



**Health Fast Surgical**  
Surgical Manufacturer Company

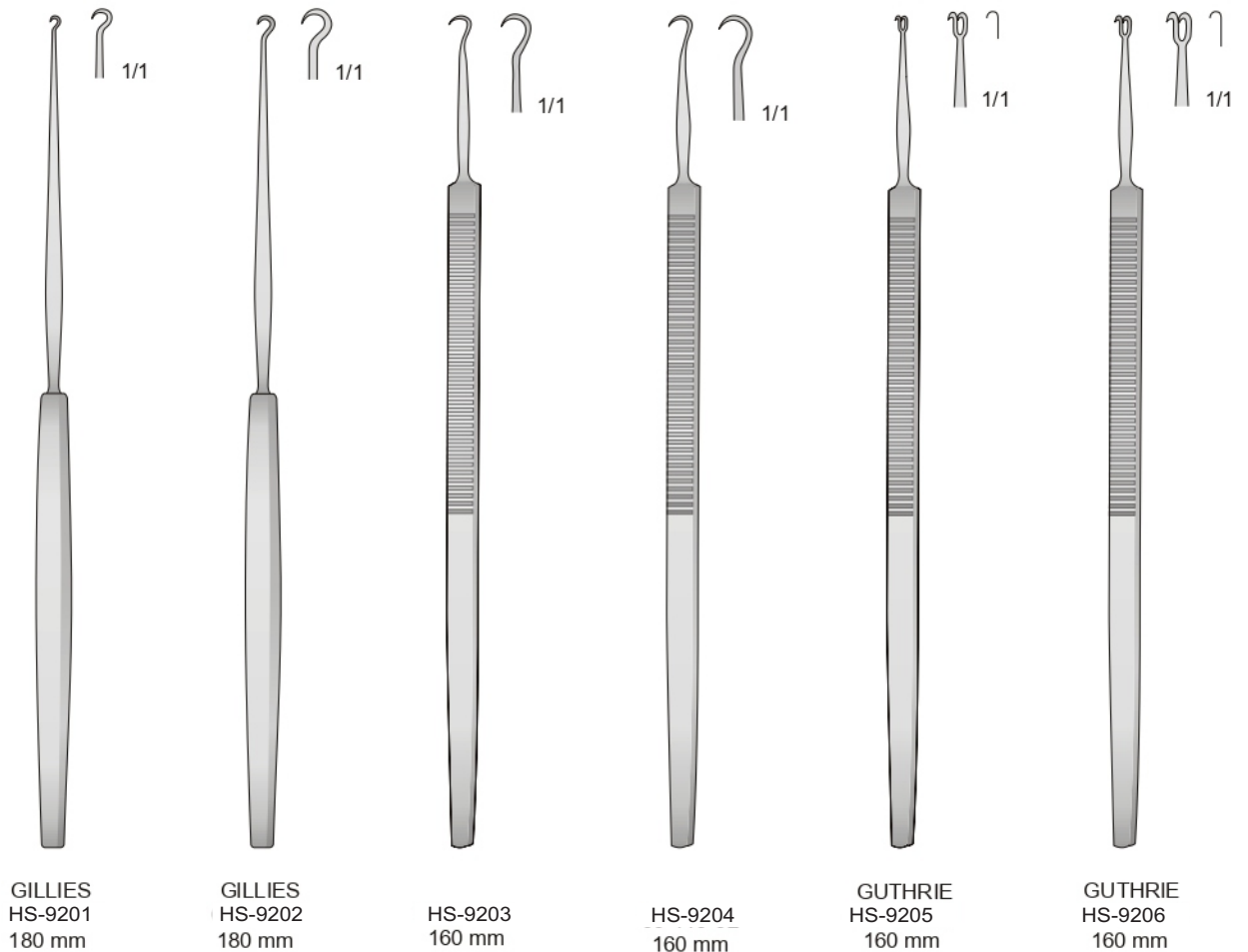
***Retractors***



**Surgical**  
INSTRUMENTS CATALOGUE

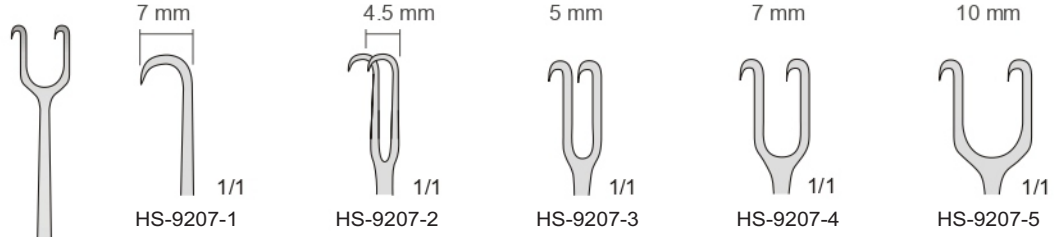


Uncini cutanei - Cutaneous hook - Hauthäkchen - Erignes cutanées - Ganchos cutâneos

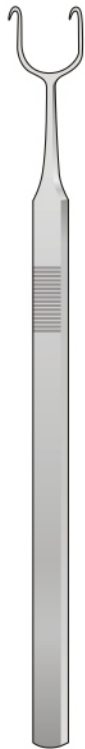
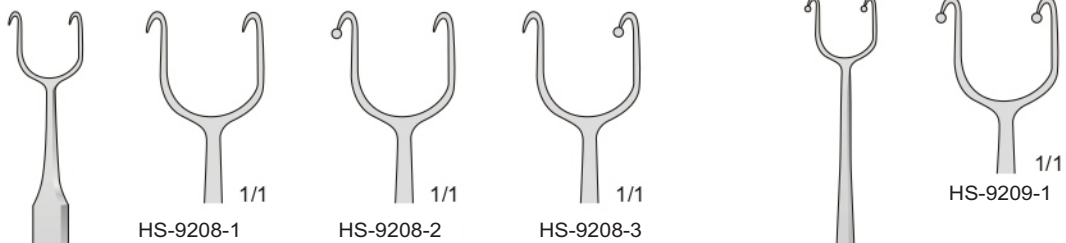




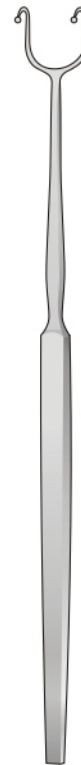
*Retractors*



JOSEPH  
HS-9207  
160 mm



COTTLE  
HS-9208  
150 mm



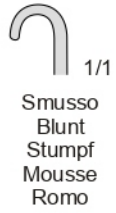
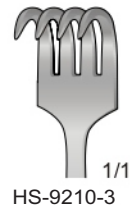
FOMON  
HS-9209  
160 mm



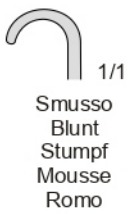
**Retractors**



HS-9210  
160 mm



HS-9211  
160 mm

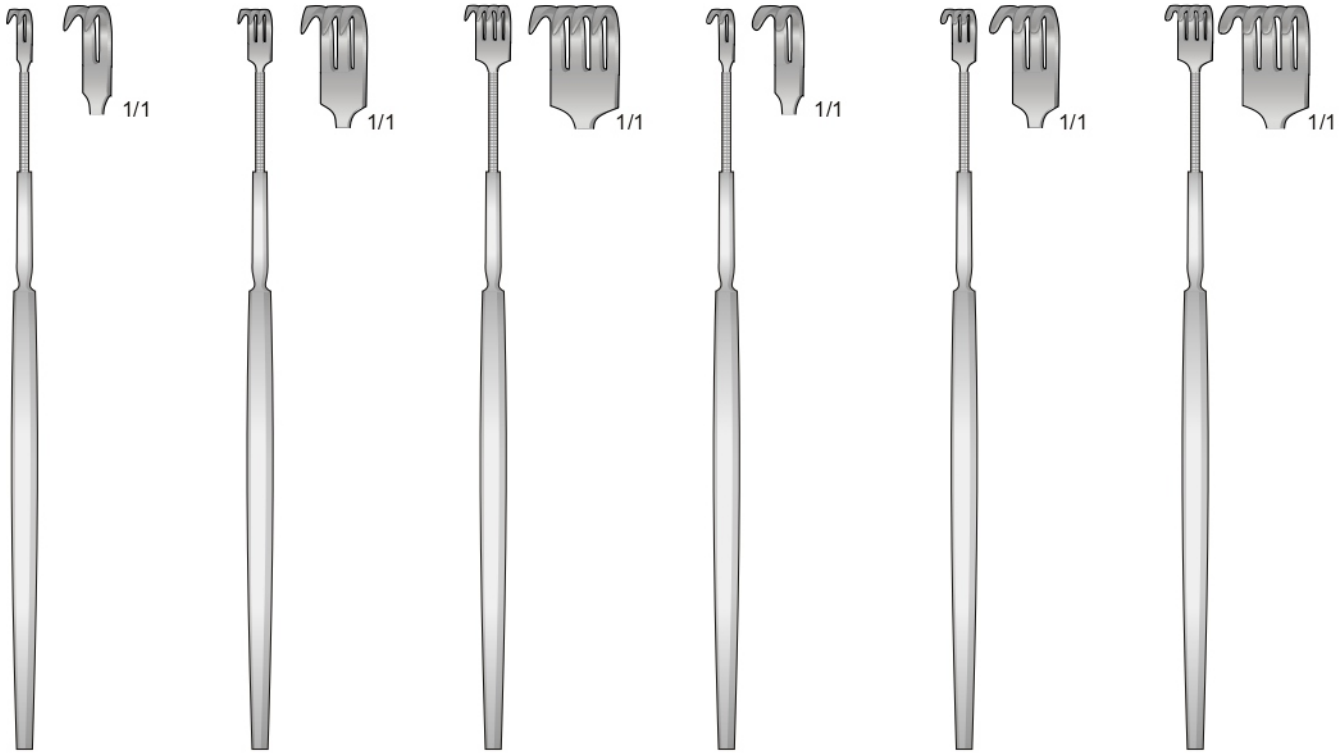




**Retractors**

Divaricatori delicati flessibili-acuti  
Feine wundhaken flexibel-spitz  
Delicate retractors flexible-sharp  
Separadores finos flexibles-agudas

Divaricatori delicati flessibili-smussi  
Feine wundhaken flexibel-stumpf  
Delicate retractors flexible-blunt  
Separadores finos flexibles-romas



HS-9212  
150 mm

HS-9212  
150 mm

HS-9213  
150 mm

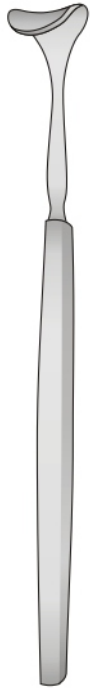
HS-9214  
150 mm

HS-9215  
150 mm

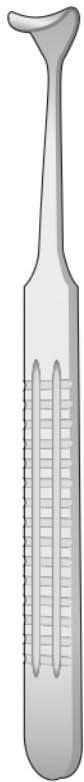
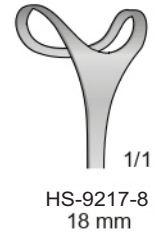
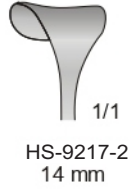
HS-9216  
150 mm



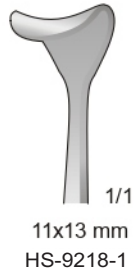
**Retractors**



DESMARRES  
HS-9217  
140 mm



DESMARRES  
HS-9218  
160 mm

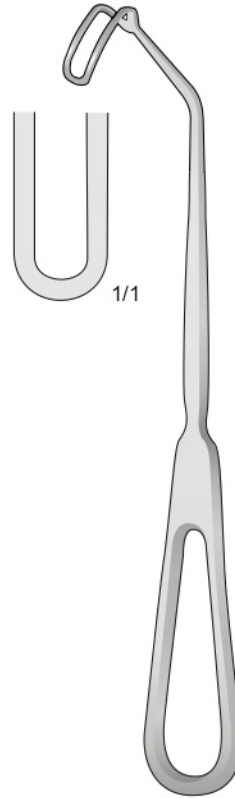


SENN GREEN  
HS-9219  
160 mm

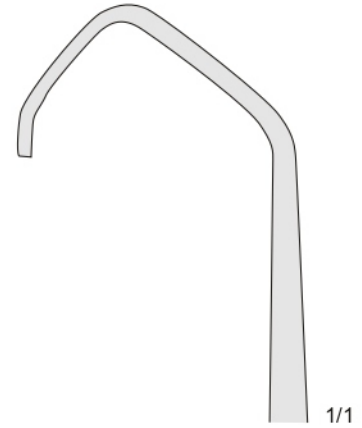




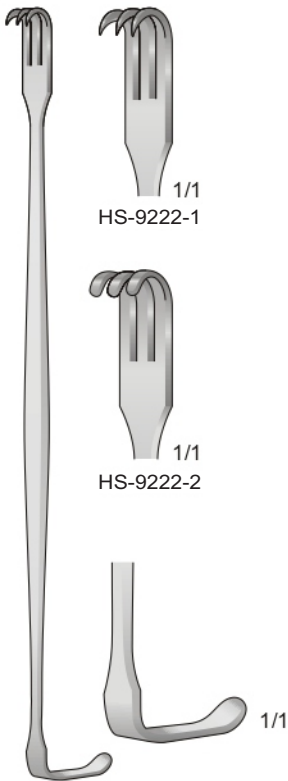
LAHEY  
HS-9220  
195 mm



CUSHING  
HS-9221  
200 mm



1/1

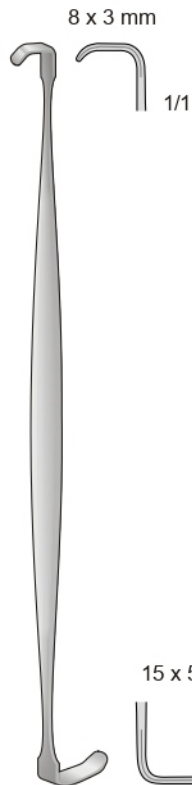


SENN-MILLER  
HS-9222  
160 mm

HS-9222-1  
1/1

HS-9222-2  
1/1

1/1



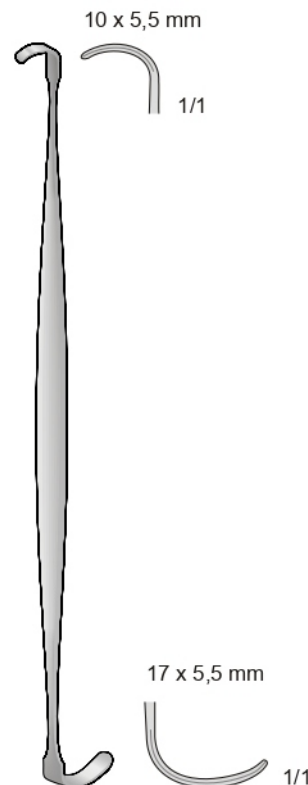
RAGNELL  
HS-9223  
140 mm

8 x 3 mm

1/1

15 x 5 mm

1/1



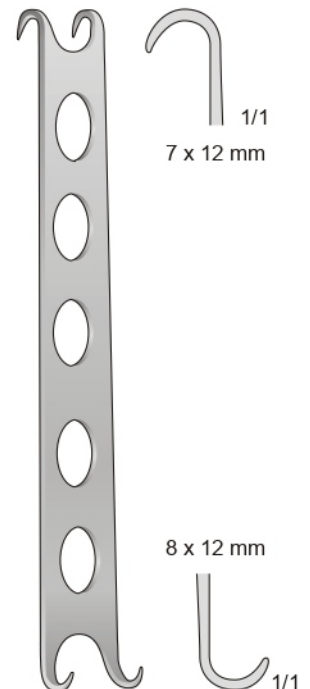
RAGNELL-DAVIS  
HS-9224  
140 mm

10 x 5,5 mm

1/1

17 x 5,5 mm

1/1

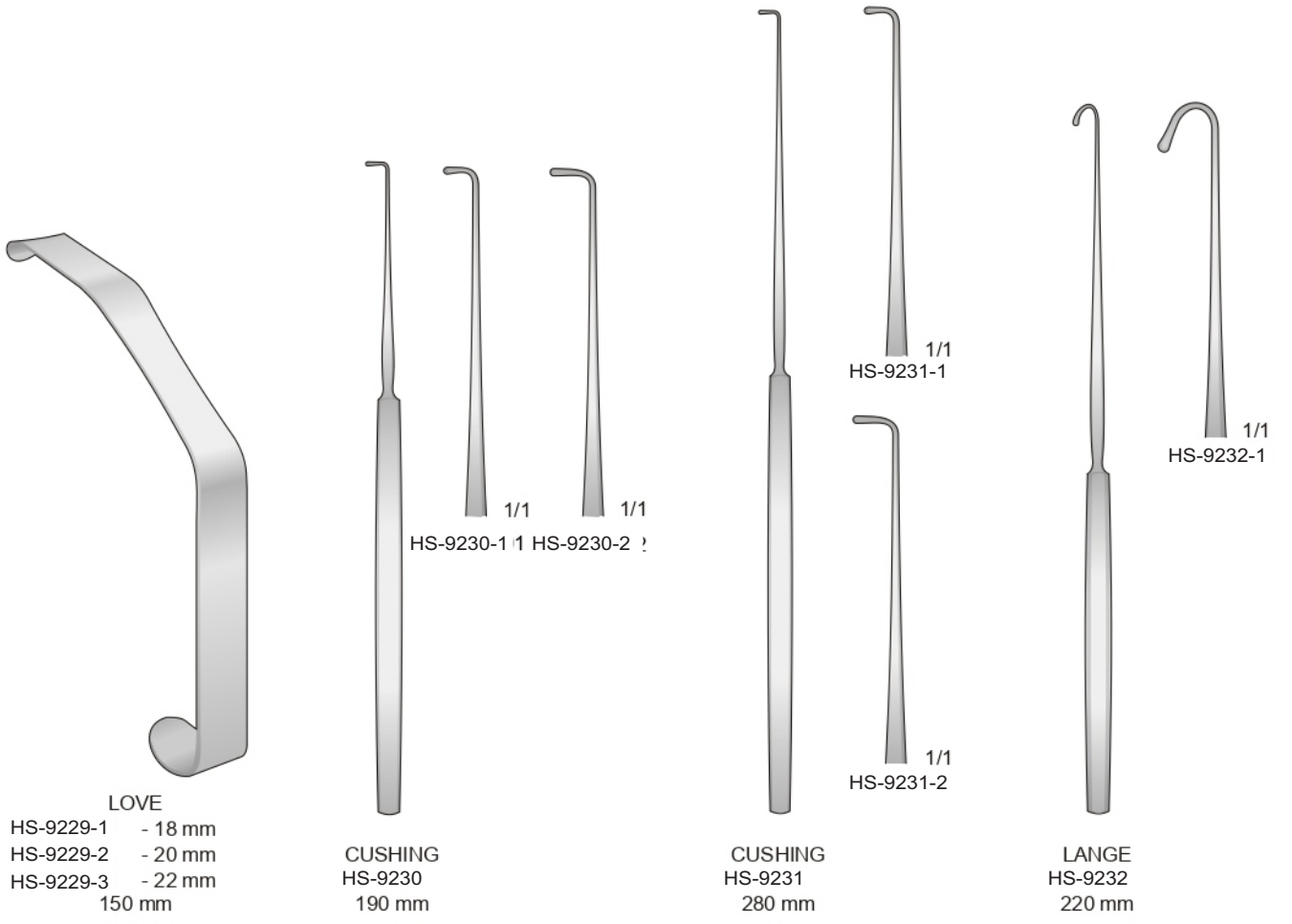
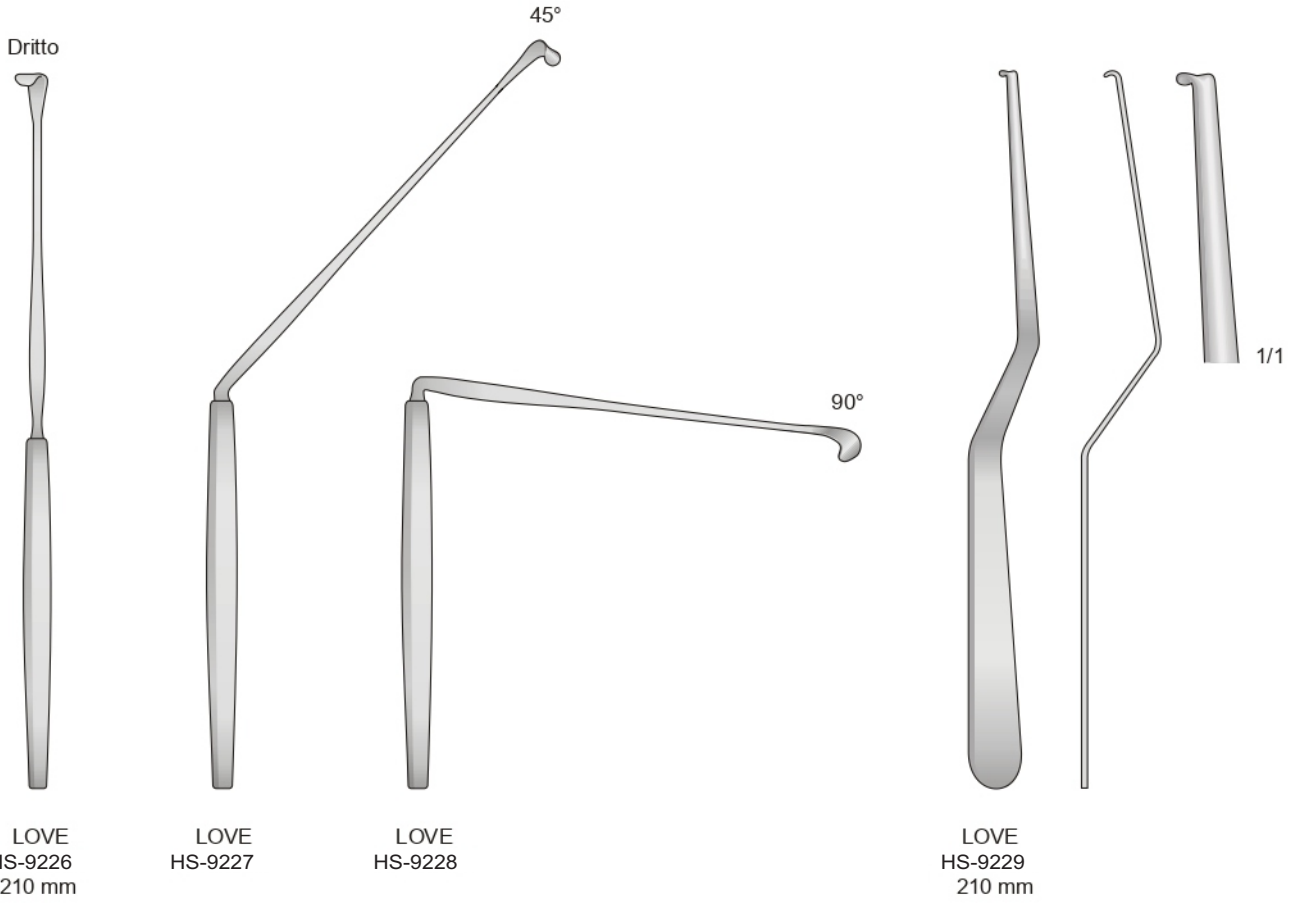


CONVERSE  
HS-9225  
120 mm

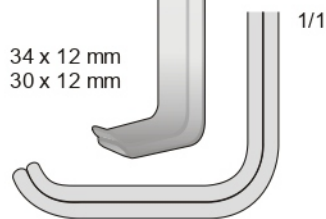
7 x 12 mm  
1/1

8 x 12 mm

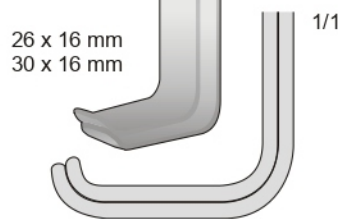
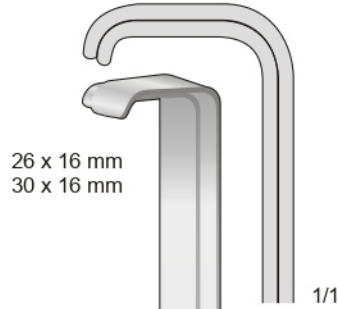
1/1



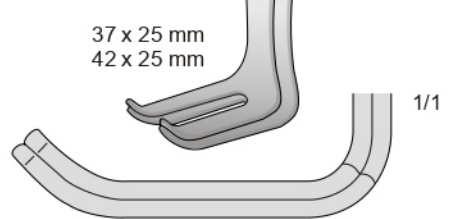
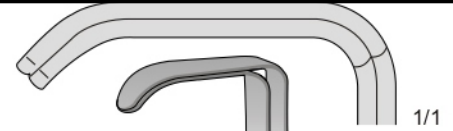




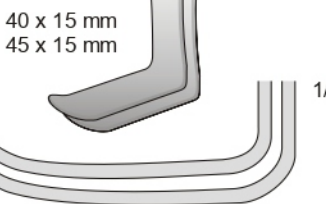
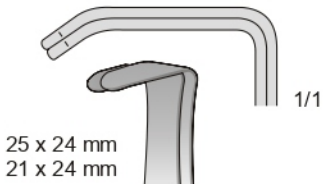
**FARABEUF**  
HS-9233  
120 mm



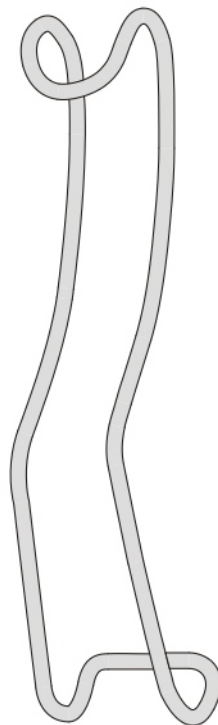
**FARABEUF**  
HS-9234  
150 mm



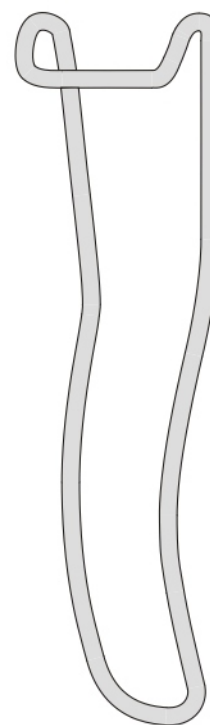
**MATHIEU**  
HS-9235  
200 mm



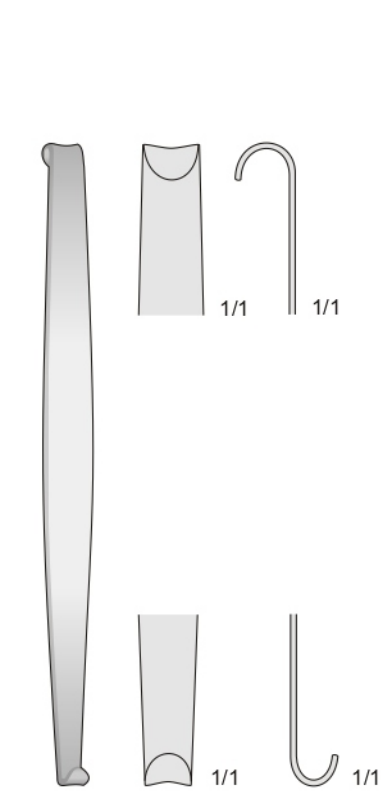
**PARKER-LANGENBECK**  
HS-9236  
210 mm



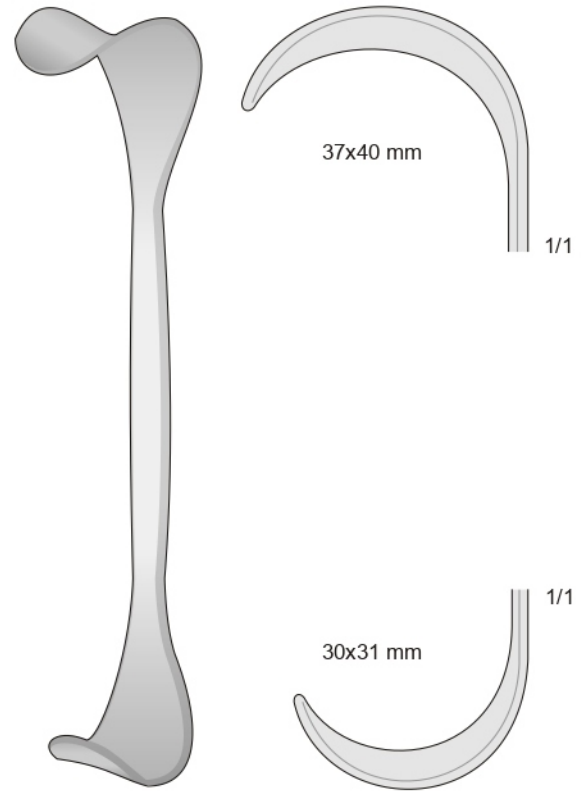
**STERNBERG**  
HS-9237  
160 mm



**STERNBERG**  
HS-9238  
160 mm

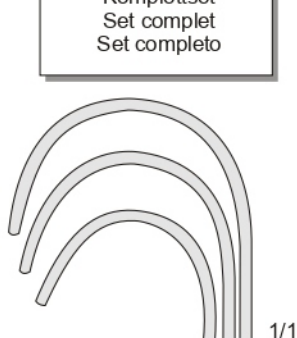


**MINI-ROUX**  
HS-9239  
150 mm



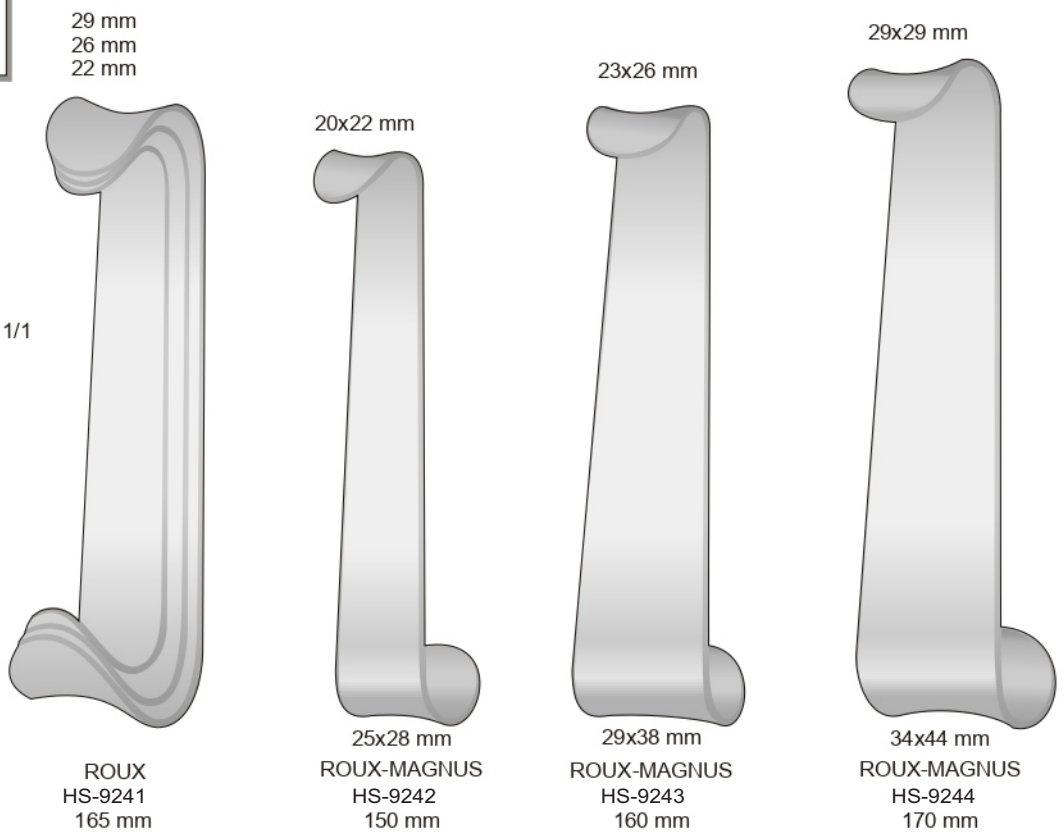
**GOELET**  
09-530-19  
190 mm

Set completo  
Set complete  
Komplettsset  
Set complet  
Set completo



- HS-9241-1 - 20x22 mm  
25x28 mm
- HS-9241-2 - 23x26 mm  
29x38 mm
- HS-9241-3 - 29x29 mm  
34x44 mm

