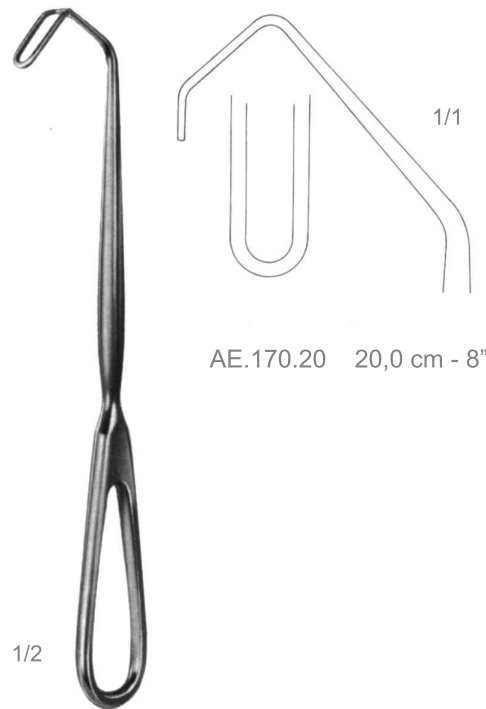
**AE.164.14**  
Ragnell-Davis  
Retractors



AE.166.16  
16,0 cm  
6 1/4"  
7 x 8,5 mm

AE.167.16  
16,0 cm  
6 1/4"  
7 x 8,5 mm

**AE.166.16**  
**AE.167.16**  
Senn-Mueller  
Retractors



AE.170.20 20,0 cm - 8"

**AE.170.20**  
Cushing  
Retractors



**AE.171.08/18**  
Cushing  
Retractors



AE.171.08  
20,0 cm  
8"  
8 mm



AE.171.10  
20,0 cm  
8"  
10 mm



AE.171.12  
20,0 cm  
8"  
12 mm



AE.171.14  
20,0 cm  
8"  
14 mm



1/1  
AE.171.16  
20,0 cm  
8"  
16 mm



AE.171.18  
20,0 cm  
8"  
18 mm



**AE.172.08/18**  
Cushing  
Retractors



AE.172.08  
24,0 cm  
9 1/2"  
8 mm



AE.172.10  
24,0 cm  
9 1/2"  
10 mm



AE.172.12  
24,0 cm  
9 1/2"  
12 mm



AE.172.14  
24,0 cm  
9 1/2"  
14 mm



1/1  
AE.172.16  
24,0 cm  
9 1/2"  
16 mm



AE.172.18  
24,0 cm  
9 1/2"  
18 mm

AE



**AE.174.08/23**  
Gil-Vernet Type  
Retractors  
Veinhooks / Hilarretractor



AE.174.08  
24,0 cm  
9 1/2"  
8 mm



AE.174.11  
24,0 cm  
9 1/2"  
11 mm



AE.174.15  
24,0 cm  
9 1/2"  
15 mm



1/1  
AE.174.17  
24,0 cm  
9 1/2"  
17 mm



AE.174.20  
24,0 cm  
9 1/2"  
20 mm



AE.174.23  
24,0 cm  
9 1/2"  
23 mm



Retractors

WUNDHAKEN - SEPARADORES

# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**

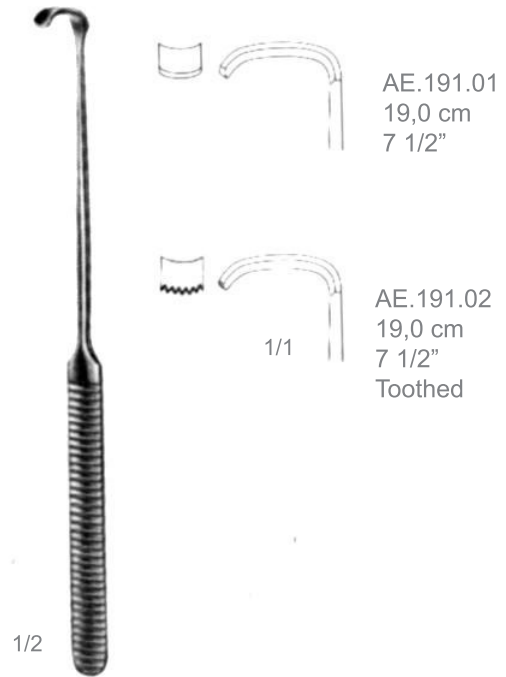


AE.176.01  
19,0 cm  
7 1/2"

AE.176.02  
19,0 cm  
7 1/2"

**AE.176.01/02**

Venenhaken Brom  
Retractors

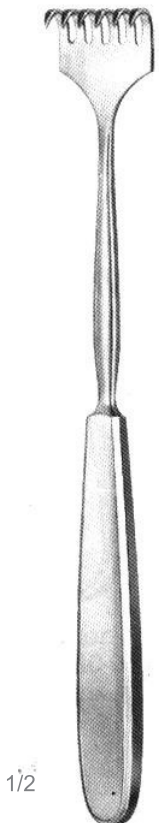


AE.191.01  
19,0 cm  
7 1/2"

AE.191.02  
19,0 cm  
7 1/2"  
Toothed

**AE.191.01/02**

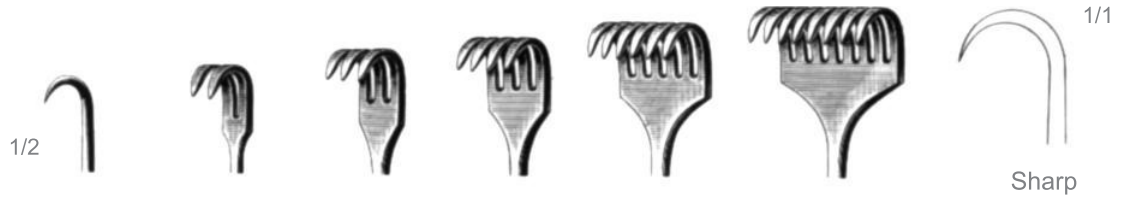
Strandell-Stille  
Retractors



**AE.210.01/06**  
**AE.211.01/06**  
Volkman  
Retractors

Sharp	1/1				
	AE.210.01 23,0 cm 9"	AE.210.02 23,0 cm 9"	AE.210.03 23,0 cm 9"	AE.210.04 23,0 cm 9"	AE.210.06 23,0 cm 9"
Blunt	1/1				
	AE.211.01 23,0 cm 9"	AE.211.02 23,0 cm 9"	AE.211.03 23,0 cm 9"	AE.211.04 23,0 cm 9"	AE.211.06 23,0 cm 9"





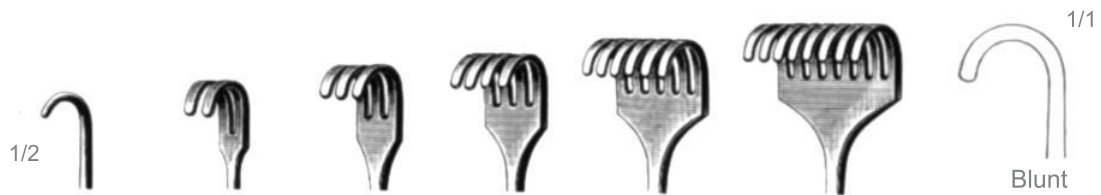
AE.240.01	AE.240.02	AE.240.03	AE.240.04	AE.240.06	AE.240.08
22,0 cm	22,0 cm	22,0 cm	22,0 cm	22,0 cm	22,0 cm
8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"



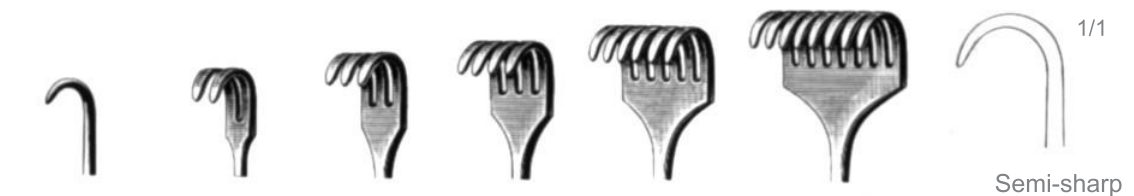
1/2

**AE.240.01/08**  
**AE.241.01/08**  
**AE.242.01/08**

Kocher  
Retractors



AE.241.01	AE.241.02	AE.241.03	AE.241.04	AE.241.06	AE.241.08
22,0 cm	22,0 cm	22,0 cm	22,0 cm	22,0 cm	22,0 cm
8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"



AE.242.01	AE.242.02	AE.242.03	AE.242.04	AE.242.06	AE.242.08
22,0 cm	22,0 cm	22,0 cm	22,0 cm	22,0 cm	22,0 cm
8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"

AE



**AE.245.02/06**

**AE.246.02/06**

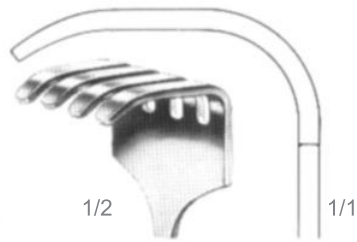
Martin  
Retractors



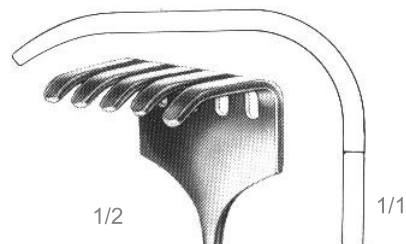


**AE.281.04**  
**AE.283.05**  
**AE.287.06**  
**AE.289.07**

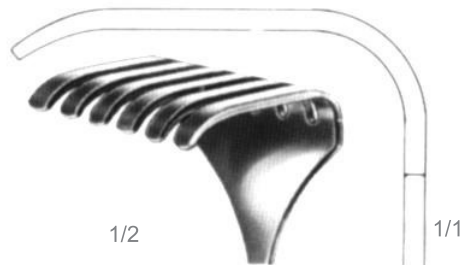
Israel  
Retractors



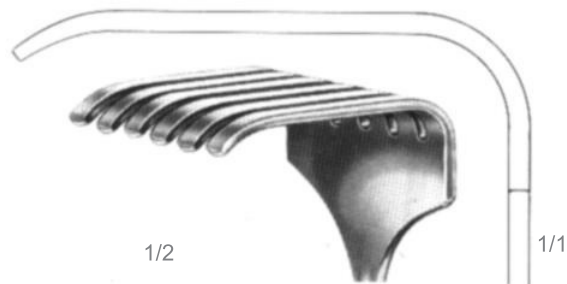
AE.281.04 25,0 cm - 10"  
40 x 40 mm



AE.283.05 25,0 cm - 10"  
45 x 50 mm



AE.287.06 25,0 cm - 10"  
50 x 60 mm



AE.289.07 25,0 cm - 10"  
70 x 70 mm



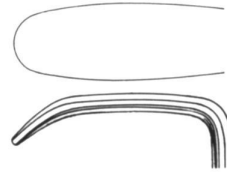
1/2

**AE.291.01/05**  
Langenbeck  
Retractors

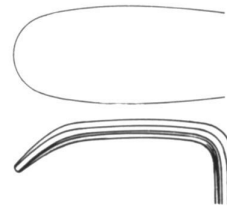


1/2

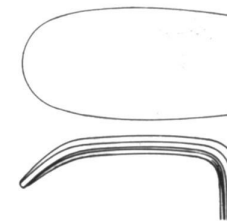
**AE.293.01/05**  
Langenbeck  
Retractors



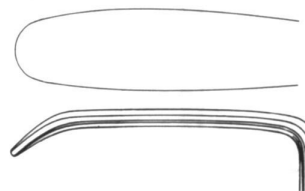
AE.291.01 22,0 cm 8 1/2"  
AE.293.01 21,0 cm 8 1/4"  
30 x 11 mm



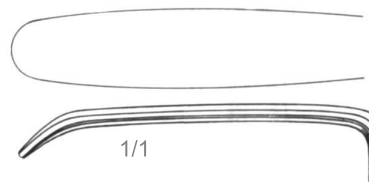
AE.291.02 22,0 cm 8 1/2"  
AE.293.02 21,0 cm 8 1/4"  
30 x 14 mm



AE.291.03 22,0 cm 8 1/2"  
AE.293.03 21,0 cm 8 1/4"  
30 x 16 mm



AE.291.04 22,0 cm 8 1/2"  
AE.293.04 21,0 cm 8 1/4"  
40 x 11 mm



1/1

AE.291.05 22,0 cm 8 1/2"  
AE.293.05 21,0 cm 8 1/4"  
50 x 11 mm

AE



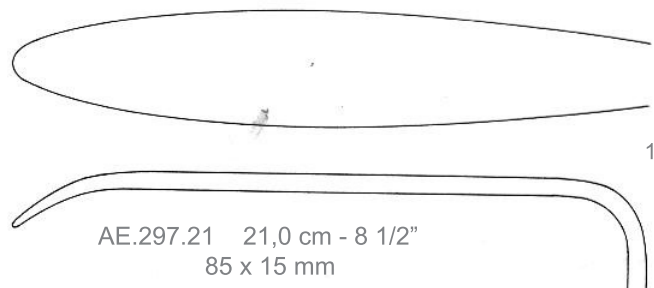
AE.295.21 21,0 cm - 8 1/4"  
60 x 20 mm

1/1

1/2

**AE.295.21**

Langenbeck  
Retractors



AE.297.21 21,0 cm - 8 1/2"  
85 x 15 mm

1/1

1/2

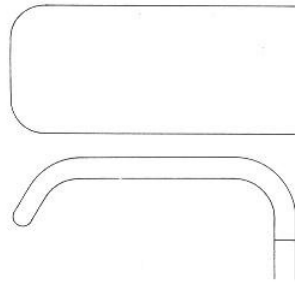
**AE.297.21**

Langenbeck  
Retractors





**AE.315.18/40**  
Kocher  
Retractors

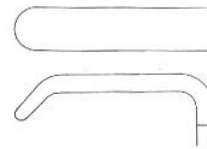


AE.315.18	23,0 cm - 9"	40 x 18 mm
AE.315.20	23,0 cm - 9"	60 x 20 mm
AE.315.25	23,0 cm - 9"	60 x 25 mm
AE.315.30	23,0 cm - 9"	75 x 30 mm
AE.315.40	23,0 cm - 9"	75 x 40 mm

1/2



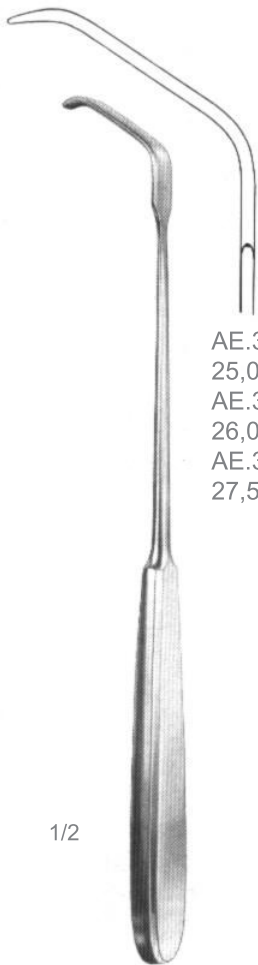
**AE.317.01/09**  
Kocher-Lagenbeck  
Retractors



AE.317.01	21,5 cm - 8 1/2"	25 x 6 mm
AE.317.02	21,5 cm - 8 1/2"	35 x 8 mm
AE.317.03	21,5 cm - 8 1/2"	35 x 11 mm
AE.317.04	21,5 cm - 8 1/2"	35 x 15 mm
AE.317.05	21,5 cm - 8 1/2"	40 x 11 mm
AE.317.06	21,5 cm - 8 1/2"	55 x 11 mm
AE.317.07	21,5 cm - 8 1/2"	70 x 14 mm
AE.317.08	21,5 cm - 8 1/2"	80 x 12 mm
AE.317.09	21,5 cm - 8 1/2"	80 x 16 mm

1/2

**AE**

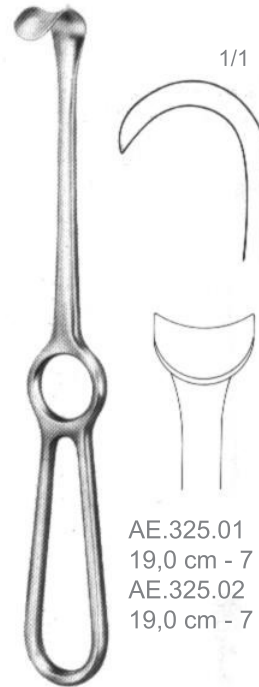


1/2

**AE.323.35/75**

Zenker  
Retractors

AE.323.35  
25,0 cm - 10" 35 x 8 mm  
AE.323.60  
26,0 cm - 10 1/2" 60 x 12 mm  
AE.323.75  
27,5 cm - 11" 75 x 12 mm

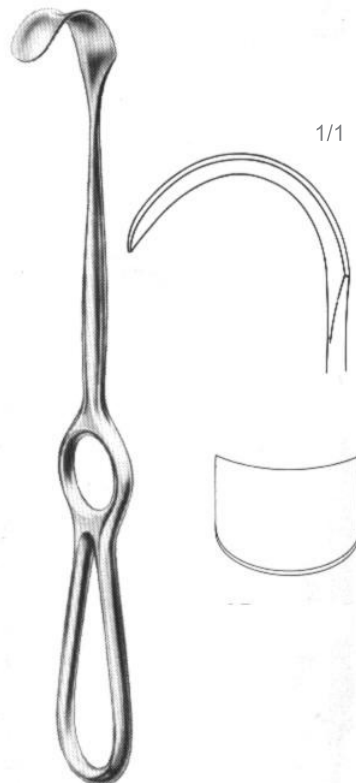


1/1

**AE.325.01/02**

Kocher  
Retractors

AE.325.01  
19,0 cm - 7 1/2" 19 x 12 mm  
AE.325.02  
19,0 cm - 7 1/2" 21 x 14 mm



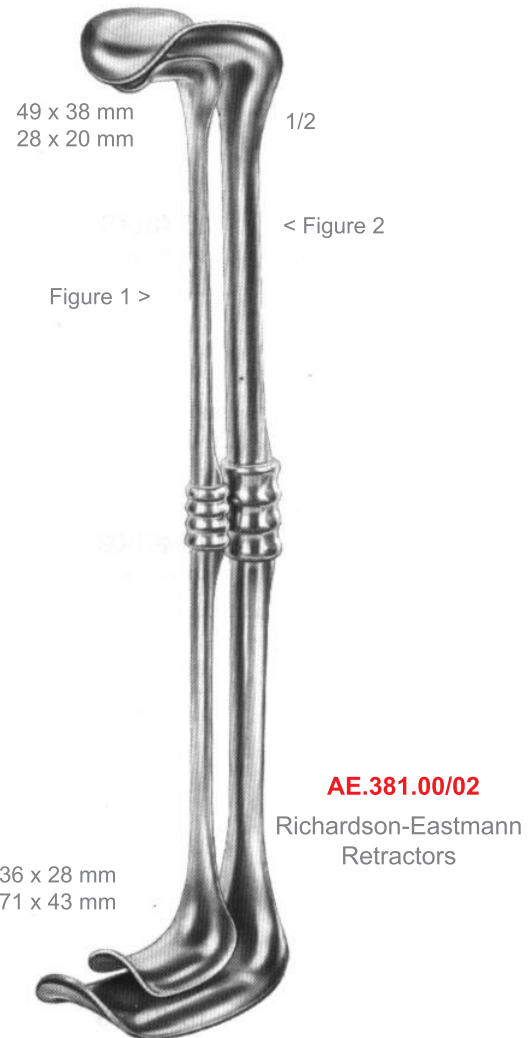
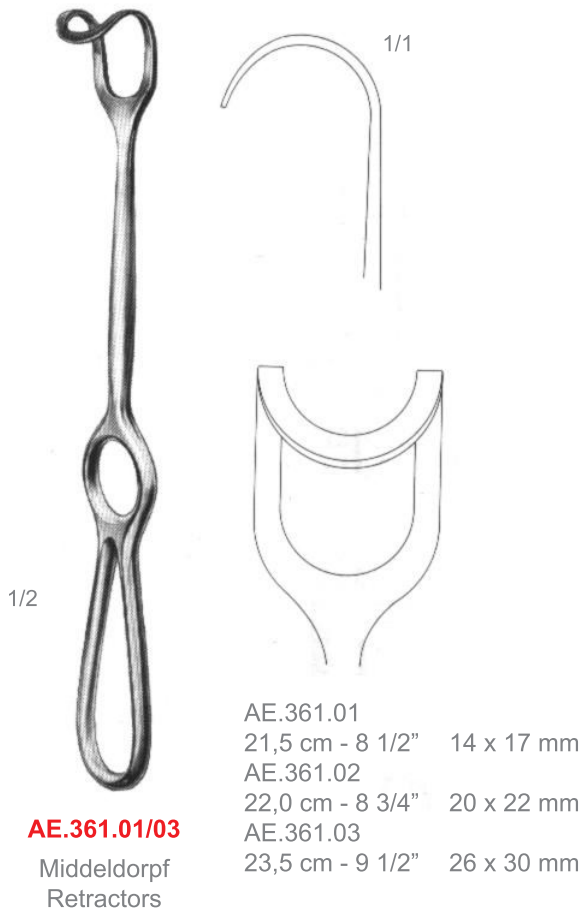
1/1

1/2

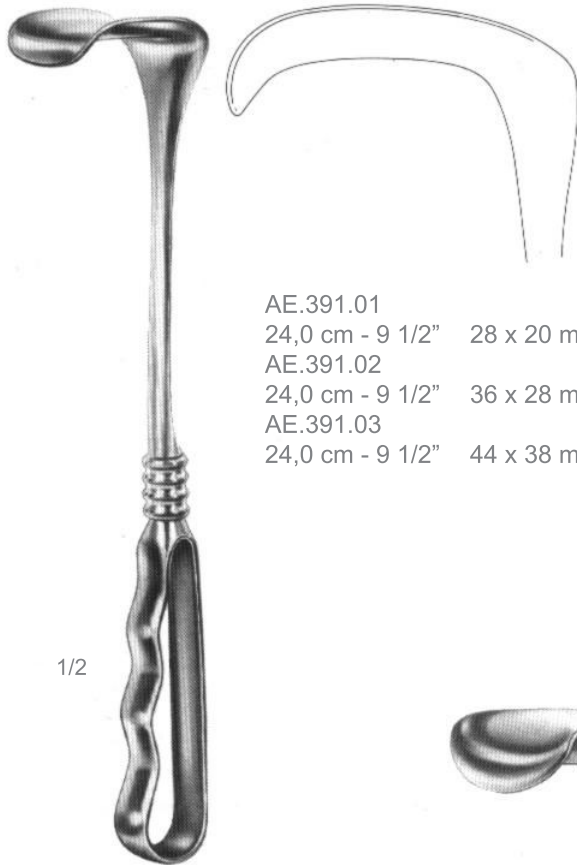
**AE.351.01/03**

Kocher  
Retractors

AE.351.01  
22,0 cm - 8 3/4" 40 x 10 mm  
AE.351.02  
22,0 cm - 8 3/4" 40 x 15 mm  
AE.351.03  
22,0 cm - 8 3/4" 40 x 20 mm