28 mm  
38 mm  
44 mm



**ROUX**  
HS-9241  
165 mm

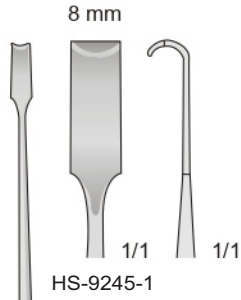
**ROUX-MAGNUS**  
HS-9242  
150 mm

**ROUX-MAGNUS**  
HS-9243  
160 mm

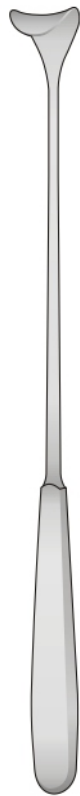
**ROUX-MAGNUS**  
HS-9244  
170 mm



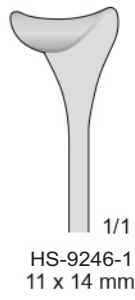
**Retractors**



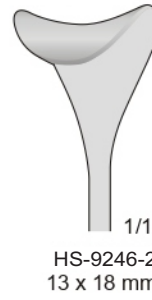
SCOVILLE  
HS-9245  
230 mm



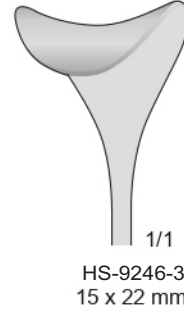
CUSHING  
HS-9246  
250 mm



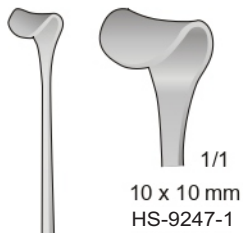
HS-9246-1  
11 x 14 mm



HS-9246-2  
13 x 18 mm



HS-9246-3  
15 x 22 mm

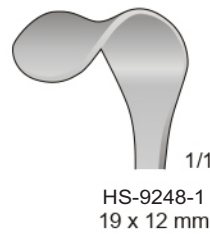


10 x 10 mm  
HS-9247-1

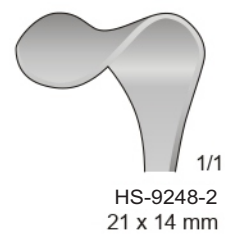
CUSHING-KOCHER  
HS-9247  
180 mm



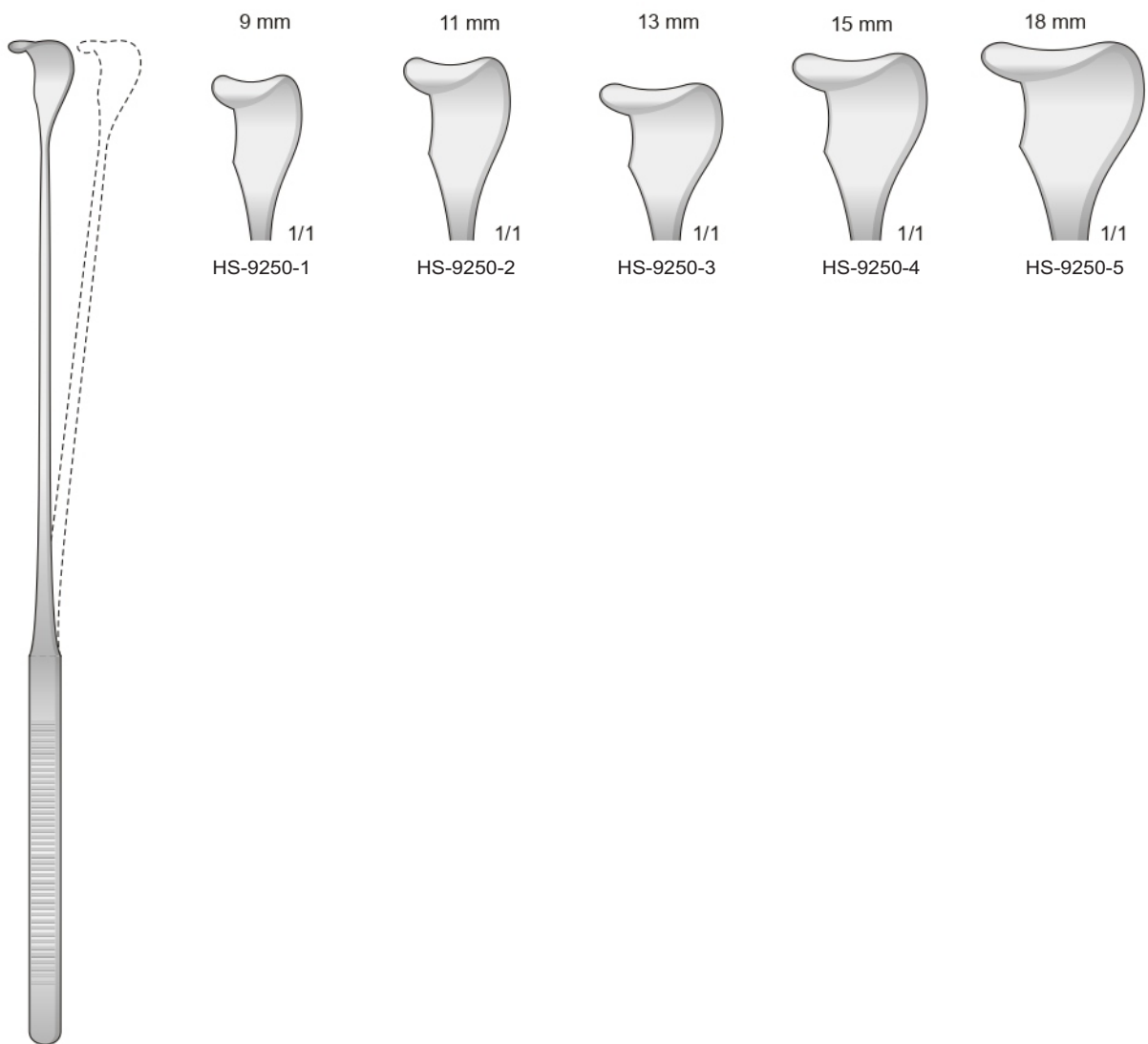
KOCHER  
HS-9248  
205 mm



HS-9248-1  
19 x 12 mm



HS-9248-2  
21 x 14 mm



9 mm

11 mm

13 mm

15 mm

18 mm



HS-9250-1

HS-9250-2

HS-9250-3

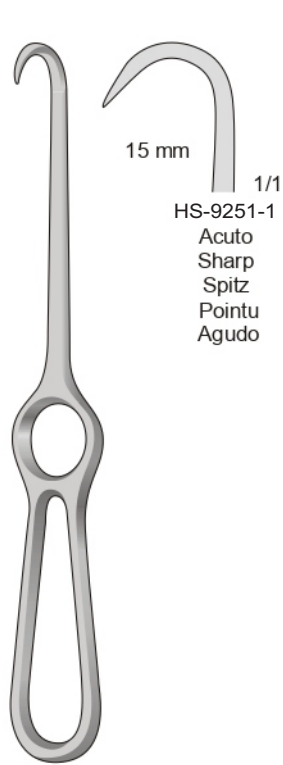
HS-9250-4

HS-9250-5

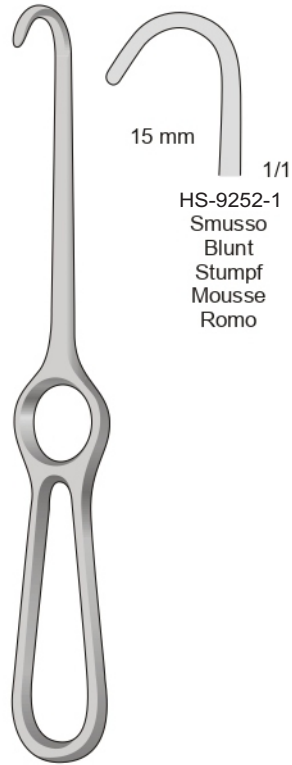
GIL-VERNET  
HS-9250  
280 mm



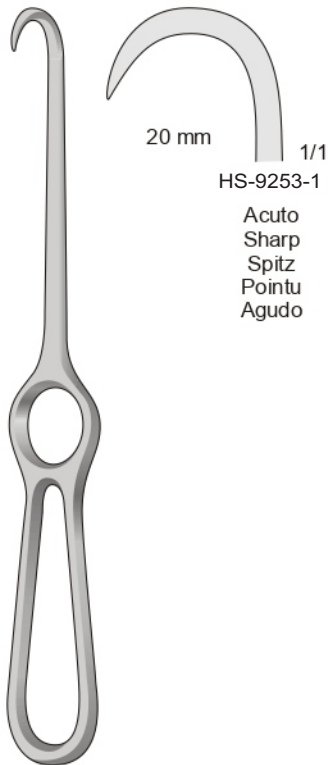
**Retractors**



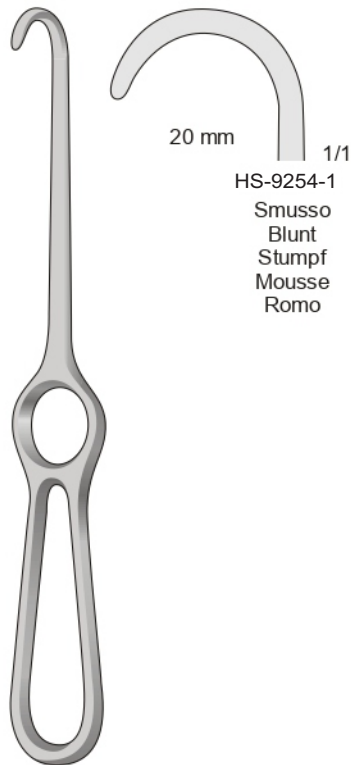
KOCHER  
HS-9251  
205 mm



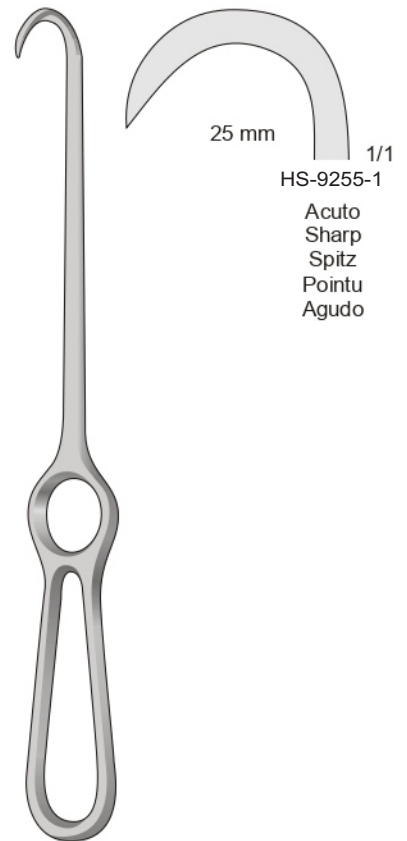
KOCHER  
HS-9252  
220 mm



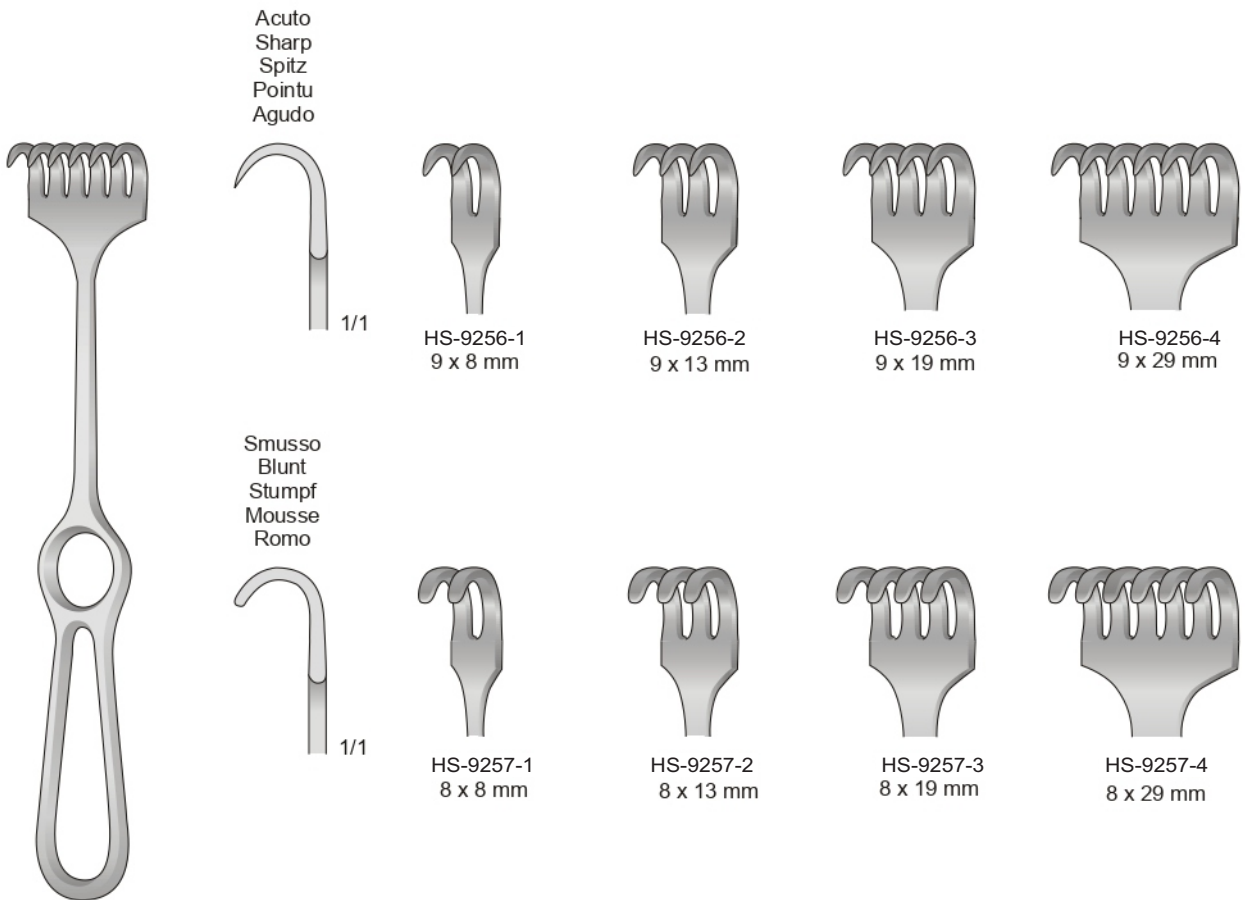
VOLKMANN  
HS-9253  
220 mm



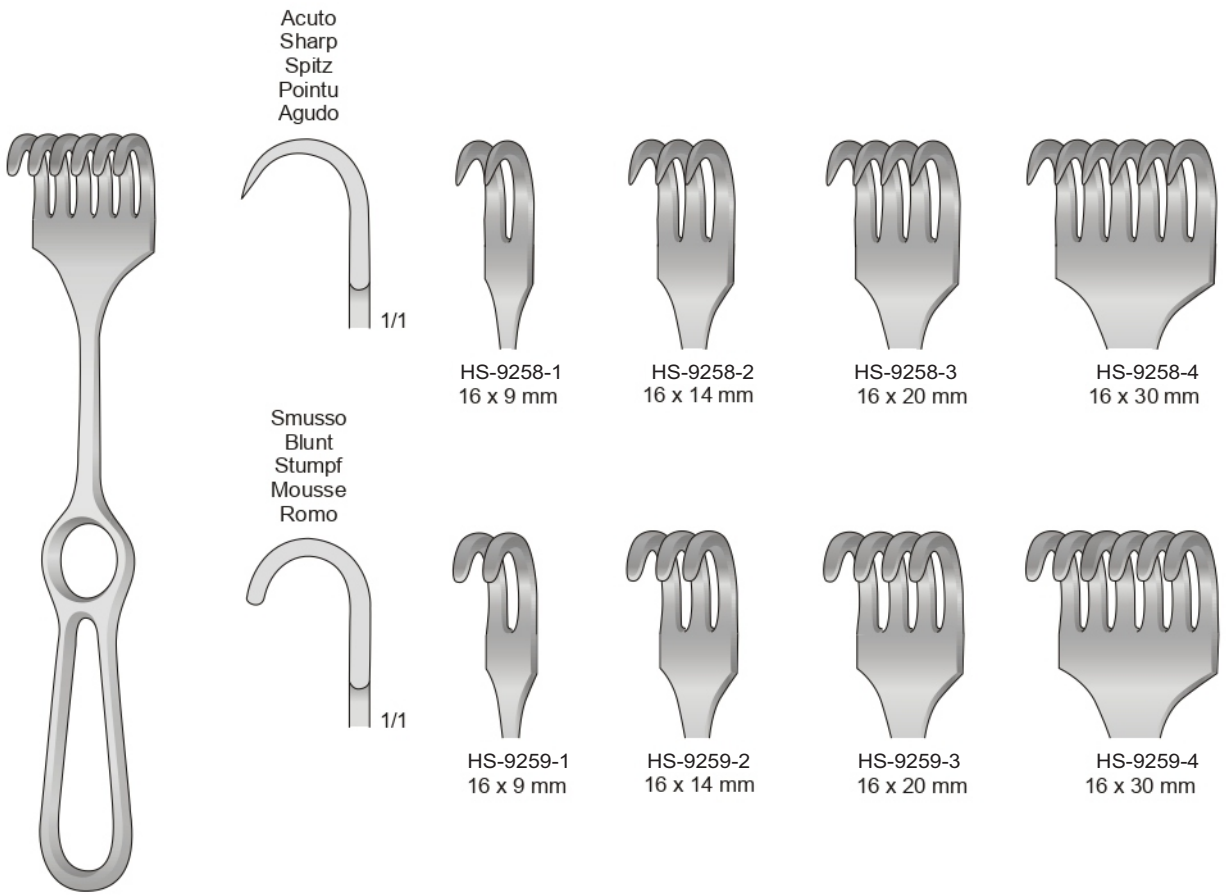
VOLKMANN  
HS-9254  
220 mm



HS-9255  
245 mm



VOLKMANN  
HS-9256 - HS-9257  
220 mm



**KOCHER**  
HS-9258 - HS-9259  
220 mm



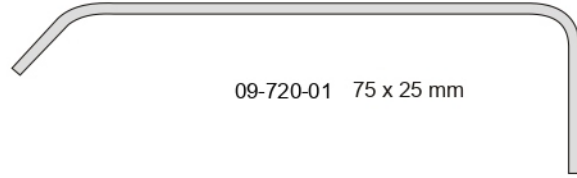
*Retractors*



HIBBS  
HS-9260  
240 mm

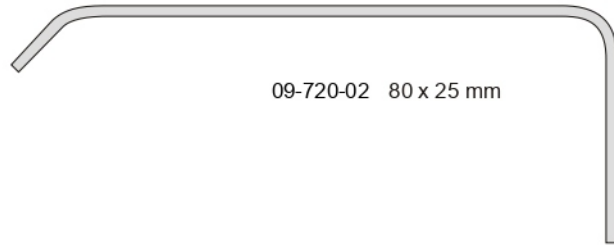


1/1



09-720-01 75 x 25 mm

1/1



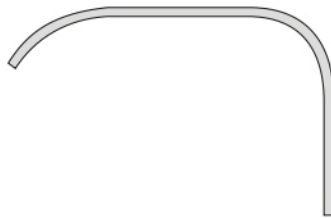
09-720-02 80 x 25 mm

1/1

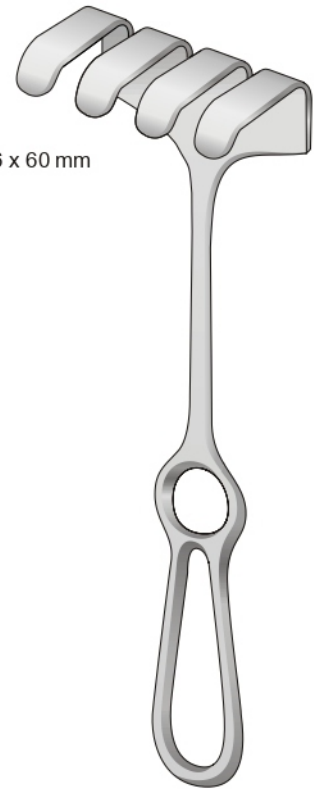


36 x 30 mm

OLLIER  
HS-9261  
225 mm



1/1



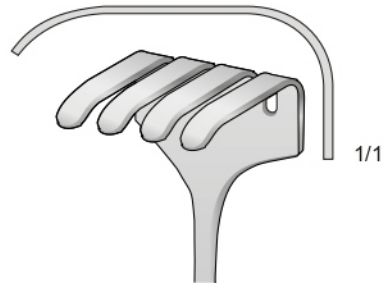
36 x 60 mm

OLLIER  
HS-9262  
225 mm



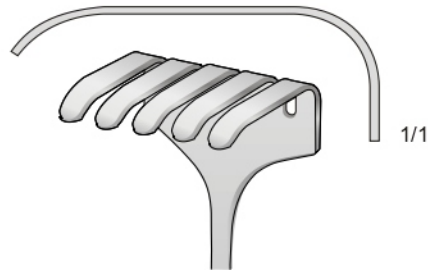


40 x 40 mm



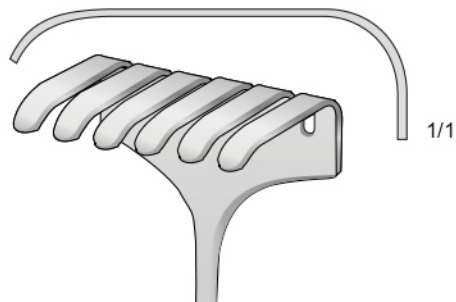
HS-9263-1

45 x 50 mm



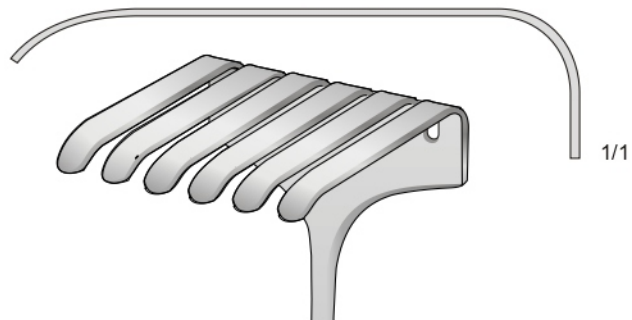
HS-9263-2

50 x 60 mm

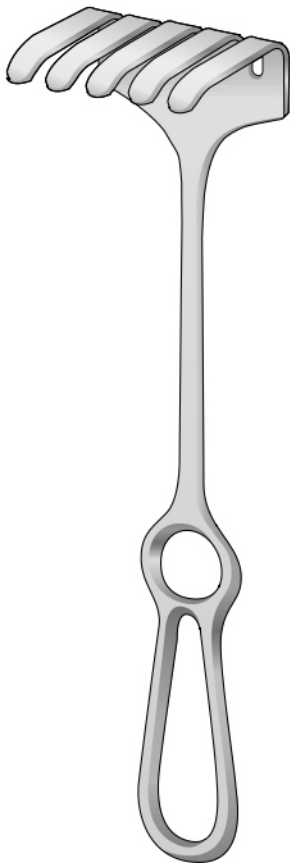


HS-9263-3

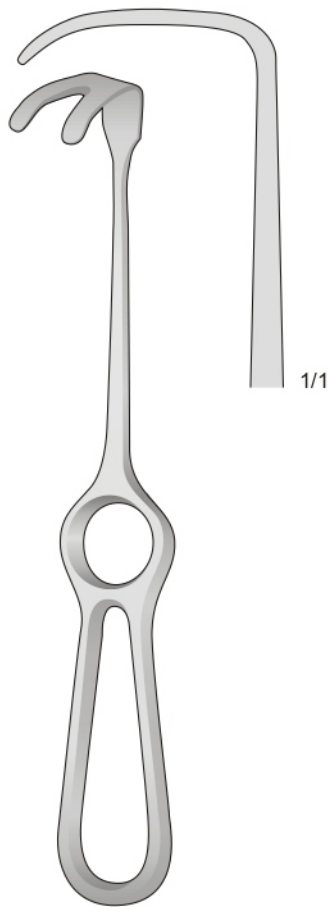
70 x 70 mm



HS-9263-4



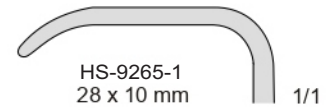
ISRAEL  
HS-9263  
250 mm



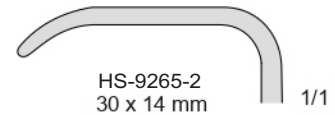
WASSMUND  
HS-9264  
220 mm



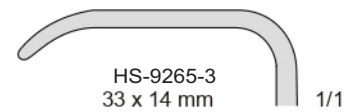
LANGENBECK  
HS-9265  
210 mm



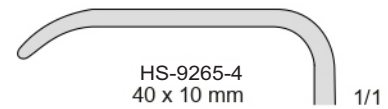
HS-9265-1  
28 x 10 mm 1/1



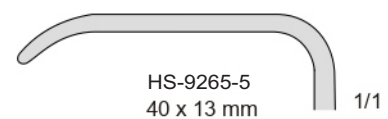
HS-9265-2  
30 x 14 mm 1/1



HS-9265-3  
33 x 14 mm 1/1



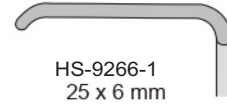
HS-9265-4  
40 x 10 mm 1/1



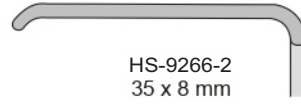
HS-9265-5  
40 x 13 mm 1/1



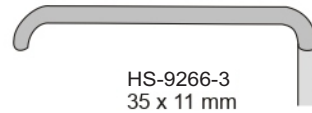
KOCHER-LANGENBECK  
HS-9266  
215 mm



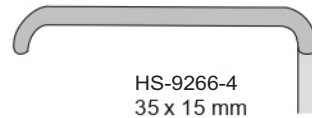
HS-9266-1  
25 x 6 mm 1/1



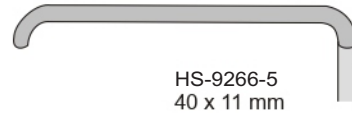
HS-9266-2  
35 x 8 mm 1/1



HS-9266-3  
35 x 11 mm 1/1



HS-9266-4  
35 x 15 mm 1/1



HS-9266-5  
40 x 11 mm 1/1



HS-9266-6  
55 x 11 mm 1/1



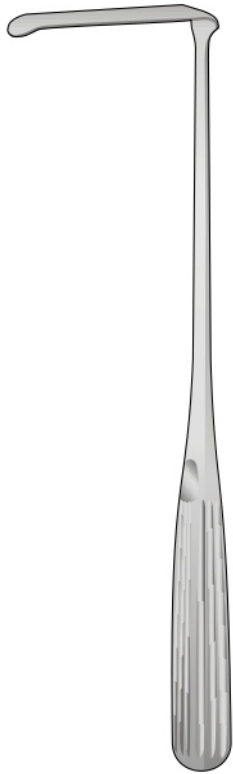
HS-9266-7  
70 x 14 mm 1/1



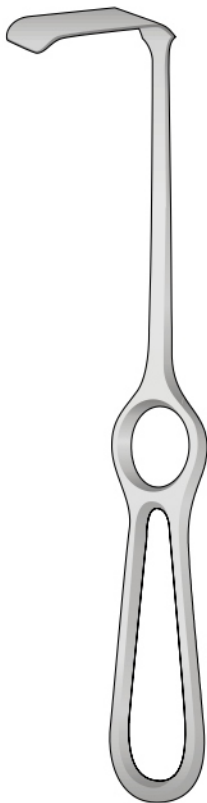
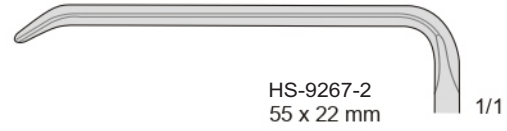
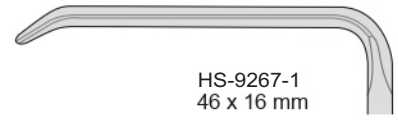
HS-9266-8  
80 x 12 mm 1/1



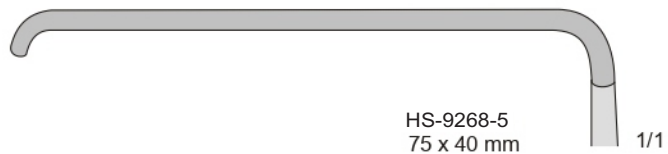
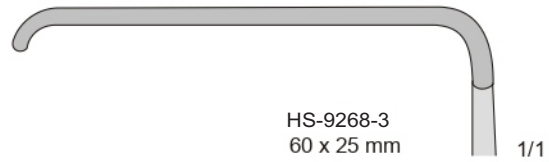
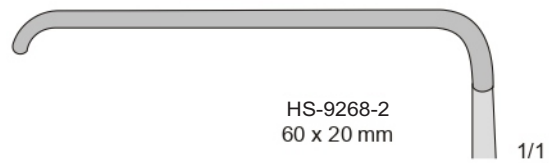
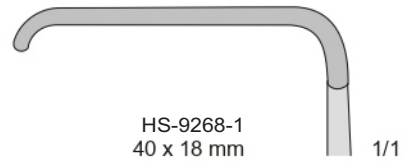
HS-9266-9  
80 x 16 mm 1/1



SAUERBRUCH  
HS-9267  
225 mm

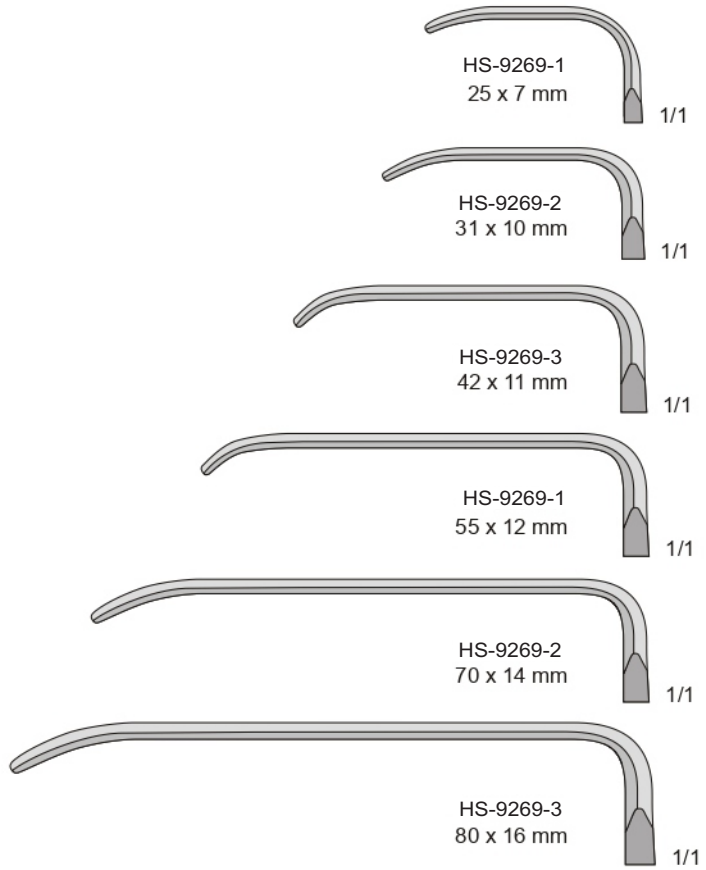


KOCHER  
HS-9268  
230 mm

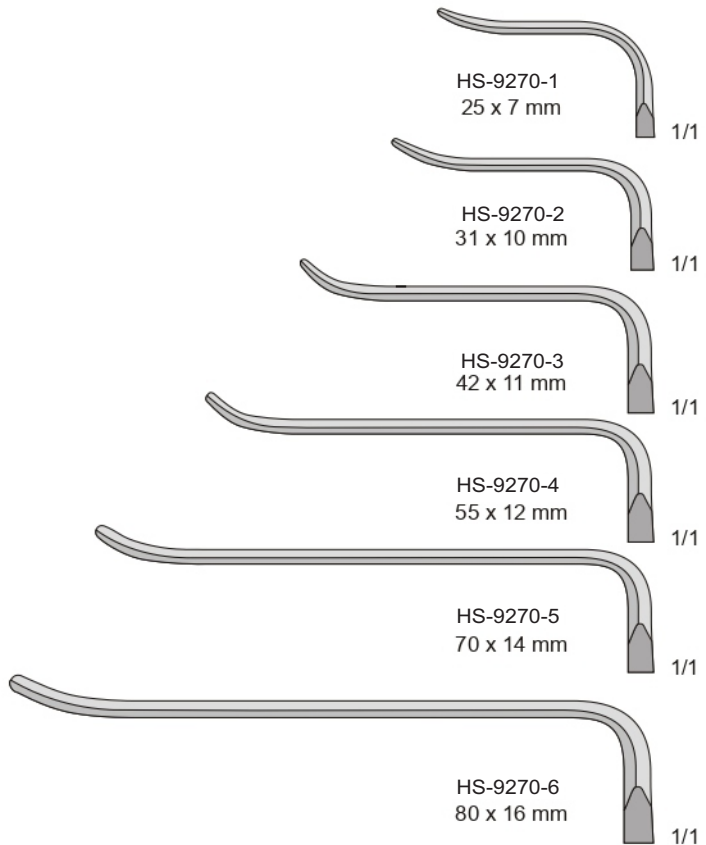




OBWEGESER  
HS-9269  
220 mm



OBWEGESER  
HS-9270  
220 mm





42 x 10 mm

1/1



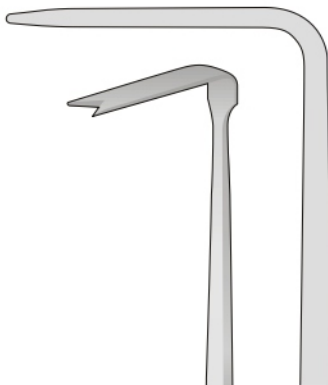
70 x 11 mm

1/1

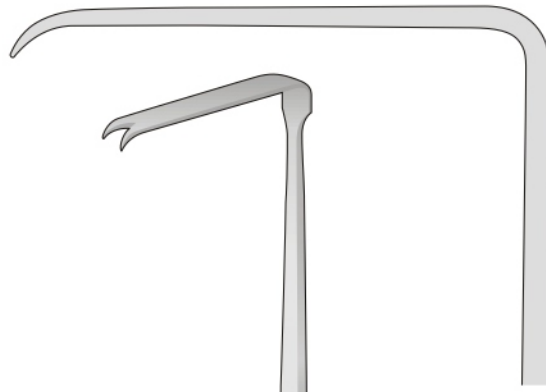


35 x 8 mm

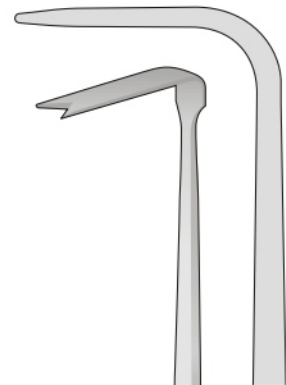
1/1



1/1



1/1

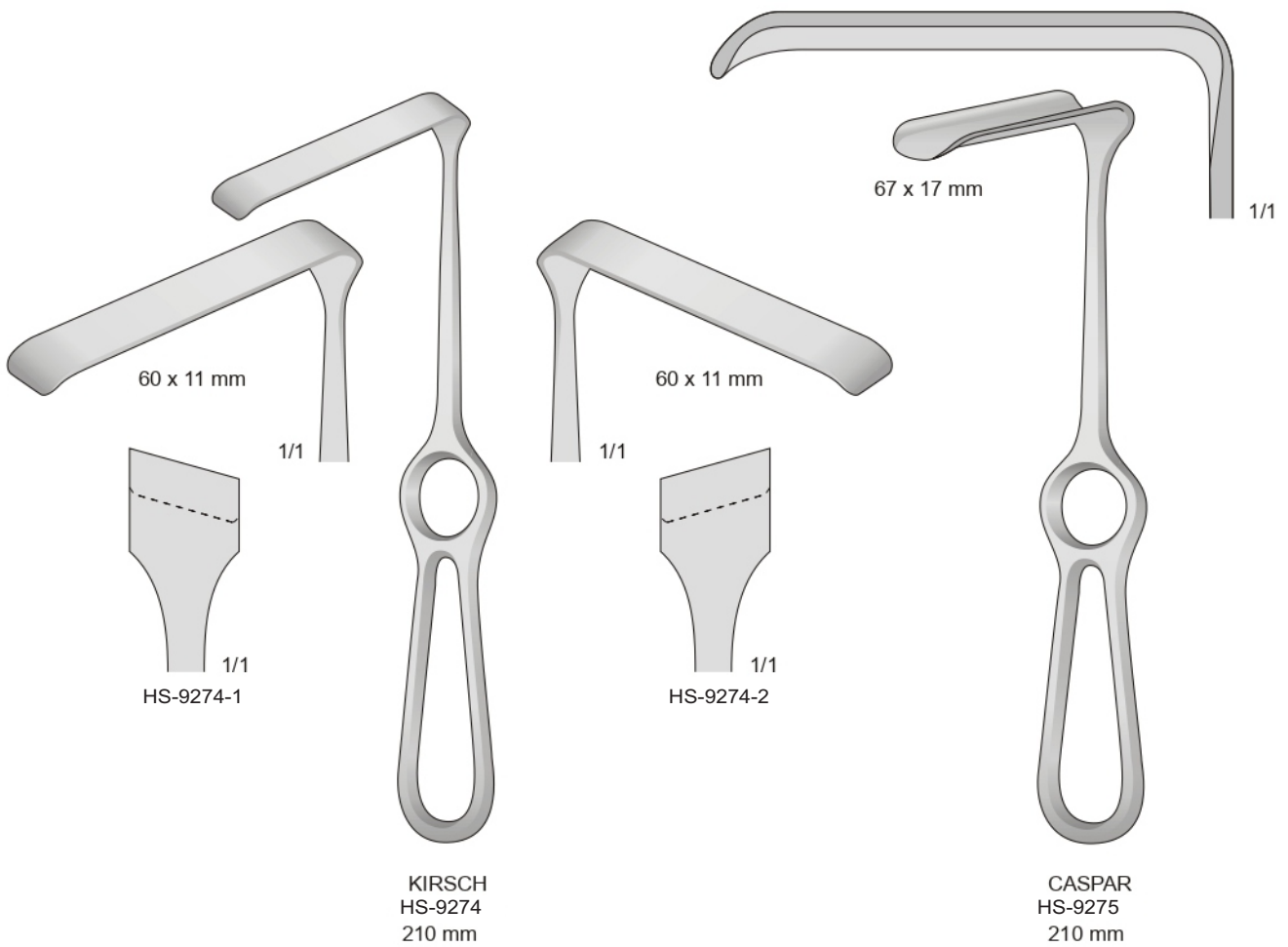


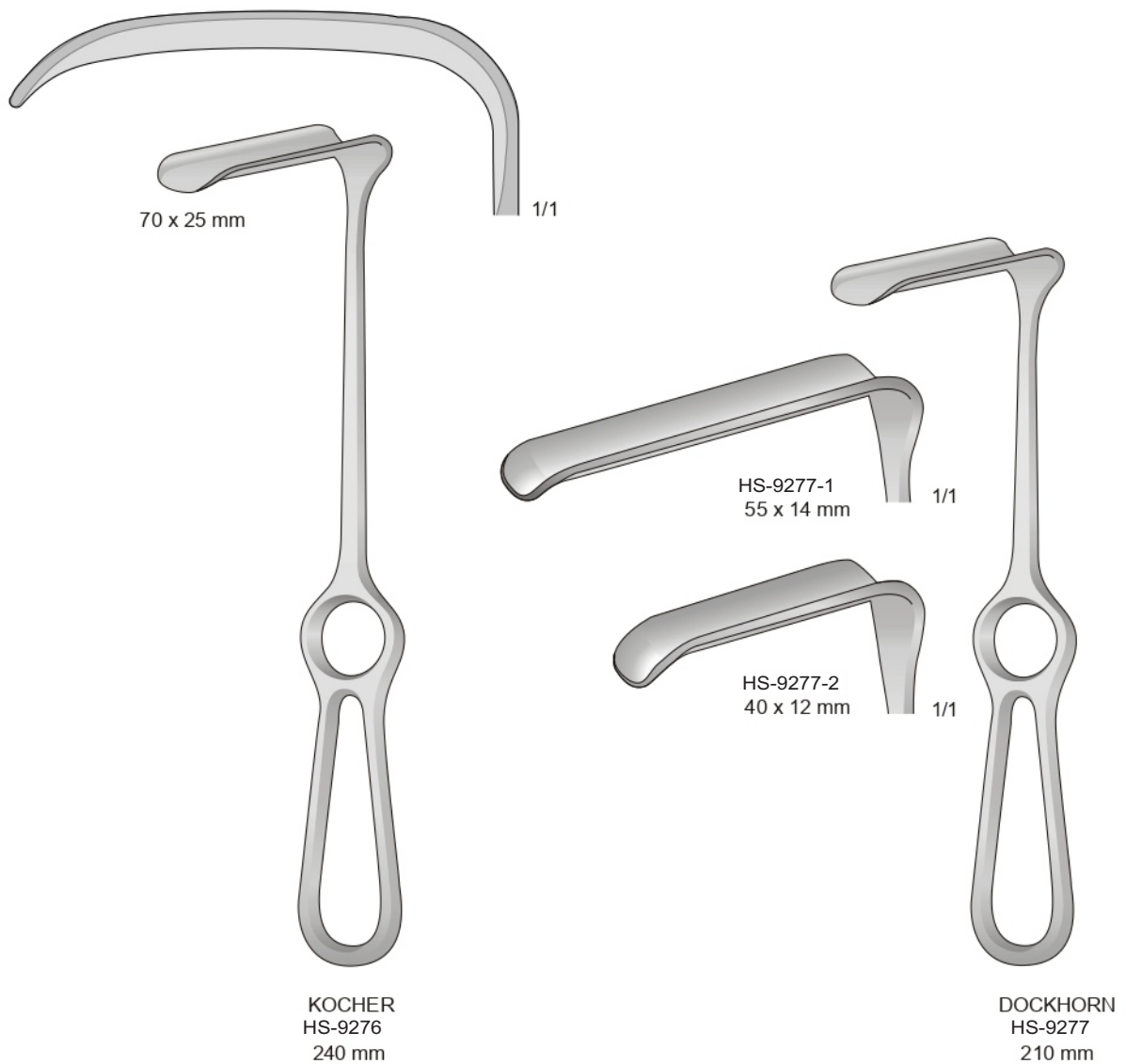
1/1

OBWEGESER  
HS-9271  
215 mm

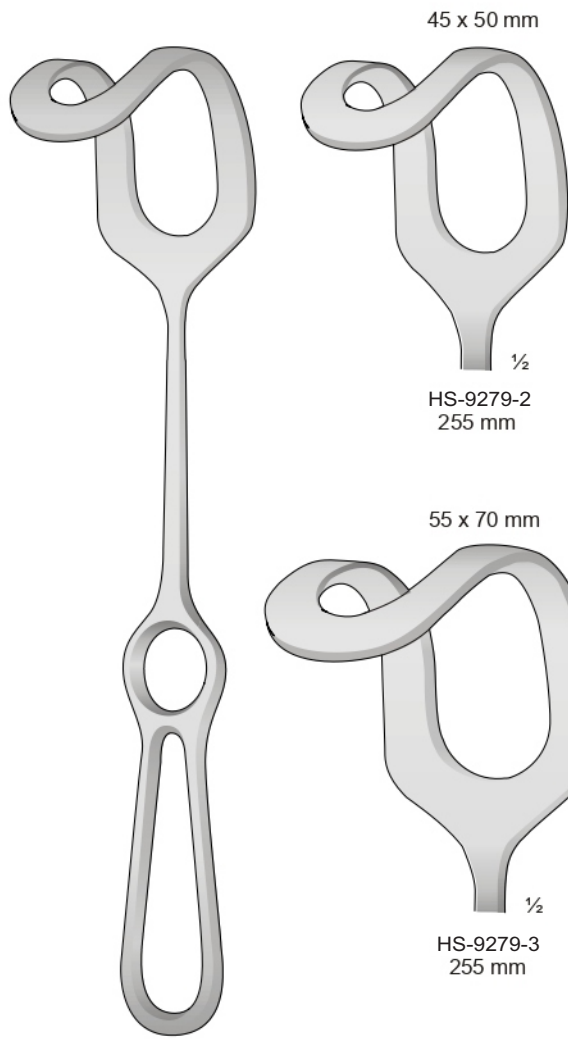
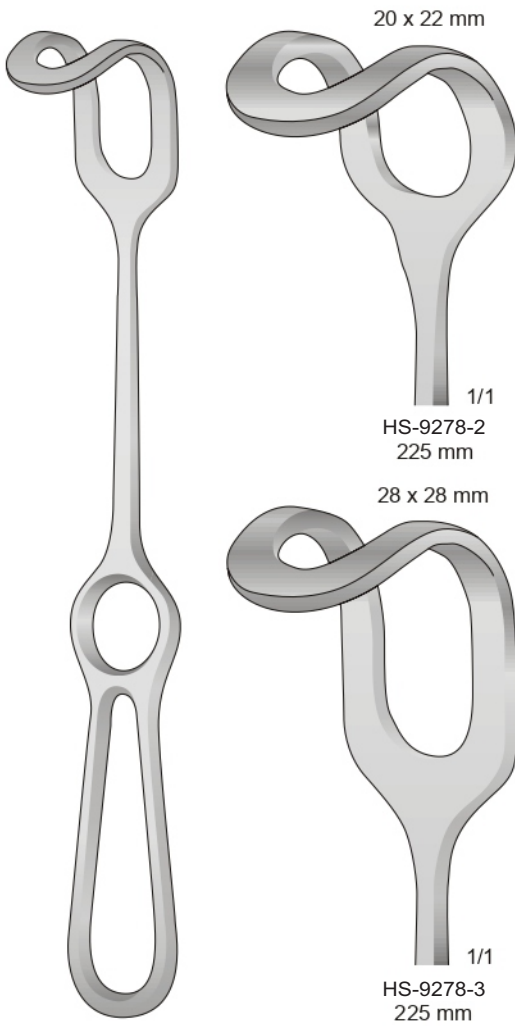
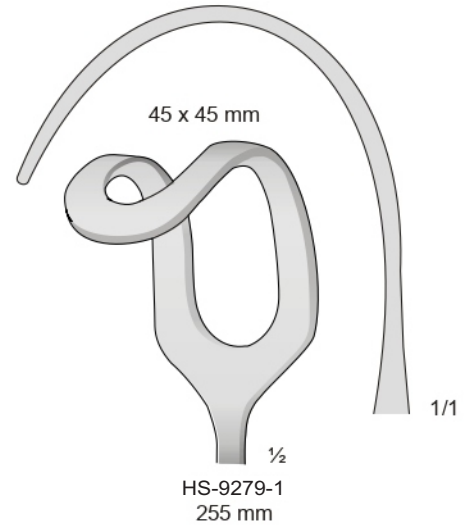
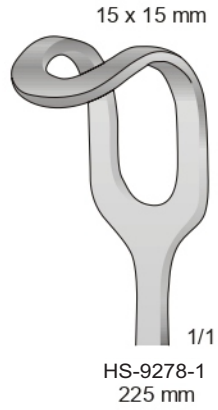
HS-9272  
220 mm

HS-9273  
215 mm



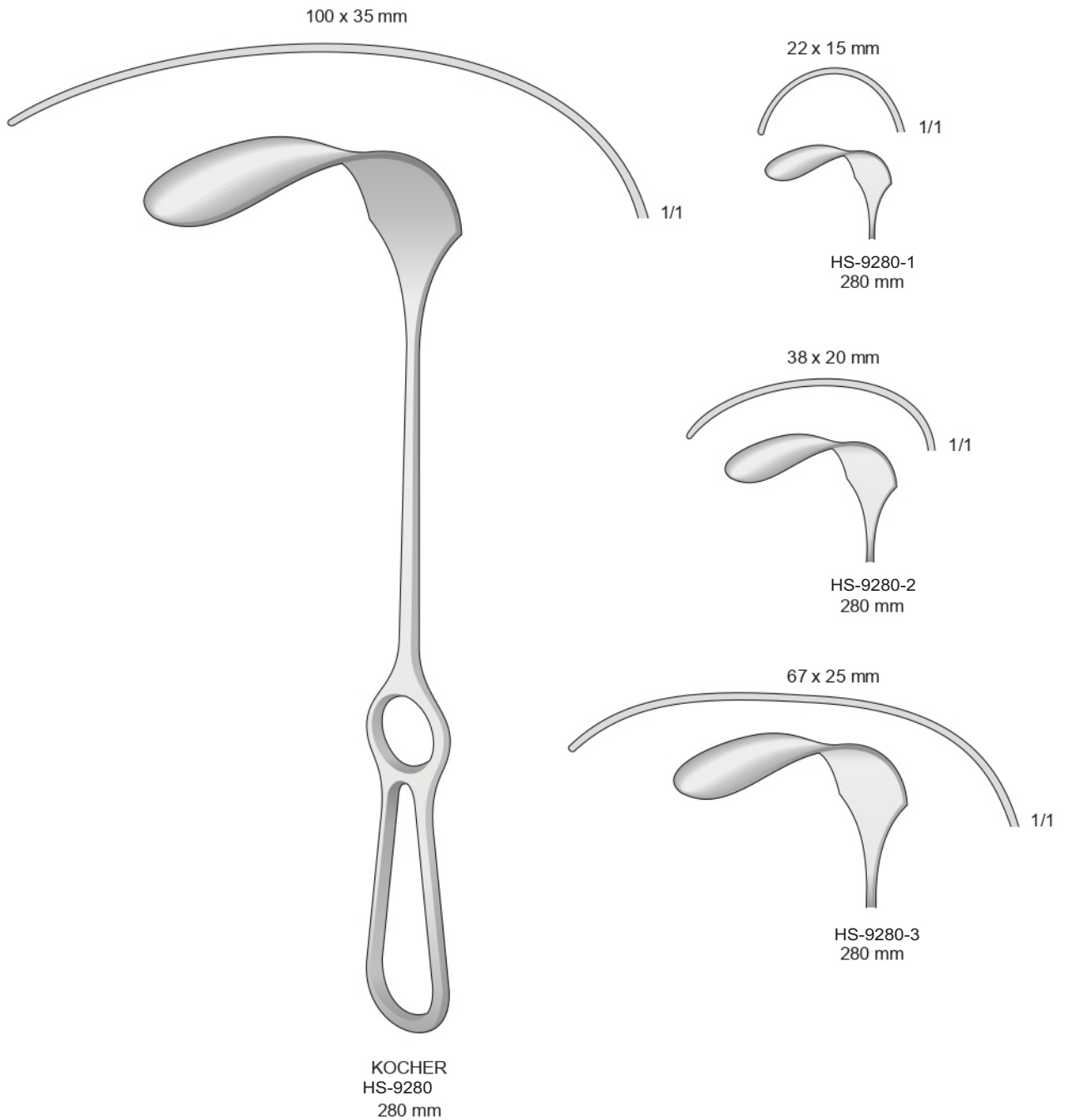


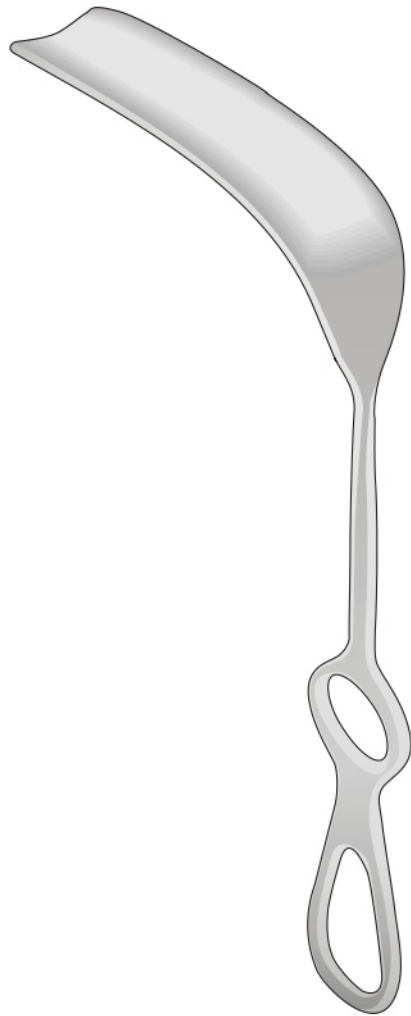
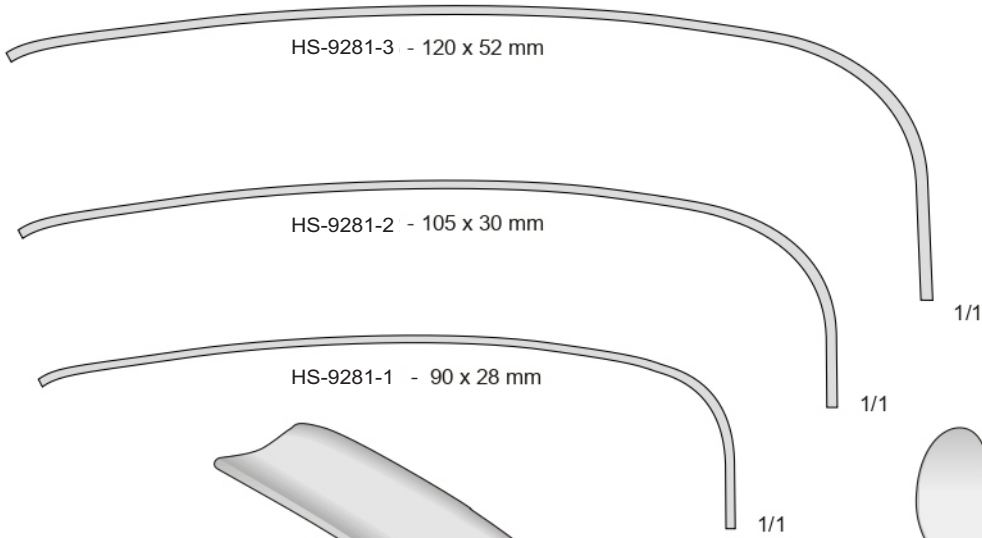


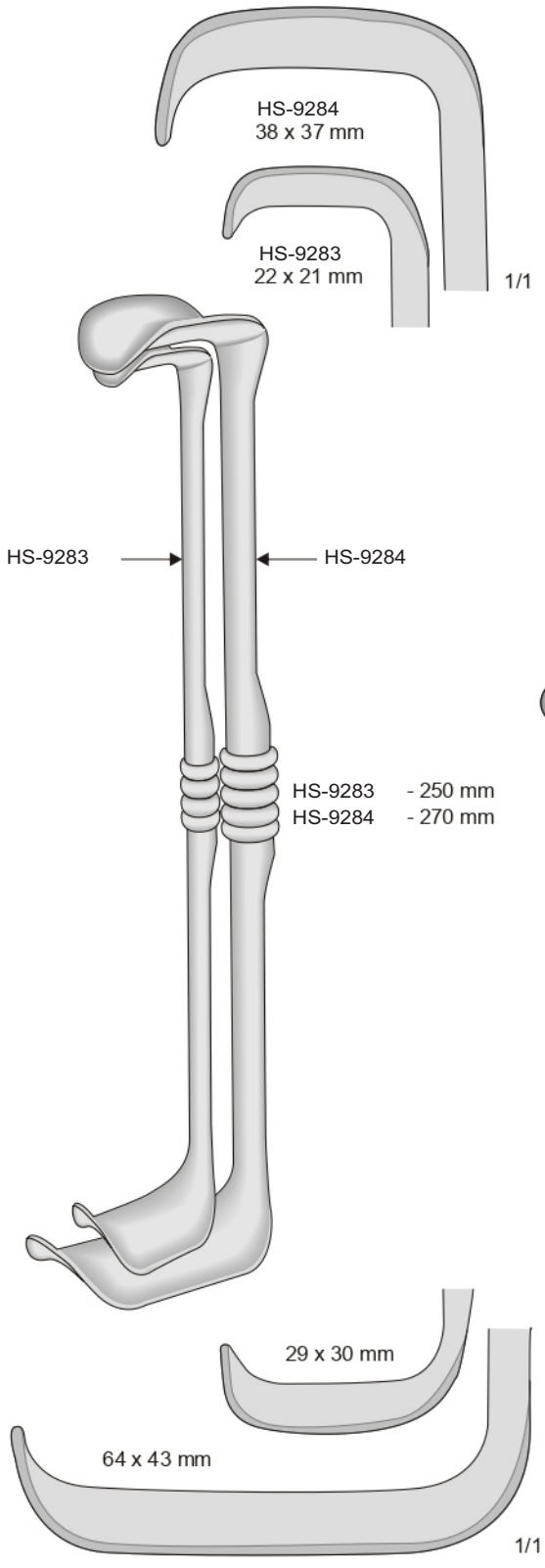


MIDDELDORPF  
HS-9278  
225 mm

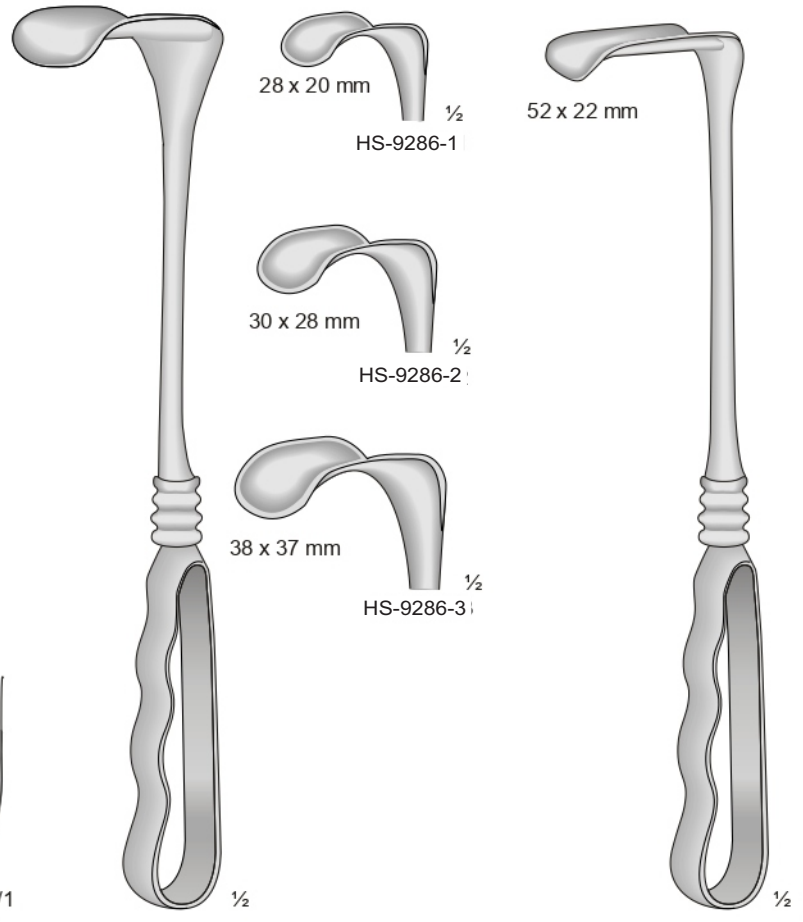
MIDDELDORPF  
HS-9279  
255 mm





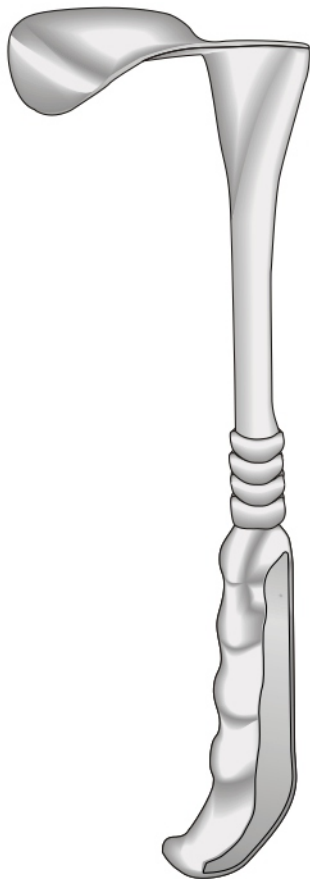


RICHARDSON-EASTMAN  
 HS-9285  
 Set 2 pezzi

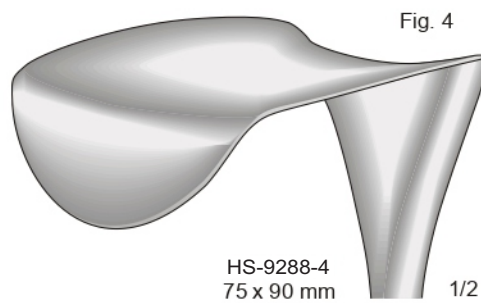
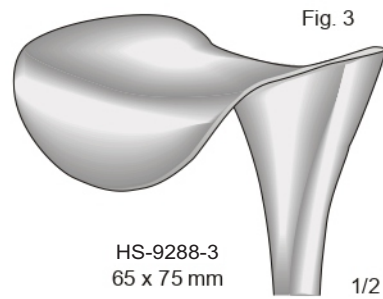
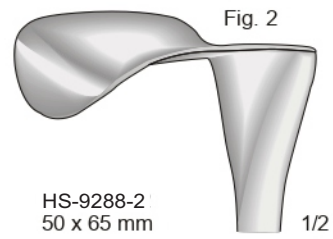
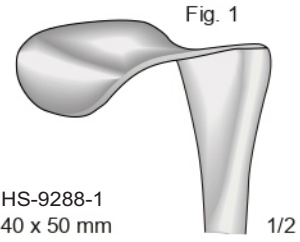