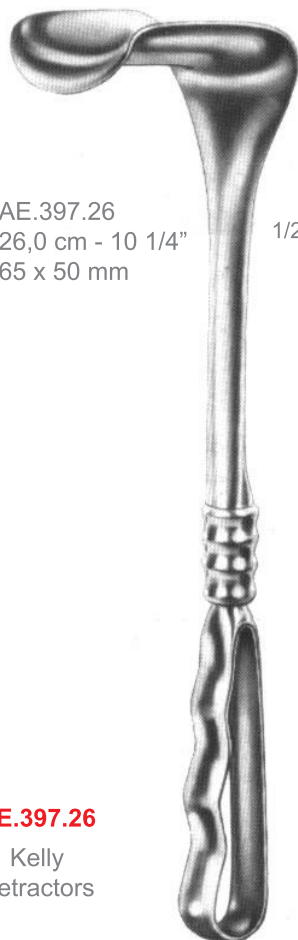
AE



AE.391.01  
24,0 cm - 9 1/2" 28 x 20 mm  
AE.391.02  
24,0 cm - 9 1/2" 36 x 28 mm  
AE.391.03  
24,0 cm - 9 1/2" 44 x 38 mm

1/2

**AE.391.01/03**  
Richardson  
Retractors



AE.397.26  
26,0 cm - 10 1/4" 65 x 50 mm

1/2

**AE.397.26**  
Kelly  
Retractors



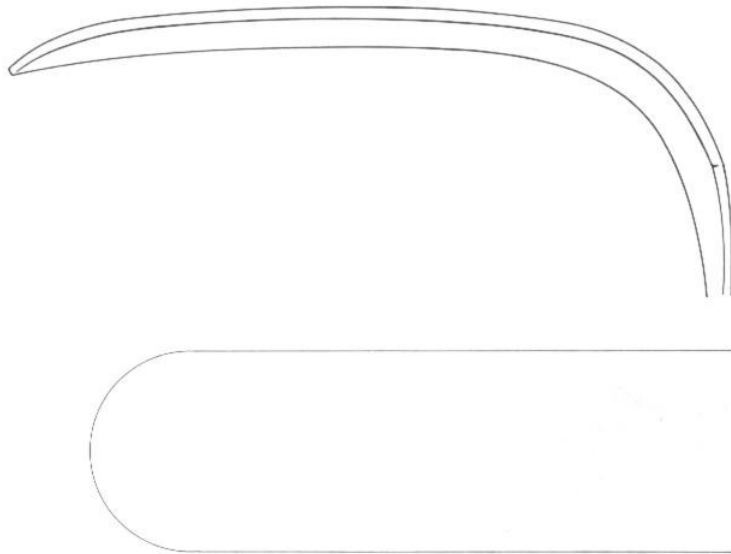
AE.395.24  
24,0 cm - 9 1/2"  
52 x 22 mm

1/2

**AE.395.24**  
Richardson  
Retractors

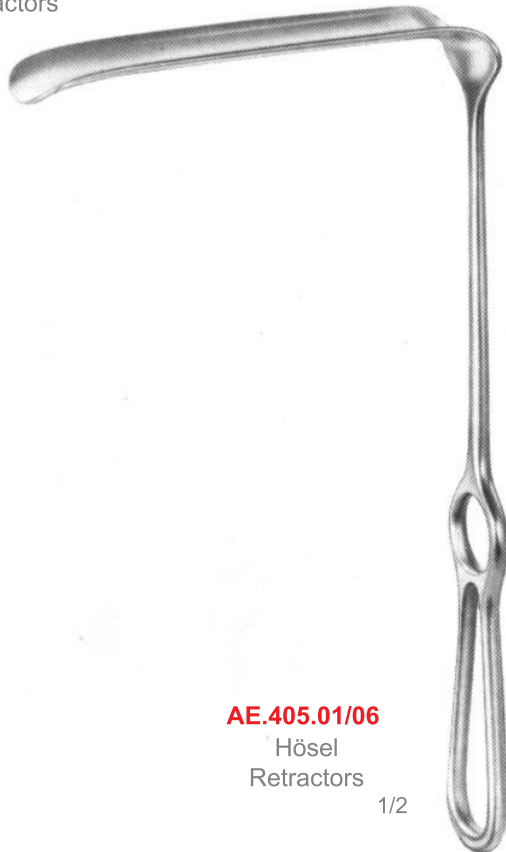


1/2

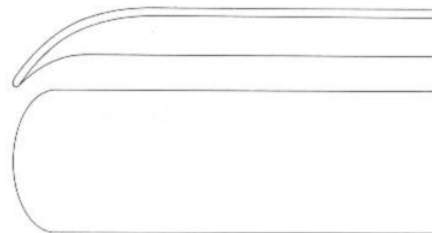


AE.401.01	20,0 cm - 8"	90 x 28 mm
AE.401.02	20,0 cm - 8"	105 x 30 mm
AE.401.03	20,0 cm - 8"	120 x 52 mm

**AE.401.01/03**  
Retractors



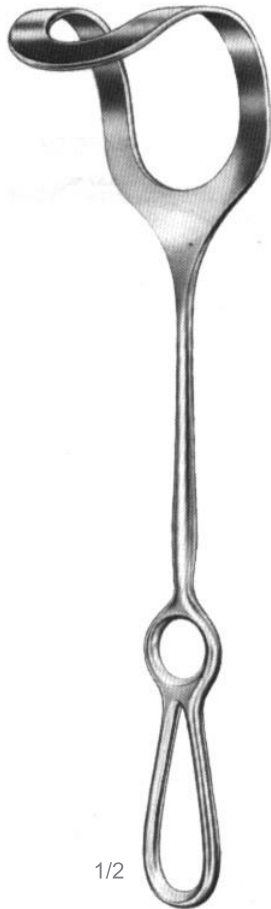
1/2



AE.405.01	25,0 cm - 10"	60 x 20 mm
AE.405.02	25,0 cm - 10"	50 x 30 mm
AE.405.03	25,0 cm - 10"	100 x 30 mm
AE.405.04	25,0 cm - 10"	120 x 20 mm
AE.405.05	25,0 cm - 10"	140 x 30 mm
AE.405.06	25,0 cm - 10"	140 x 40 mm

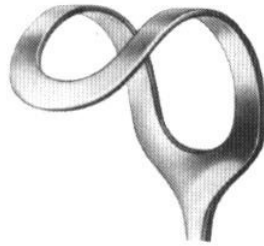
**AE.405.01/06**  
Hösel  
Retractors

AE

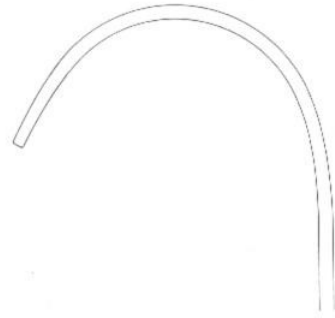


1/2

**AE.441.01/03**  
Middeldorpf  
Retractors

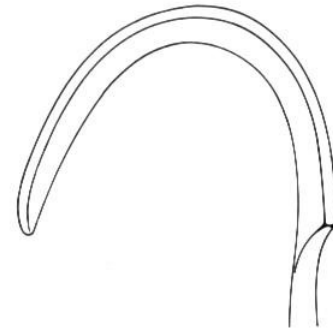


AE.441.01 25,5 cm - 10" 45 x 45 mm  
AE.441.02 25,5 cm - 10" 45 x 50 mm  
AE.441.03 25,5 cm - 10" 55 x 70 mm

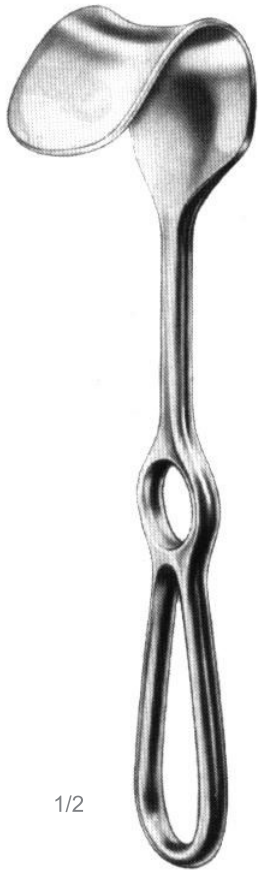


1/2

**AE.451.24**  
Fritsch  
Retractors



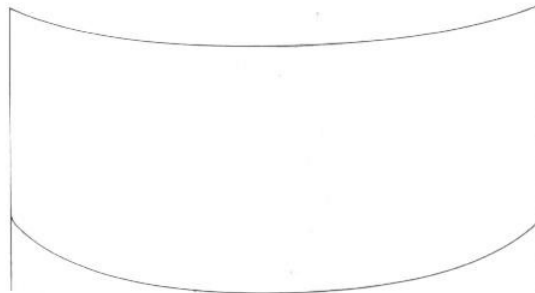
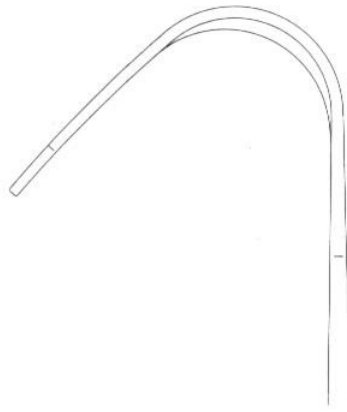
AE.451.24 24,0 cm - 9 1/2" 35 x 40 mm



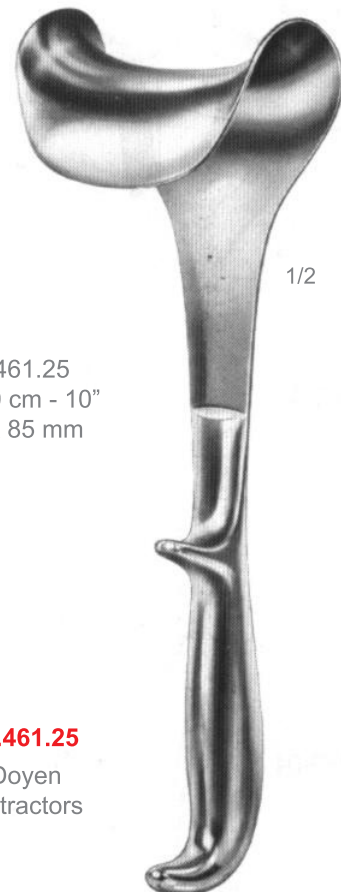
1/2

**AE.453.01/04**

Fritsch  
Retractors



AE.453.01	24,0 cm - 9 1/2"	45 x 40 mm
AE.453.02	24,0 cm - 9 1/2"	45 x 50 mm
AE.453.03	24,0 cm - 9 1/2"	45 x 60 mm
AE.453.04	24,0 cm - 9 1/2"	55 x 75 mm



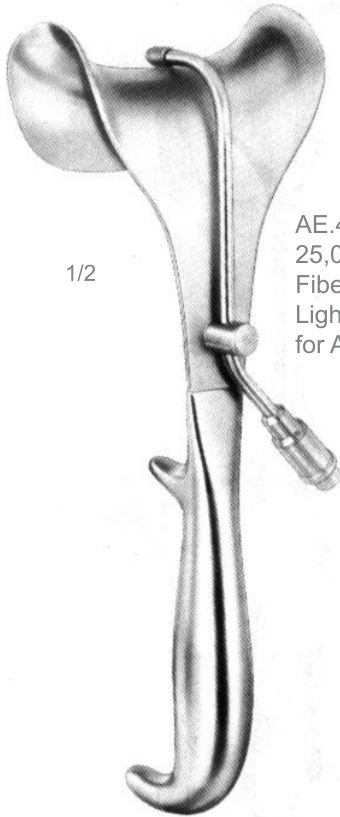
1/2

AE.461.25  
25,0 cm - 10"  
50 x 85 mm

**AE.461.25**

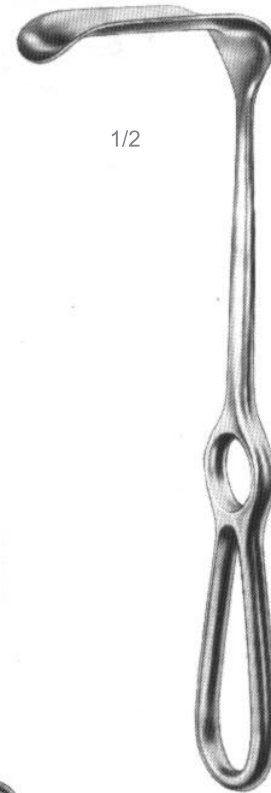
Doyen  
Retractors

AE



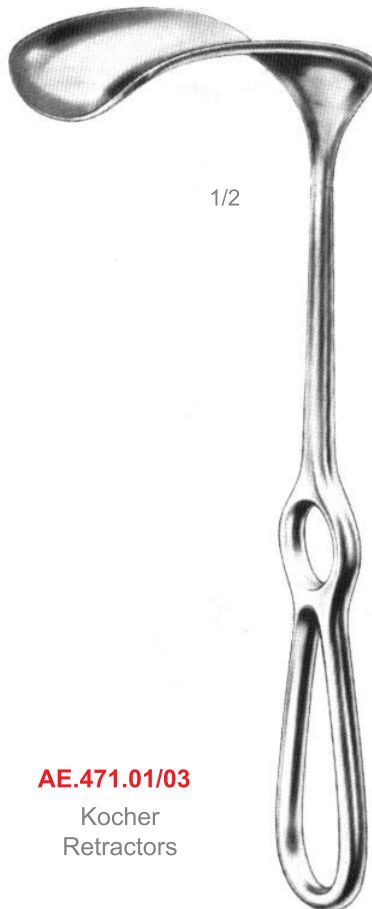
AE.461.75  
25,0 cm - 10"  
Fiber Optic  
Light carrier  
for AE.461.75

**AE.461.75**  
Doyen  
Retractors



AE.469.22  
22,5 cm - 9"  
70 x 25 mm

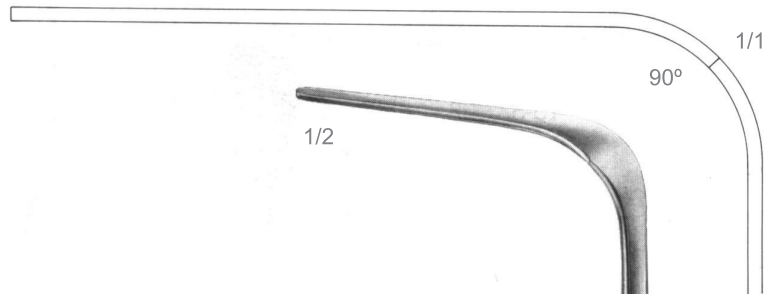
**AE.469.22**  
Kocher  
Retractors



**AE.471.01/03**  
Kocher  
Retractors

AE.471.01 25,0 cm - 10" 80 x 45 mm  
AE.471.02 25,0 cm - 10" 80 x 55 mm  
AE.471.03 25,0 cm - 10" 80 x 65 mm





AE.501.25  
25,0 cm - 10"  
105 x 27 mm

**AE.501.25**  
Martin  
Retractors

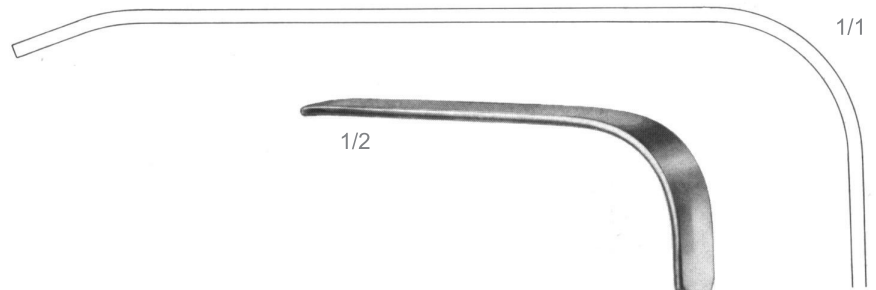


1/2

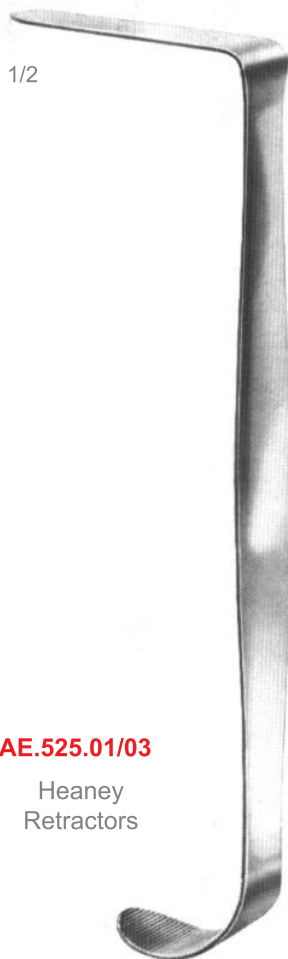
AE.481.23  
23,0 cm - 9"  
64 x 60 mm

**AE.481.23**  
Tuffier  
Retractors

AE



AE.505.28 28,0 cm - 11" 115 x 22 mm  
AE.507.28 28,0 cm - 11" 115 x 27 mm



**AE.525.01/03**

Heaney  
Retractors

AE.525.01 27,0 cm - 10 1/2" 45 x 25 mm  
AE.525.02 27,0 cm - 10 1/2" 73 x 28 mm  
AE.525.03 27,0 cm - 10 1/2" 82 x 28 mm

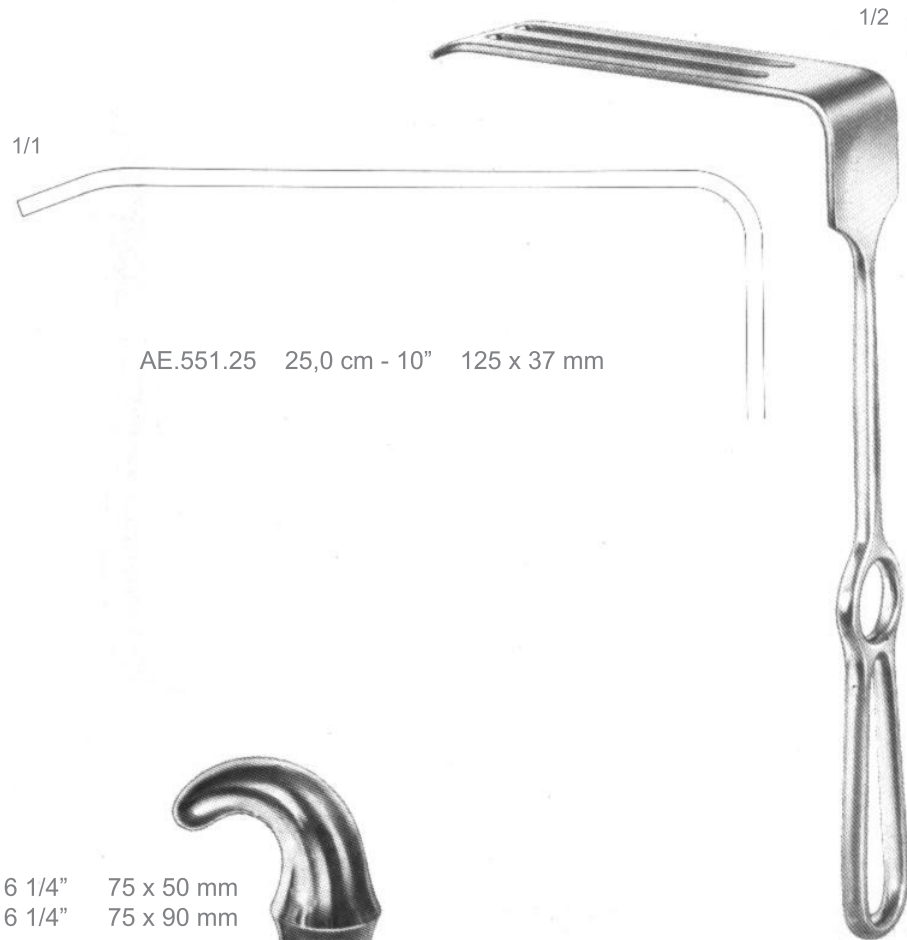
**AE.505.28**  
**AE.507.28**  
Simon  
Retractors



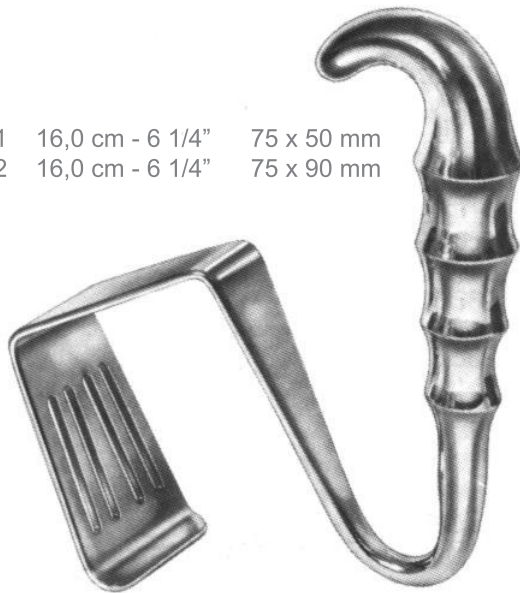
**AE.537.01/03**

Coryllos  
Retractors  
(Thorax)