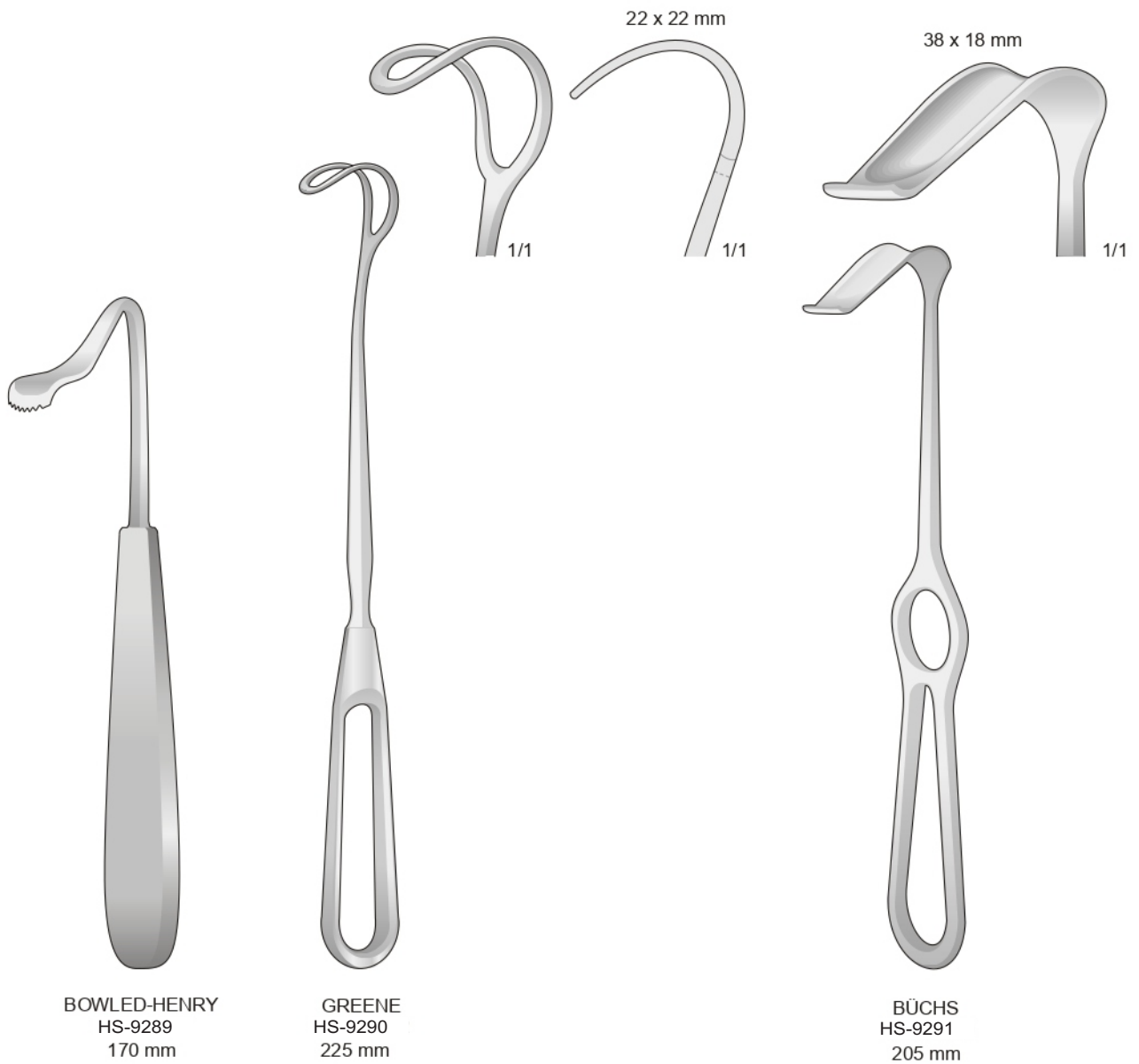
RICHARDSON  
 HS-9286  
 240 mm

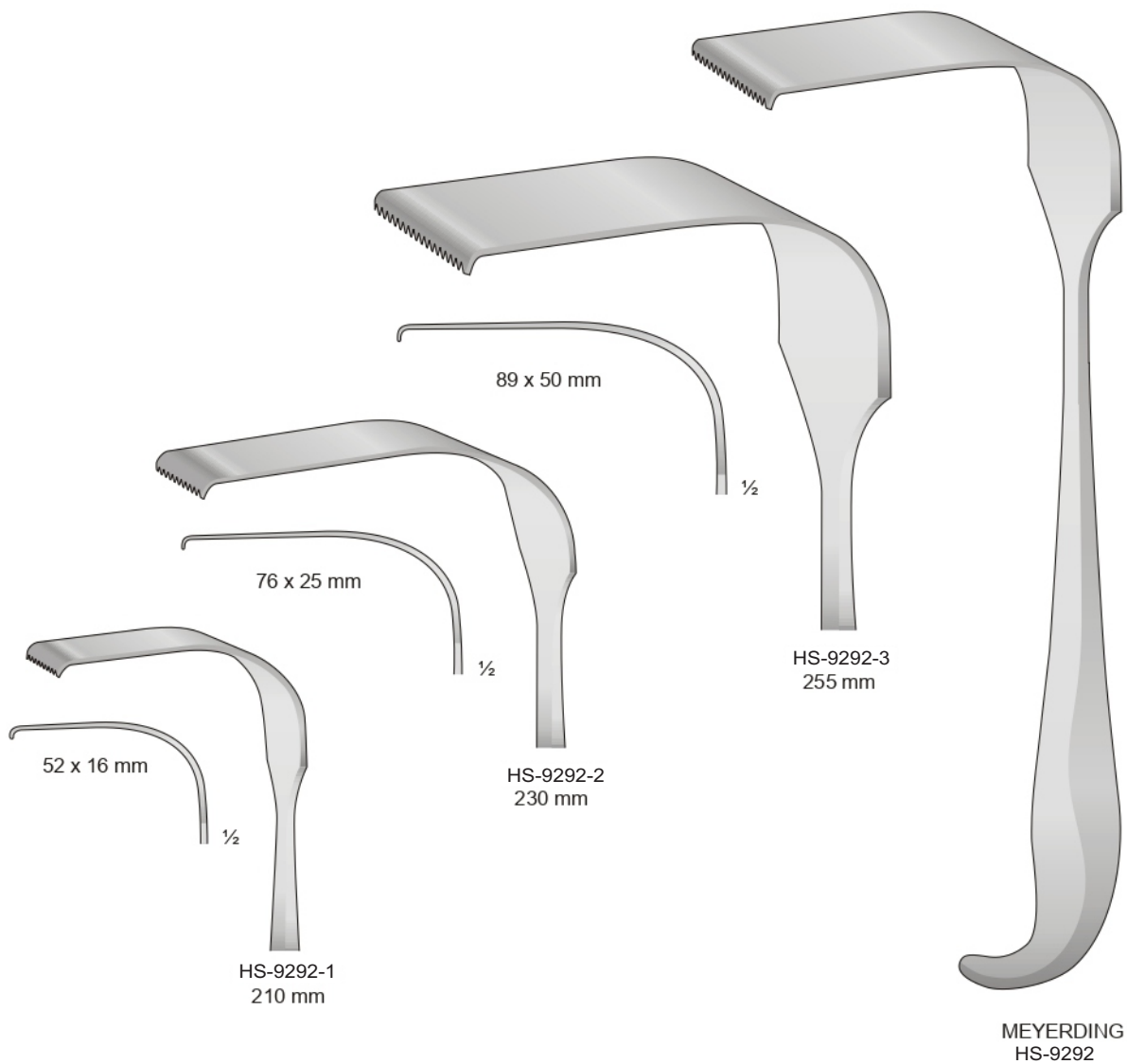
RICHARDSON  
 HS-9287  
 240 mm

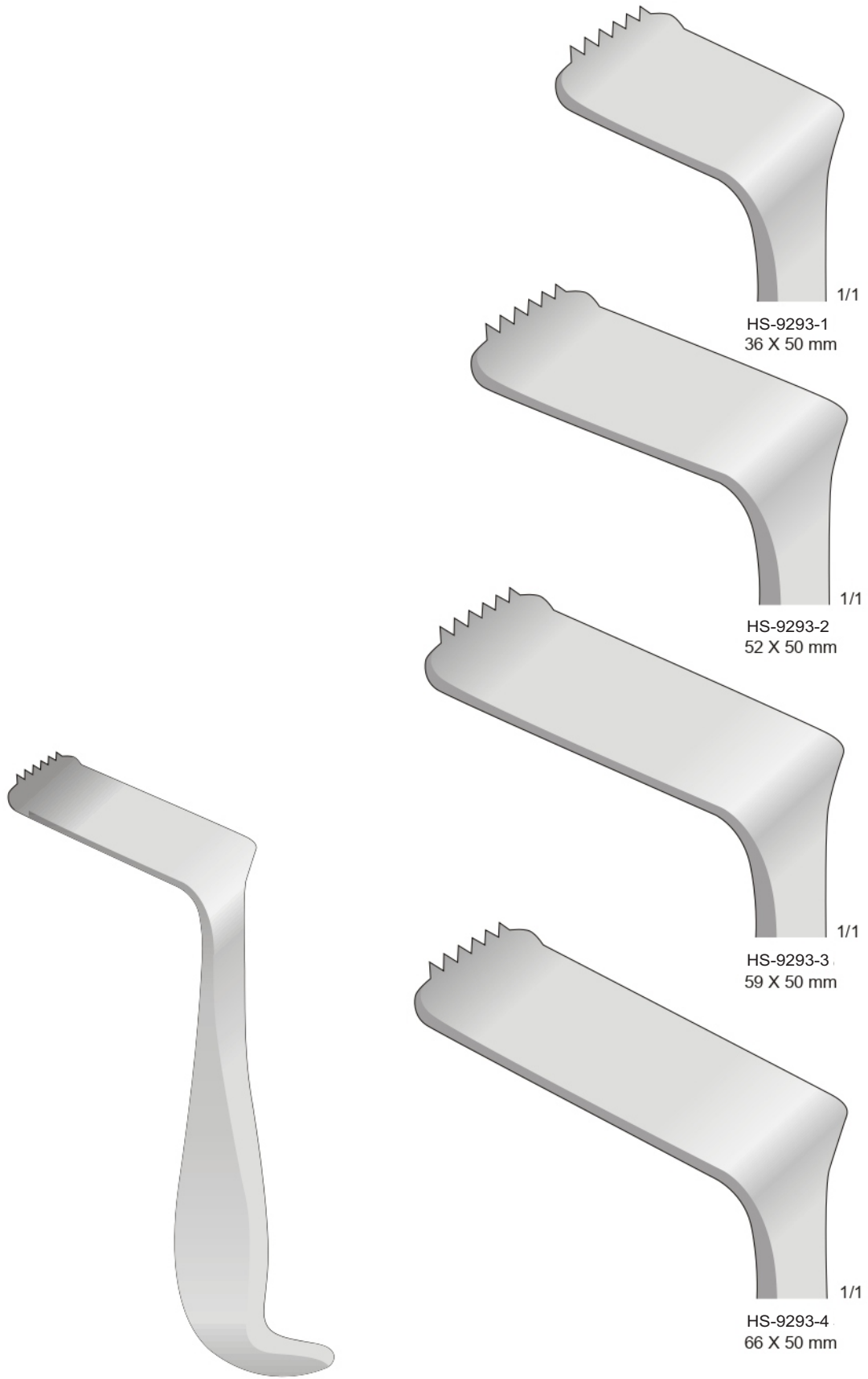


KELLY  
HS-9288  
260 mm









TESSIER  
HS-9293  
180 mm

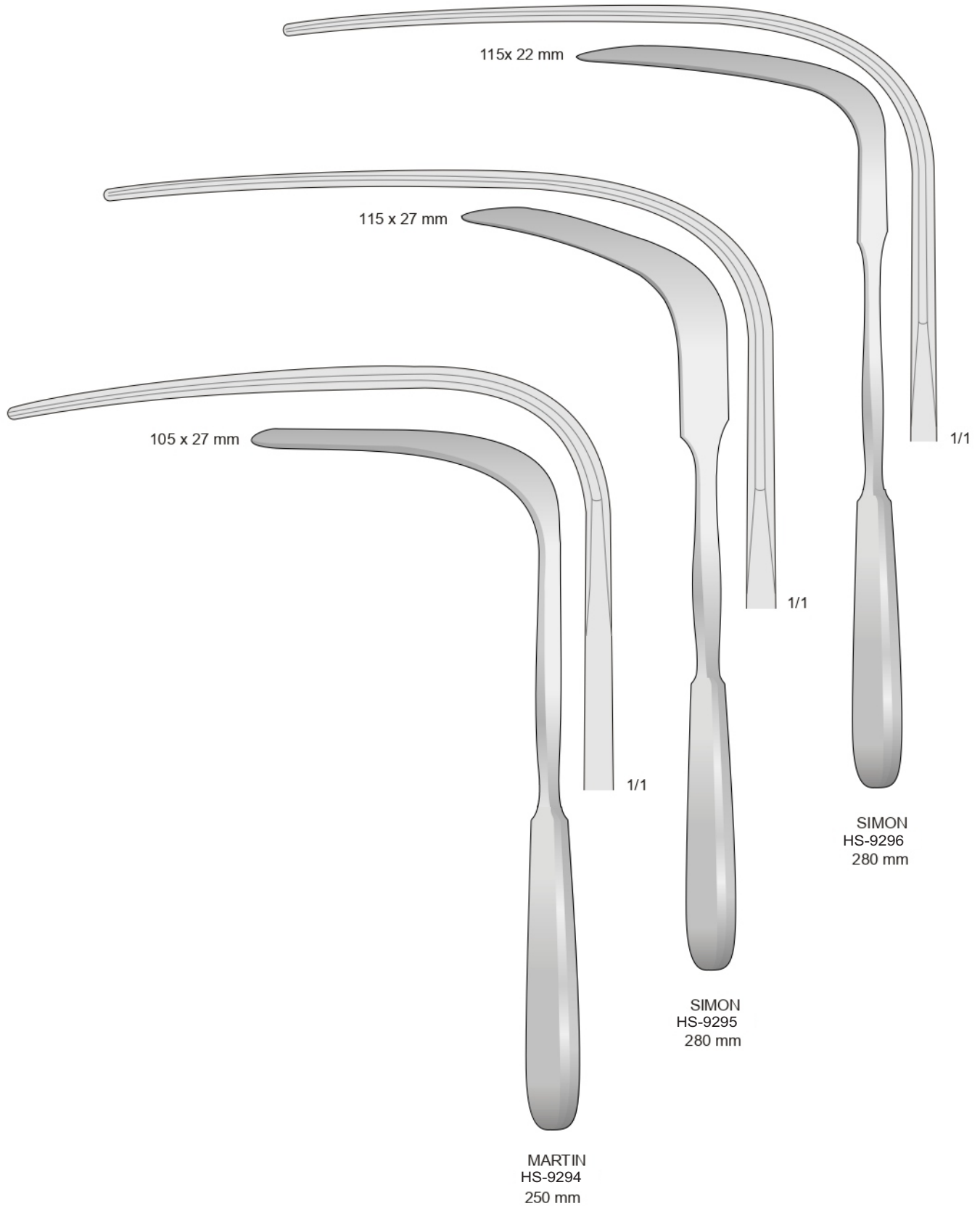
HS-9293-4  
66 X 50 mm

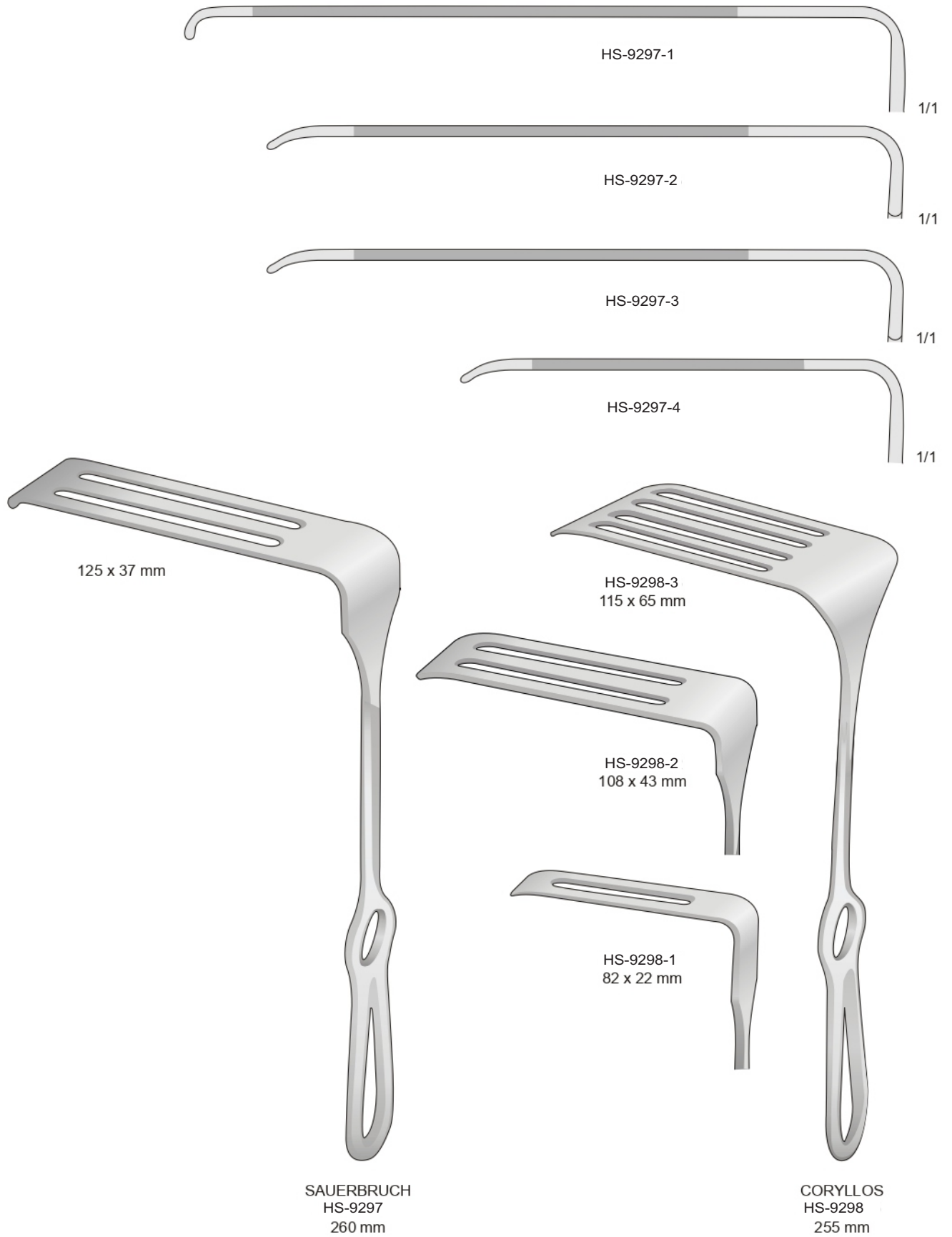
HS-9293-3  
59 X 50 mm

HS-9293-2  
52 X 50 mm

HS-9293-1  
36 X 50 mm

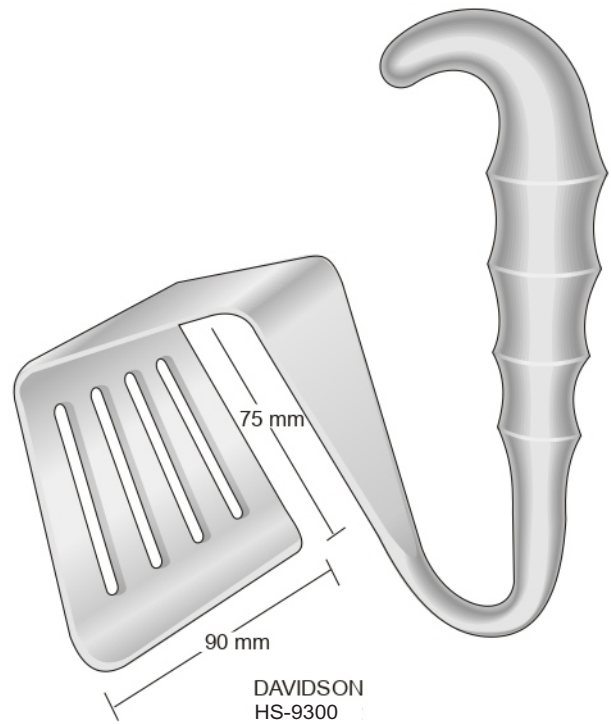
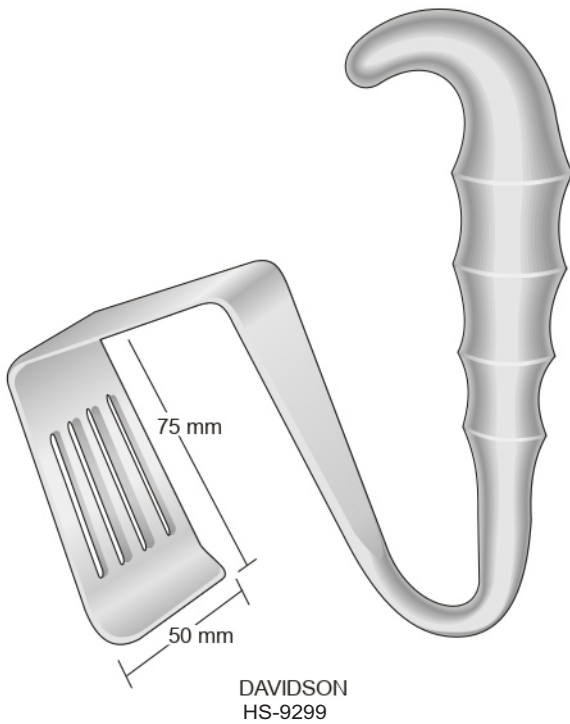


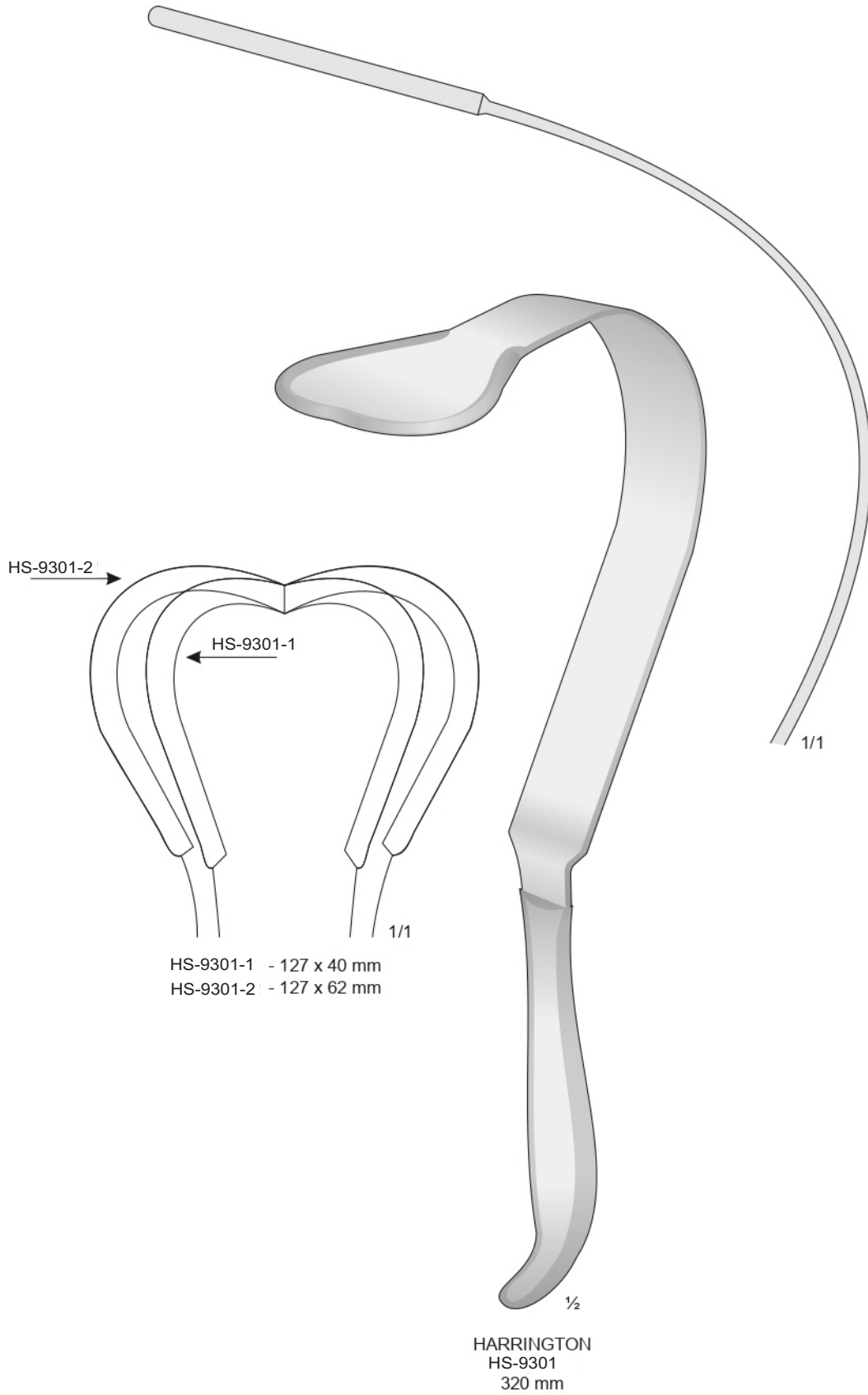






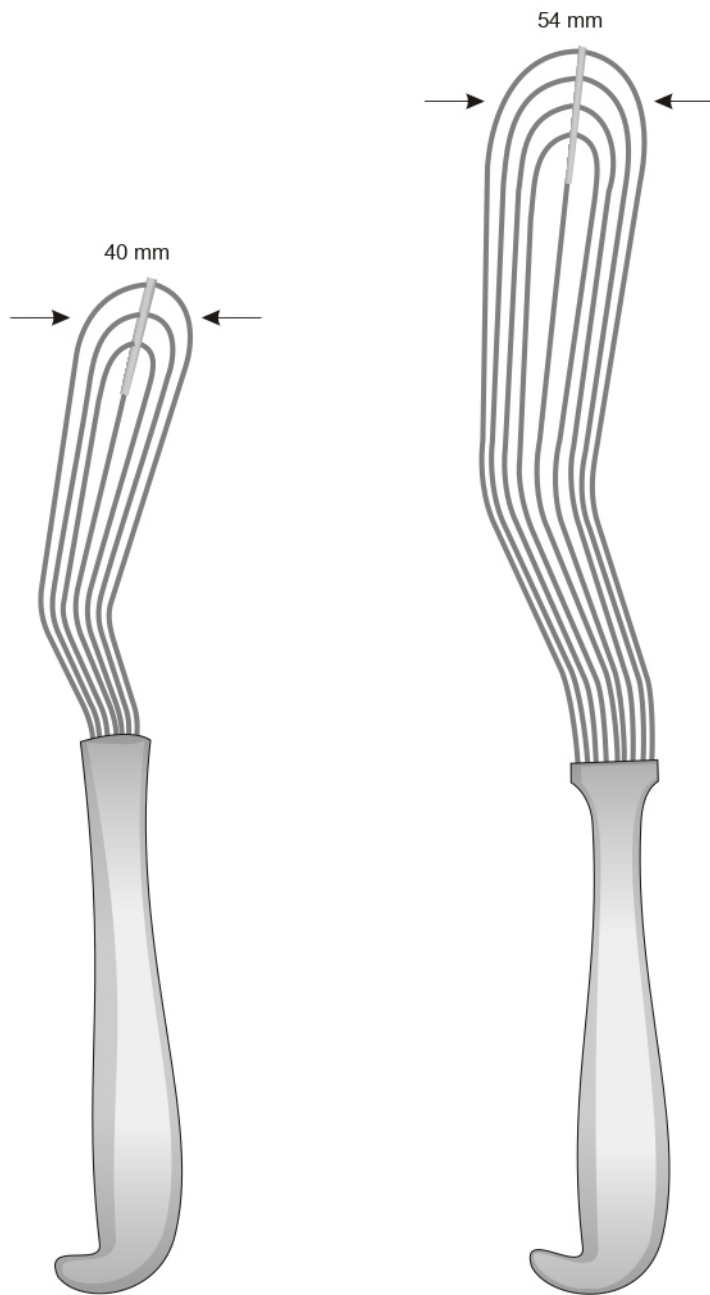
Retrattori per scapola  
Scapula retractors  
Scapula-Haken  
Ecarteurs pour scapula  
Separadores para scápula







Spatole per polmone  
Lung spatulas  
Lungenspatel  
Spatules pulmonaires  
Espátulas pulmonares

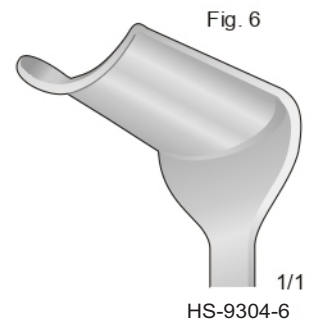
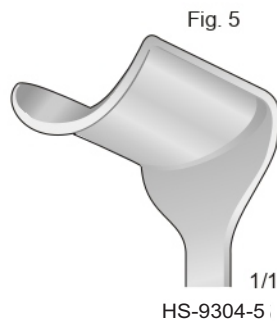


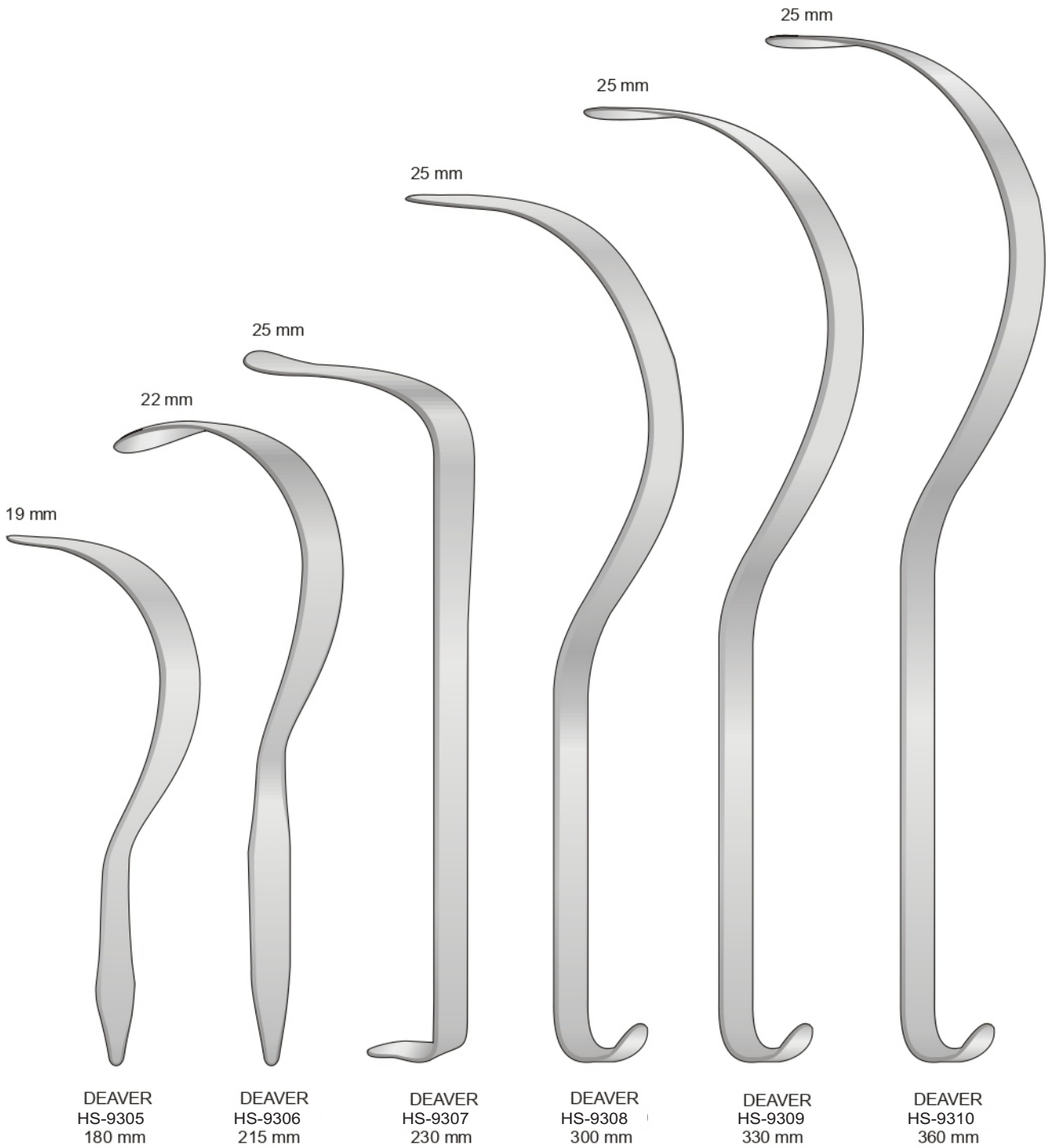
ALLISON  
HS-9302  
255 mm

ALLISON  
HS-9303  
320 mm



ROSS  
HS-9304  
270 mm





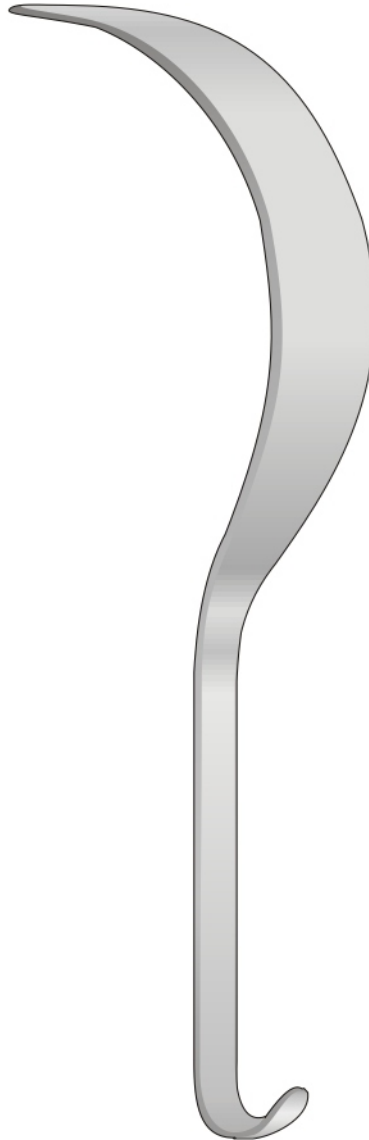


38 mm



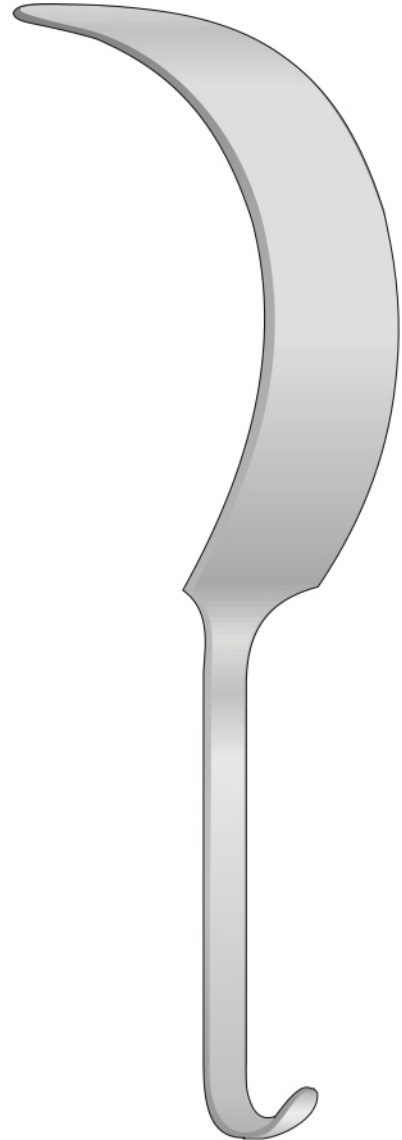
DEAVER  
HS-9311-1  
300 mm

50 mm



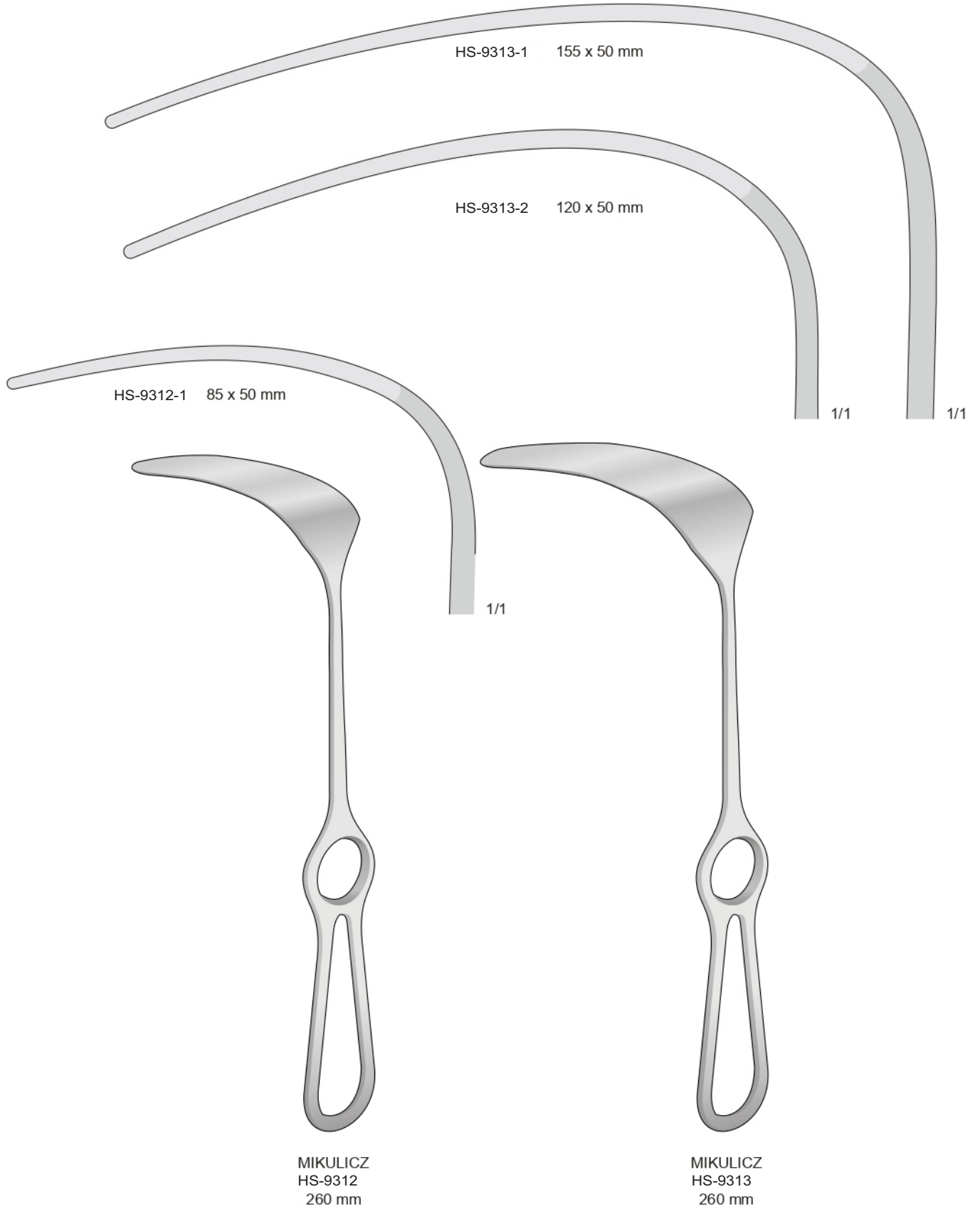
DEAVER  
HS-9311-2  
300 mm

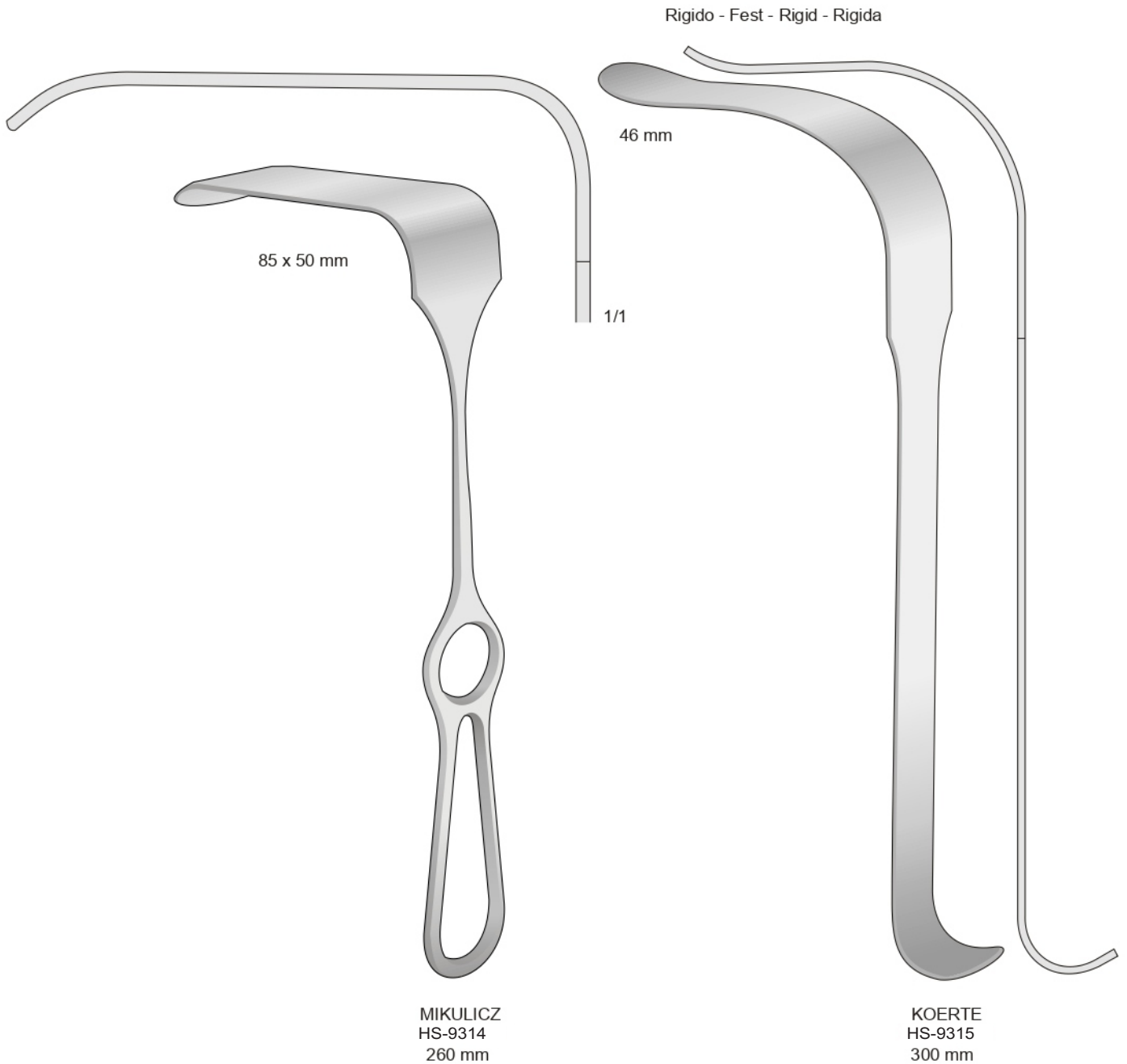
75 mm



DEAVER  
HS-9311-3  
300 mm





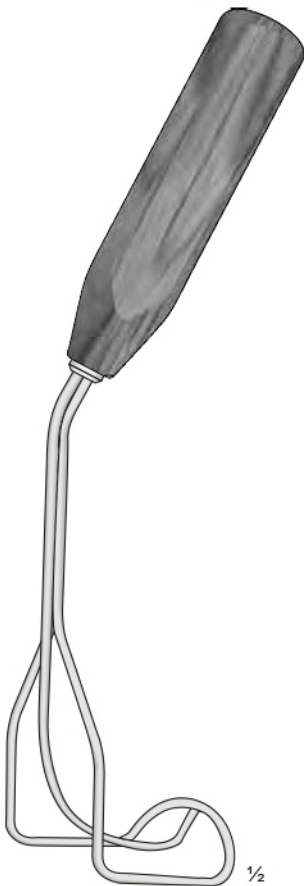




*Retractors*

Destro  
Right  
Rechts  
Droite  
Derecha

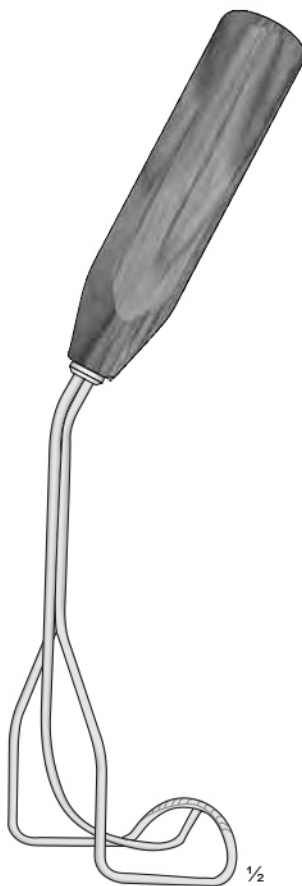
45 mm  
48 mm



COOLEY  
HS-9316  
215 mm

Destro, leggermente dentallato  
Right, slightly serrated  
Rechts, mit zahnriefen  
Droite, légèrement dentelé  
Derecha, legermente dentados