AE



AE.545.01 16,0 cm - 6 1/4" 75 x 50 mm  
AE.545.02 16,0 cm - 6 1/4" 75 x 90 mm

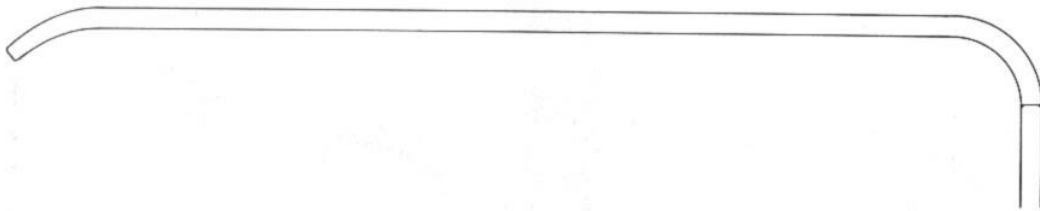


**AE.545.01/02**

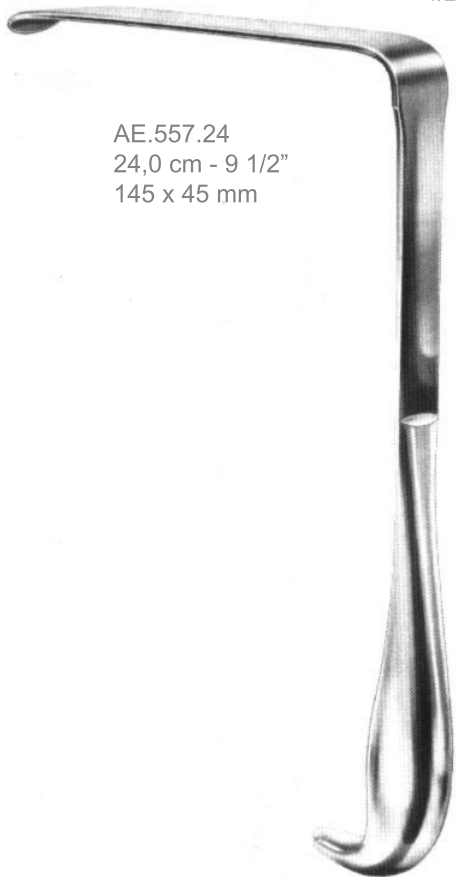
Davidson  
Retractors  
(Scapula)

**AE.551.25**  
Sauerbruch  
Retractors

1/1



1/2



AE.557.24  
24,0 cm - 9 1/2"  
145 x 45 mm

**AE.557.24**  
Brunner  
Retractors

1/2

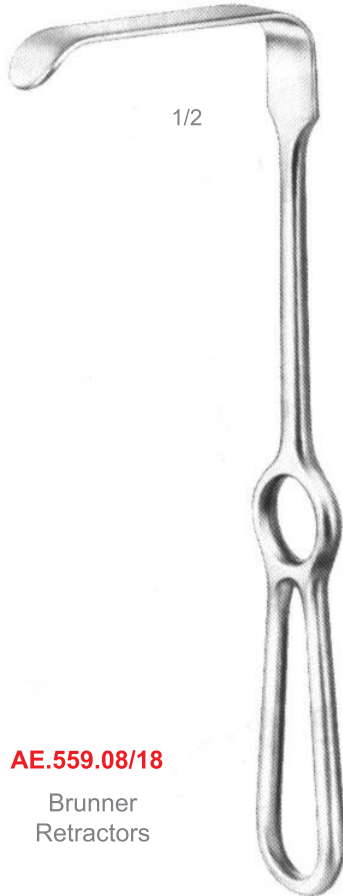


AE.557.74 24,0 cm - 9 1/2" 145 x 45 mm  
With Interchangeable fiber optic light carrier

AE.557.75  
Fiber optic light carrier for AE.557.74

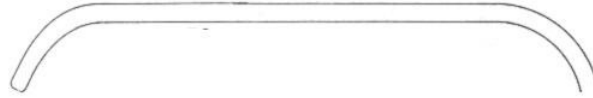
**AE.557.74/75**  
Brunner  
Retractors

**AE**



**AE.559.08/18**

Brunner  
Retractors



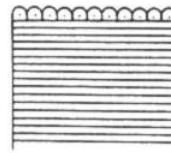
AE.559.08	25,0 cm - 10"	80 x 20 mm
AE.559.10	25,0 cm - 10"	100 x 20 mm
AE.559.12	25,0 cm - 10"	120 x 25 mm
AE.559.14	25,0 cm - 10"	140 x 25 mm
AE.559.16	25,0 cm - 10"	160 x 30 mm
AE.559.18	25,0 cm - 10"	180 x 30 mm

1/2



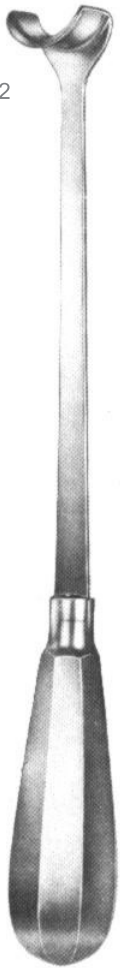
**AE.562.01/02**

Crawford  
Retractors  
(Aorta)



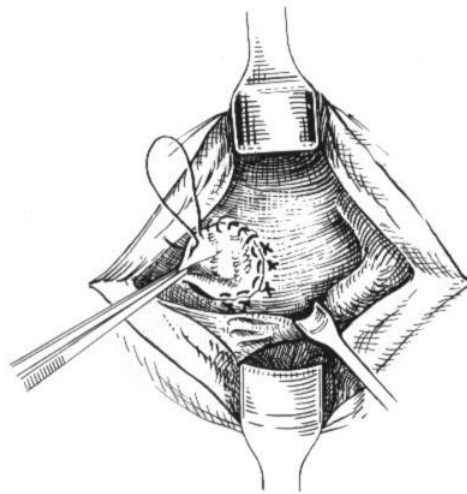
AE.562.01	19,0 cm - 7 1/2"	15 x 15 mm
AE.562.02	19,0 cm - 7 1/2"	15 x 23 mm

1/2



**AE.563.01/06**

Ross  
Retractors  
(Aorta)



AE.563.01  
27,0 cm - 10 1/2"



AE.563.02  
27,0 cm - 10 1/2"



AE.563.03  
27,0 cm - 10 1/2"



1/1

AE.563.04  
27,0 cm - 10 1/2"

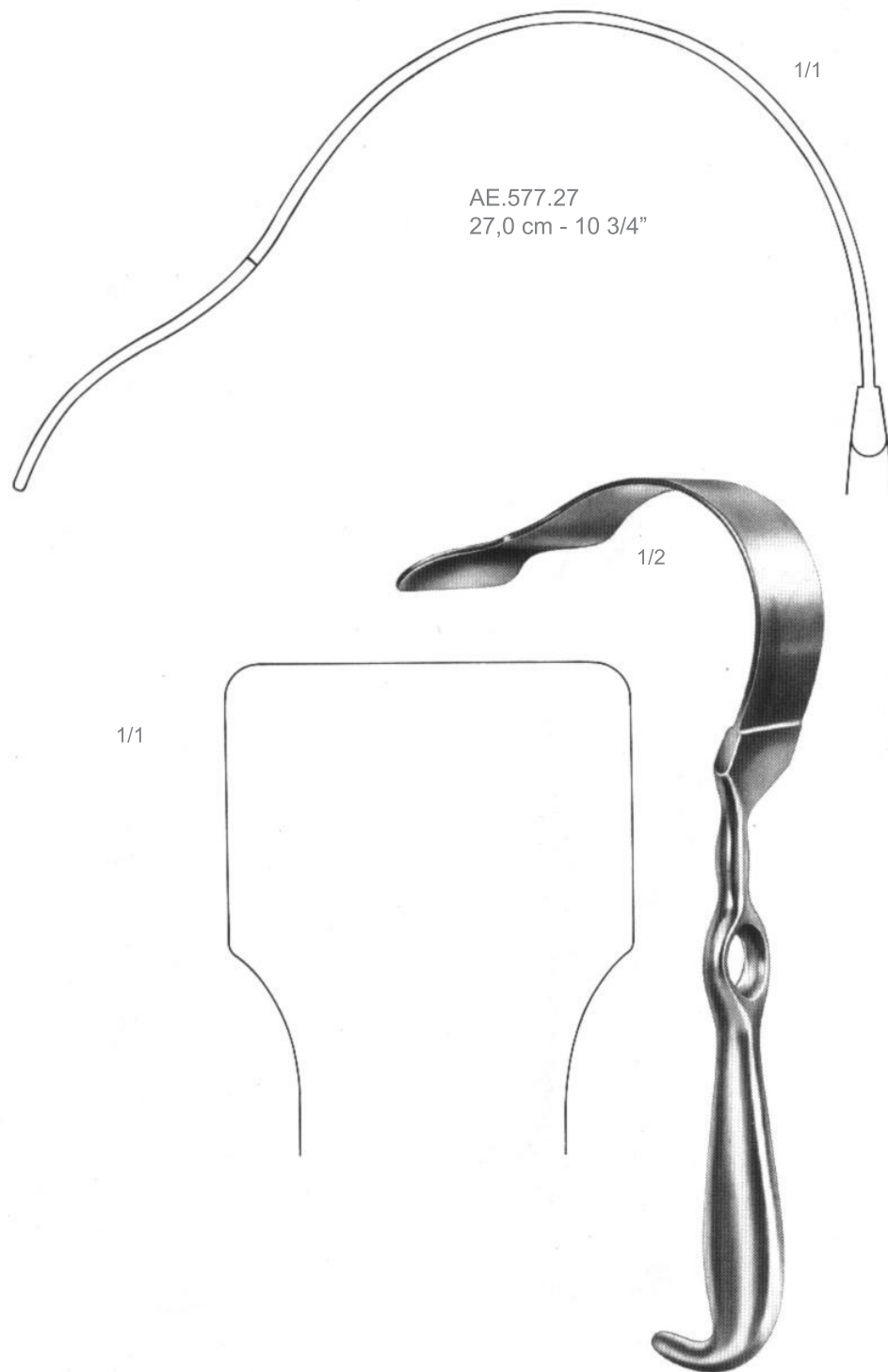


AE.563.05  
27,0 cm - 10 1/2"



AE.563.06  
27,0 cm - 10 1/2"

AE



**AE.577.27**

Polloson  
Retractors





AE.579.27  
27,0 cm - 9 3/4"

1/2

1/2

1/1

**AE.579.27**  
Polloson  
Retractors

AE.581.01  
32,0 cm - 12 1/2"  
127 x 40 mm

AE.581.02  
32,0 cm - 12 1/2"  
127 x 62 mm

**AE.581.01/02**  
Harrington  
Retractors  
(Splanchnicus)

AE



AE.591.01  
18,0 cm - 7"  
19 mm

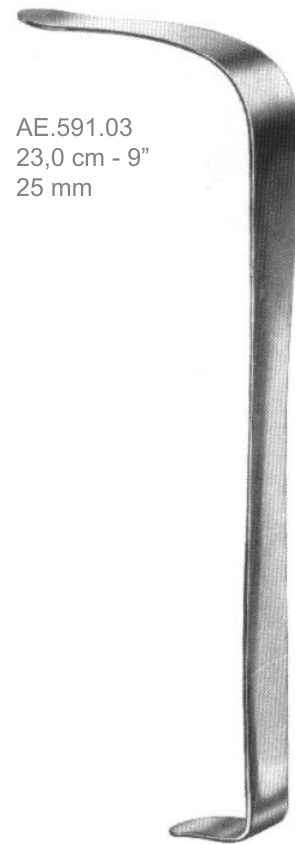
1/2

**AE.591.01**  
Deaver  
Retractors



AE.591.02  
21,5 cm - 8 1/2"  
22 mm

**AE.591.02**  
Deaver  
Retractors



AE.591.03  
23,0 cm - 9"  
25 mm

**AE.591.03**  
Deaver  
Retractors



AE.591.04  
30,0 cm - 12"  
25 mm

AE.591.05  
33,0 cm - 13"  
25 mm

AE.591.06  
36,0 cm - 14"  
25 mm

**AE.591.04**

Deaver  
Retractors

**AE.591.05**

Deaver  
Retractors

**AE.591.06**

Deaver  
Retractors

AE

1/2

AE.591.07  
30,0 cm - 12"  
38 mm

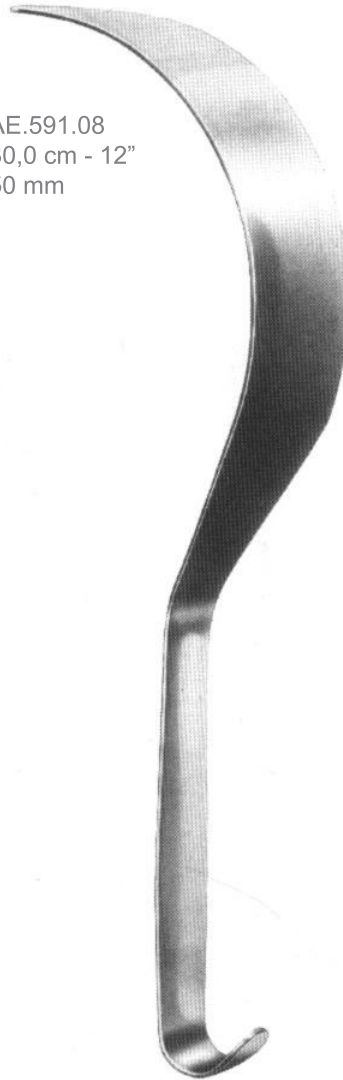


**AE.591.07**

Deaver  
Retractors

1/2

AE.591.08  
30,0 cm - 12"  
50 mm

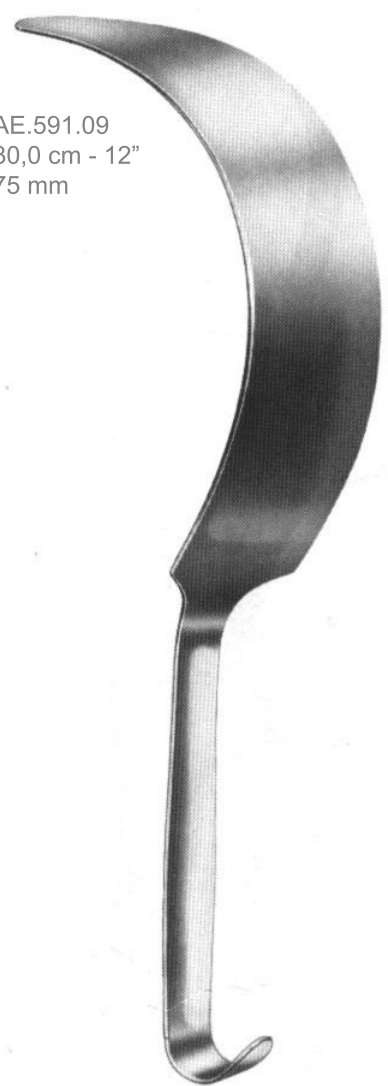


**AE.591.08**

Deaver  
Retractors

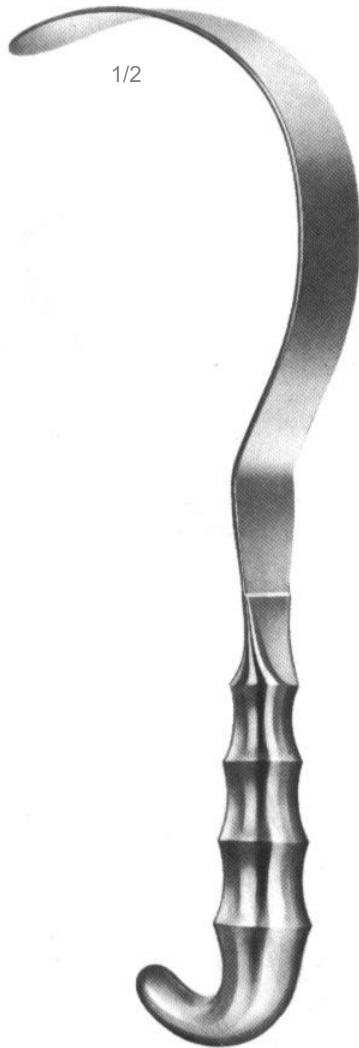
1/2

AE.591.09  
30,0 cm - 12"  
75 mm

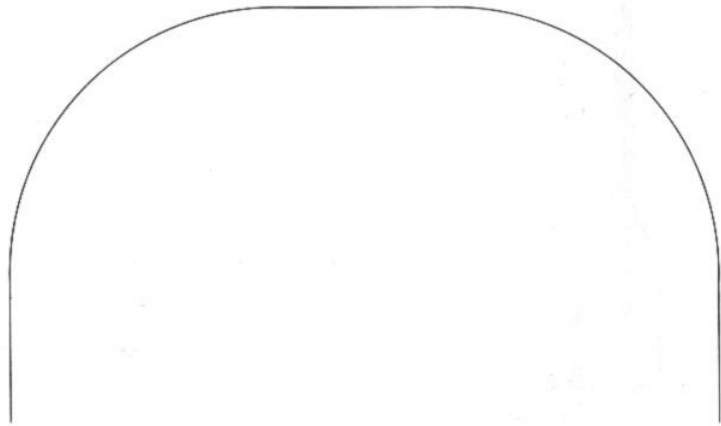


**AE.591.09**

Deaver  
Retractors



AE.592.04	31,0 cm - 10 1/4"	25 mm
AE.592.07	31,0 cm - 10 1/4"	38 mm
AE.592.08	31,0 cm - 10 1/4"	50 mm
AE.592.10	31,0 cm - 10 1/4"	100 mm

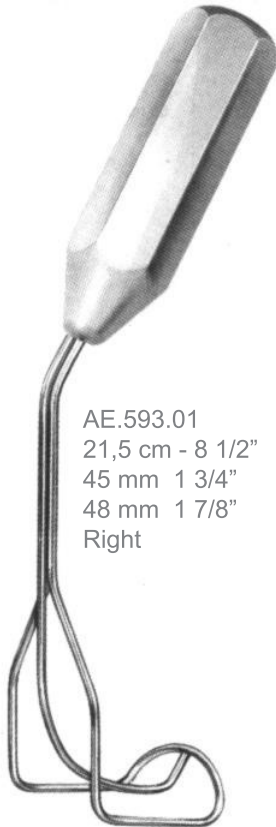


**AE.592.04/10**

Deaver  
Retractors

AE

1/2

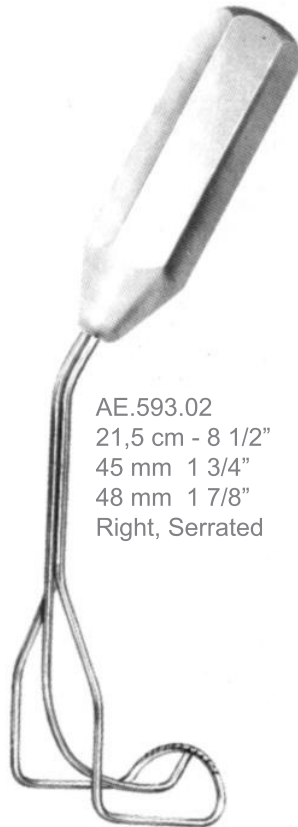


AE.593.01  
21,5 cm - 8 1/2"  
45 mm 1 3/4"  
48 mm 1 7/8"  
Right

**AE.593.01**

Cooley  
Retractors  
(Atrium)

1/2



AE.593.02  
21,5 cm - 8 1/2"  
45 mm 1 3/4"  
48 mm 1 7/8"  
Right, Serrated

**AE.593.02**

Cooley  
Retractors  
(Atrium)

1/2

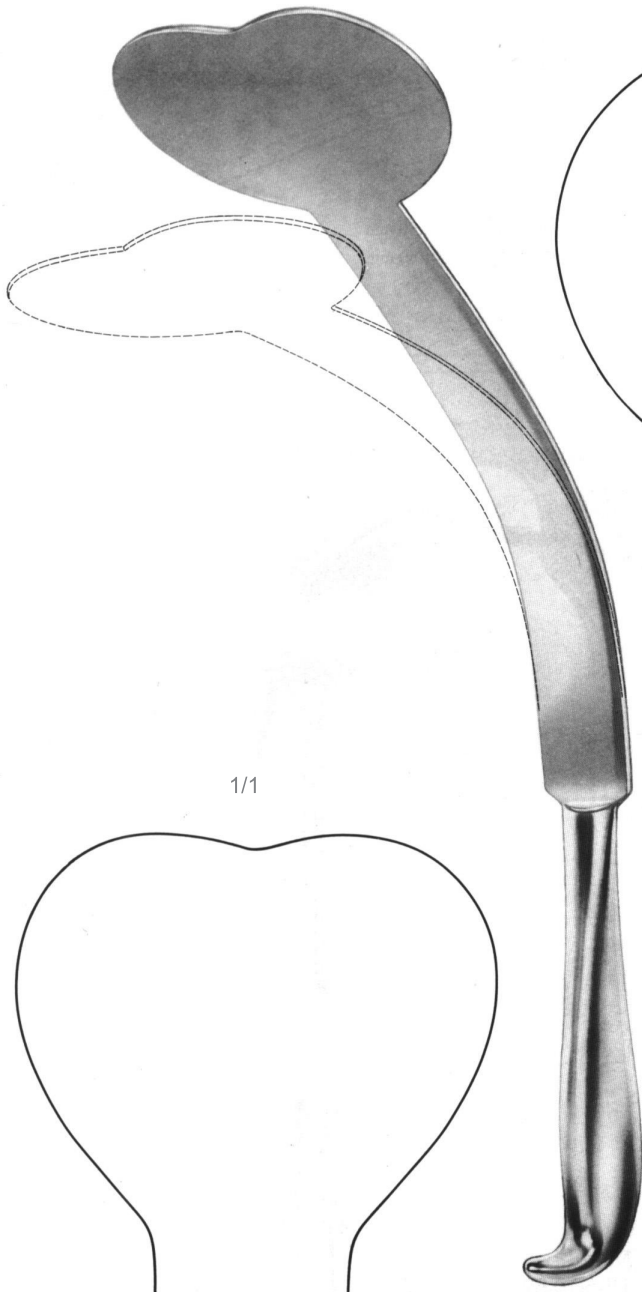


AE.593.03  
23,0 cm - 9"  
24 mm 1"  
48 mm 1 7/8"  
Left

**AE.593.03**

Cooley  
Retractors  
(Atrium)