45 mm  
48 mm



COOLEY  
HS-9317  
215 mm

Sinistro  
Left  
Links  
Gauche  
Izquierda

24 mm  
48 mm



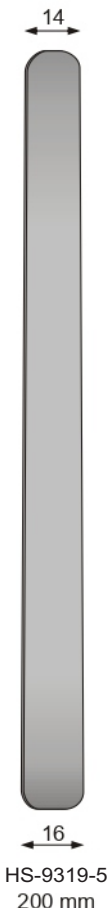
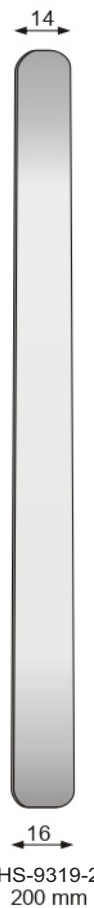
COOLEY  
HS-9318  
230 mm

Set completo con 3 spatole  
 Set complete with 3 spatulas  
 Kompletset mit 3 Spatel  
 Set complete avec 3 spatules  
 Set completos con 3 espatulas

Spatole addominali e intestinali inox  
 Abdominal and intestinal spatulas  
 Bauch und Darmspatel  
 Ecarteurs abdominaux et intestinaux  
 Espátulas abdominales e intestinales

Malleabili - Malleable - Biegsam  
 Souples - Maleables

Spatole Inox malleabili antiriflesso nere  
 Spatulas malleable black anodized



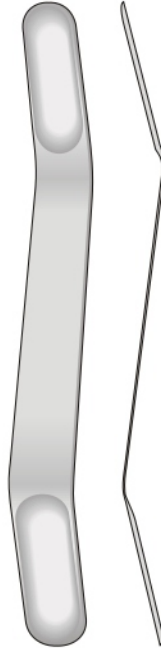


**Retractors**



HS-9320-1	7 mm + 9 mm
HS-9320-2	11 mm + 13 mm
HS-9320-3	15 mm + 18 mm
HS-9320-4	18 mm + 22 mm

CUSHING  
HS-9320  
180 mm



HS-9321-1	7 mm + 9 mm
HS-9321-2	11 mm + 13 mm
HS-9321-3	15 mm + 18 mm
HS-9321-4	18 mm + 22 mm

OLIVECRONA  
HS-9321  
180 mm

Malleabile - Malleable  
Biegsam - Souple - Maleable



HS-9322-1 30 mm  
HS-9322-2 40 mm  
HS-9322-3 50 mm  
330 mm

Malleabile - Malleable  
Biegsam - Souple - Maleable



50 mm  
HABERER  
HS-9323  
300 mm



46 mm  
REVERDIN  
HS-9324  
285 mm

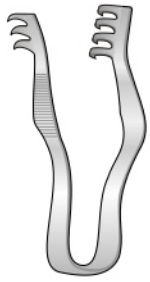
Malleabile - Malleable  
Biegsam - Souple - Maleable



25 mm  
TUFFIER  
HS-9325  
200 mm

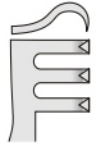


**Retractors**



FINSEN  
HS-9326  
50 mm

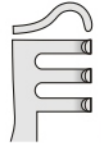
Acuto  
Sharp  
Spitz  
Pointü  
Agudas



HS-9326-1

1/1

Smusso  
Blunt  
Stumpf  
Mousse  
Romas



HS-9326-2

1/1

Acuto  
Sharp  
Spitz  
Pointü  
Agudas



HS-9326-3

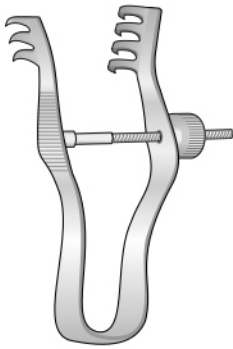
1/1

Smusso  
Blunt  
Stumpf  
Mousse  
Romas



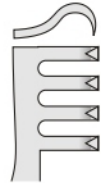
HS-9326-4

1/1



FINSEN  
HS-9327  
70 mm

Acuto  
Sharp  
Spitz  
Pointü  
Agudas



HS-9327-1

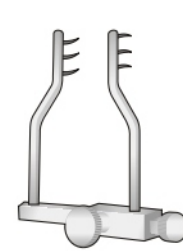
1/1

Smusso  
Blunt  
Stumpf  
Mousse  
Romas



HS-9327-2

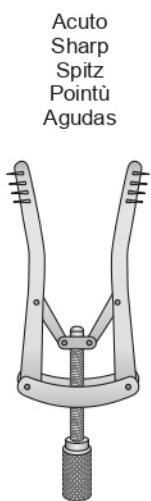
1/1



LOGAN  
HS-9328  
40 mm



1/1



ALM  
HS-9329  
70 mm

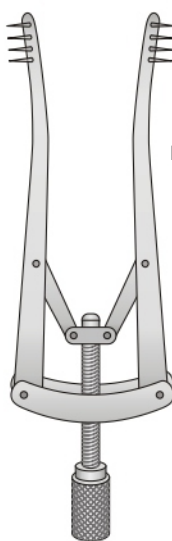
Acuto  
Sharp  
Spitz  
Pointü  
Agudas

Smusso  
Blunt  
Stumpf  
Mousse  
Romas



HS-9329-1  
70 mm

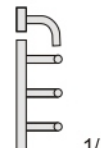
1/1



ALM  
HS-9330  
100 mm

Acuto  
Sharp  
Spitz  
Pointü  
Agudas

Smusso  
Blunt  
Stumpf  
Mousse  
Romas

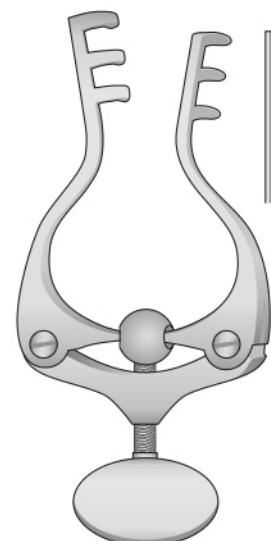


HS-9330-1  
100 mm

1/1

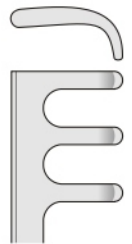


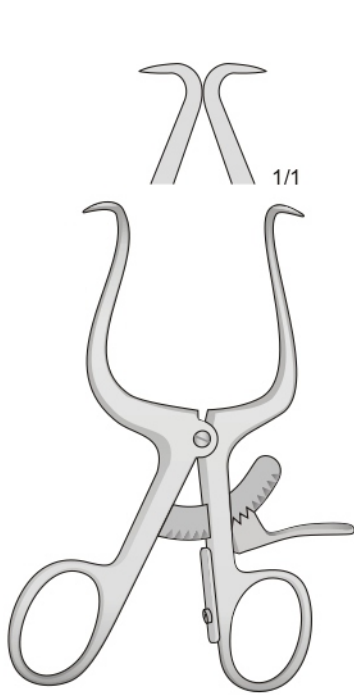
HS-9331  
100 mm



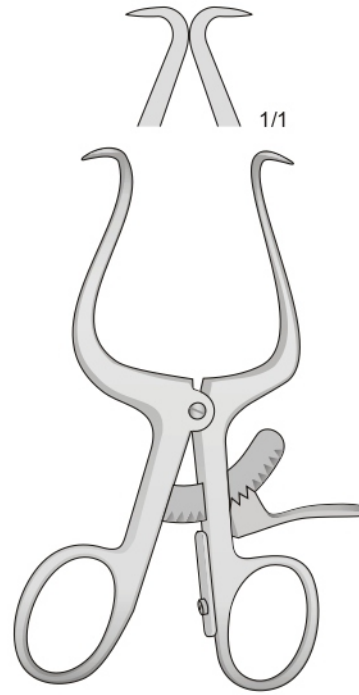
JANSEN  
HS-9332  
100 mm

Smusso  
Blunt  
Stumpf  
Mousse  
Romas

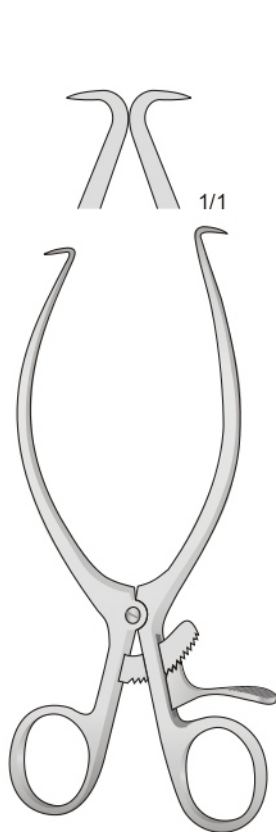




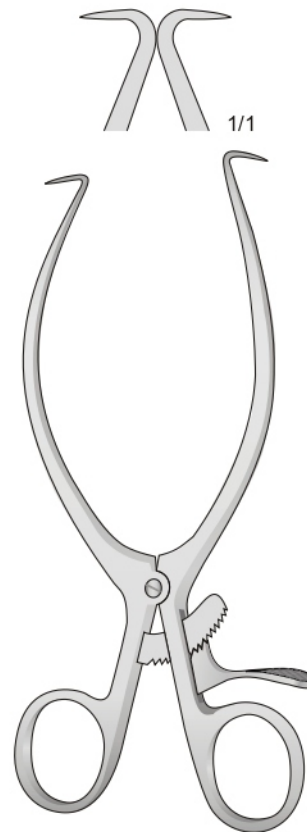
GELPI  
HS-9333  
90 mm



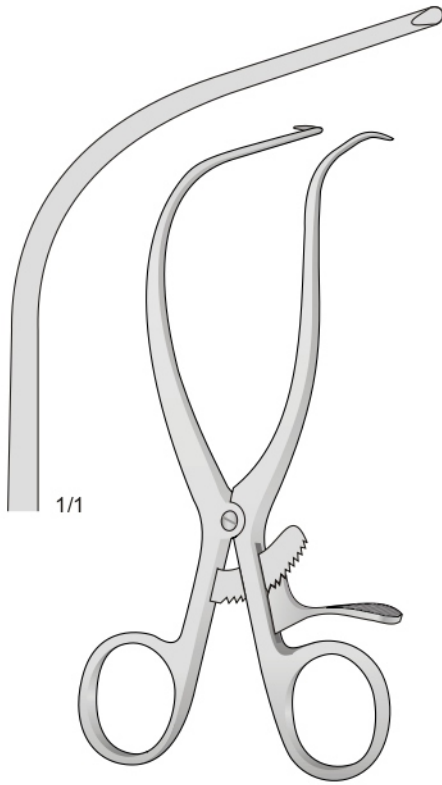
GELPI  
HS-9334  
110 mm



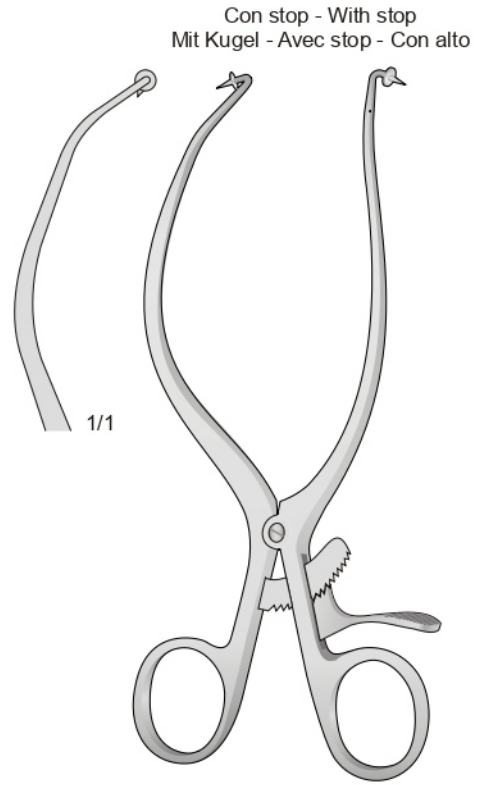
GELPI  
HS-9335  
140 mm



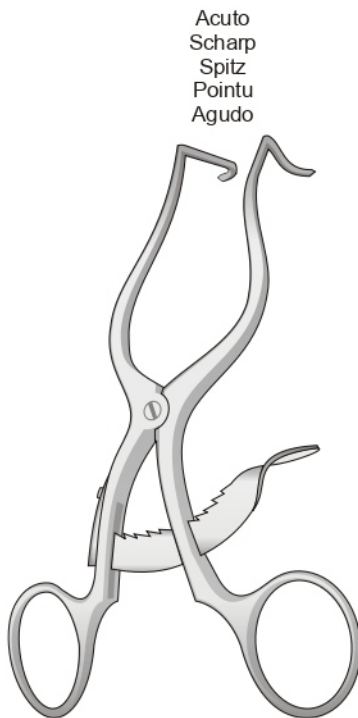
GELPI  
HS-9336  
180 mm



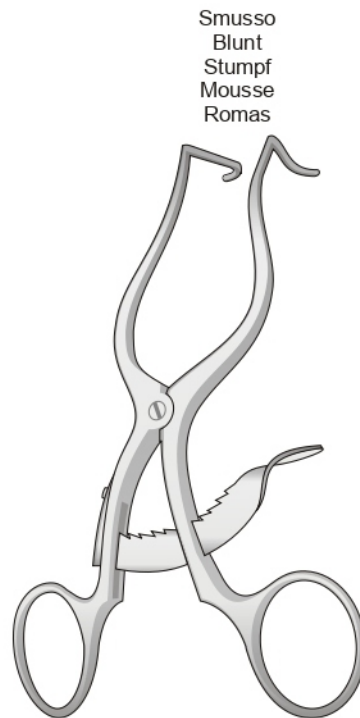
GELPI-SELETZ  
HS-9337  
165 mm



GELPI-LOKTITE  
HS-9338  
190 mm



CLOWARD-CONTOUR  
HS-9339  
140 mm

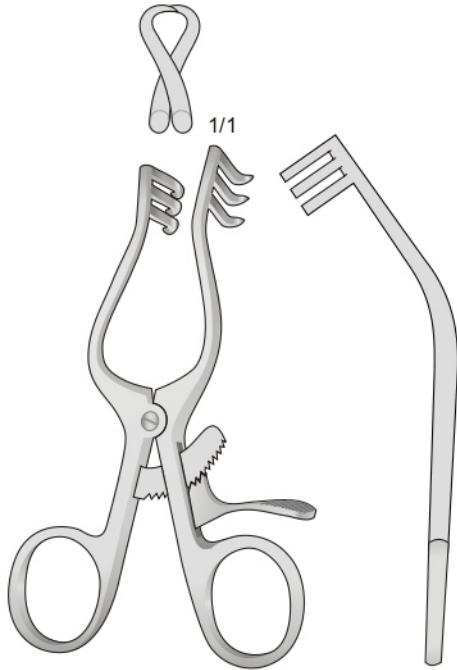


CLOWARD-CONTOUR  
HS-9340  
140 mm



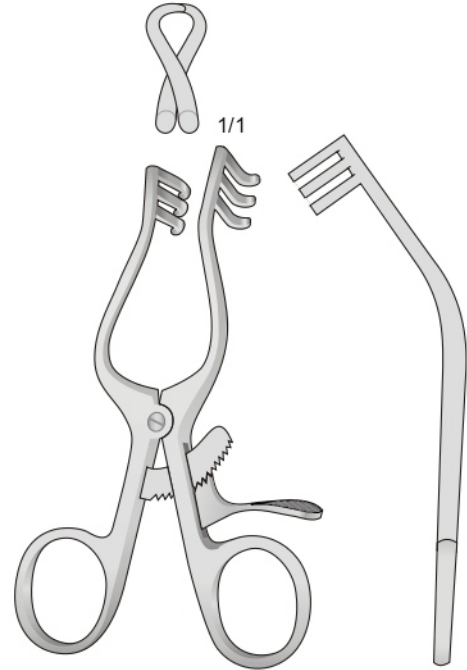


Acuto  
Sharp  
Spitz  
Pointu  
Agudo



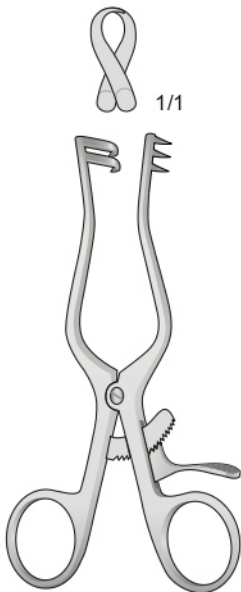
WULLSTEIN  
HS-9341  
105 mm

Smusso  
Blunt  
Stumpf  
Mousse  
Romo



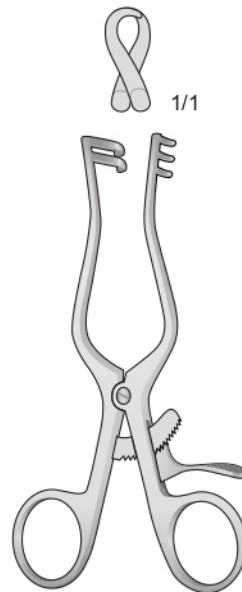
WULLSTEIN  
HS-9342  
105 mm

Acuto  
Sharp  
Spitz  
Pointu  
Agudo

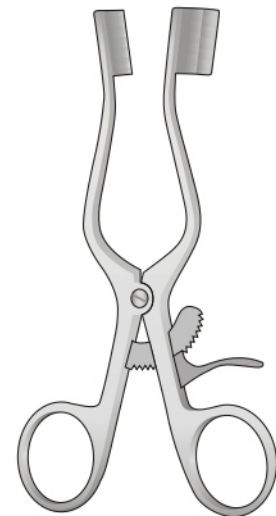
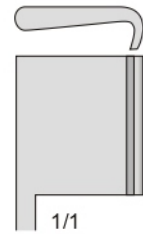


WEITLANER  
HS-9343  
110 mm

Smusso  
Blunt  
Stumpf  
Mousse  
Romo



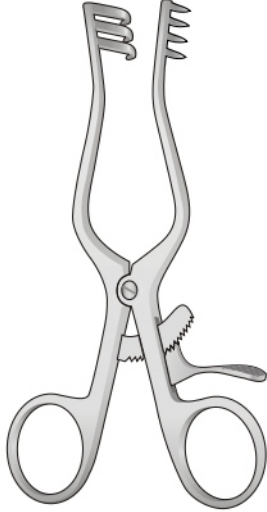
WEITLANER  
HS-9344  
110 mm



BABY-WEITLANER  
HS-9345  
140 mm

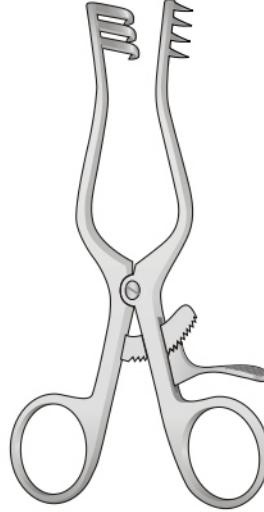


Semi acuto - Semi Sharp - Halbscharf  
Semi Pointu - Semi Agudas



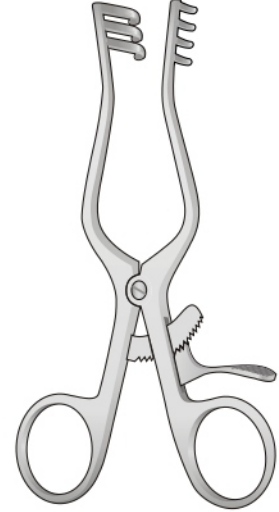
WEITLANER  
HS-9346-1  
135 mm

Acuto - Sharp - Spitz  
Pointu - Agudas



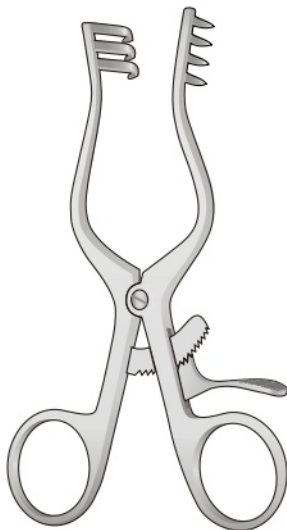
WEITLANER  
HS-9346-2  
135 mm

Smusso - Blunt - Stumpf  
Mousse - Romas



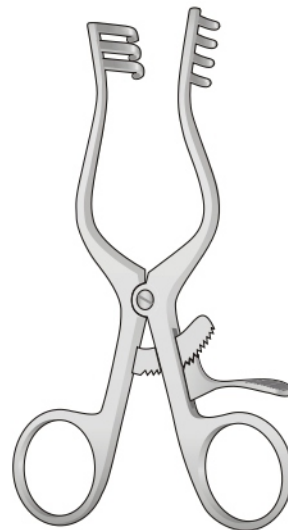
WEITLANER  
HS-9346-3  
135 mm

Acuto - Sharp - Spitz  
Pointu - Agudas



WEITLANER  
HS-9346-4  
135 mm

Smusso - Blunt - Stumpf  
Mousse - Romas

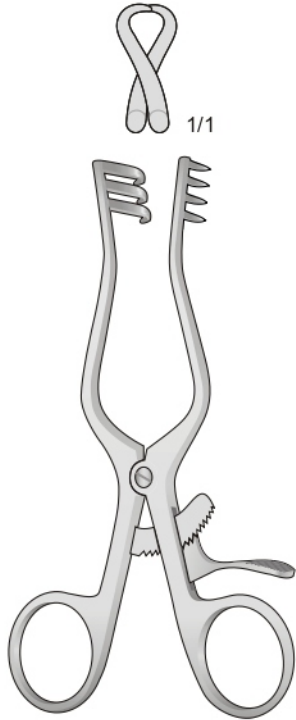


WEITLANER  
HS-9346-5  
135 mm



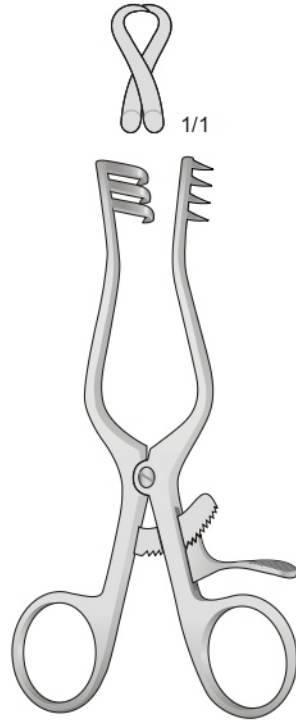
**Retractors**

Semi acuto - Sharp - Halbscharf  
Semi Pointu - Agudas



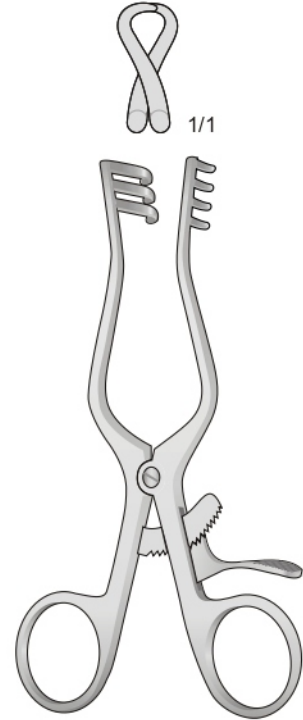
WEITLANER  
HS-9347-1  
165 mm

Acuto - Sharp - Spitz  
Pointu - Agudas



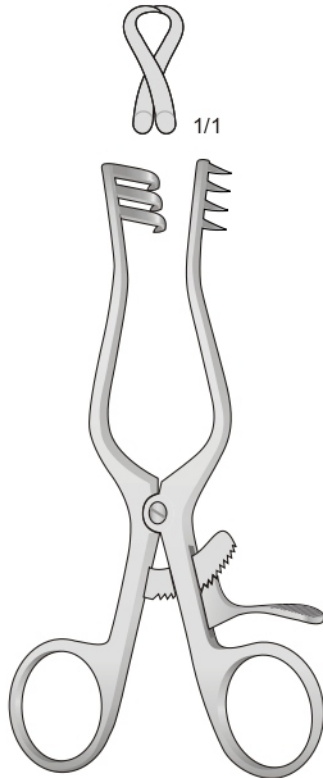
WEITLANER  
HS-9347-2  
165 mm

Smusso - Blunt - Stumpf  
Mousse - Romas



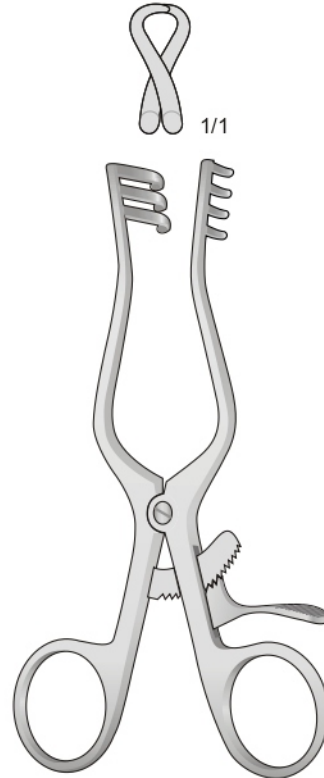
WEITLANER  
HS-9347-3  
165 mm

Acuto - Sharp - Spitz  
Pointu - Agudas



WEITLANER  
HS-9347-4  
200 mm

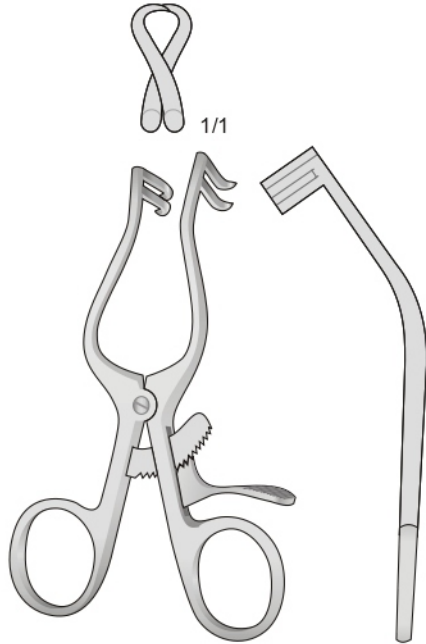
Smusso - Blunt - Stumpf  
Mousse - Romas



WEITLANER  
HS-9347-5  
200 mm

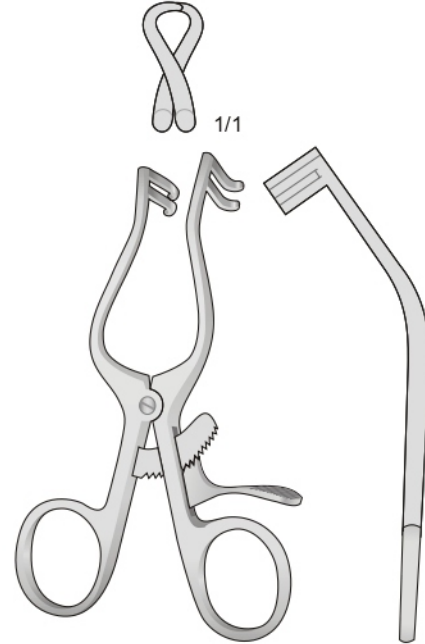


Acuto - Sharp - Spitz  
Pointu - Agudas



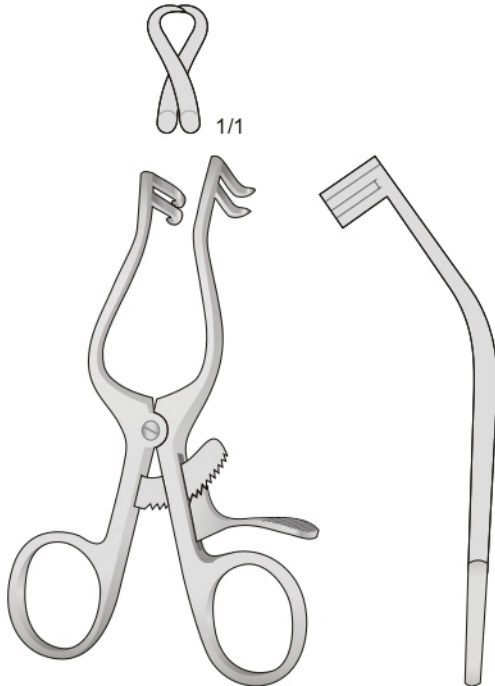
PLESTER  
HS-9348  
110 mm

Smusso - Blunt - Stumpf  
Mousse - Romas



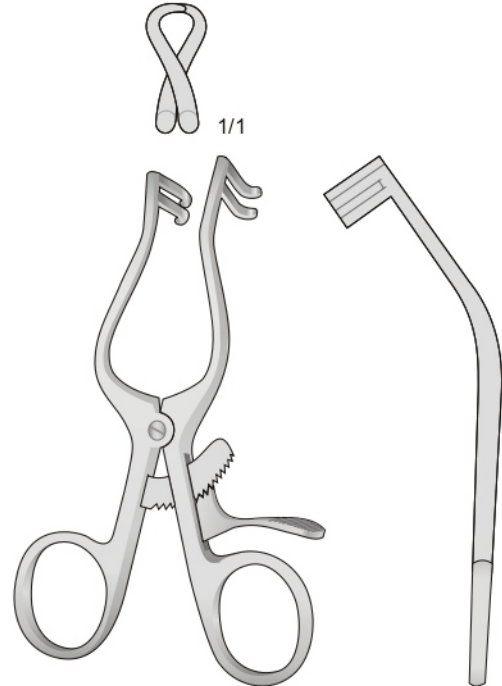
PLESTER  
HS-9348  
110 mm

Acuto - Sharp - Spitz  
Pointu - Agudas



PLESTER  
HS-9350  
135 mm

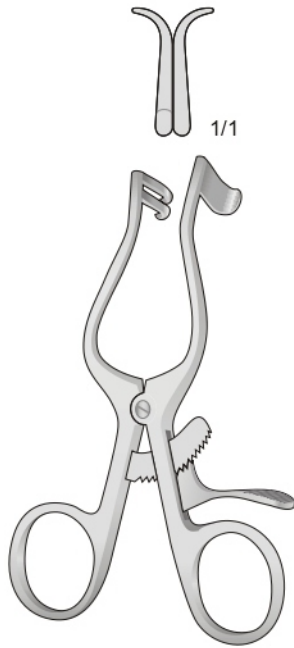
Smusso - Blunt - Stumpf  
Mousse - Romas



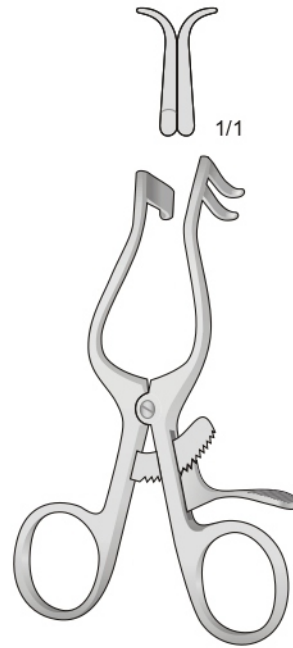
PLESTER  
HS-9351  
135 mm



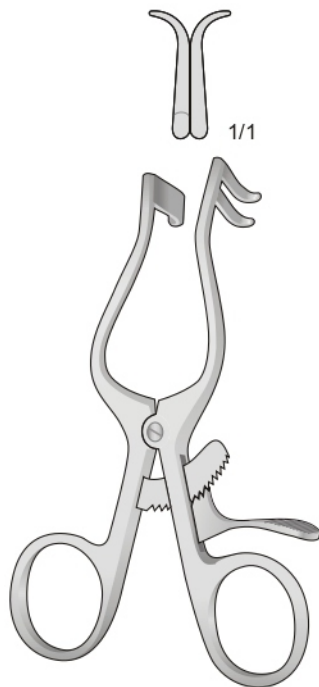
Smusso - Blunt - Stumpf - Mousse - Rome



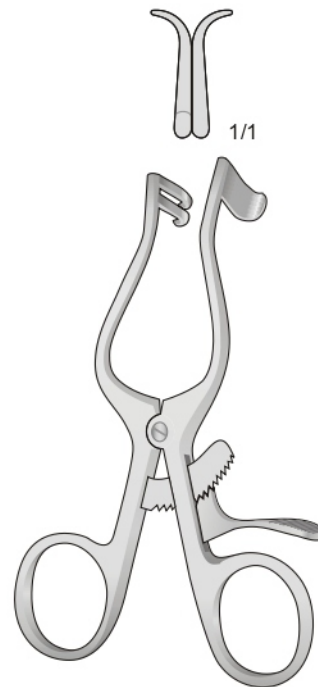
PLESTER  
HS-9352-1  
110 mm



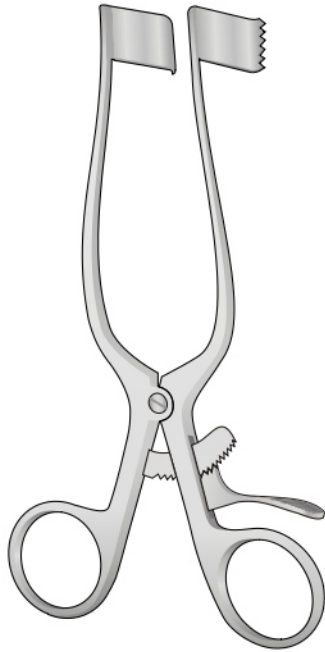
PLESTER  
HS-9352-2  
110 mm



PLESTER  
HS-9353-1  
135 mm



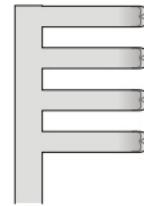
PLESTER  
HS-9353-2  
135 mm



**MEYERDING**

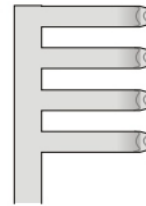
- HS-9354-1 - 32 x 25 mm
- HS-9354-2 - 60 x 25 mm
- HS-9354-3 - 54 x 25 mm
- HS-9354-4 - 60 x 20 mm  
180 mm

Acuto - Sharp - Spitz  
Pointu - Agudo

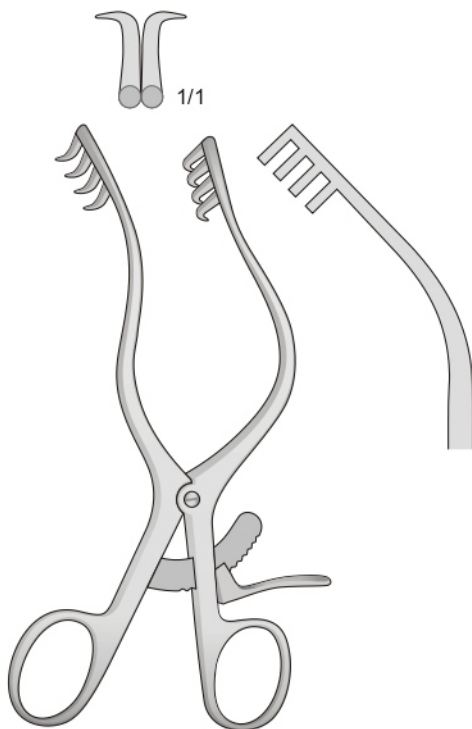


HS-9356-1

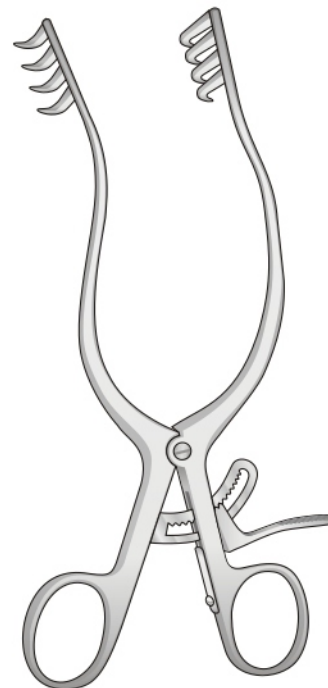
Smusso - Blunt - Stumpf  
Mousse - Rome



HS-9356-2



**MOLLISON**  
HS-9355  
160 mm



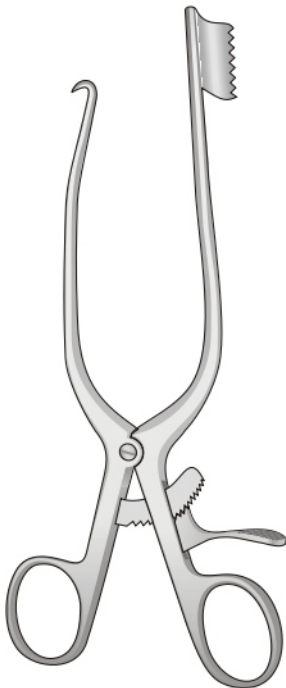
**ANDERSON-ADSON**  
HS-9356  
200 mm



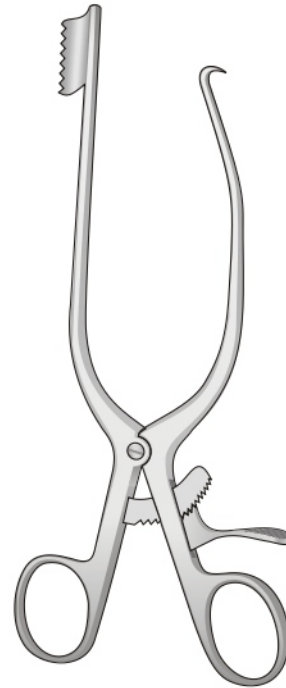
WALTON  
HS-9357  
180 mm



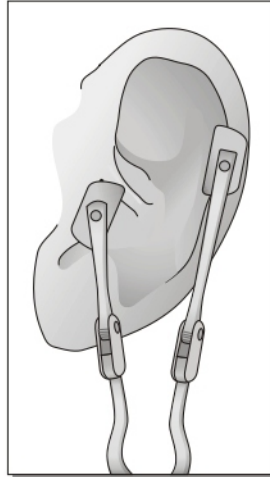
WALTON  
HS-9358  
180 mm



MARKHAM-MEYERDING  
HS-9359  
180 mm

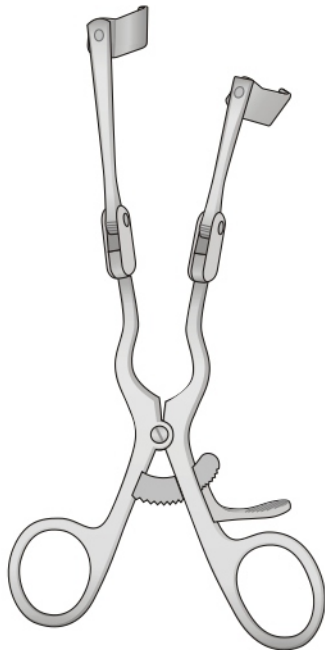


MARKHAM-MEYERDING  
HS-9360  
180 mm

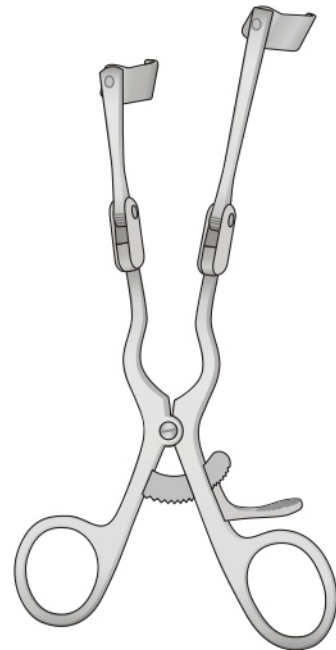


Lame, sinistro  
Blades, left  
Klingen, Link  
Lames, gauche  
Hojas, izquierda  
13 x 20 mm

Lame, destro  
Blades, right  
Klingen, Rechts  
Lames, droite  
Hojas, derecha  
13 x 20 mm



DOLWICK-REICH  
HS-9361-1  
170 mm

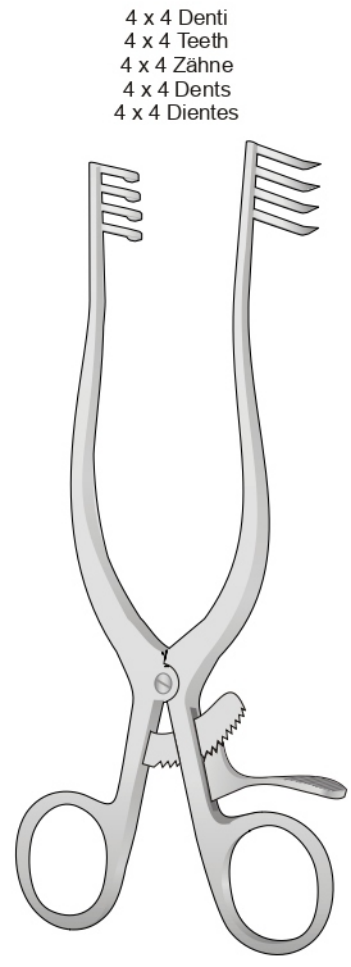
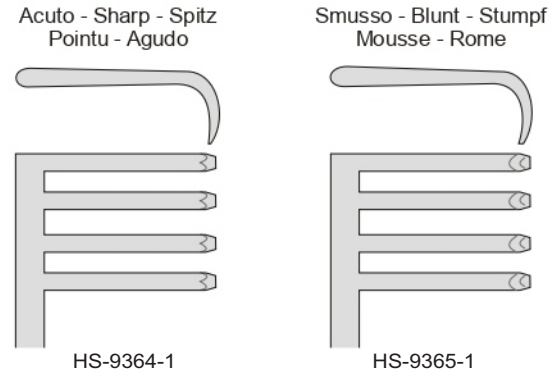
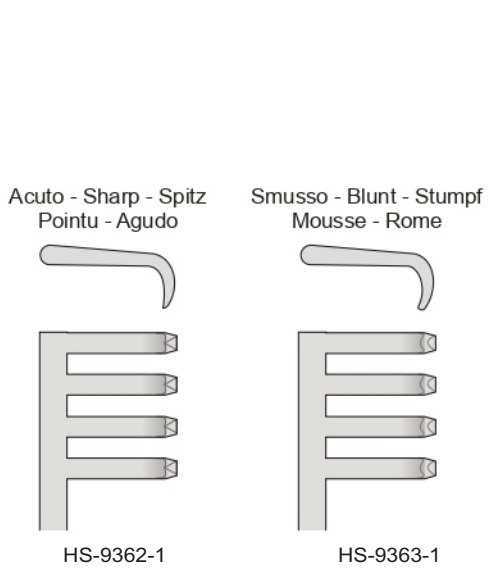


DOLWICK-REICH  
HS-9361-2  
170 mm

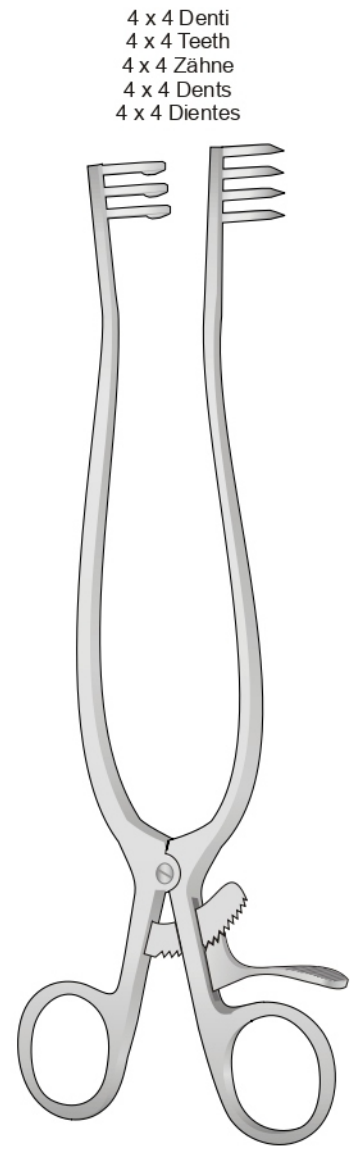




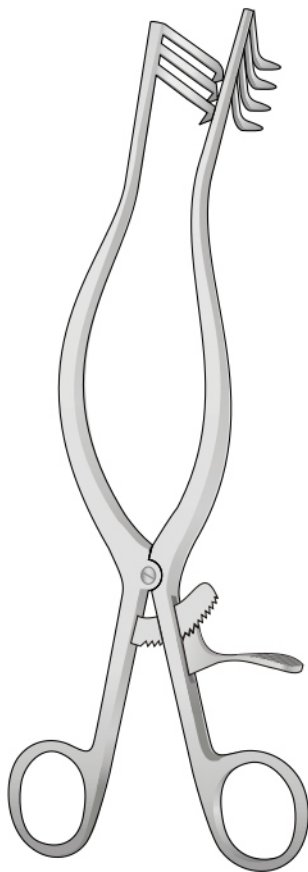
**Retractors**



ADSON  
HS-9362 / HS-0363  
200 mm

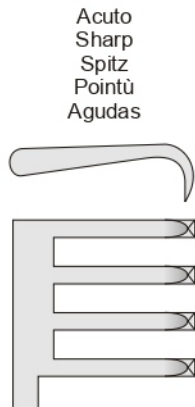


WEITLANER  
HS-9364 / HS-0365  
250 mm

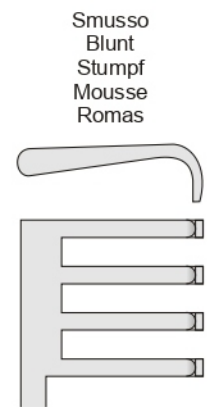


ADSON  
HS-9366 / HS-9367  
265 mm

3 x 4 Denti  
3 x 4 Teeth  
3 x 4 Zähne  
3 x 4 Dents  
3 x 4 Dientes

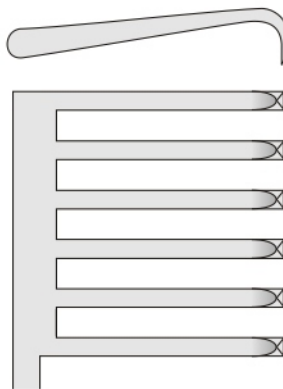


HS-9366-1

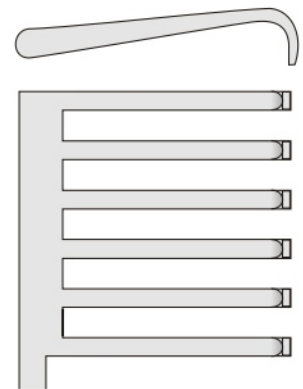


HS-9367-1

6 x 6 Denti  
6 x 6 Teeth  
6 x 6 Zähne  
6 x 6 Dents  
6 x 6 Dientes



HS-9366-2

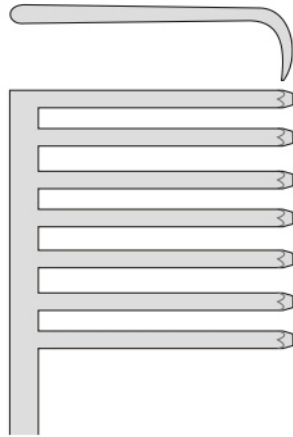


HS-9367-2



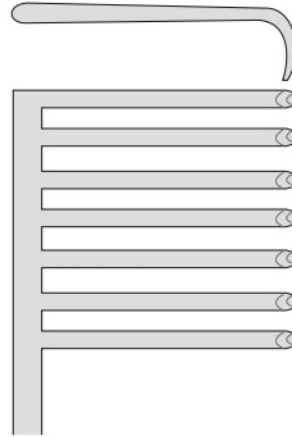
**Retractors**

Acuto - Sharp - Spitz  
Pointu - Agudo



HS-9368-1  
220 mm

Smusso - Blunt - Stumpf  
Mousse - Rome



HS-9369-1  
220 mm

7 x 7 Denti  
7 x 7 Teeth  
7 x 7 Zähne  
7 x 7 Dents  
7 x 7 Dientes



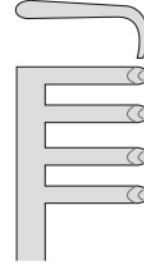
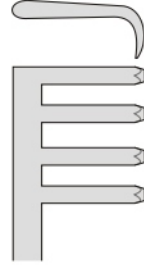
MISKIMON  
HS-9368 / HS-9369  
220 mm



**Retractors**

Acuto  
Scharp  
Spitz  
Pointu  
Agudo

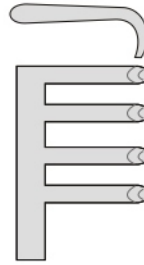
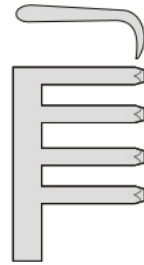
Smusso  
Blunt  
Stumpf  
Mousse  
Romos



HS-9370-1  
140 mm

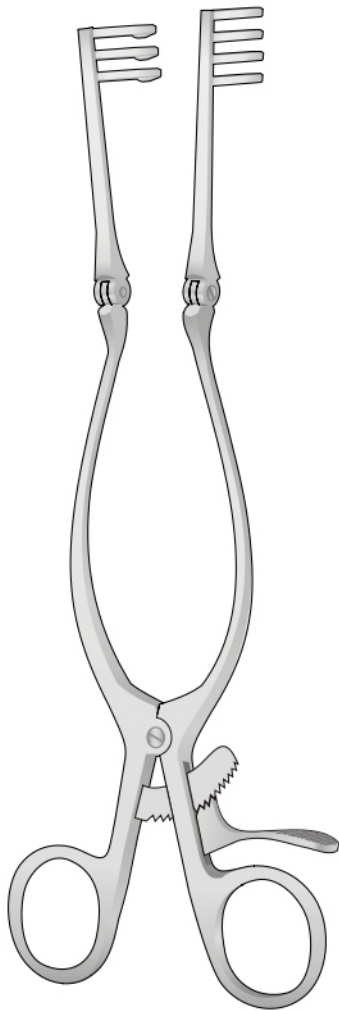
HS-9371-1  
140 mm

3 x 4 Denti  
3 x 4 Teeth  
3 x 4 Zähne  
3 x 4 Dents  
3 x 4 Dientes



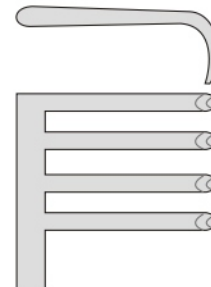
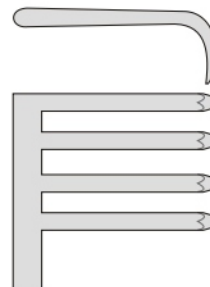
HS-9370-2  
165 mm

HS-9371-2  
165 mm



HS-9370-3  
200 mm

HS-9371-3  
200 mm



HS-9370-4  
250 mm

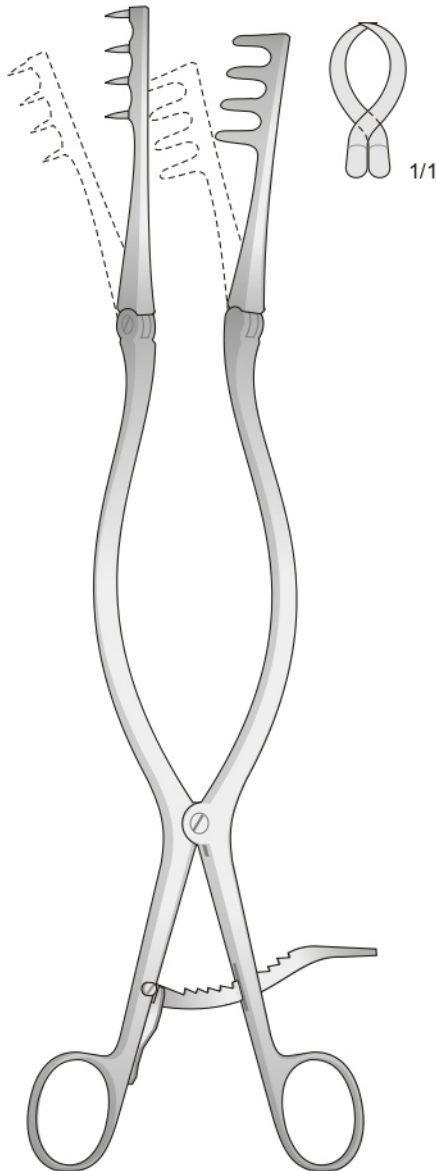
HS-9371-4  
250 mm

ADSON  
HS-9370 / HS-9371



Acuto - Sharp  
Spitz - Pointu  
Agudas

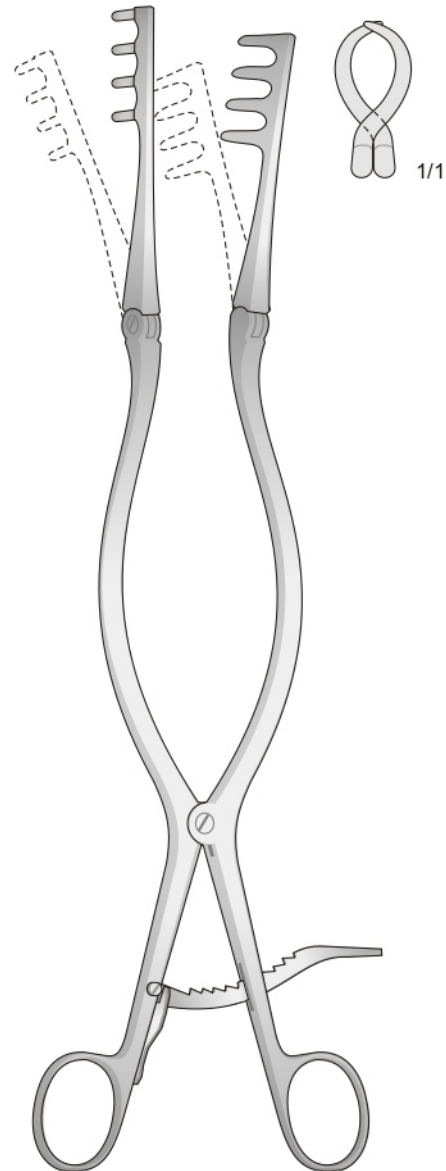
4 x 4 Denti  
4 x 4 Teeth  
4 x 4 Zähne  
4 x 4 Dents  
4 x 4 Dientes



BECKMANN  
HS-9372-1  
310 mm

Semi acuto -Sharp  
Halbscharf - Semi pointu  
Agudas

4 x 4 Denti  
4 x 4 Teeth  
4 x 4 Zähne  
4 x 4 Dents  
4 x 4 Dientes



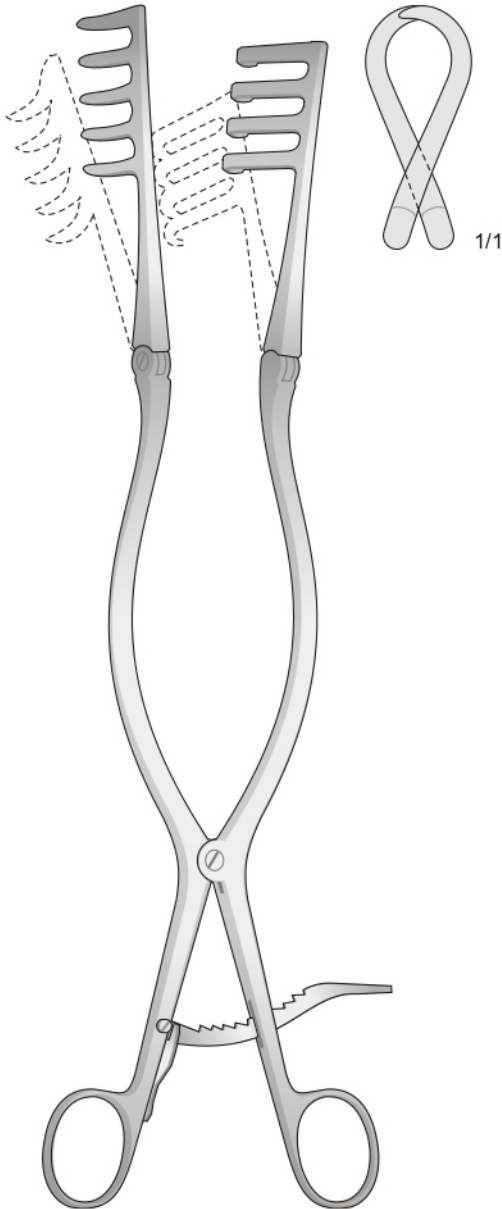
BECKMANN  
HS-9372-2  
310 mm



**Retractors**

Smusso - Blunt - Stumpf  
Mousse - Romas

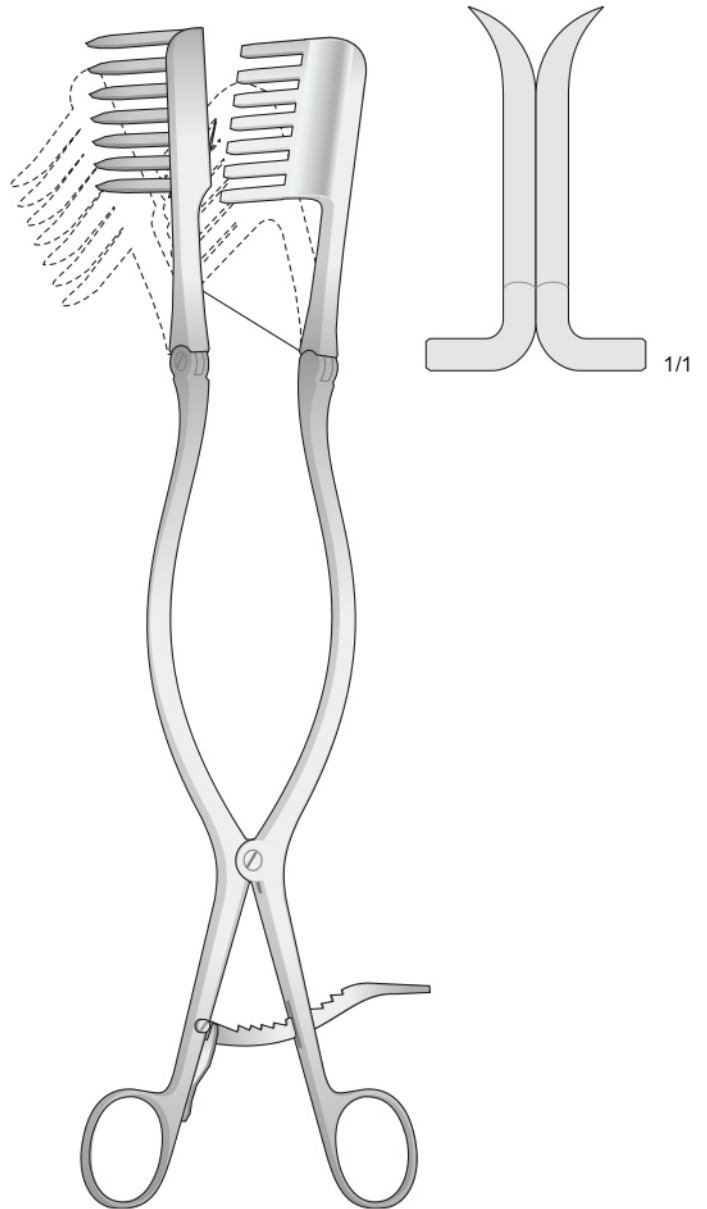
- 5 x 4 Denti
- 5 x 4 Teeth
- 5 x 4 Zähne
- 5 x 4 Dents
- 5 x 4 Dientes



ADSON  
HS-9373  
320 mm

Acuto-Sharp-Spitz  
Pointú-Agudas

- 7 x 7 Denti
- 7 x 7 Teeth
- 7 x 7 Zähne
- 7 x 7 Dents
- 7 x 7 Dientes

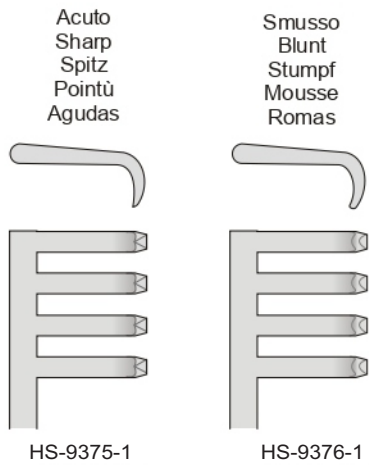


BECKMANN-EATON  
HS-9374  
330 mm

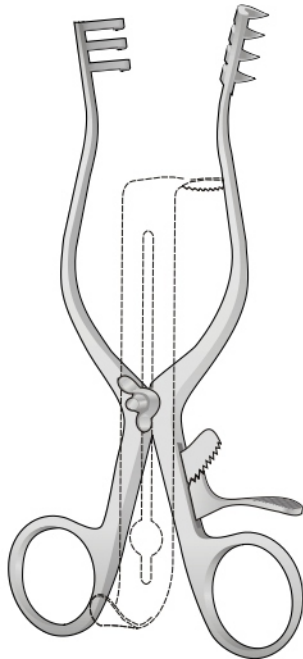


**Retractors**

Solo divaricatore senza valva  
Retractor without blades  
Spreizer allein  
Separador sin valvas  
Ecarteur sans valves

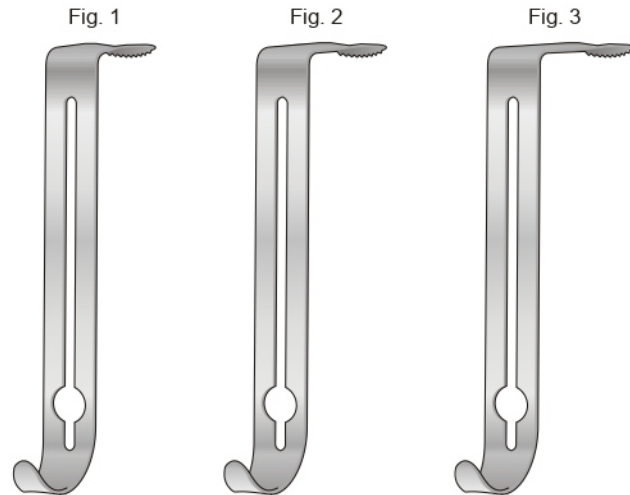


3 x 4 Denti  
3 x 4 Teeth  
3 x 4 Zähne  
3 x 4 Dents  
3 x 4 Dientes



HENLEY  
HS99375 / HS-9376  
165 mm

Valve centrali  
Center blades  
Mittelblatte  
Valves centrale  
Valvas centrales



HS-9377-1  
16x19 mm

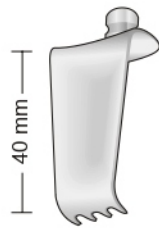
HS-9377-2  
16x25 mm

HS-9377-3  
16x32 mm

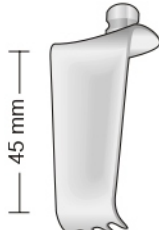
**Retractors**

CLOWARD Modif.  
Divaricatore, solo  
Retractor, only  
Sperrer, allein  
Ecarteur, seul  
Separador, suelto

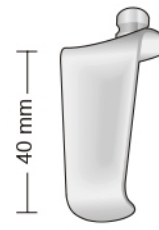
CLOWARD Modif.  
Divaricatore, solo  
Retractor, only  
Sperrer, allein  
Ecarteur, seul  
Separador, suelto