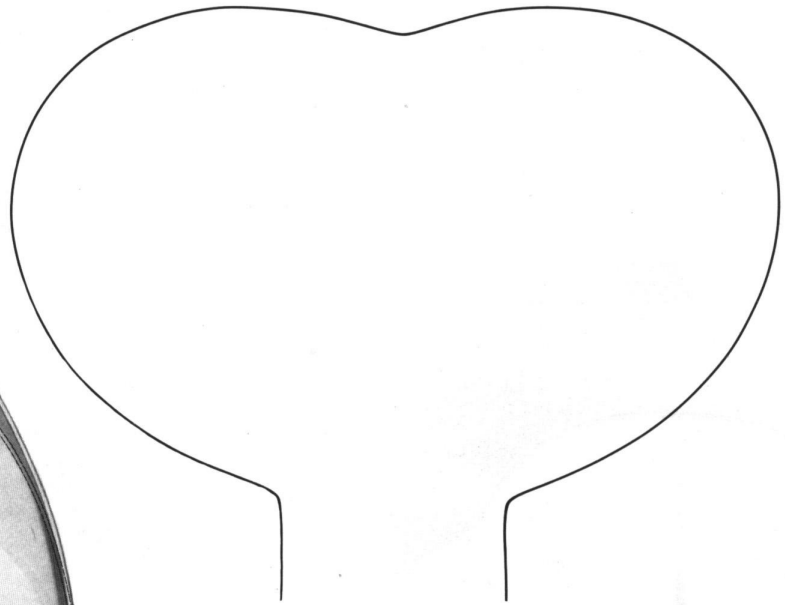
1/2



1/1

AE.595.01 37,5 cm - 15" 65 mm  
Malleable, Copper Silver-Plated

1/1



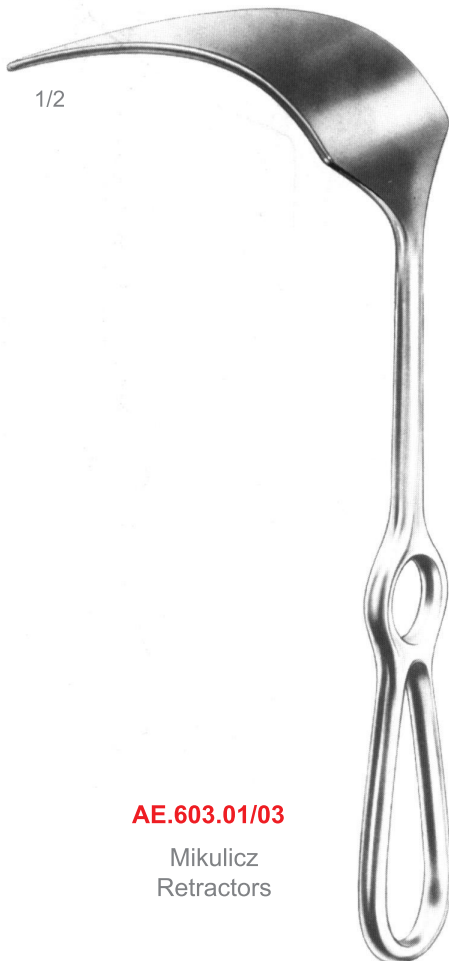
AE.595.02 40,0 cm - 16" 110 mm  
Malleable, Copper Silver-Plated

**AE.595.01/02**

Holmann  
Retractors

AE.603.01 26,0 cm - 10 1/4" 95 x 35 mm  
AE.603.02 26,0 cm - 10 1/4" 120 x 50 mm  
AE.603.03 26,0 cm - 10 1/4" 150 x 50 mm

Liver Retractor



**AE.603.01/03**

Mikulicz  
Retractors

AE.603.52 26,0 cm - 10 1/4" 120 x 50 mm  
AE.603.53 26,0 cm - 10 1/4" 150 x 50 mm  
With Interchangeable Fiber Optic Light Carrier  
AE.603.54 Fiber Optic Light Carrier for AE.603.52  
AE.603.55 Fiber Optic Light Carrier for AE.603.53



**AE.603.52/55**

Mikulicz  
Retractors



Retractors

WUNDHAKEN - SEPARADORES

# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**



AE.611.01 27,0 cm - 10 1/2" 190 x 38 mm  
AE.611.02 27,0 cm - 10 1/2" 190 x 57 mm

1/1

1/2

1/1

1/2

AE.607.26 26,0 cm - 10 1/4" 90 x 50 mm

**AE.611.01/02**

Kelly  
Retractors

**AE.607.26**

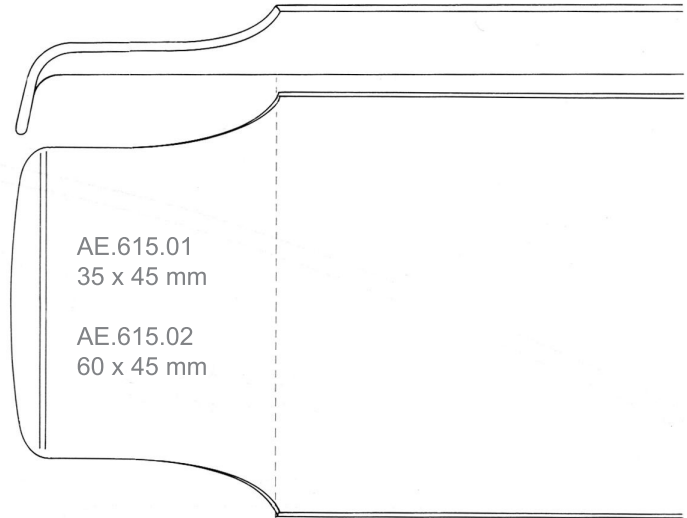
Mikulicz  
Retractors

AE

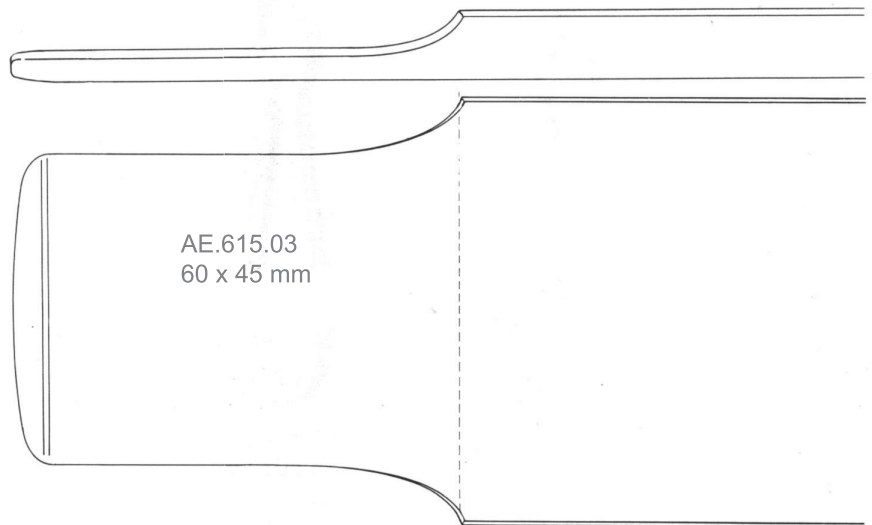


**AE.615.01/03**

St. Marks  
Retractors



AE.615.01 29,0 cm - 11 1/2" 130 x 60 mm  
AE.615.02 32,5 cm - 13" 180 x 60 mm  
Pelvis Retractor



AE.615.03 33,0 cm - 13" 180 x 60 mm  
Pelvis Retractor

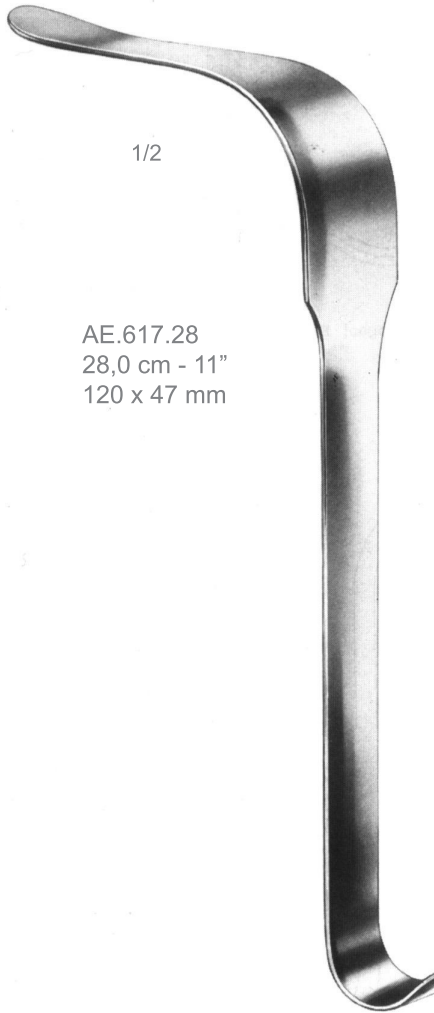
# Spatulas

SPATEL - ESPÁTULAS

# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**



AE.617.28  
28,0 cm - 11"  
120 x 47 mm

**AE.617.28**

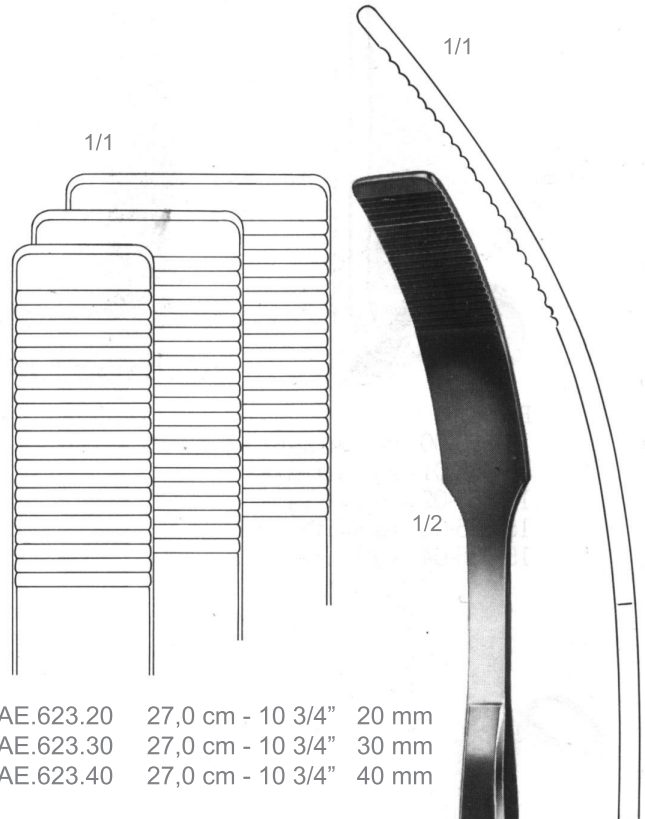
Koerte  
Spatulas  
(Rigid)



AE.617.28  
28,0 cm - 11"  
100 x 45 mm

**AE.621.28**

Kuemmel  
Spatulas  
(Flexible)

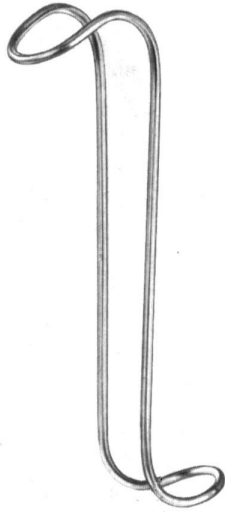


AE.623.20	27,0 cm - 10 3/4"	20 mm
AE.623.30	27,0 cm - 10 3/4"	30 mm
AE.623.40	27,0 cm - 10 3/4"	40 mm

**AE.623.20/40**

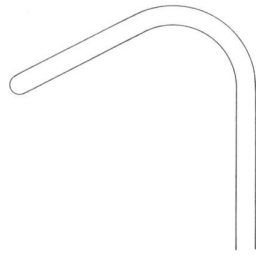
Kader  
Spatulas

**AE**

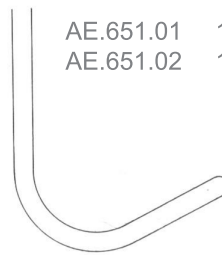


**AE.651.01/02**

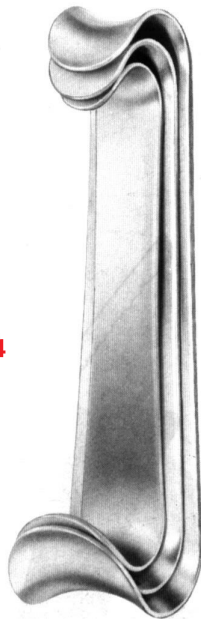
Collin-Hartmann  
Retractors



AE.651.01	14,0 cm - 5 1/2"	38 x 28 mm
AE.651.02	16,0 cm - 6 1/4"	52 x 34 mm

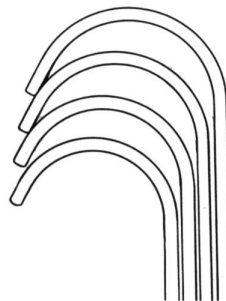


AE.651.01	14,0 cm - 5 1/2"	32 x 21 mm
AE.651.02	16,0 cm - 6 1/4"	36 x 27 mm

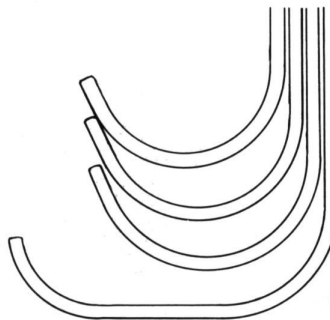


**AE.655.00/04**

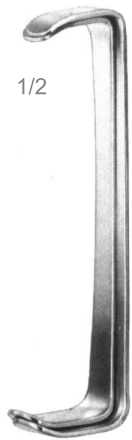
Roux  
Retractors



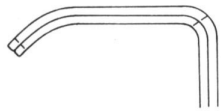
AE.655.00	Set	
AE.655.01	14,0 cm - 5 1/2"	24 x 20 mm
AE.655.02	15,0 cm - 6"	29 x 26 mm
AE.655.03	17,0 cm - 6 3/4"	33 x 29 mm
AE.655.04	18,0 cm - 7"	29 x 24 mm



AE.655.00	Set	
AE.655.01	14,0 cm - 5 1/2"	30 x 28 mm
AE.655.02	15,0 cm - 6"	36 x 36 mm
AE.655.03	17,0 cm - 6 3/4"	38 x 43 mm
AE.655.04	18,0 cm - 7"	45 x 28 mm

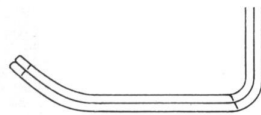


1/2



AE.663.00 12,0 cm - 4 3/4" 26 x 10 mm

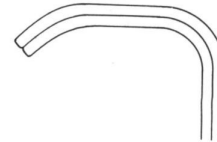
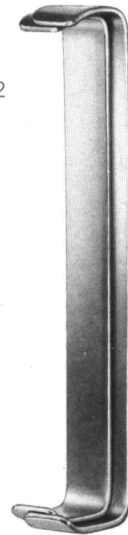
AE.663.00 12,0 cm - 4 3/4" 30 x 13 mm



**AE.663.00**

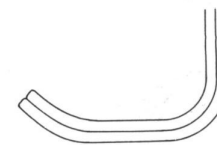
Farabeuf  
Retractors

1/2



AE.665.00 15,0 cm - 5" 23 x 16 mm

AE.665.00 15,0 cm - 5" 26 x 16 mm



**AE.665.00**

Farabeuf  
Retractors

1/2



1/1

AE.667.06 14,0 cm - 5 1/2"

**AE.667.06**

Mini-Roux  
Retractors

1/2

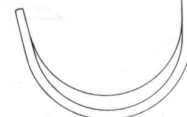


1/1

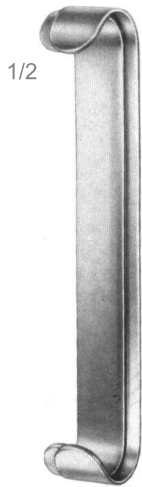
AE.669.13 13,0 cm - 5 1/4"

**AE.669.13**

Baby-Roux  
Retractors



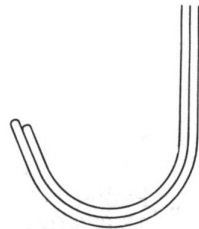
AE



1/2



AE.673.01 13,5 cm - 5 1/4"  
Fig. 2 22 x 15 mm  
Fig. 1 19 x 15 mm

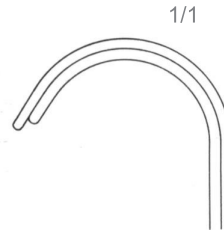
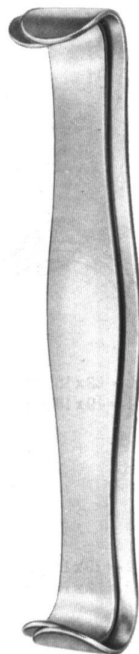


AE.673.01 13,5 cm - 5 1/4"  
Fig. 1 19 x 15 mm  
Fig. 2 22 x 15 mm

**AE.673.01**

Parker  
Retractors  
Set

1/2

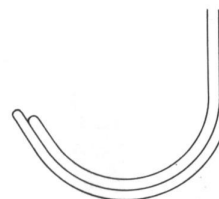


1/1

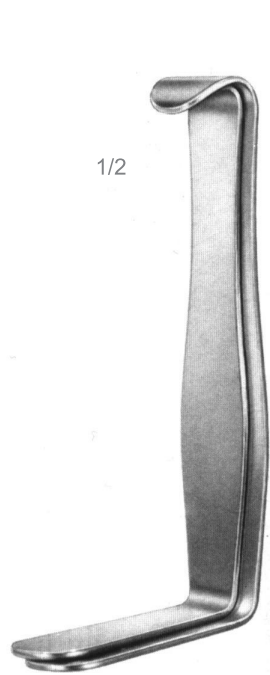
AE.673.02 18,0 cm - 7"  
Fig. 2 29 x 25 mm  
Fig. 1 26 x 25 mm

**AE.673.02**

Parker  
Retractors  
Set



AE.673.02 18,0 cm - 7"  
Fig. 1 24 x 25 mm  
Fig. 2 27 x 25 mm



1/2



1/1

AE.675.00 16,0 cm - 6 1/4"  
Fig. 2 25 x 24 mm  
Fig. 1 21 x 24 mm

AE.675.00 16,0 cm - 6 1/4"  
Fig. 1 68 x 24 mm  
Fig. 2 72 x 24 mm

**AE.675.00**  
Parker-Mott  
Retractors  
Set



1/2



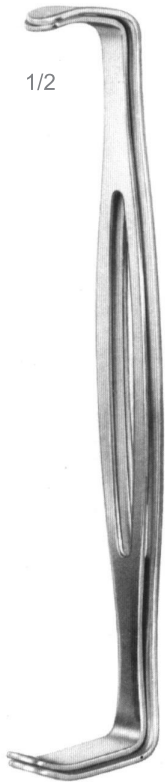
1/1

AE.683.00 20,0 cm - 8"  
Fig. 2 47 x 13 mm  
Fig. 1 42 x 13 mm

AE.683.00 20,0 cm - 8"  
Fig. 1 42 x 26 mm  
Fig. 2 46 x 26 mm

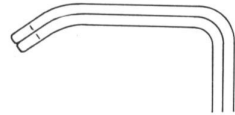
**AE.683.00**  
Mathieu  
Retractors  
Set

AE

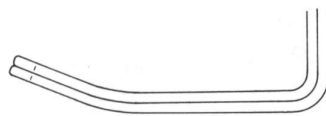


**AE.687.00**

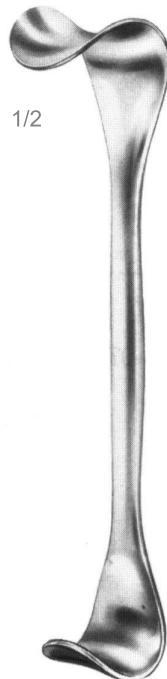
Parker-Lagenbeck  
Retractors  
Set



AE.687.00 21,0 cm - 8 1/4"  
Fig. 2 25 x 24 mm  
Fig. 1 21 x 24 mm

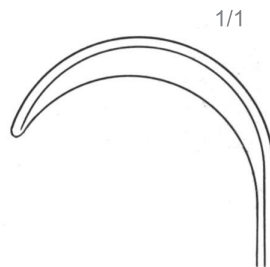


AE.687.00 21,0 cm - 8 1/4"  
Fig. 1 40 x 15 mm  
Fig. 2 45 x 15 mm

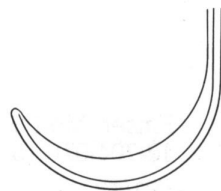


**AE.695.00**

Goelet  
Retractors

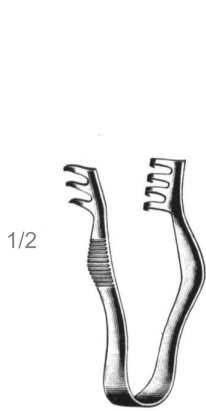


AE.695.00 19,0 cm - 7 1/2"  
40 x 40 mm

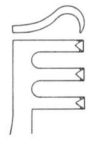


AE.695.00 19,0 cm - 7 1/2"  
30 x 30 mm

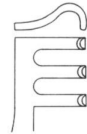




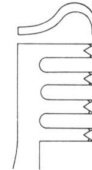
1/1



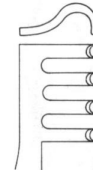
AE.700.05  
5,0 cm - 2"  
3 x 3 Teeth  
Sharp



AE.701.05  
5,0 cm - 2"  
3 x 3 Teeth  
Blunt



AE.702.07  
5,0 cm - 2"  
Sharp

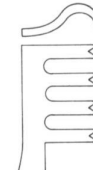


AE.703.07  
5,0 cm - 2"  
Blunt

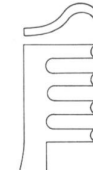
**AE.700.05**  
**AE.701.05**  
**AE.702.07**  
**AE.703.07**