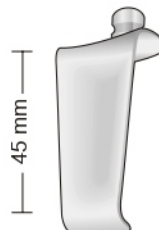
40 mm  
16 mm  
HS-9378-1



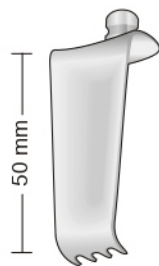
45 mm  
16 mm  
HS-9378-2



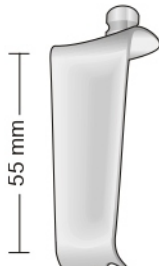
40 mm  
16 mm  
HS-9379-1



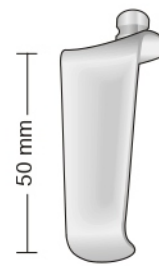
45 mm  
16 mm  
HS-9379-2



50 mm  
16 mm  
HS-9378-3



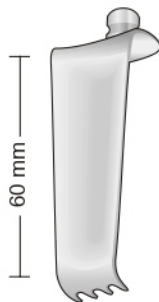
55 mm  
16 mm  
HS-9378-4



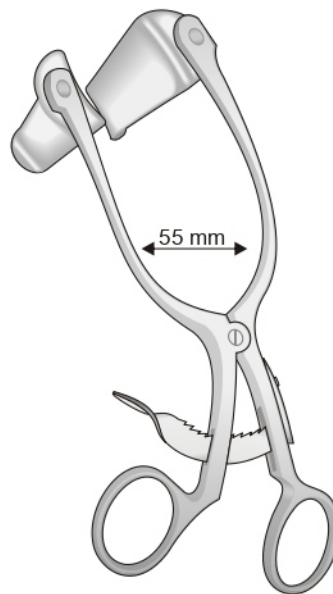
50 mm  
16 mm  
HS-9379-3



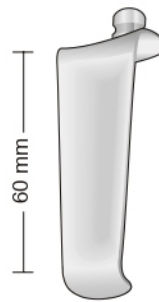
55 mm  
16 mm  
HS-9379-4



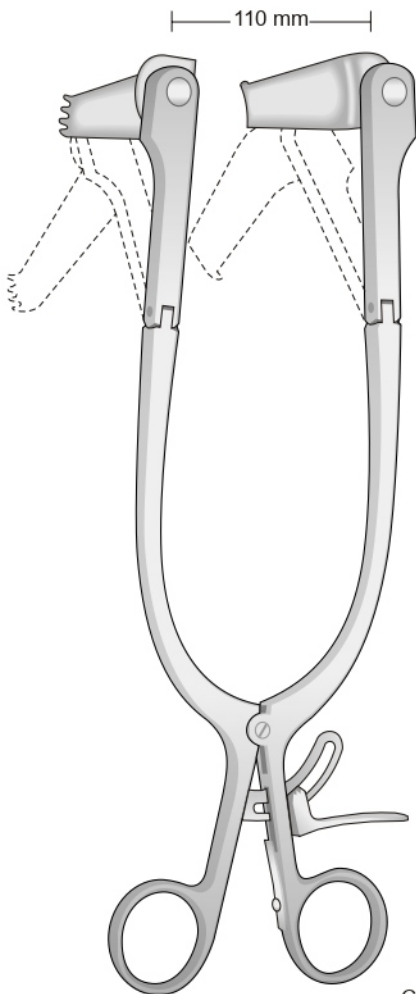
60 mm  
16 mm  
HS-9378-5



CLOWARD  
HS-9379  
160 mm



60 mm  
16 mm  
HS-9379-5



CLOWARD modif.  
HS-9378  
250 mm

Completo di 5 valve  
Complete with 5 blades  
Komplett mit 5 Valven  
Complet avec 5 valves  
Completo con 5 valvas

Completo di 5 valve  
Complete with 5 blades  
Komplett mit 5 Valven  
Complet avec 5 valves  
Completo con 5 valvas



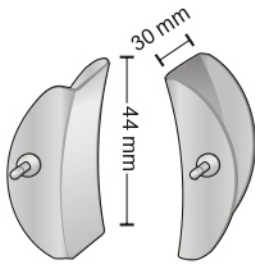


HS-9380-1

Completo con un paio di valve  
Complete with 1 pairs of blades  
Komplett mit 1 Paar Valven  
Complete avec 1 paires de valves  
Completo con 1 pares de valvas

HS-9380-2

Completo con due paia di valve  
Complete with 2 pairs of blades  
Komplett mit 2 paar valven  
Complete avec 2 paires de valves  
Completo con 2 pares de valvas



HS-9380-1 20x44 mm  
HS-9380-2 30x44 mm  
Valve laterali - paia  
Lateral blades - pairs  
Seitl. Blätter - paar  
Valves latérales - paires  
Valvas laterales - pares

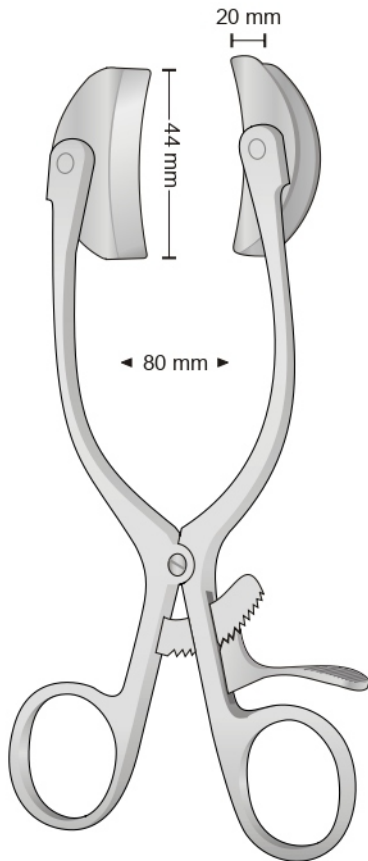
HS-9381-1

Completo con un paio di valve  
Complete with 1 pairs of blades  
Komplett mit 1 Paar Valven  
Complete avec 1 paires de valves  
Completo con 1 pares de valvas

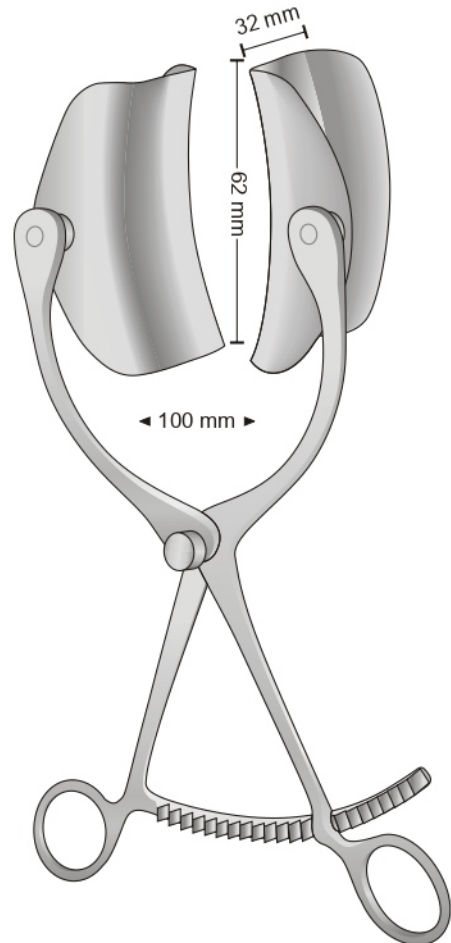
HS-9381-2  
Divaricatore solo  
Retractor only  
Sperrer allein  
Ecarteur seul  
Separador suelto

HS-9381-3

32x62 mm  
Valve laterali - paia  
Lateral blades - pairs  
Seitl.blätter - paar  
Valves latérales - paires  
Valvas laterales - pares



BABY-COLLIN  
HS-9380  
180 mm



COLLIN  
HS-9381  
220 mm

COLLIN  
HS-9382  
Completo - Complete  
Komplett - Complets - Completos  
09-1850-01-1850-02-1850-03

COLLIN  
HS-9383  
Completo - Complete  
Komplett - Complets - Completos  
09-1860-01-1860-02-1860-03

COLLIN  
HS-9384  
Completo - Complete  
Komplett - Complets - Completos  
09-1870-01-1870-02-1870-03

HS-9382-1  
Allargatore solo  
Spreader only  
Sperrer allein  
Ecarteur seul  
Separador suelto

HS-9383-1  
Allargatore solo  
Spreader only  
Sperrer allein  
Ecarteur seul  
Separador suelto

HS-9384-1  
Allargatore solo  
Spreader only  
Sperrer allein  
Ecarteur seul  
Separador suelto

HS-9382-2  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
55 x 55 mm

HS-9383-2  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
55 x 65 mm

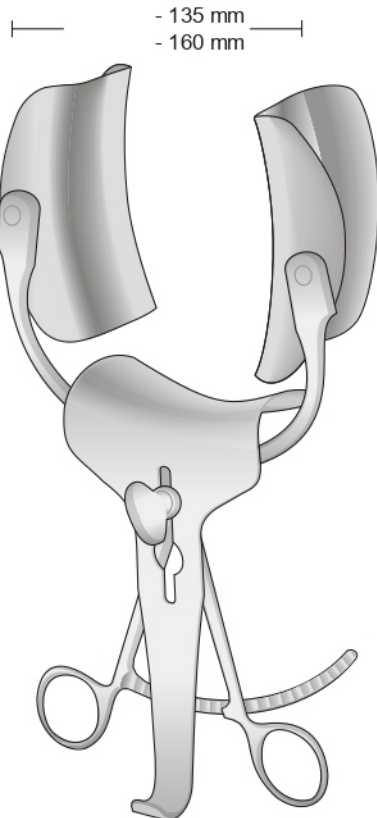
HS-9384-2  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
55 x 75 mm

HS-9382-3  
Valve laterali  
Lateral blades  
Seitliche Blätter  
Valves latérales  
Valvas laterales  
32 x 62 mm

HS-9383-3  
Valve laterali  
Lateral blade  
Seitliche Blätter  
Valves latérales  
Valvas laterales  
38 x 80 mm

HS-9384-3  
Valve laterali  
Lateral blade  
Seitliche Blätter  
Valves latérales  
Valvas laterales  
38 x 100 mm

Completo - Complete  
Komplett - Complets - Completos



Unità di vendita delle valve: paio  
Sales Unit of blades: pair  
Bestelleinheit der Blätter: Paar  
Unité de commande pour les valves: paire

COLLIN  
HS-9382 / HS-9383 / HS-9384



COLLIN  
HS-9385  
Completo - Complete  
Komplett - Complets - Completos  
HS-9385-1 / HS-9385-2 / HS-9385-3

COLLIN  
HS-9386  
Completo - Complete  
Komplett - Complets - Completos  
HS-9386-1 / HS-9386-2 / HS-9386-3

HS-9385-1  
Valve laterali  
Lateral blades  
Seitliche Blätter  
Valves latérales  
Valvas laterales  
50 x 58 mm

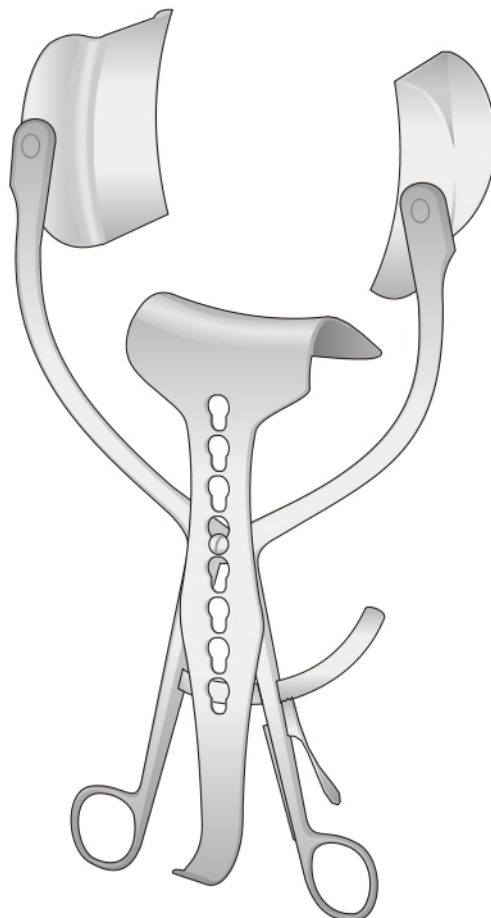
HS-9386-1  
Valve laterali  
Lateral blades  
Seitliche Blätter  
Valves latérales  
Valvas laterales  
62 x 80 mm

HS-9386-2  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
62 x 70 mm

HS-9386-3  
Allargatore solo  
Spreader only  
Sperrer allein  
Ecarteur seul  
Separador suelto

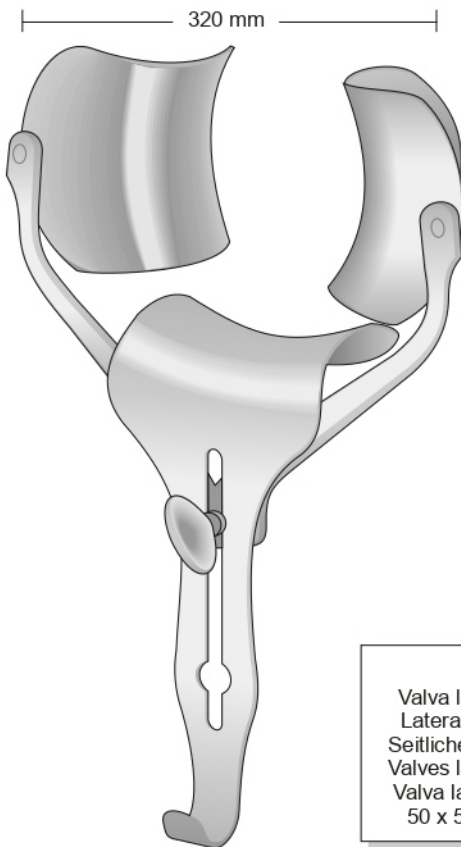
Completo - Complete  
Komplett - Complets - Completos

210 mm



Unità di vendita delle valve: paio  
Sales Unit of blades: pair  
Bestelleinheit der Blätter: Paar  
Unité de commande pour les valves: paire

COLLIN  
HS-9385 / HS-9386



RICARD  
HS-9387  
Completo - Complete  
Komplett - Complet - Completo

RICARD  
HS-9388  
Completo - Complete  
Komplett - Complet - Completo

HS-9387-1 / HS-9388-1  
Divaricatore solo  
Retractor only  
Sperrer allein  
Ecarteur seul  
Separador suelto

HS-9387-2  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
55 x 70 mm

HS-9388-2  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
80 x 90 mm

Valva laterale  
Lateral blade  
Seitliche Blätter  
Valves latérales  
Valva laterales  
50 x 58 mm

HS-9387-3  
Valva laterale  
Lateral blade  
Seitliche Blätter  
Valves latérales  
Valva laterales  
60 x 80 mm

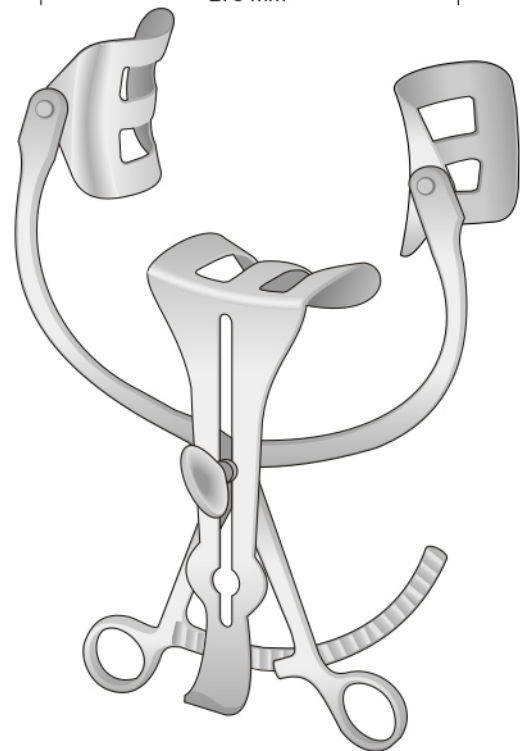
HS-9388-3  
Valva laterale  
Lateral blade  
Seitliche Blätter  
Valves latérales  
Valva laterales  
72 x 85 mm

RICARD  
HS-9387  
Completo - Complete  
Komplett - Complet - Completo  
HS-9388  
Completo - Complete  
Komplett - Complet - Completo

Completo - Complete  
Komplett - Complete - Completos

Unità di vendita delle valve: paio  
Sales Unit of blades: pair  
Bestelleinheit der Blätter: Paar  
Unité de commande pour les valves: paire

275 mm



HS-9389-1  
Divaricatore solo  
Retractor only  
Sperrer allein  
Ecarteur seul  
Separador suelto

HS-9389-2  
59 x 80 mm  
Valve laterali  
Lateral blades  
Seitliche Blätter  
Valves latérales  
Valvas laterales

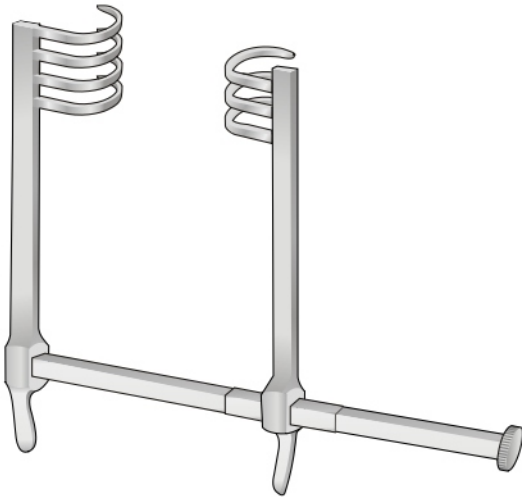
HS-9389-3  
74 x 82 mm  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central

HOLZBACH  
HS-9389

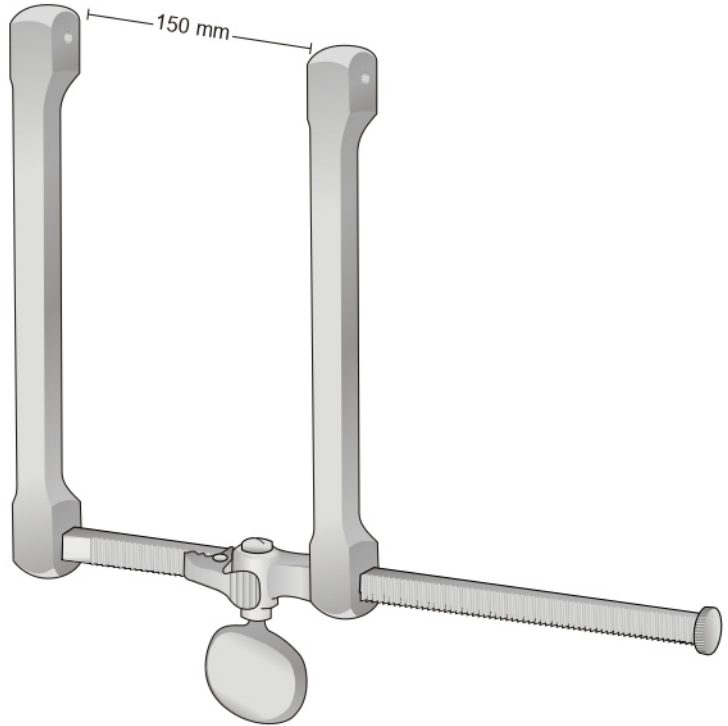


**Retractors**

Strumento solo, senza valve  
Frame only - Instrumente allein, ohne Blätter  
Cadre seul - Cuadro solo

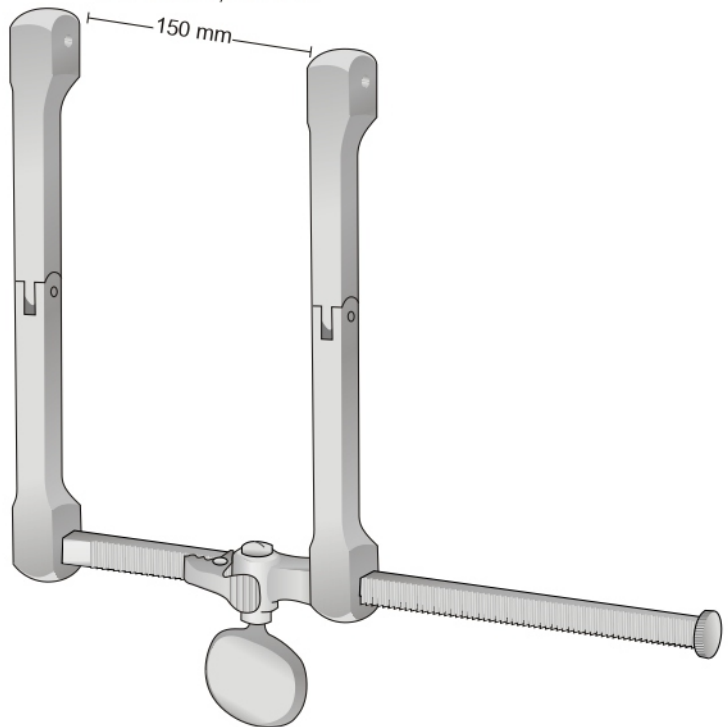


FRAZIER  
HS-9390



SCOVILLE  
HS-9391

Strumento solo, senza valve  
Frame only, without blade  
Instrumente allein, ohne Blätter  
Cadre seul, sans valves  
Cuadro solo, no valvas



SCOVILLE-HAVERFIELD  
HS-9392

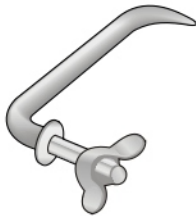


Acuto  
Scharp  
Spitz  
Pointù  
Agudo



SCOVILLE  
HS-9393-1  
50 mm

Acuto  
Scharp  
Spitz  
Pointù  
Agudo



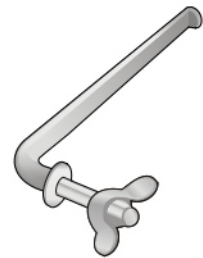
SCOVILLE  
HS-9393-2  
70 mm

Smusso  
Blunt  
Stumpf  
Mousse  
Romo

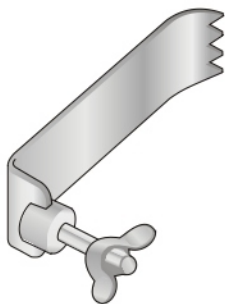


SCOVILLE  
HS-9394-1  
50 mm

Smusso  
Blunt  
Stumpf  
Mousse  
Romo

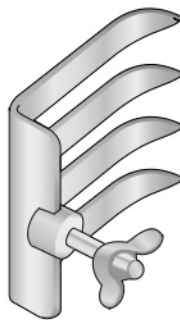


SCOVILLE  
HS-9394-2  
70 mm



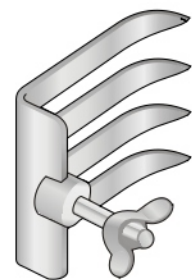
SCOVILLE

HS-9395-1	50x25 mm
HS-9395-2	50x50 mm
HS-9395-3	57x38 mm
HS-9395-4	64x25 mm
HS-9395-5	64x50 mm
HS-9395-6	67x30 mm
HS-9395-7	75x25 mm
HS-9395-8	75x50 mm
HS-9395-9	88x25 mm
HS-9395-10	100x50 mm



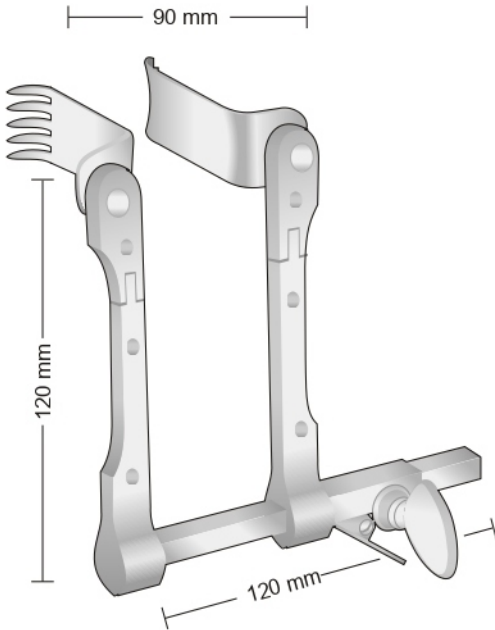
TAYLOR

HS-9396-1	48x50 mm
HS-9396-2	64x50 mm
HS-9396-3	64x64 mm
HS-9396-4	80x57 mm



SCOVILLE

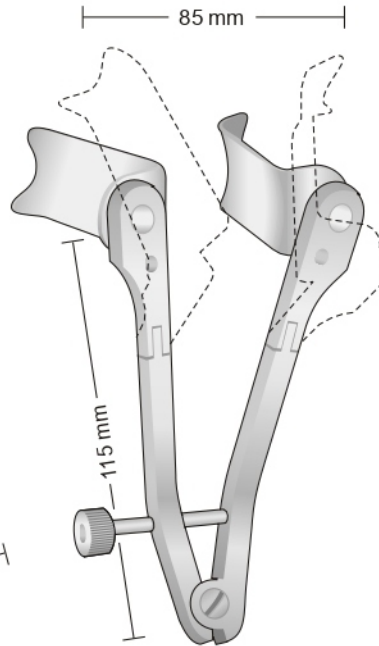
HS-9397-1	41x38 mm
HS-9397-2	67x44 mm



CASPAR  
HS-9398-1

Completo con 5 + 5 valve  
Complete with 5 + 5 blade  
Komplett mit 5 + 5 Blätter  
Complet avec 5 + 5 valves  
Completo con 5 + 5 valvas

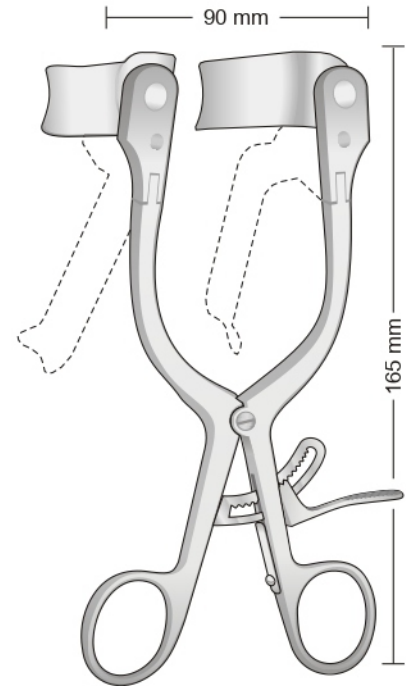
HS-9398-2  
Divaricatore solo  
Retractor only  
Sperrer allein  
Ecarteur seul  
Separador suelto



CASPAR  
HS-9399-1

Completo con 5 valve  
Complete with 5 blade  
Komplett mit 5 Blätter  
Complet : 5 valves  
Completc 5 valvas

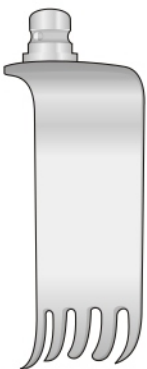
HS-9399-2  
Divaricatore solo  
Retractor only  
Sperrer allein  
Ecarteur seul  
Separador suelto



CASPAR  
HS-9400-1

Completo con 5 valve  
Complete with 5 blade  
Komplett mit 5 Blätter  
Complet avec 5 valves  
Completo con 5 valvas

HS-9400-2  
Divaricatore solo  
Retractor only  
Sperrer allein  
Ecarteur seul  
Separador suelto



HS-9401-1  
40 x 23 mm  
HS-9401-2  
45 x 23 mm  
HS-9401-3  
50 x 23 mm  
HS-9401-4  
55 x 23 mm  
HS-9401-5  
60 x 23 mm



HS-9402-1  
40 x 23 mm  
HS-9402-2  
45 x 23 mm  
HS-9402-3  
50 x 23 mm  
HS-9402-4  
55 x 23 mm  
HS-9402-5  
60 x 23 mm



HS-9403-1  
45 x 23 mm  
HS-9403-2  
50 x 23 mm  
HS-9403-3  
55 x 23 mm  
HS-9403-4  
60 x 23 mm  
HS-9403-5  
65 x 23 mm



HS-9404-1  
50 x 25 mm  
HS-9404-2  
60 x 25 mm

Valve in titanio  
Titanium blades  
Titan-valven  
Valves en titane  
Valvas in titanio



HS-9405-1	25 x 24 mm
HS-9405-2	30 x 24 mm
HS-9405-3	35 x 24 mm
HS-9405-4	40 x 24 mm
HS-9405-5	45 x 24 mm
HS-9405-6	25 x 24 mm
HS-9405-7	30 x 24 mm
HS-9405-8	35 x 24 mm
HS-9405-9	40 x 24 mm
HS-9405-10	45 x 24 mm



HS-9406-1	25 x 24 mm
HS-9406-2	30 x 24 mm
HS-9406-3	35 x 24 mm
HS-9406-4	40 x 24 mm
HS-9406-5	45 x 24 mm
HS-9406-6	50 x 24 mm
HS-9406-7	55 x 24 mm
HS-9406-8	60 x 24 mm
HS-9406-9	65 x 24 mm
HS-9406-10	70 x 24 mm

Pinzetta per la sostituzione delle valve  
con i bloccaggi rapidi a sfera  
Blade ejector for changing the blades  
with ball snap closure  
Pinzette zum wechseln der valven  
mit kugelschnellverschluss  
Pincettes pour changer les valves munies  
du système de verrouillage rapide à billes



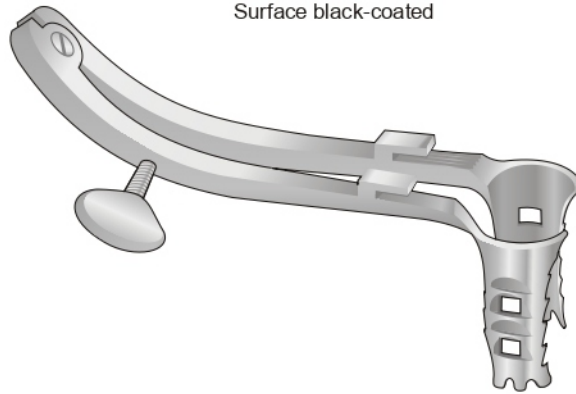
HS-9406-1	30 x 24 mm
HS-9406-2	35 x 24 mm
HS-9406-3	40 x 24 mm
HS-9406-4	45 x 24 mm
HS-9406-5	50 x 24 mm
HS-9406-6	55 x 24 mm
HS-9406-7	60 x 24 mm
HS-9406-8	65 x 24 mm
HS-9406-9	70 x 24 mm
HS-9406-10	75 x 24 mm