Finsen  
Retractors

1/1

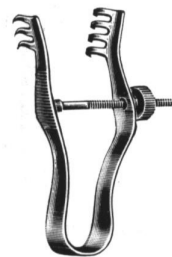


AE.704.07  
7,0 cm - 2 3/4"  
3 x 4 Teeth  
Sharp



AE.705.07  
7,0 cm - 2 3/4"  
3 x 4 Teeth  
Blunt

1/2



**AE.704.07**  
**AE.705.07**

Finsen Mod. Martin  
Retractors

1/2



1/1



AE.708.04  
4,0 cm - 1 1/2"  
3 x 3 Teeth

**AE.708.04**

Logan  
Retractors

1/2



**AE.709.30**  
Retractors

AE.709.30  
3,0 cm - 1 1/4"  
Fat Spreaders  
for coronary  
surgeries

1/1



1/2



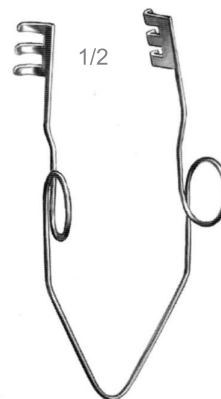
**AE.709.40**  
Retractors

AE.709.40  
4,0 cm - 1 1/2"  
Fat Spreaders  
for coronary  
surgeries

1/1



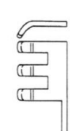
1/2



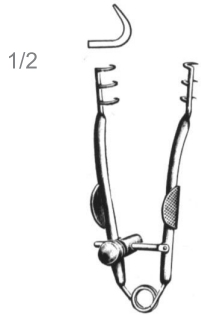
**AE.709.55**  
Retractors

AE.709.55  
5,5 cm - 2 1/4"  
Fat Spreaders  
for coronary  
surgeries

1/1

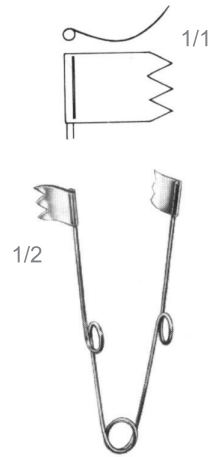


AE



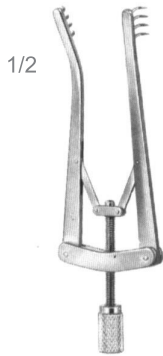
AE.710.06  
6,0 cm - 2 1/4"  
3 x 3 Teeth  
Sharp

**AE.710.06**  
Buckley  
Retractors

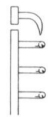


AE.712.08  
8,0 cm - 3 1/4"  
3 x 3 Teeth

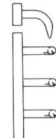
**AE.712.08**  
Retractors



**AE.714.07/10**  
**AE.715.07/10**  
**AE.716.10**  
Alm  
Retractors



AE.714.07  
7,0 cm - 2 3/4"  
4 x 4 Teeth  
Sharp



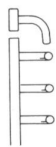
AE.714.10  
10,0 cm - 4"  
4 x 4 Teeth  
Sharp



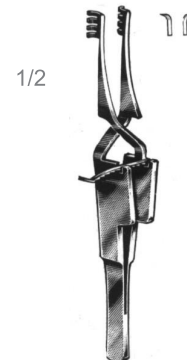
AE.715.07  
7,0 cm - 2 3/4"  
4 x 4 Teeth  
Blunt



AE.716.10  
10,0 cm - 4"  
4 x 4 Teeth  
Semi Sharp



AE.715.10  
10,0 cm - 4"  
4 x 4 Teeth  
Blunt

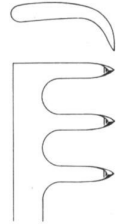


AE.717.10  
10,0 cm - 4"  
4 x 4 Teeth  
Blunt

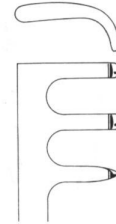
**AE.717.10**  
Retractors



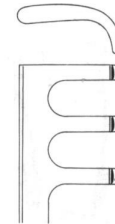
1/1



AE.720.10  
10,0 cm - 4"  
3 x 3 Teeth  
Sharp



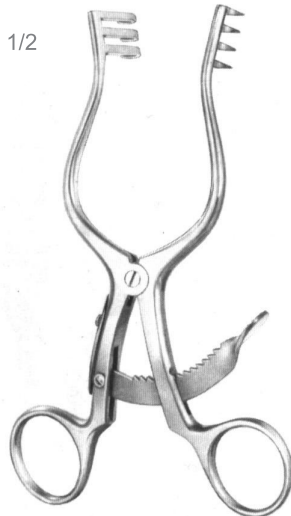
AE.721.10  
10,0 cm - 4"  
3 x 3 Teeth  
With 1 Sharp  
and 2 blunt  
prongs each



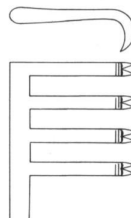
AE.723.10  
10,0 cm - 4"  
3 x 3 Teeth  
Blunt

**AE.720.10**  
**AE.721.10**  
**AE.723.10**

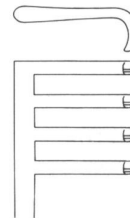
Jansen  
Retractors



1/1



AE.725.14  
14,0 cm - 5 1/2"  
3 x 4 Teeth  
Sharp

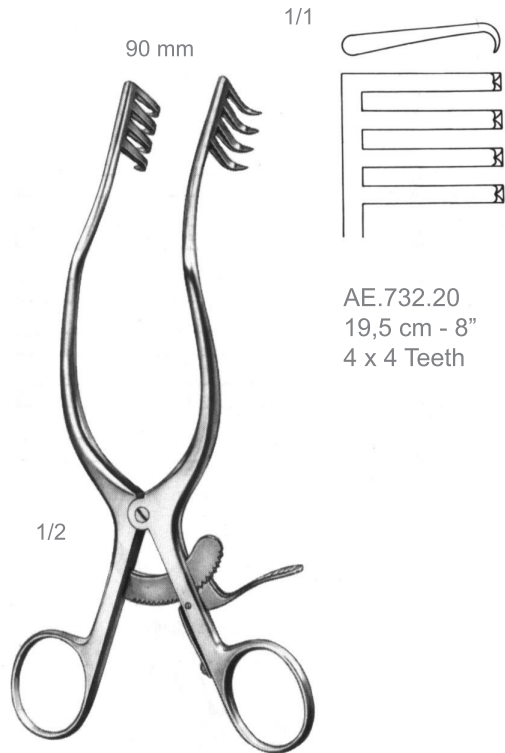


AE.727.14  
14,0 cm - 5 1/2"  
3 x 4 Teeth  
Blunt

**AE.725.14**  
**AE.727.14**

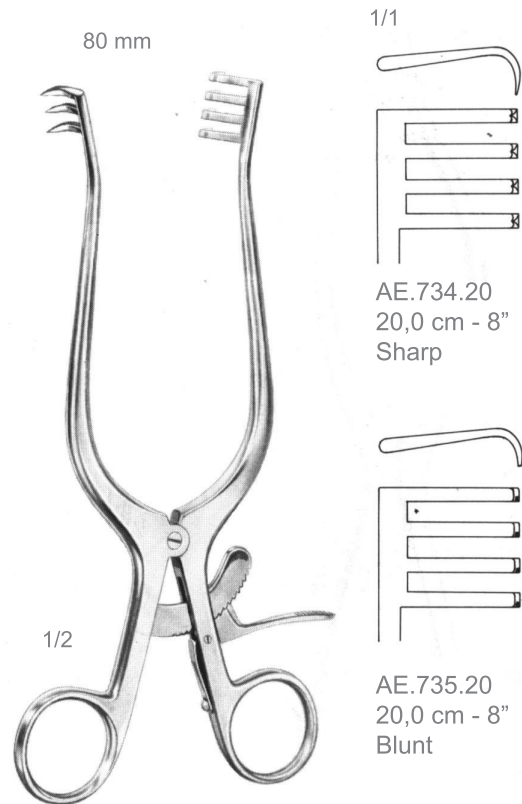
Scalp Contour  
Retractors

AE



**AE.732.20**  
Anderson-Adson  
Retractors

AE.732.20  
19,5 cm - 8"  
4 x 4 Teeth



**AE.734.20**  
**AE.735.20**

Weitlaner  
Retractors

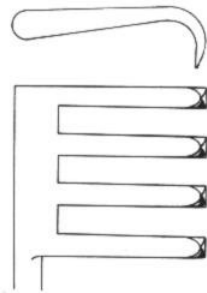
AE.734.20  
20,0 cm - 8"  
Sharp

AE.735.20  
20,0 cm - 8"  
Blunt

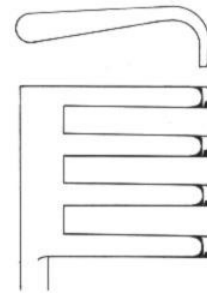


**AE.736.26**  
**AE.737.26**  
**AE.738.26**  
**AE.739.26**

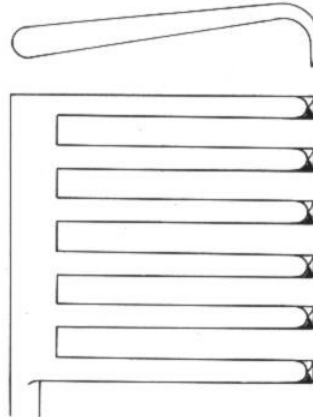
Adson  
Retractors



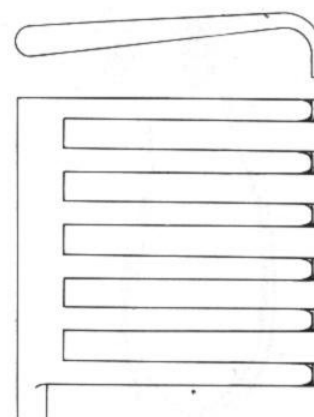
AE.736.26  
26,5 cm - 10 1/2"  
3:4 Teeth  
Sharp



AE.737.26  
26,5 cm - 10 1/2"  
3:4 Teeth  
Blunt



AE.738.26  
26,5 cm - 10 1/2"  
6:6 Teeth  
Sharp



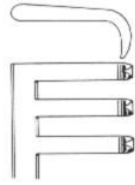
AE.739.26  
26,5 cm - 10 1/2"  
6:6 Teeth  
Blunt

AE

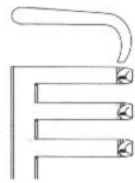


**AE.748.10**  
**AE.749.10**

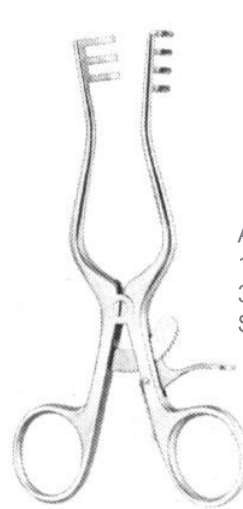
Weitlaner-Loktite  
Retractors



AE.748.10  
10,5 cm - 4 1/4"  
2:3 Teeth  
Sharp

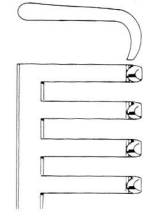


AE.749.10  
10,5 cm - 4 1/4"  
2:3 Teeth  
Blunt

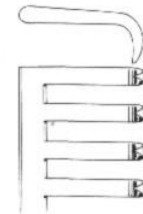


**AE.750.13/16**  
**AE.751.13/16**

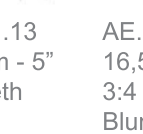
Retractors



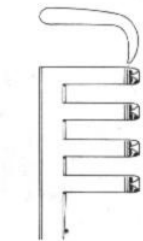
AE.750.13  
13,0 cm - 5"  
3:4 Teeth  
Sharp



AE.750.16  
16,5 cm - 6 1/2"  
3:4 Teeth  
Sharp



AE.751.13  
13,0 cm - 5"  
3:4 Teeth  
Blunt

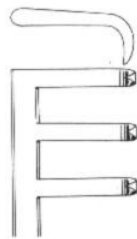


AE.754.15  
15,0 cm - 6"  
Sharp

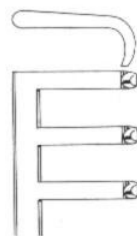


**AE.752.13**  
**AE.753.13**

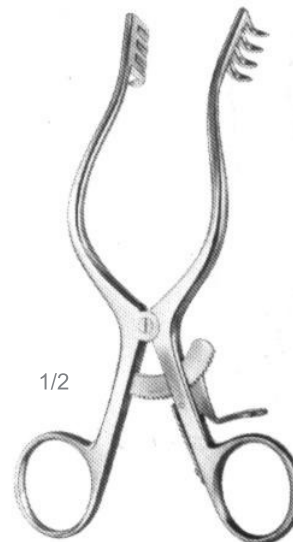
Weitlaner-Wullstein  
Retractors



AE.752.13  
13,0 cm - 5"  
Sharp



AE.753.13  
13,0 cm - 5"  
Blunt



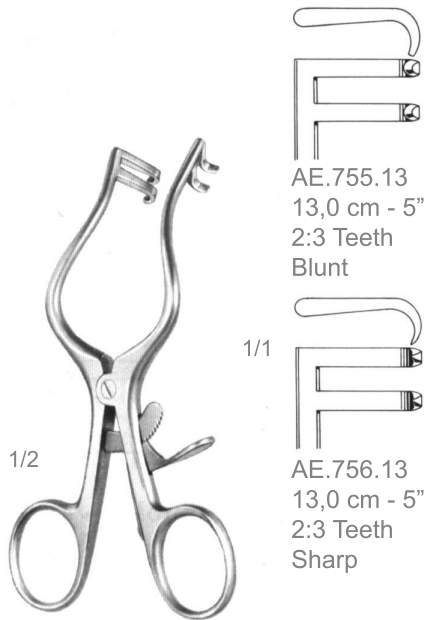
**AE.754.15**  
Mollison  
Retractors

1/1

1/2

1/2

1/1



**AE.755.13**  
**AE.756.13**

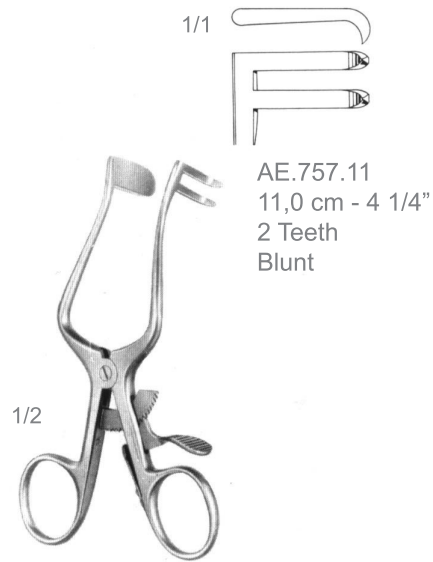
Plester  
Retractors



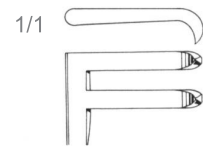
AE.755.13  
13,0 cm - 5"  
2:3 Teeth  
Blunt



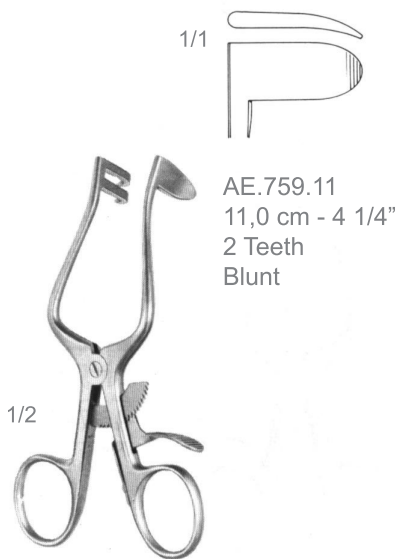
AE.756.13  
13,0 cm - 5"  
2:3 Teeth  
Sharp



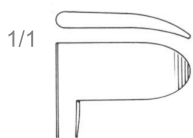
**AE.757.11**  
Plester  
Retractors



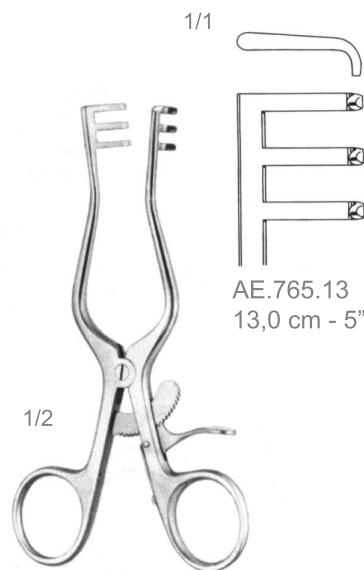
AE.757.11  
11,0 cm - 4 1/4"  
2 Teeth  
Blunt



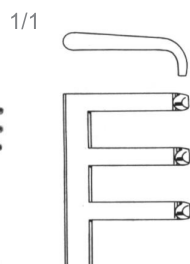
**AE.759.11**  
Plester  
Retractors



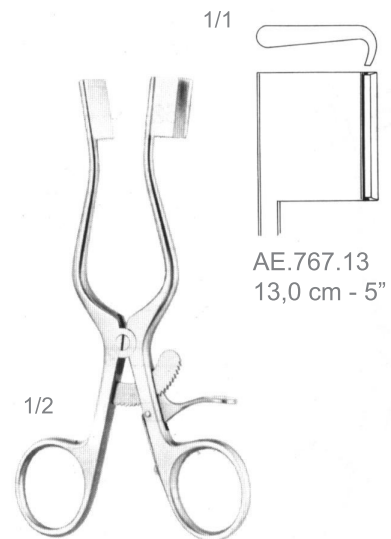
AE.759.11  
11,0 cm - 4 1/4"  
2 Teeth  
Blunt



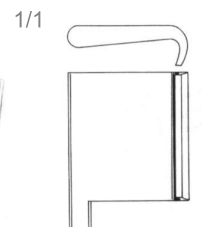
**AE.765.13**  
Milligan  
Retractors



AE.765.13  
13,0 cm - 5"

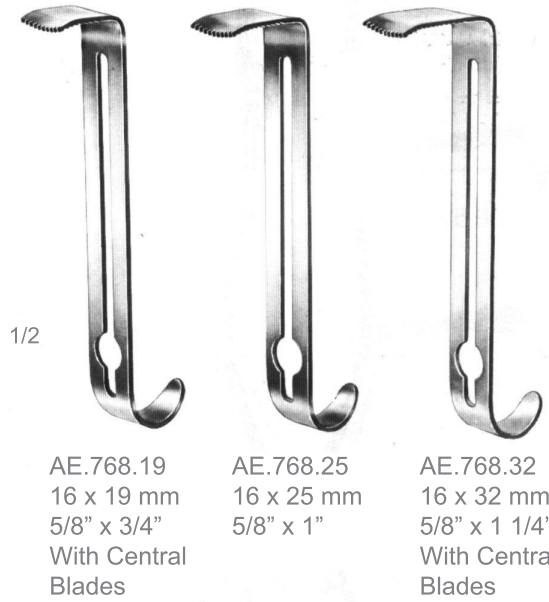
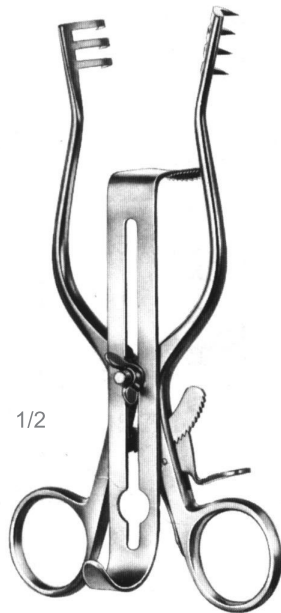
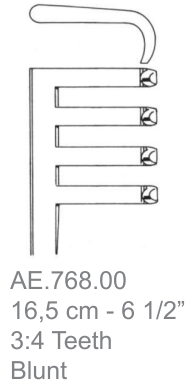
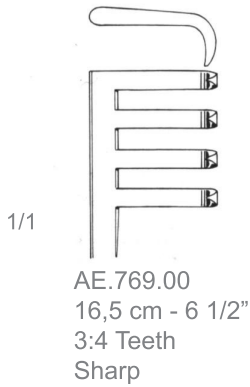


**AE.767.13**  
Weitlaner-Baby  
Retractors

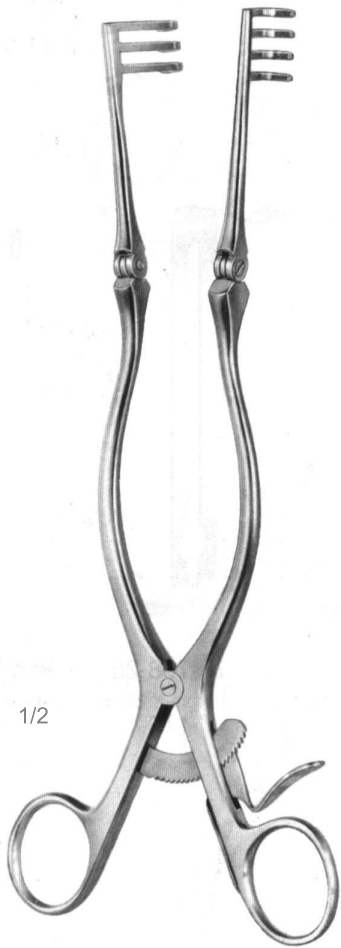


AE.767.13  
13,0 cm - 5"

AE

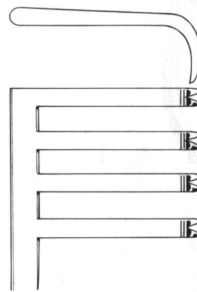




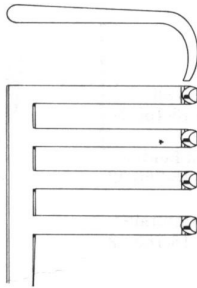


**AE.770.13/26**  
**AE.771.13/26**

Henley  
Retractors

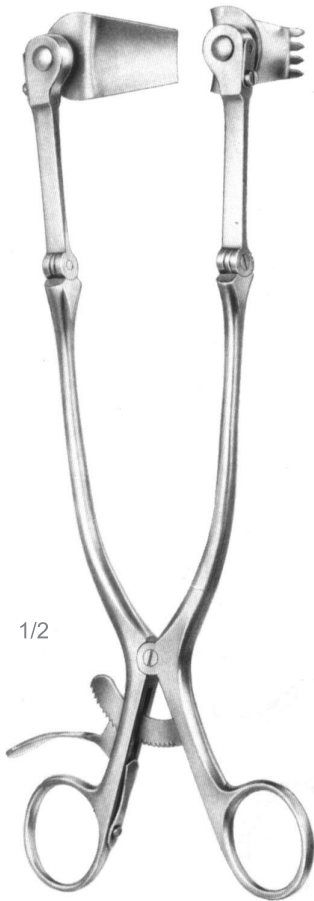


AE.770.26	10,0 cm - 10 1/4"	3:4 Teeth	Sharp
AE.770.16	10,0 cm - 10 1/4"	3:4 Teeth	Sharp
AE.770.20	10,0 cm - 10 1/4"	3:4 Teeth	Sharp
AE.770.26	10,0 cm - 10 1/4"	3:4 Teeth	Sharp



AE.771.26	10,0 cm - 10 1/4"	3:4 Teeth	Blunt
AE.771.16	10,0 cm - 10 1/4"	3:4 Teeth	Blunt
AE.771.20	10,0 cm - 10 1/4"	3:4 Teeth	Blunt
AE.771.26	10,0 cm - 10 1/4"	3:4 Teeth	Blunt

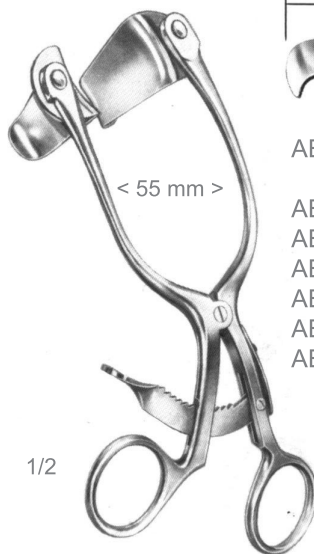
AE



**AE.774.00/60**

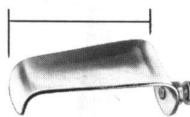
Cloward  
Retractors

AE.774.00	25,0 cm - 10"	Retractor Complete (with 2 blades ea.)
AE.774.25	25,0 cm - 10"	Retractor Only
AE.774.40	25,0 cm - 10"	40 mm
AE.774.45	25,0 cm - 10"	45 mm
AE.774.50	25,0 cm - 10"	50 mm
AE.774.55	25,0 cm - 10"	55 mm
AE.774.60	25,0 cm - 10"	60 mm



**AE.775.00/60**

Cloward  
Retractors



AE.775.00	16,0 cm - 6 1/2"	Retractor Complete (with 2 blades ea.)
AE.775.15	16,0 cm - 6 1/2"	Retractor Only
AE.775.40	16,0 cm - 6 1/2"	40 mm
AE.775.45	16,0 cm - 6 1/2"	45 mm
AE.775.50	16,0 cm - 6 1/2"	50 mm
AE.775.55	16,0 cm - 6 1/2"	55 mm
AE.775.60	16,0 cm - 6 1/2"	60 mm

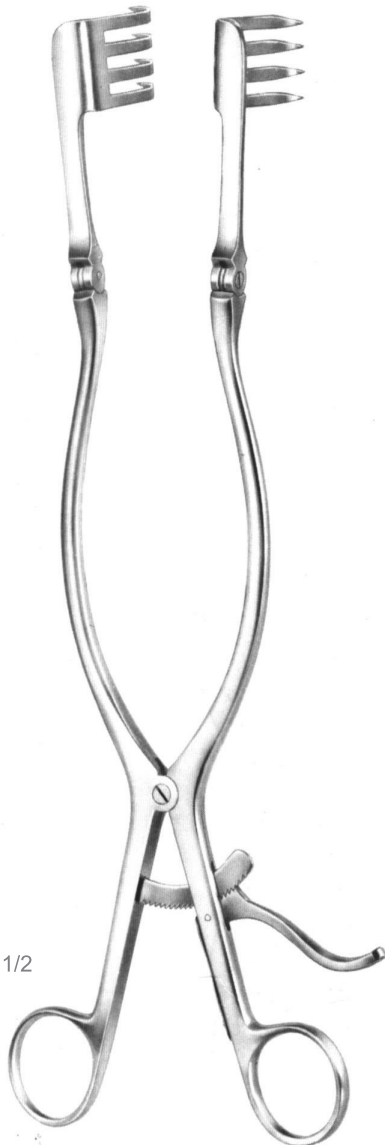


**AE.776.31**  
Beckmann  
Retractors



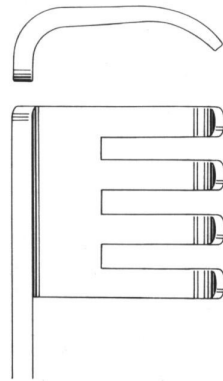
**AE.777.32**  
Adson  
Retractors

AE

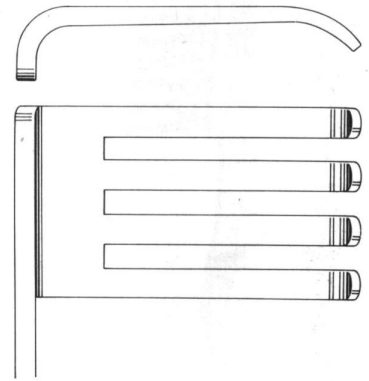


1/2

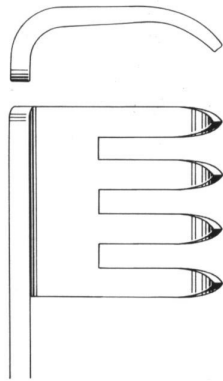
**AE.778.00/03**  
Beckmann-Adson  
Retractors



AE.778.00  
31,0 cm - 12 1/4"  
4:4 Teeth  
Blunt

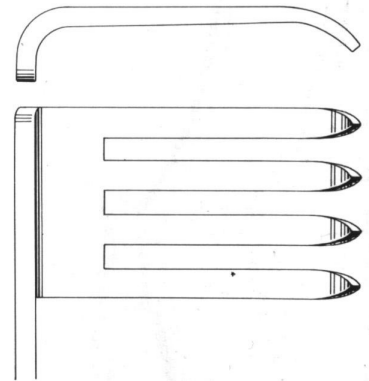


AE.778.02  
31,0 cm - 12 1/4"  
4:4 Teeth  
Blunt

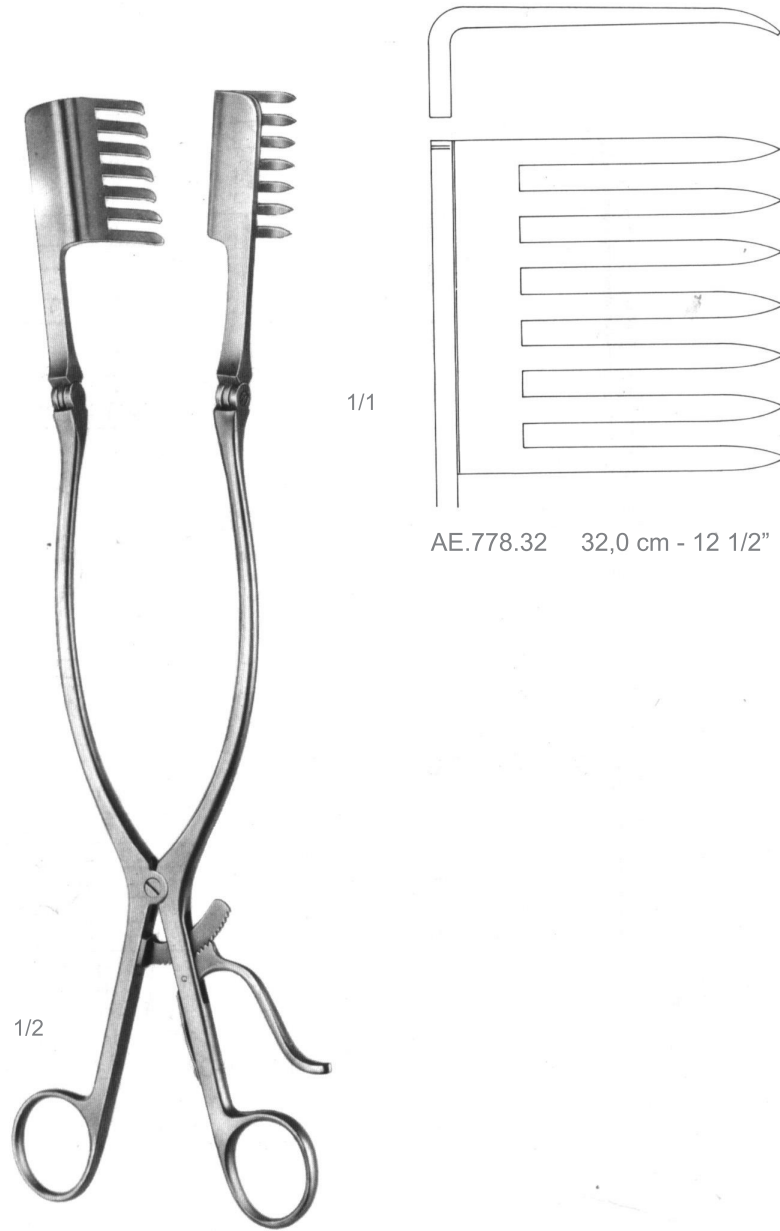


1/1

AE.778.01  
31,0 cm - 12 1/4"  
4:4 Teeth  
Sharp



AE.778.03  
31,0 cm - 12 1/4"  
4:4 Teeth  
Sharp



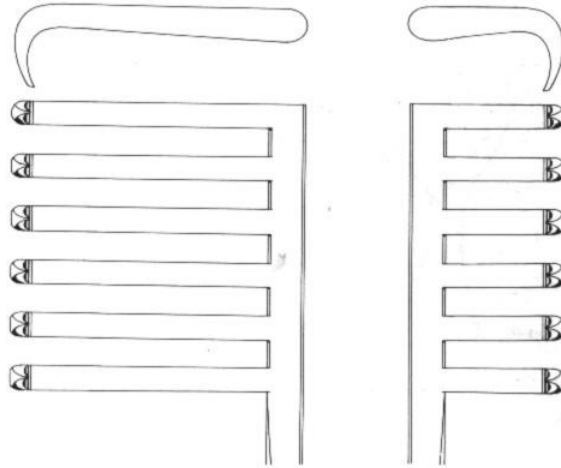
**AE.778.32**

Beckmann-Eaton  
Retractors

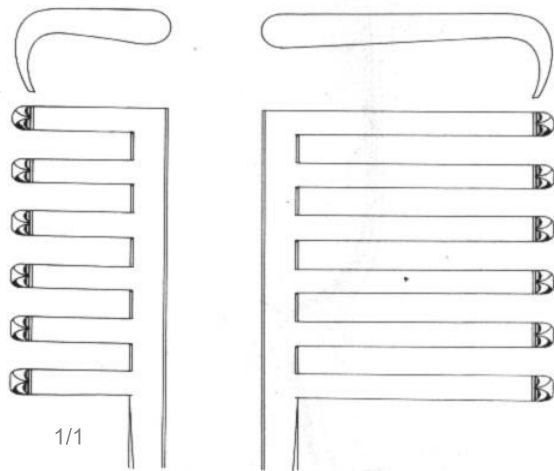
AE



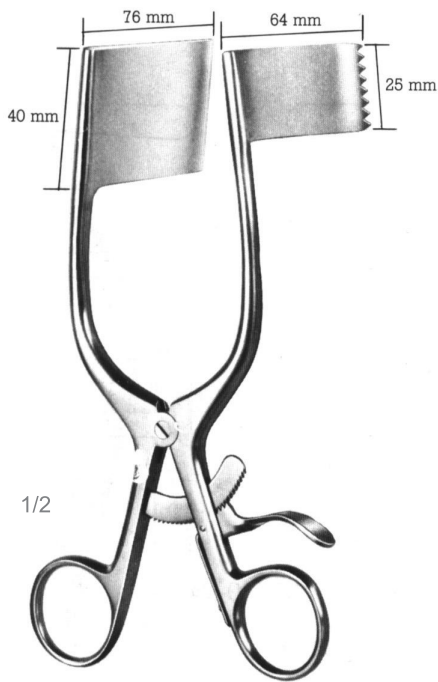
**AE.790.01/02**  
Martin  
Retractors



AE.790.01 27,0 cm - 10 3/4" 6:6 Teeth  
Hemi-laminectomy retractor

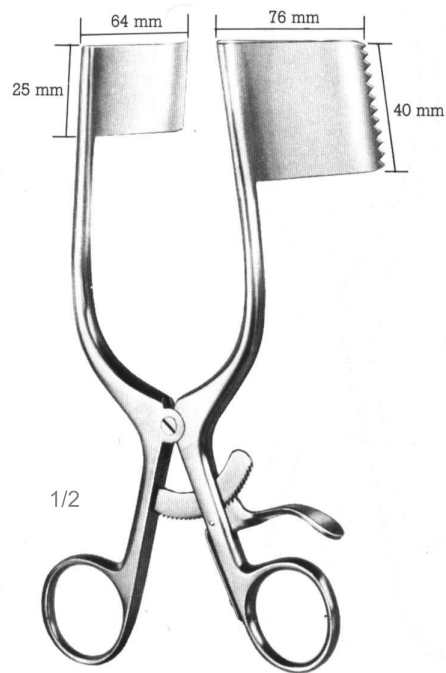


AE.790.02 27,0 cm - 10 3/4" 6:6 Teeth  
Hemi-laminectomy retractor



**AE.784.01**  
Darlin  
Retractors

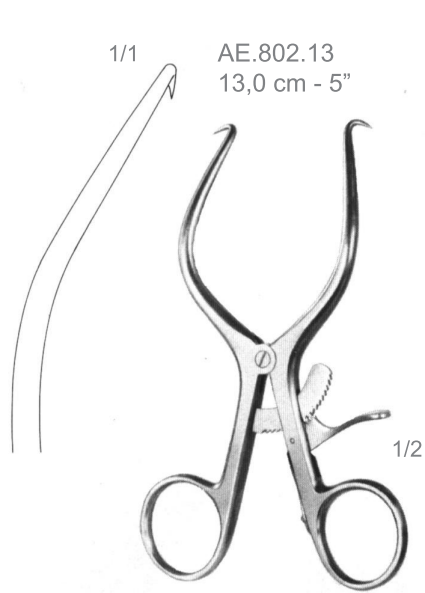
AE.784.01  
18,0 cm - 7"  
(Poplitea)



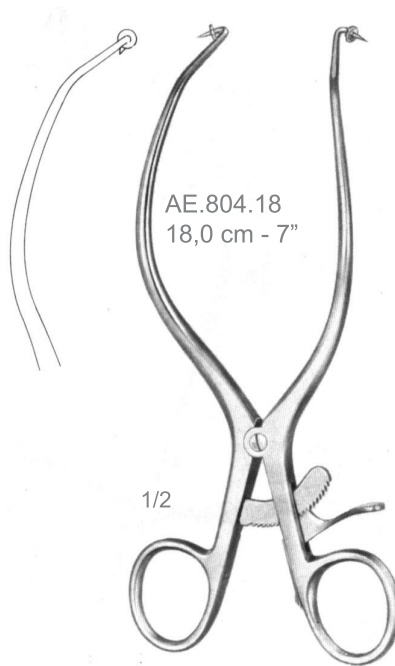
**AE.784.02**  
Darlin  
Retractors

AE.784.02  
18,0 cm - 7"  
(Poplitea)

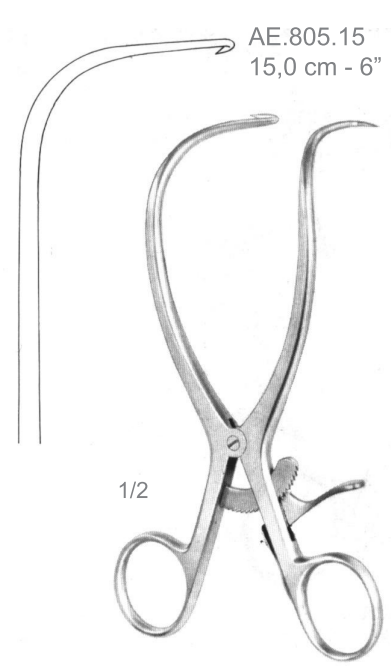
AE



**AE.802.13**  
Gelpi-Loktite  
Retractors



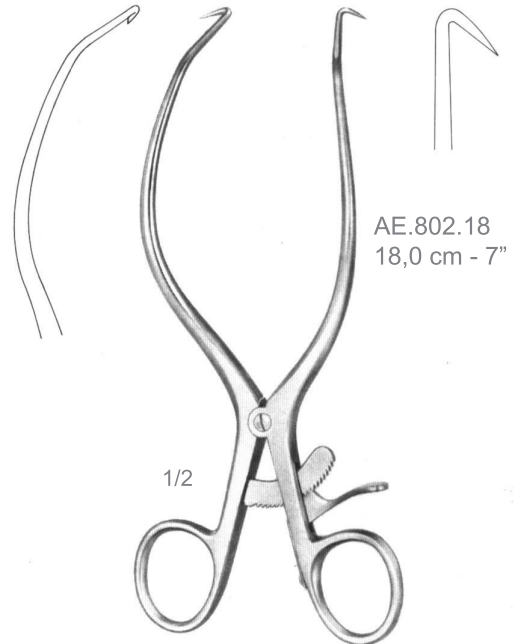
**AE.804.18**  
Gelpi-Loktite  
Retractors



**AE.805.15**  
Gelpi-Seiletz  
Retractors



**AE.801.00**  
Joll  
Retractors



**AE.802.18**  
Gelpi-Loktite  
Retractors



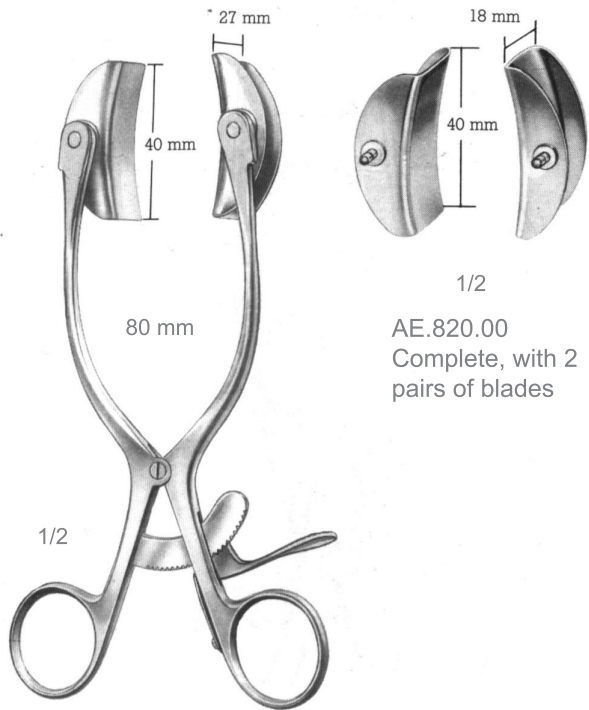
## Abdominal Retractors

BAUCHDECKENHALTER - SEPARADORES ABDOMINALES

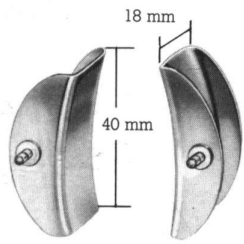
# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**

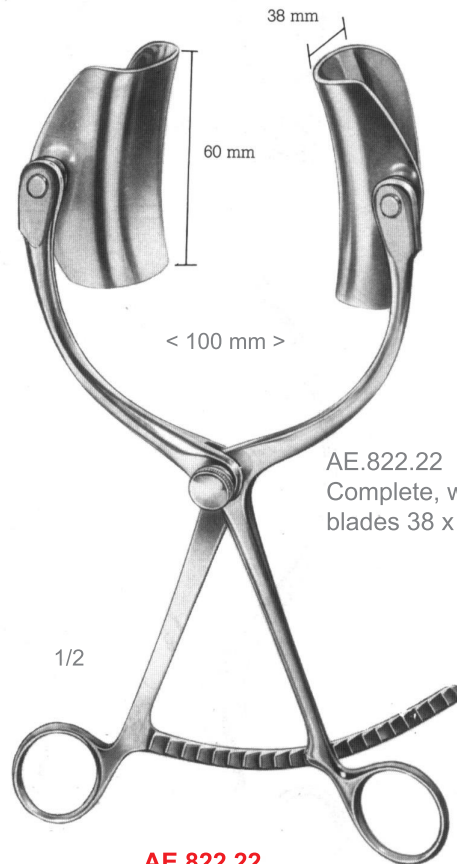


**AE.820.00**  
Baby-Collin  
Abdominal  
Retractors



1/2  
**AE.820.00**  
Complete, with 2  
pairs of blades

Measurements of blades:  
Depth x width



**AE.822.22**  
Collin  
Abdominal  
Retractors

**AE.822.22**  
Complete, with 1 pair of  
blades 38 x 60 mm

**AE**

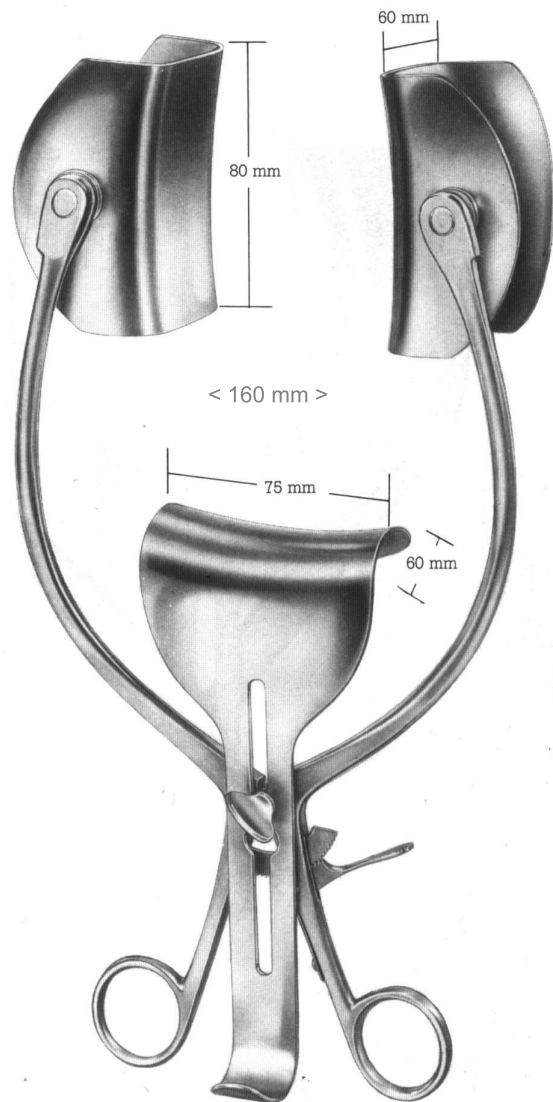
Measurements of blades:  
Depth x width

AE.823.00	38 x 60 mm	Lateral Blades
AE.823.00	38 x 55 mm	Central Blades
AE.824.00	38 x 80 mm	Lateral Blades
AE.824.00	50 x 75 mm	Central Blades

AE.826.00  
26,0 cm - 10 1/2"

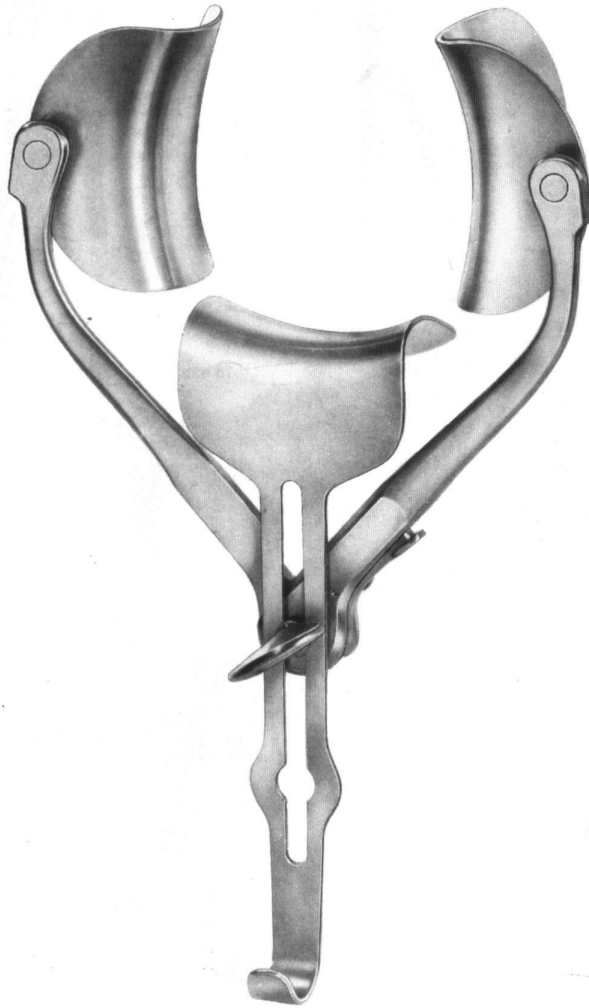


**AE.823.00**  
**AE.824.00**  
Collin  
Abdominal  
Retractors



**AE.826.00**  
Collin-Loktite  
Abdominal  
Retractors

Measurements of blades:  
Depth x width



AE.828.00	28,0 cm - 11"	Complete
AE.828.01	28,0 cm - 11"	Spreader only

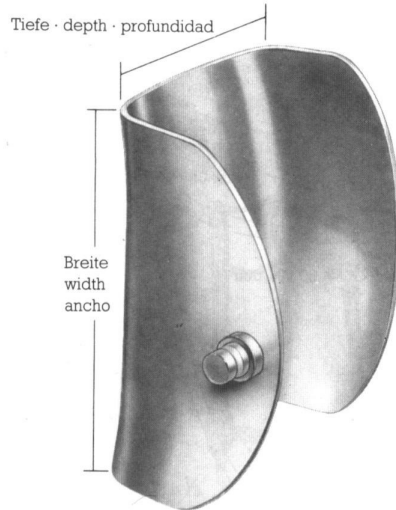
AE.830.00	30,0 cm - 12"	Complete
AE.830.02	55 x 70 mm	Center Blade
AE.830.04	80 x 90 mm	Center Blade

AE.839.90	50 x 58 mm	Lateral Blades
AE.839.92	60 x 80 mm	Lateral Blades
AE.839.94	72 x 85 mm	Lateral Blades

**AE.828.00**  
**AE.830.00**

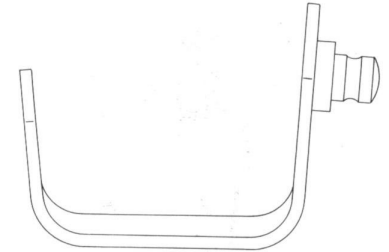
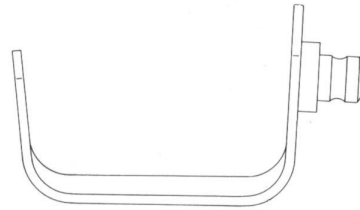
Ricard  
Abdominal  
Retractors

AE



**AE.839.18/60**

Exchangeable Lateral Blades for Abdominal Retractors and Rib Spreaders



AE.839.18	18 x 40 mm
AE.839.27	27 x 40 mm
AE.839.38	38 x 60 mm
AE.839.40	40 x 80 mm
AE.839.45	45 x 80 mm
AE.839.60	60 x 80 mm

Measurements of blades:  
Depth x width

Martin Exchangeable Blades fitting the following models:



**AE.820.00**



**AE.822.22**



**AE.823.00**  
**AE.824.00**



**AE.826.00**



**AE.828.00**  
**AE.830.00**

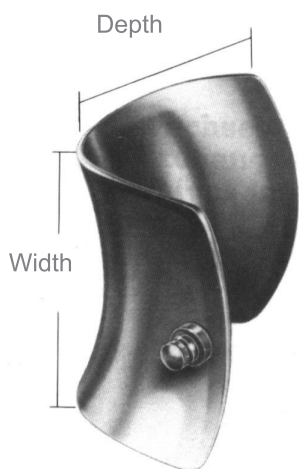
## Exchangeable Lateral Blades for Abdominal Retractors and Rib Spreaders

AUSTAUSCHBARE SEITENVALVEN FÜR BAUCHDECKENHALTER UND RIPPENSPERRER - VALVAS LATERALES INTERCAMBIABLES PARA SEPARADORES ABDOMINALES Y DE COSTILLAS

# Kolpen

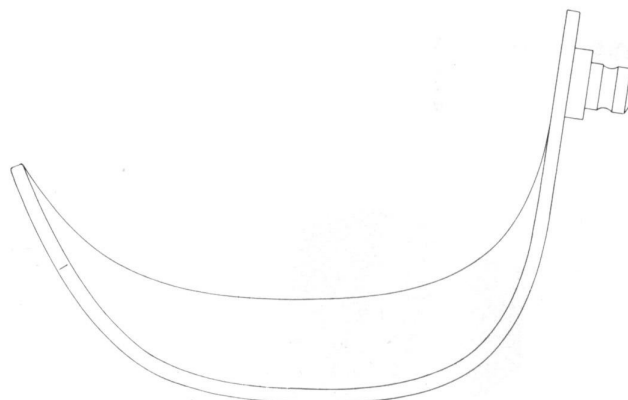
GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**



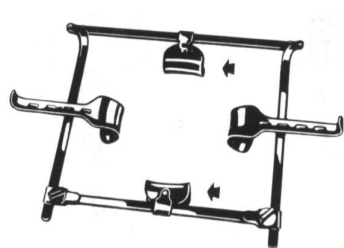
**AE.839.50/92**

Exchangeable Lateral Blades  
for Abdominal Retractors and  
Rib Spreaders

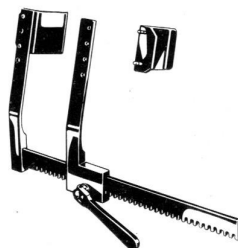


AE.839.50	50 x 70 mm
AE.839.52	52 x 110 mm
AE.839.70	70 x 55 mm
AE.839.80	80 x 90 mm
AE.839.90	50 x 58 mm
AE.839.92	60 x 80 mm
AE.839.94	72 x 85 mm

Martin Exchangeable Blades fitting the following models:



**AE.894.00**  
**AE.896.00**



**BD.180.00**  
**BD.181.00**



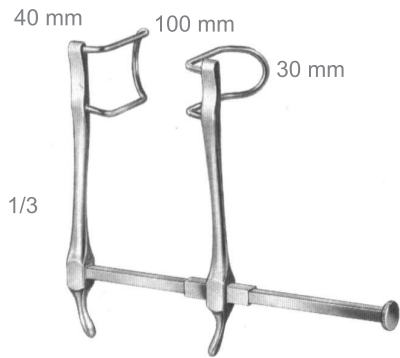
**BD.190.00**



**CA.508.00**

Measurements of blades:  
Depth x width

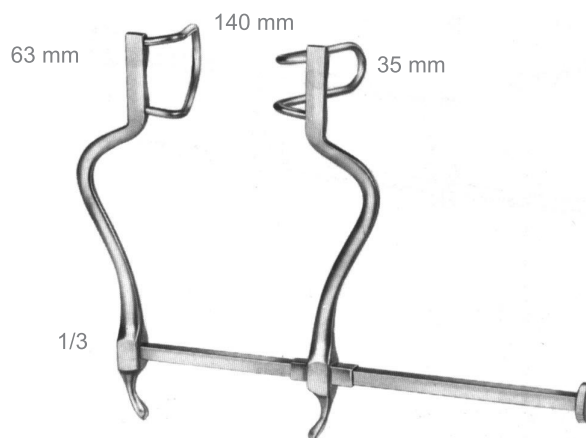
AE



**AE.840.00**  
AE.840.00  
Gosset  
Abdominal  
Retractors



**AE.844.00**  
AE.844.00  
Gosset  
Abdominal  
Retractors



**AE.846.00**  
AE.846.00  
Gosset  
Abdominal  
Retractors

Measurements of blades:  
Depth x width

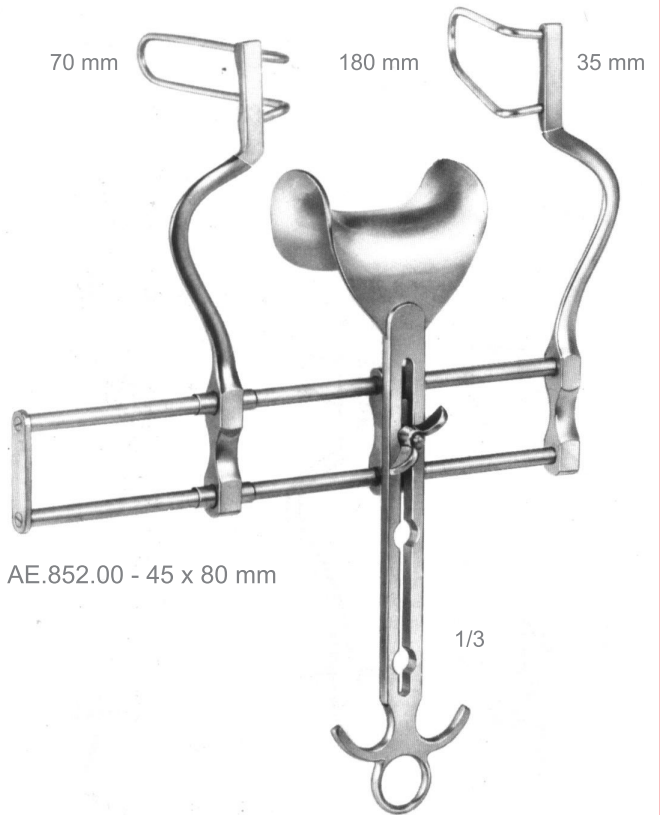
Abdominal Retractors

BAUCHDECKENHALTER - SEPARADORES ABDOMINALES

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

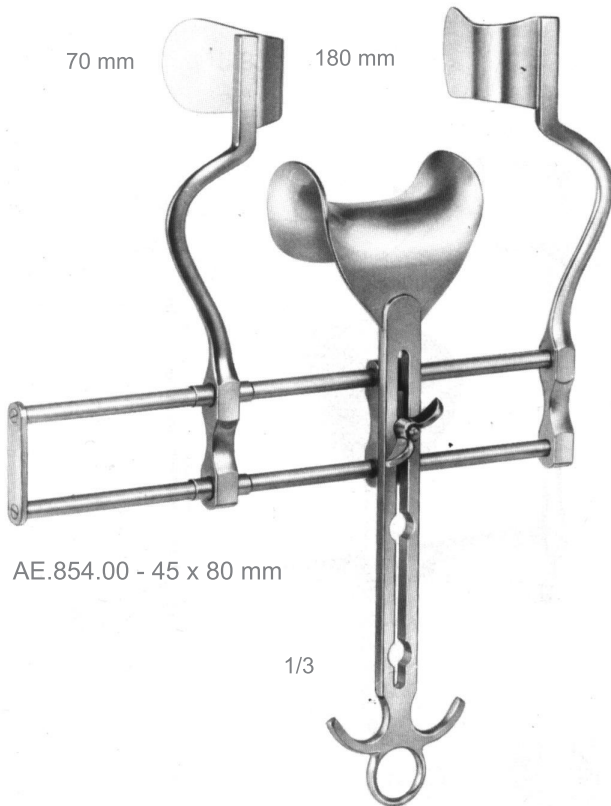


**AE.850.00**  
Balfour-Baby  
Abdominal  
Retractors



AE.852.00 - 45 x 80 mm

**AE.852.00**  
Balfour  
Abdominal  
Retractors

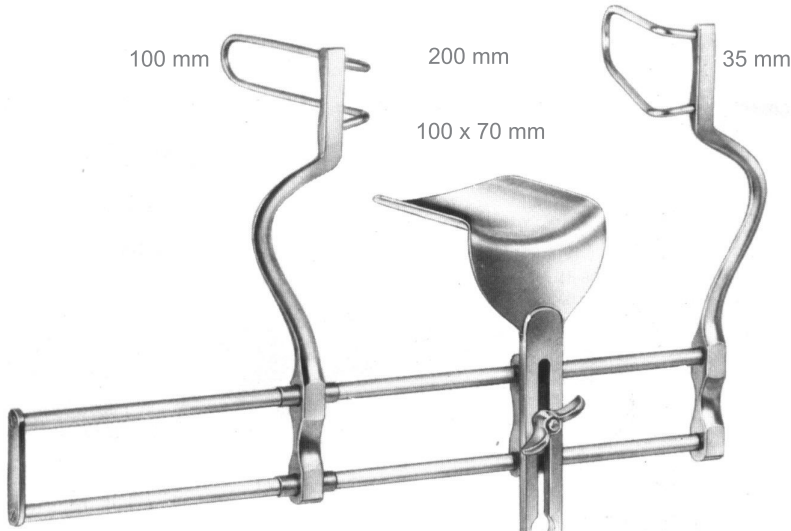


AE.854.00 - 45 x 80 mm

**AE.854.00**  
Balfour  
Abdominal  
Retractors

Measurements of blades:  
Depth x width

AE

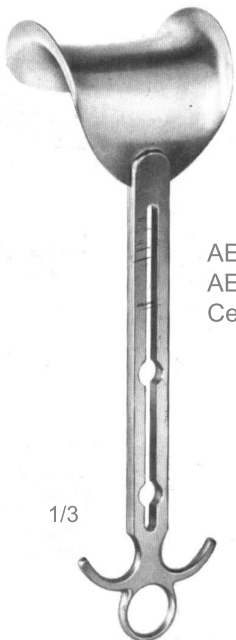


AE.854.00

**AE.856.00**

Balfour  
Abdominal  
Retractors

1/3

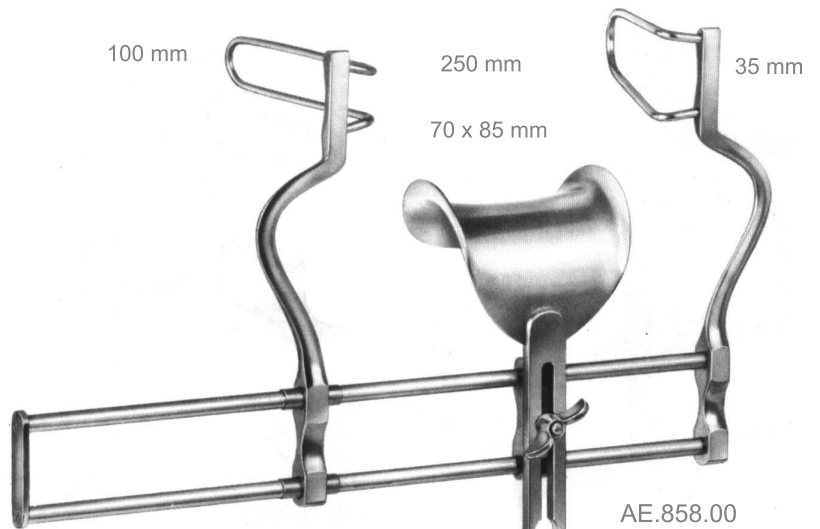


AE.859.01 45 x 80 mm  
AE.859.02 70 x 85 mm  
Centre Blade only

1/3

**AE.859.01/02**

Balfour  
Abdominal  
Retractors



AE.858.00

1/3

**AE.858.00**

Balfour  
Abdominal  
Retractors

Measurements of blades:  
Depth x width



# Abdominal Retractors

BAUCHDECKENHALTER - SEPARADORES ABDOMINALES

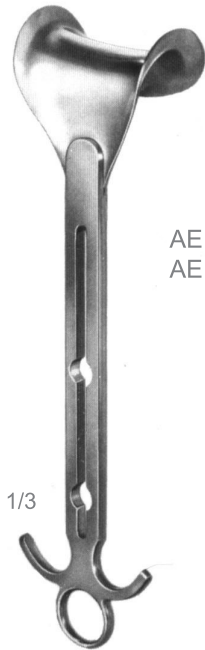
# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

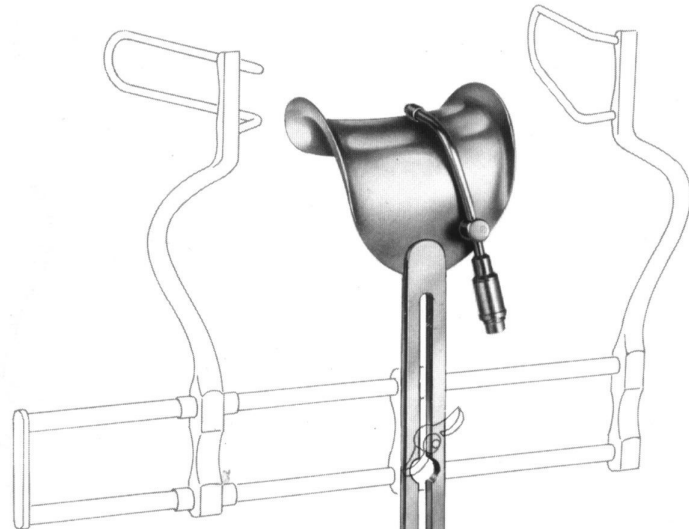
**AE**

Measurements of blades:  
Depth x width

AE.859.05 68 x 85 mm  
AE.859.06 40 x 68 mm  
Centre Blade



**AE.859.05/06**  
Balfour  
Abdominal  
Retractors



AE.859.52 70 x 85 mm  
Centre Blade Only,  
fitting all Martin Balfour  
Abdominal Retractors,  
complete with interchangeable  
fiber optic light carrier

AE.859.53  
Fiber Optic Light Carrier

**AE.859.52/53**  
Balfour  
Abdominal  
Retractors



AE.860.00 Complete

**AE.860.00/08**  
Balfour US-Type  
Abdominal  
Retractors

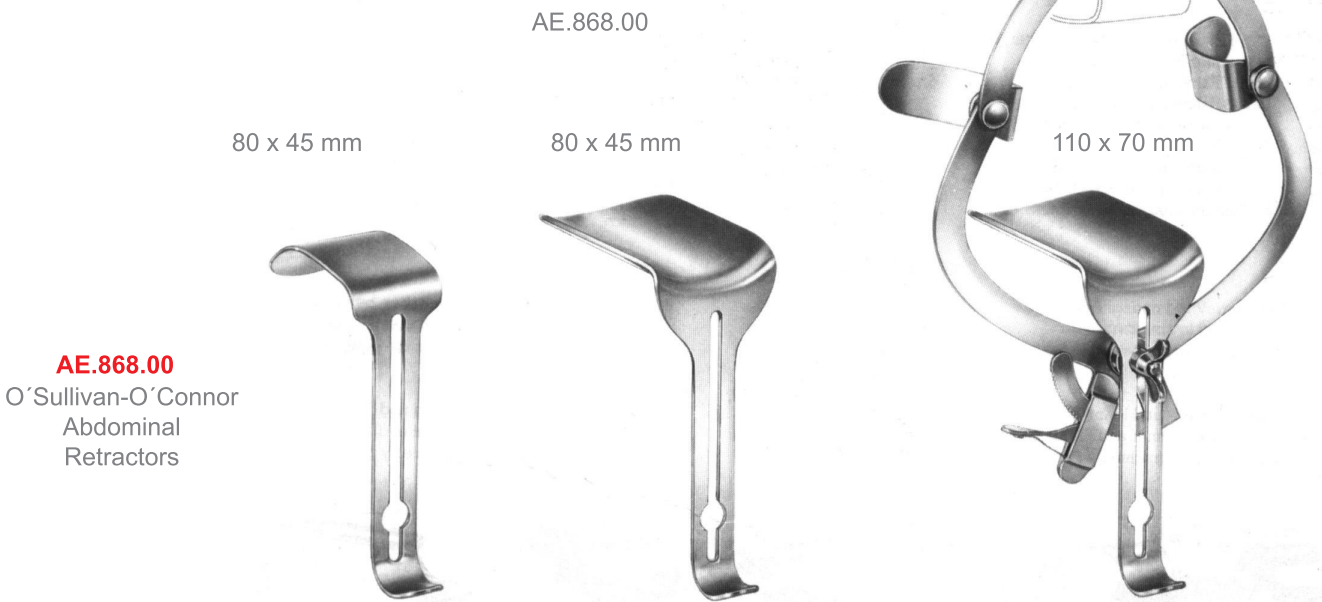
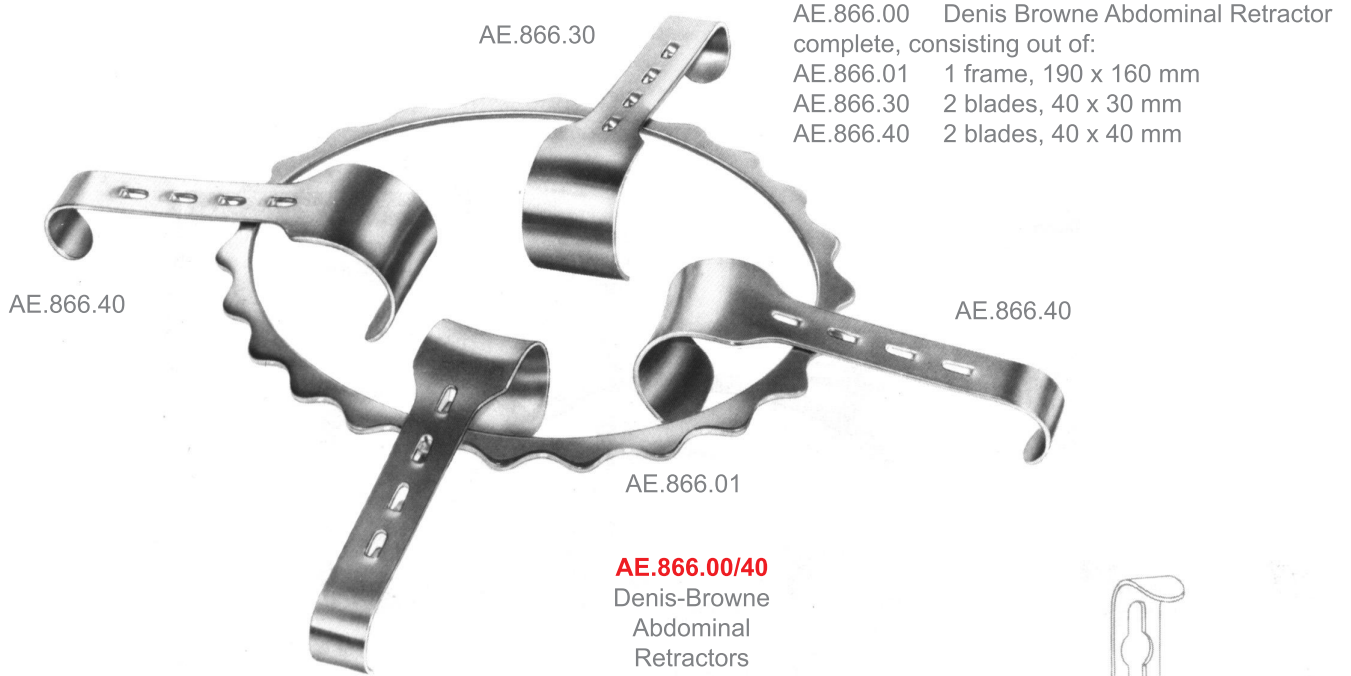


AE.860.06  
Lateral blades, 6 cm deep, per pair



AE.860.08  
Lateral blades, 8 cm deep, per pair

**AE**



Measurements of blades:  
Depth x width

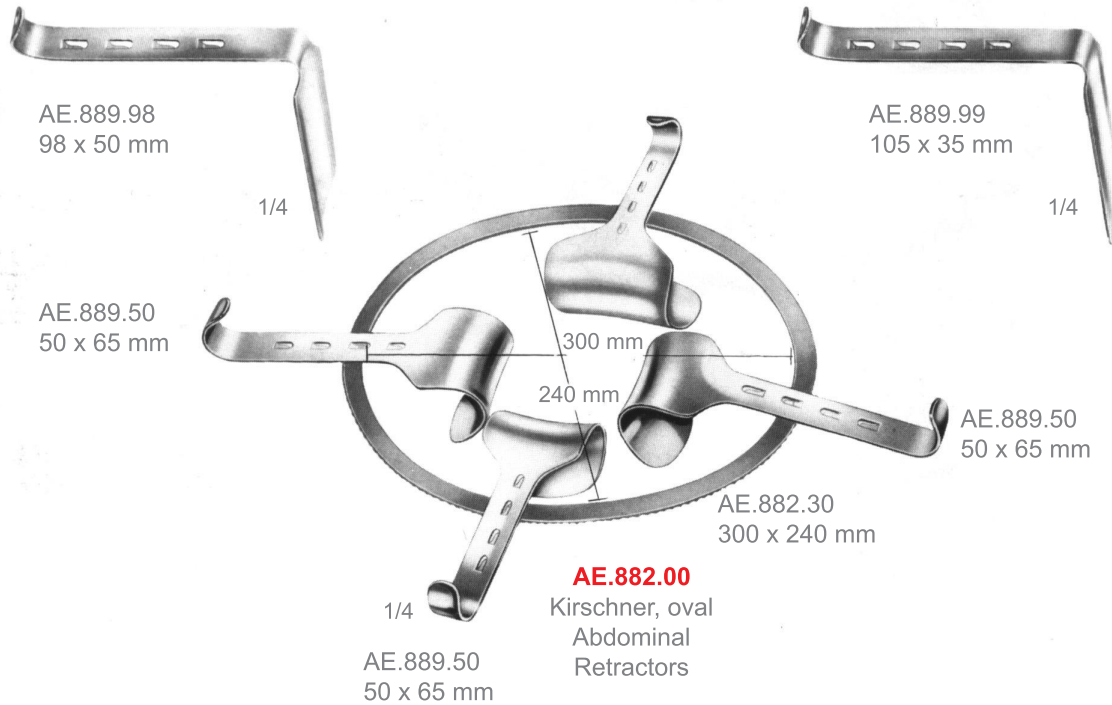
## Abdominal Retractors

BAUCHDECKENHALTER - SEPARADORES ABDOMINALES

# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**



- AE.882.00 Kirschner Abdominal Retractor, oval, complete, consisting of:  
 AE.882.30 1 Frame, 300 x 240 mm  
 AE.889.50 3 Hook-on retractors, 50 x 65 mm  
 AE.889.80 1 ditto, 80 x 90 mm  
 AE.889.98 1 ditto, 98 x 50 mm  
 AE.889.99 1 ditto, 105 x 35 mm  
 AE.882.20 Frame Only, 300 x 240 mm

### Hook-on Retractors for Kirschner and Franz Frames



- AE.889.40 40 x 55 mm  
 AE.889.50 50 x 65 mm  
 AE.889.60 60 x 85 mm  
 AE.889.78 78 x 65 mm  
 AE.889.80 80 x 90 mm

### Intestinal and Bladder



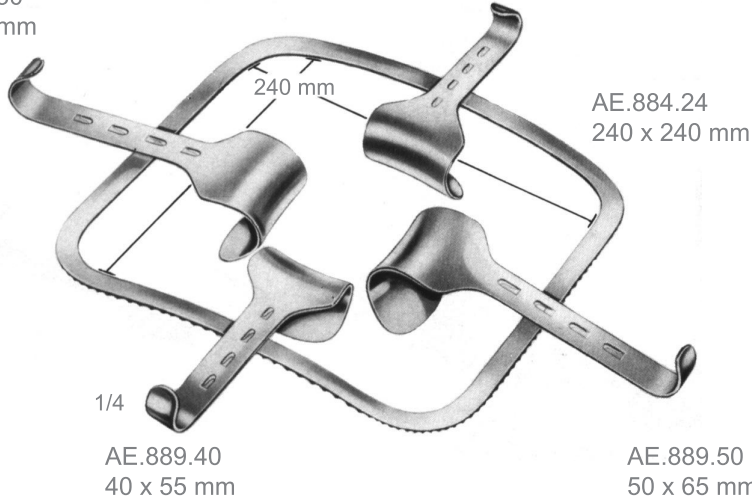
- AE.889.98 98 x 50 mm  
 AE.889.99 105 x 35 mm

Measurements of blades:  
Depth x width

**AE**

AE.889.50  
50 x 65 mm

AE.889.40  
40 x 55 mm



AE.884.24  
240 x 240 mm



AE.889.40  
40 x 55 mm

AE.889.50  
50 x 65 mm

**AE.884.00**  
Kirschner  
Abdominal  
Retractors

- AE.884.00 Kirschner Abdominal Retractor, complete, consisting of:  
 AE.884.24 1 Frame, rigid, 240 x 240 mm  
 AE.889.40 2 Hook-on retractors, 40 x 55 mm  
 AE.889.50 2 ditto, 50 x 65 mm  
 AE.884.24 Frame Only, rigid, 240 x 240 mm

Hook-on Retractors for Kirschner and Franz Frames

Standard



AE.889.40 40 x 55 mm  
 AE.889.50 50 x 65 mm  
 AE.889.60 60 x 85 mm

For corpulent patients



AE.889.78 78 x 65 mm  
 AE.889.80 80 x 90 mm

Measurements of blades:  
Depth x width

# Abdominal Retractors

BAUCHDECKENHALTER - SEPARADORES ABDOMINALES

# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**



**AE.894.00**

Franz  
Abdominal  
Retractors  
Complete  
with 4 blades

**AE.896.00**

Franz  
Abdominal  
Retractors  
Complete  
with 8 blades

- AE.894.00 Franz Abdominal Retractor, folding complete, consisting of:  
 AE.894.30 1 Frame, folding, 300 x 300 mm  
 AE.889.50 2 Hook-on retractors, 50 x 65 mm  
 AE.889.38 2 exchangeable blades 38 x 60 mm  
 AE.894.30 Frame, folding, only, 300 x 300 mm

- AE.896.00 Franz Abdominal Retractor, folding complete, consisting of:  
 AE.894.30 1 Frame, folding, 300 x 300 mm  
 AE.889.50 2 Hook-on retractors, 50 x 65 mm  
 AE.889.60 2 ditto, 60 x 85 mm  
 AE.889.38 2 exchangeable blades 38 x 60 mm  
 AE.839.45 2 ditto, 45 x 80 mm

Intestinal and Bladder



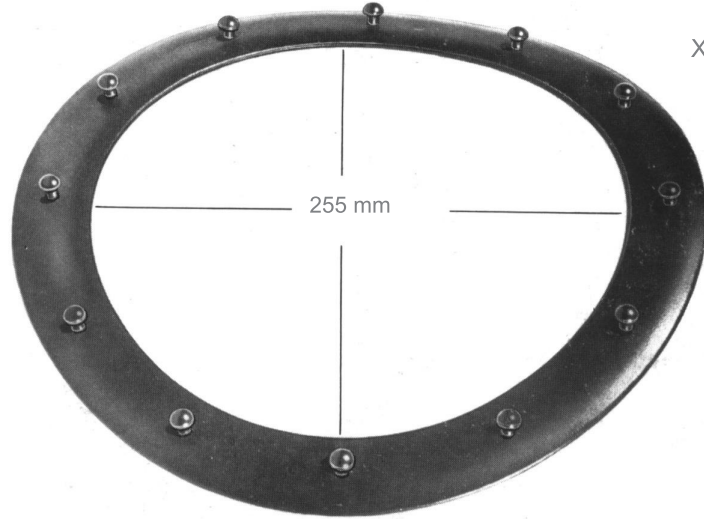
AE.889.98 98 x 35 mm  
 AE.889.99 105 x 35 mm



AE.839.38 38 x 60 mm  
 AE.839.45 45 x 80 mm

Measurements of blades:  
Depth x width

AE



X-ray

**AE.898.00/12**  
Abdominal  
Retractors

AE.898.00 Frame, complete, with 4 blades AE.898.05  
AE.898.12 Frame only, with 12 buttons



AE.898.05 50 x 65 mm  
AE.898.07 75 x 65 mm

1/2



AE.898.10  
Spare Button

Measurements of blades:  
Depth x width

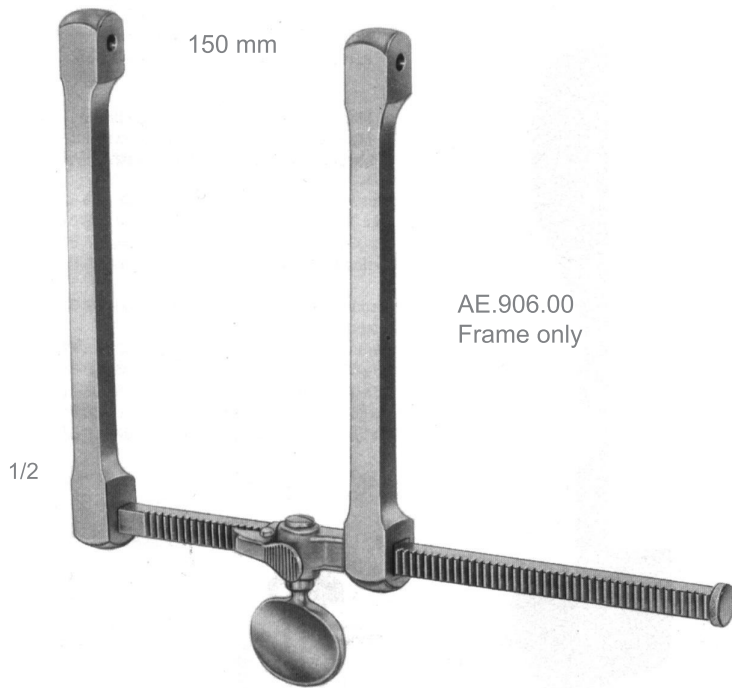
## Laminectomy Retractors

LAMINEKTOMIESPREIZER - SEPARADORES PARA LAMINECTOMIA

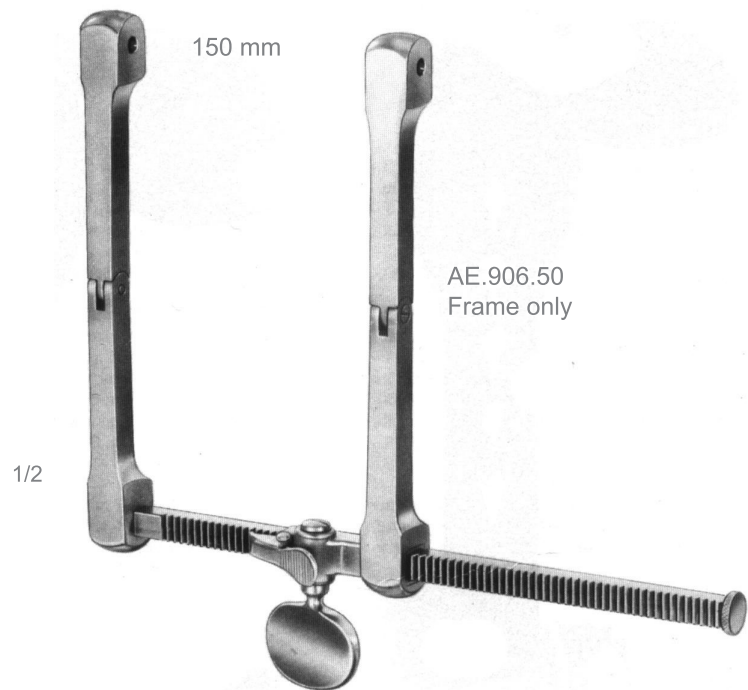
# Kolpen

GENERAL INSTRUMENTS  
ALLGEMEINES INSTRUMENTARIUM  
INSTRUMENTAL GENERAL

**AE**



**AE.906.00**  
Scoville  
Laminectomy  
Retractors



**AE.906.50**  
Scoville-Haverfield  
Laminectomy  
Retractors

AE

1/2



**AE.906.01**  
Scoville  
Laminectomy  
Retractors

AE.906.01  
50 mm - 2"



**AE.906.02**  
Scoville  
Laminectomy  
Retractors

AE.906.02  
70 mm - 2 3/4"



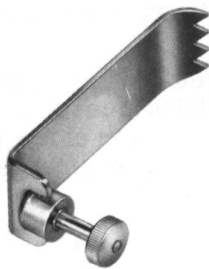
**AE.906.06**  
Scoville  
Laminectomy  
Retractors

AE.906.06  
50 mm - 2"



**AE.906.07**  
Scoville  
Laminectomy  
Retractors

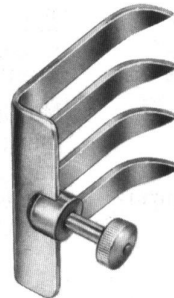
AE.906.07  
70 mm - 2 3/4"



**AE.906.11/13**  
Scoville  
Laminectomy  
Retractors

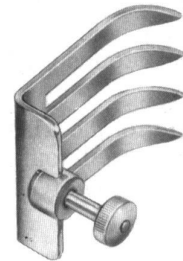
AE.906.11 64 x 25 mm  
AE.906.12 64 x 50 mm  
AE.906.13 88 x 25 mm

AE.906.41 48 x 50 mm  
AE.906.42 64 x 50 mm  
AE.906.43 64 x 64 mm  
AE.906.44 80 x 57 mm



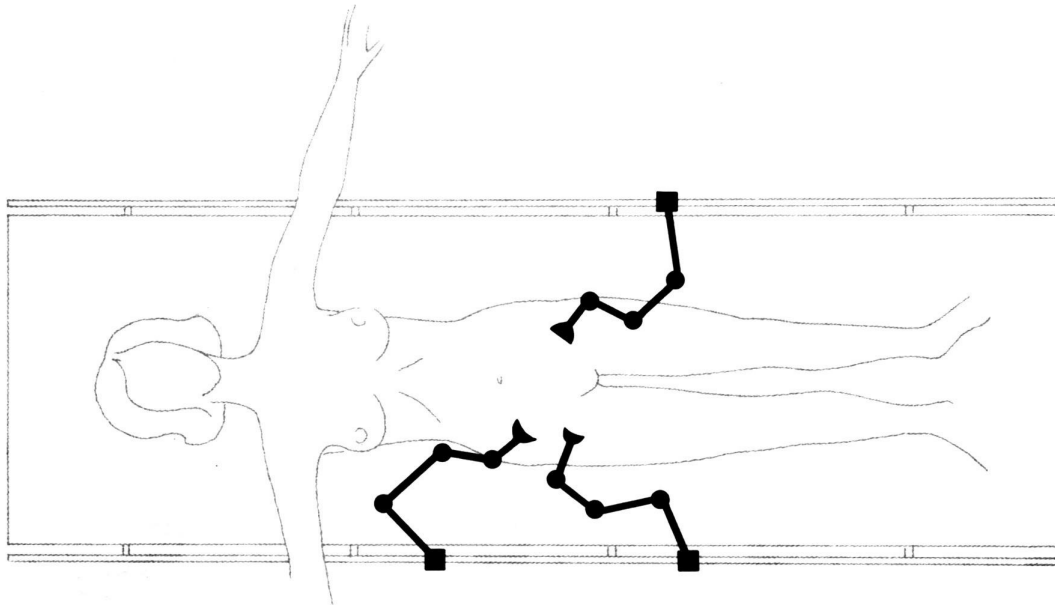
**AE.906.41/44**  
Taylor  
Laminectomy  
Retractors

AE.906.46 41 x 38 mm  
AE.906.47 67 x 44 mm



**AE.906.46/47**  
Scoville  
Laminectomy  
Retractors





Sketch shows possible settings of the MARTIN Arms

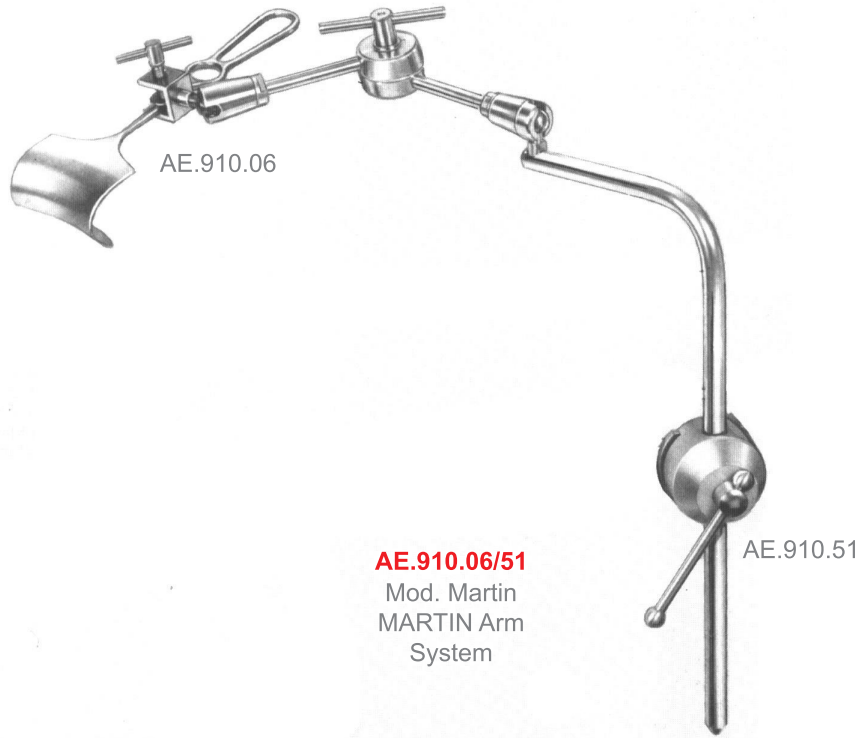
The MARTIN Arm System - each arm consists of 4 joints - can easily be fixed in any required position and firmly holds the outer margins of the operating site and organs for the required operating positions. The positioning of the MARTIN Arms is easy and without problems. All joints are locked by manipulating the central joint (elbow joint)

Advantages:

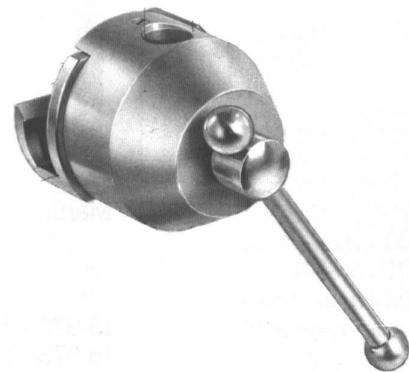
Clear operating site, no interference during instrumentation.

No dislodging of positioned retractors. It follows that this system provides facilities in respect of improved instrumentation in the event of few personnel available, like e.g. in cases of emergency or during the night

AE



AE.910.51  
Standard Fixation Clamp (for OP table siderail 25 mm  
broad, 10 mm thick)



AE.910.52  
Universal Fixation Clamp (for OP table siderail 28 to 31  
mm broad to 11 mm thick)



AE.953.28  
28 cm - 11"

**AE.953.28**  
Reverdin  
Abdominal  
Spatulas



AE.963.01 33 cm - 13", 30 mm  
AE.963.02 33 cm - 13", 40 mm  
AE.963.03 33 cm - 13", 50 mm

**AE.963.01/03**  
Abdominal  
Spatulas



AE.971.00 20 cm - 8" 17/25 mm  
AE.971.01 28 cm - 11" 25/30 mm  
AE.971.02 30 cm - 12" 37/45 mm

Flexibles

**AE.971.00/02**  
Haberer  
Abdominal  
Spatulas



AE.973.12 20 cm x 12 mm  
AE.973.17 20 cm x 17 mm  
AE.973.25 25 cm x 25 mm  
Soft

AE.975.06 20 cm x 6,5 mm  
AE.975.09 20 cm x 9,5 mm  
AE.975.13 20 cm x 13 mm  
AE.975.16 20 cm x 16 mm  
AE.975.19 20 cm x 19 mm  
AE.975.25 20 cm x 25 mm  
Malleable and very soft

**AE.973.12/25**  
**AE.975.06/25**  
Martin  
Abdominal  
Spatulas