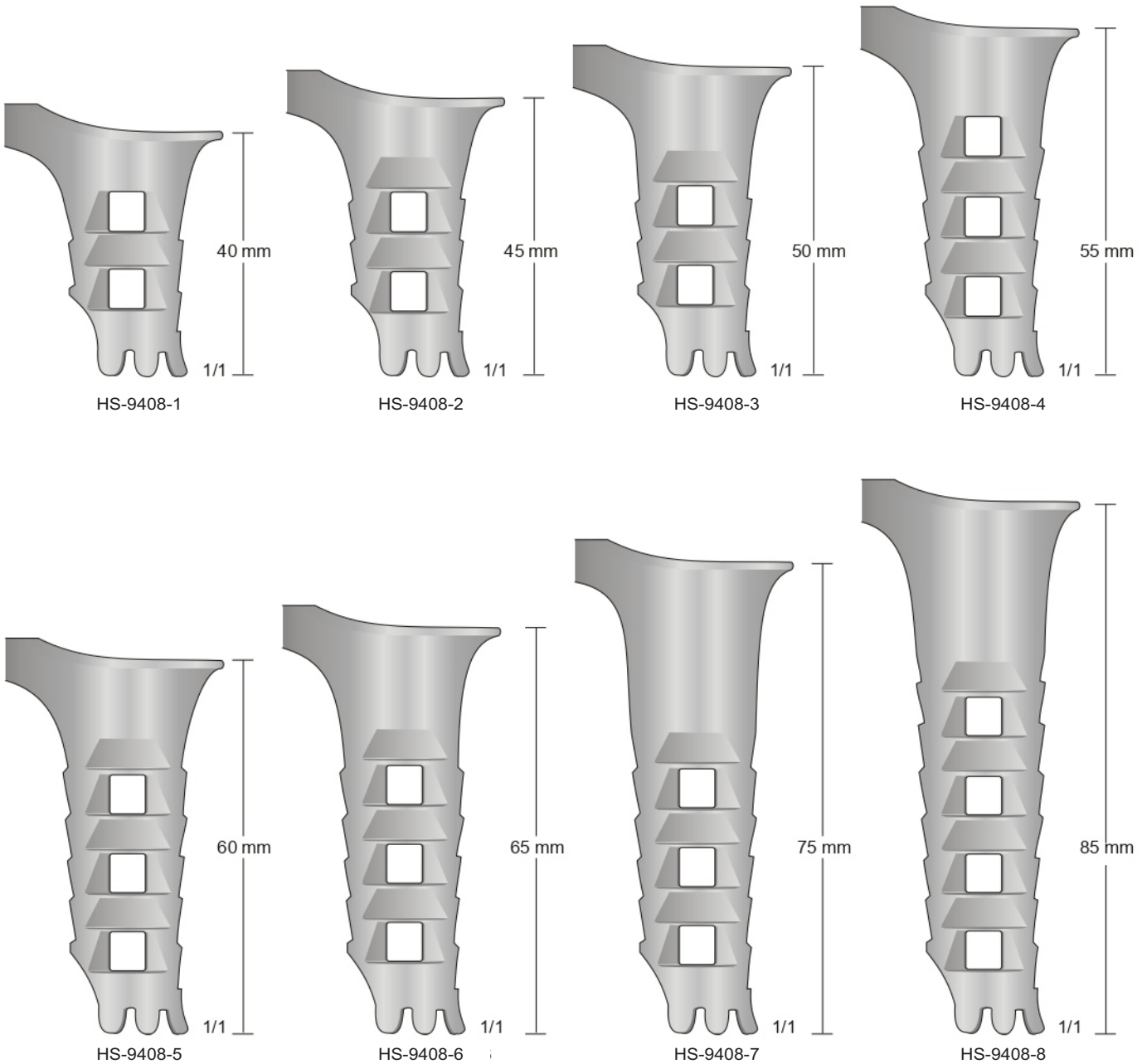
HS-9407  
115 mm

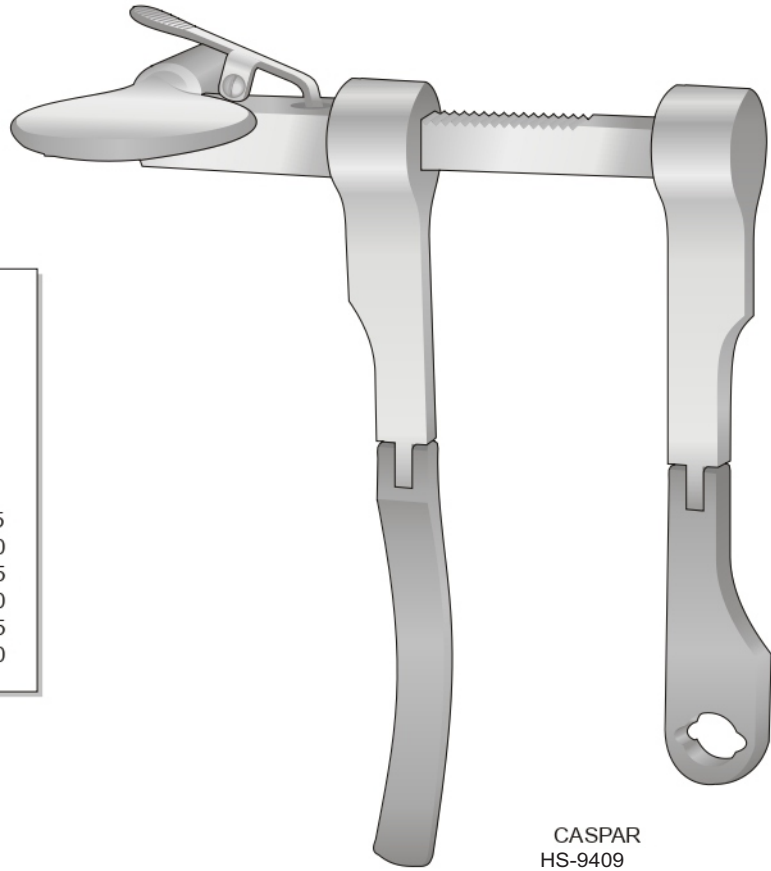


Oberfläche schwarz beschichtet  
Surface black-coated



CASPAR  
HS-9408





CASPAR  
HS-9410

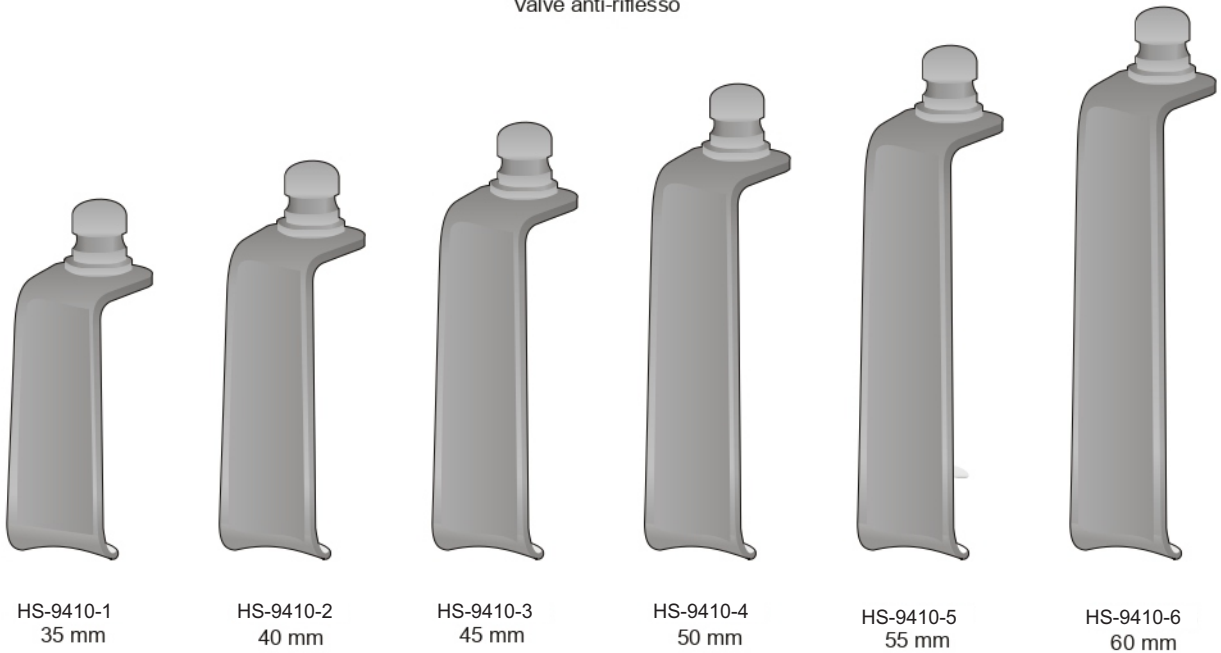
Divaricatore completo di  
Retractor complete with  
Sperrer komplett mit  
Ecarteur complet avec  
Separador completo con

HS-9410-1 Valva anti-riflesso mm. 35  
HS-9410-2 Valva anti-riflesso mm. 40  
HS-9410-3 Valva anti-riflesso mm. 45  
HS-9410-4 Valva anti-riflesso mm. 50  
HS-9410-5 Valva anti-riflesso mm. 55  
HS-9410-6 Valva anti-riflesso mm. 60

HS-9409  
Divaricatore solo  
Retractor only  
Sperrer allein  
Ecarteur seul  
Separador suelto

CASPAR  
HS-9409

Valve anti-riflesso



HS-9410-1  
35 mm

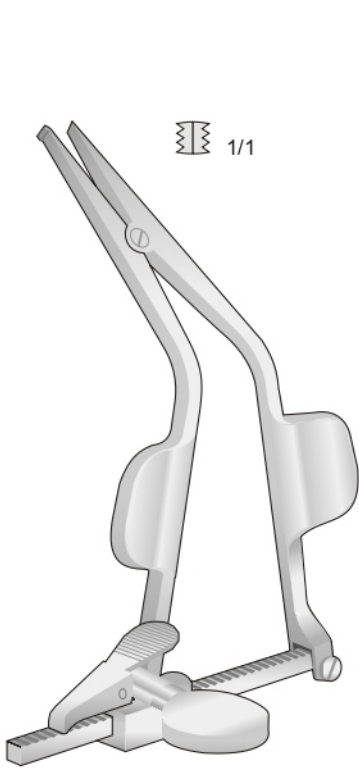
HS-9410-2  
40 mm

HS-9410-3  
45 mm

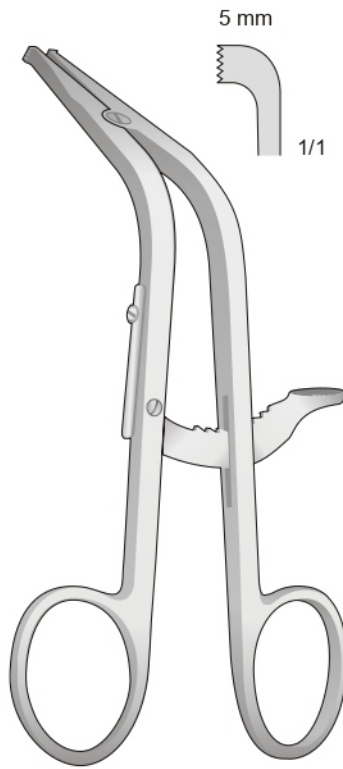
HS-9410-4  
50 mm

HS-9410-5  
55 mm

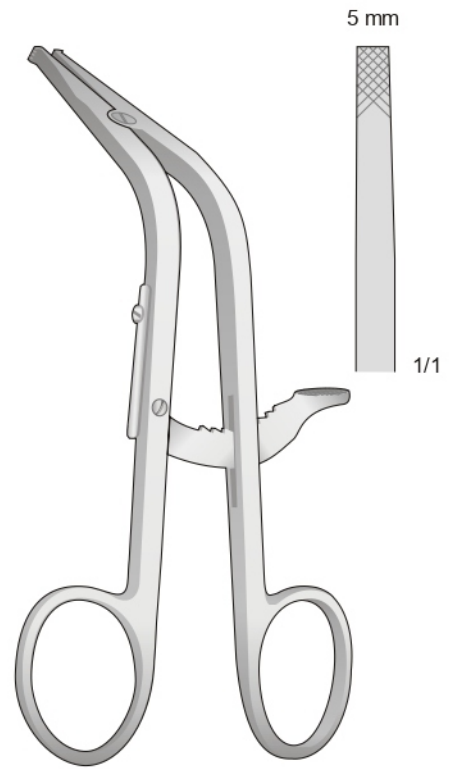
HS-9410-6  
60 mm



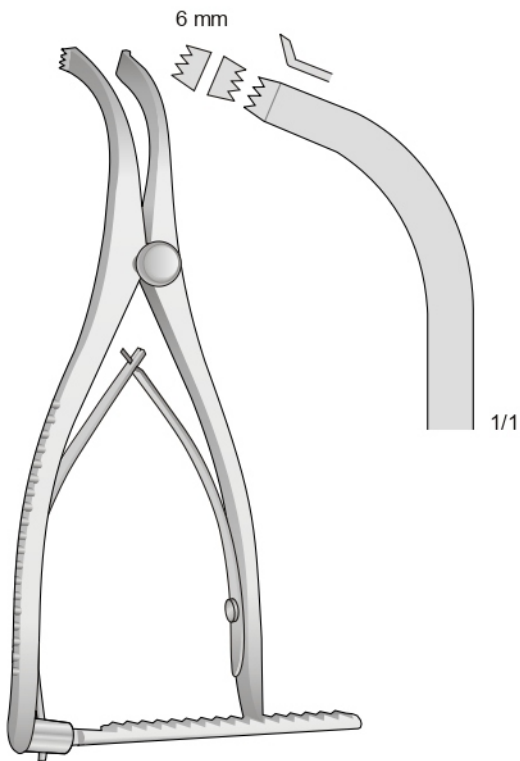
CLOWARD  
 HS-9411  
 150 mm



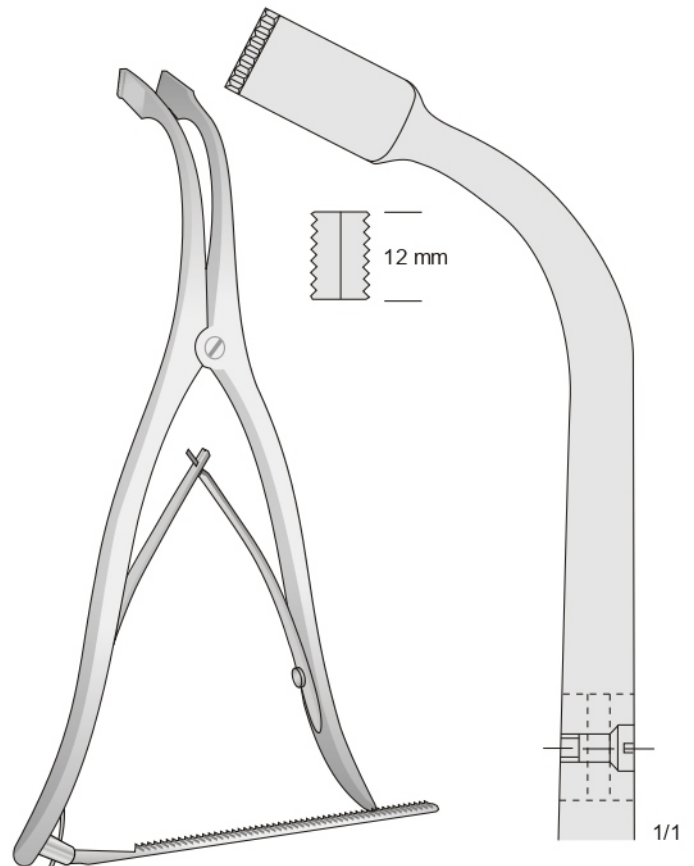
CLOWARD  
 HS-9412  
 160 mm



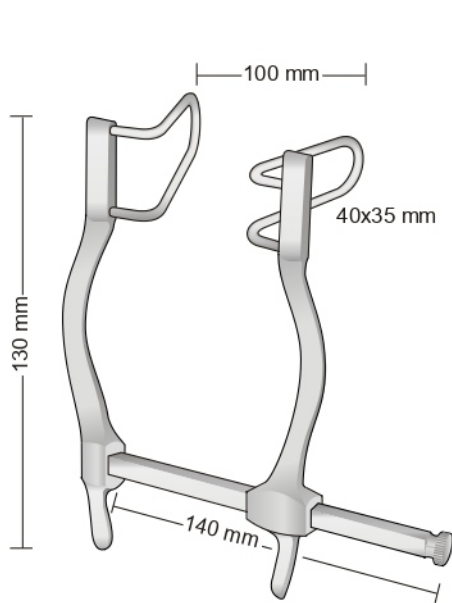
CLOWARD  
 HS-9413  
 160 mm



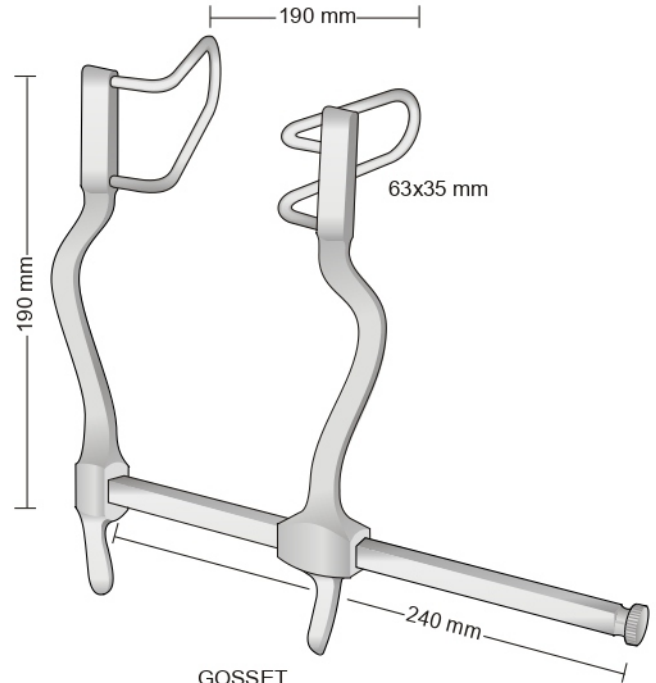
INGE  
 HS-9414  
 160 mm



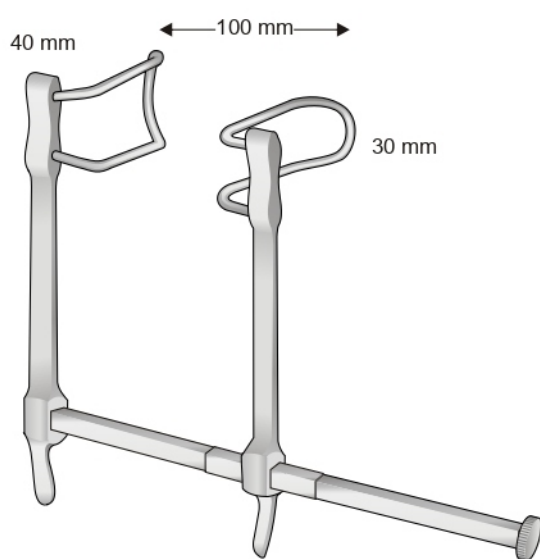
INGE  
 HS-9415  
 275 mm



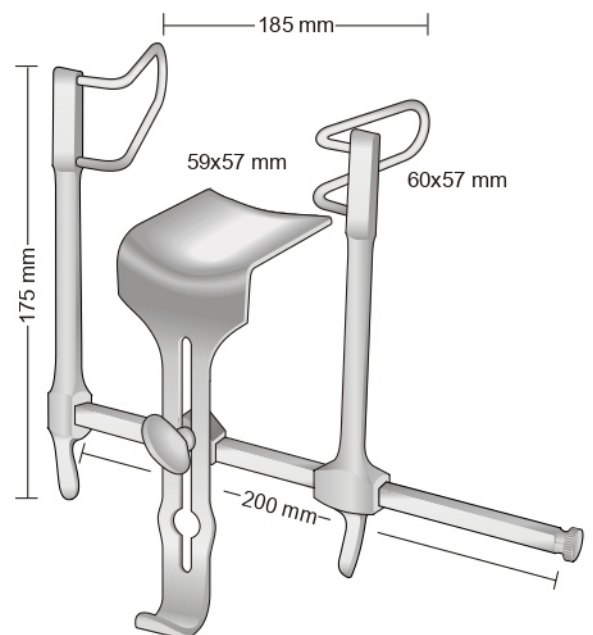
GOSSET  
HS-9416



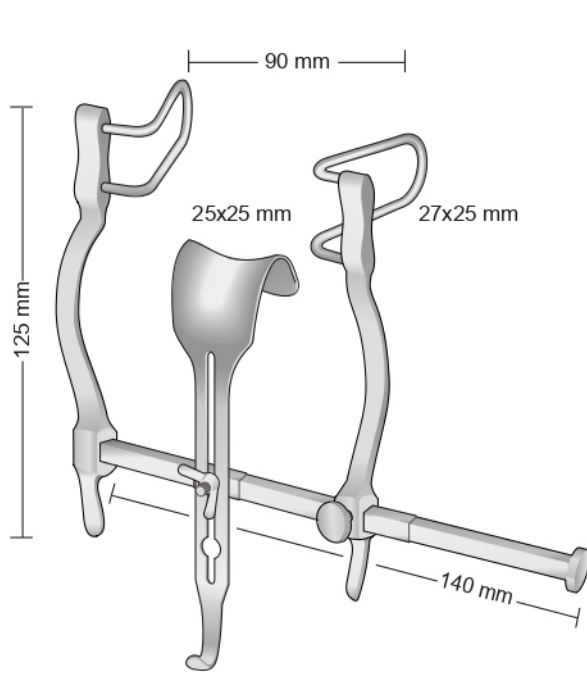
GOSSET  
HS-9417



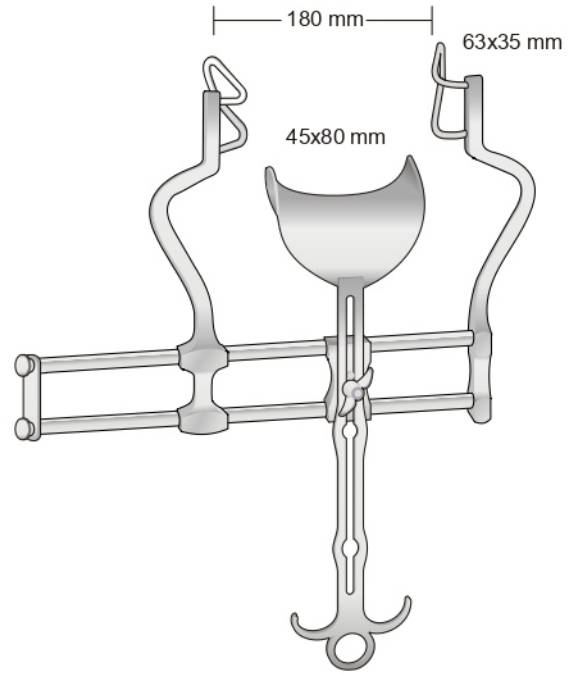
GOSSET  
HS-9418



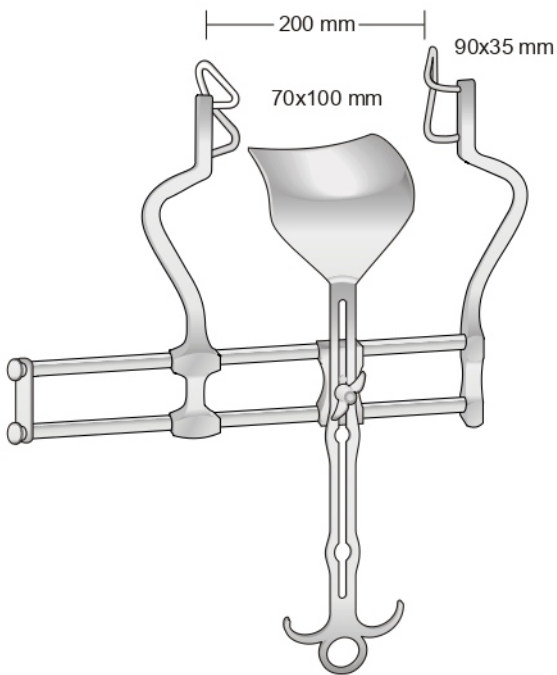
GOSSET  
HS-9419



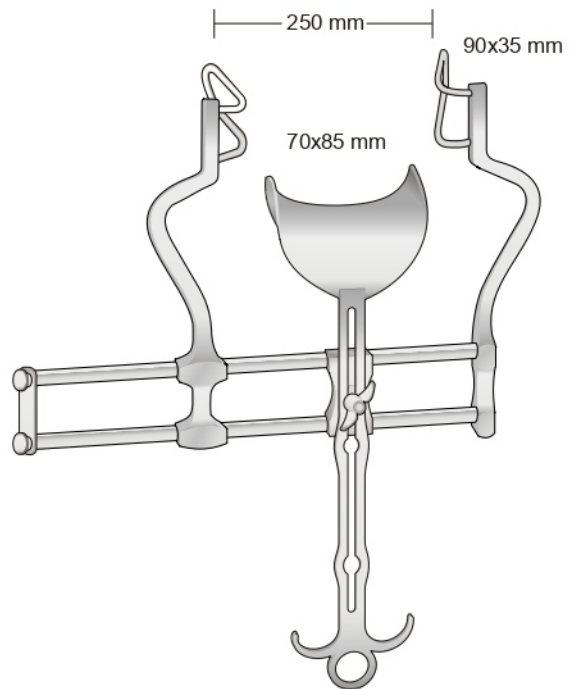
BALFOUR-BABY  
HS-9420



BALFOUR  
HS-9421



BALFOUR  
HS-9422

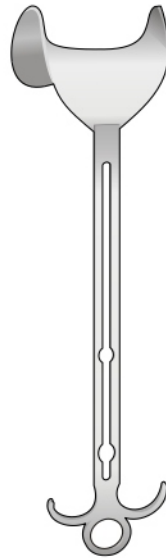


BALFOUR  
HS-9423



**Retractors**

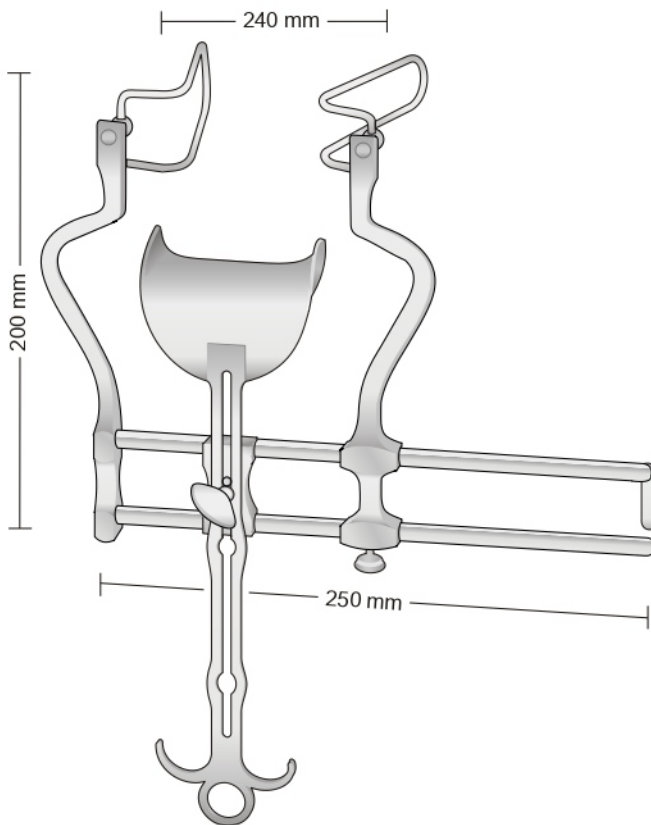
Valva centrale - Center blade  
Mittelblatt - Valve centrale - Valva central



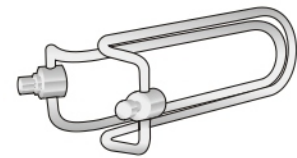
BALFOUR  
HS-9425  
45 x 80 mm

Valve laterali - paio  
Lateral blades - pair  
Seitliche Blätter - Paar  
Valves latérales - paires  
Valvas laterales - pares

HS-9424-1  
Completo con:  
Complete with:  
Komplett mit:  
Complet avec:  
Completo con:



BALFOUR  
HS-9424



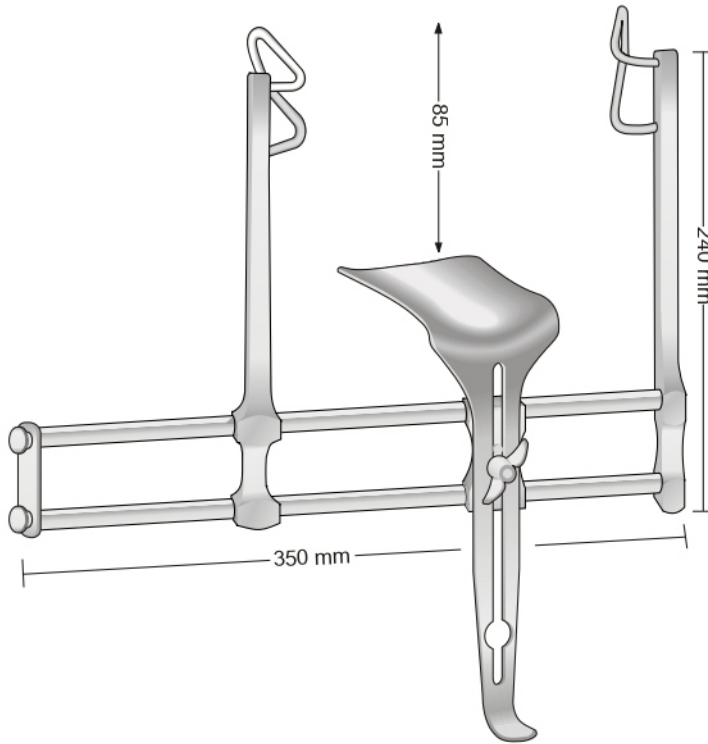
HS-9426-1 - 50 mm  
HS-9426-2 - 60 mm  
HS-9426-3 - 75 mm  
HS-9426-4 - 90 mm

HS-9424-2  
BALFOUR  
Divaricatore solo  
Retractor only  
Sperrer allein  
Ecarteur seul  
Separador suelto

HS-9424-1  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
45 x 80 mm

HS-9424-3  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
60 x 80 mm

HS-9424-4  
Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central  
80 x 80 mm



BALFOUR MODIF.  
HS-9427

45 X 85 mm



HS-9427-1  
170 mm

75 X 65 mm

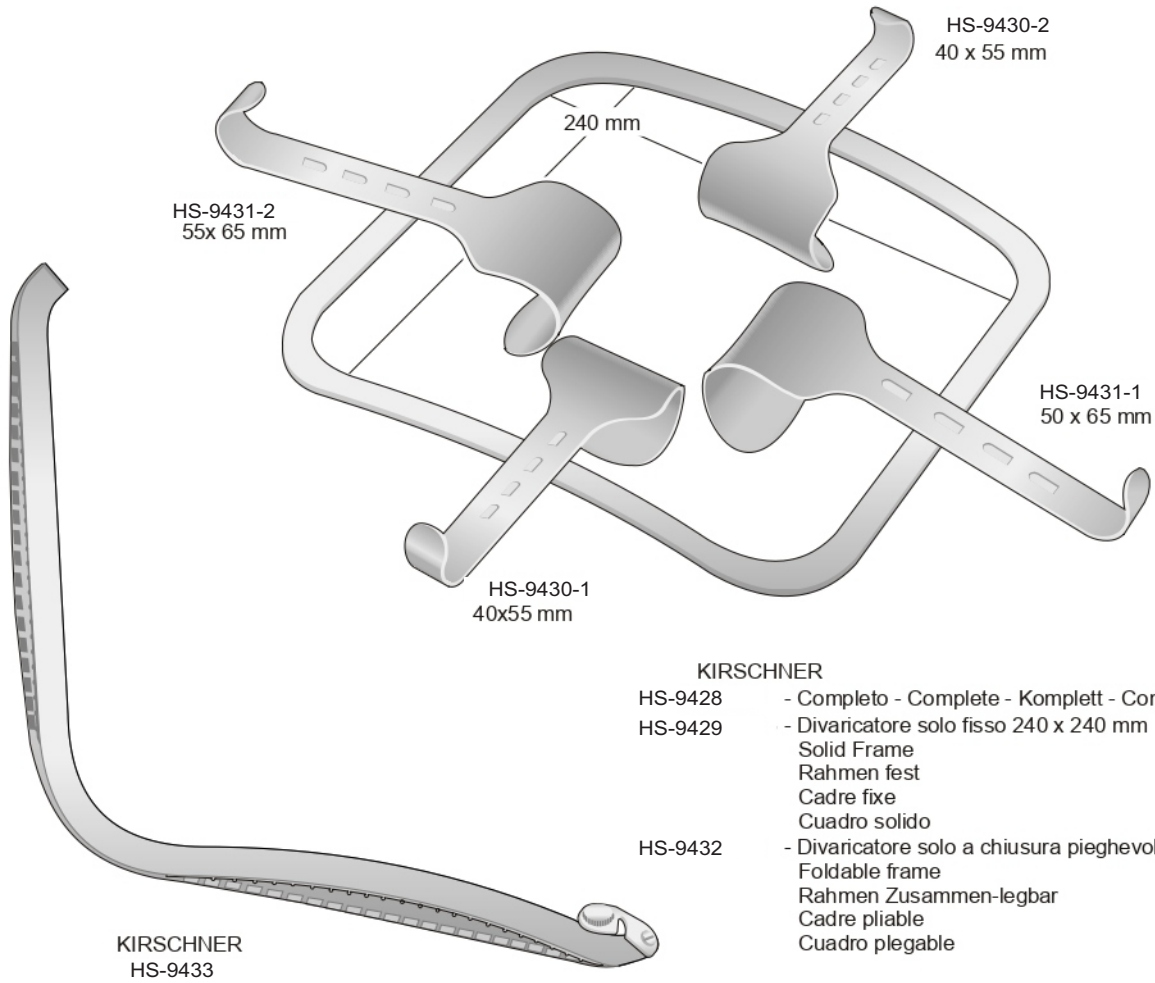


HS-9427-2  
230 mm

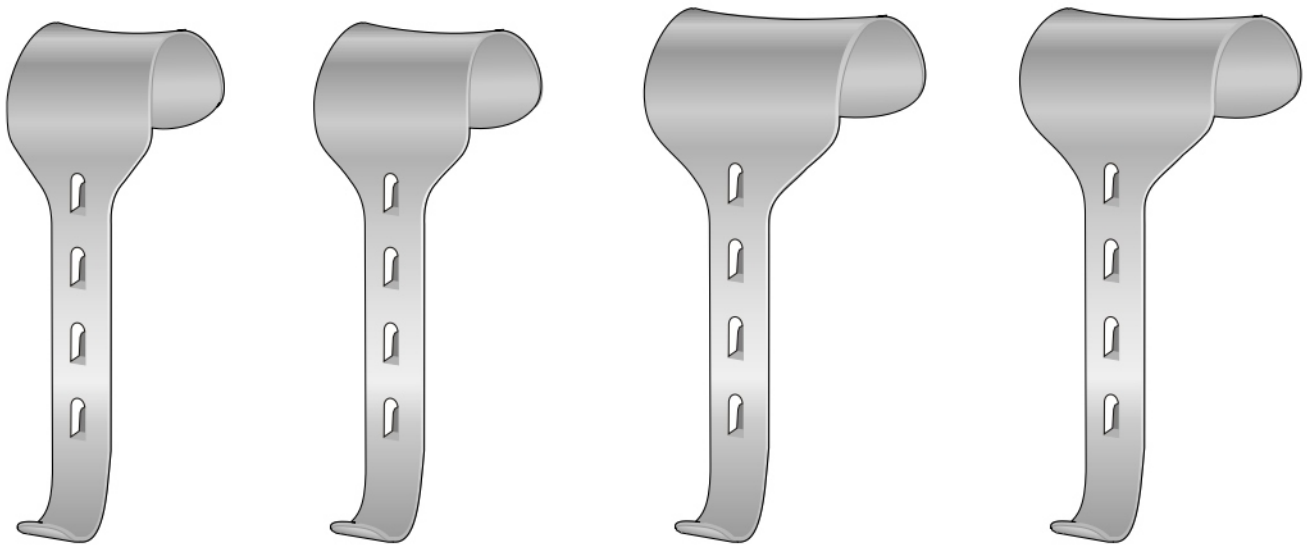
70 X 100 mm



HS-9427-3  
200 mm

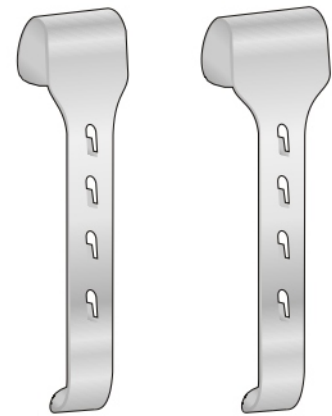
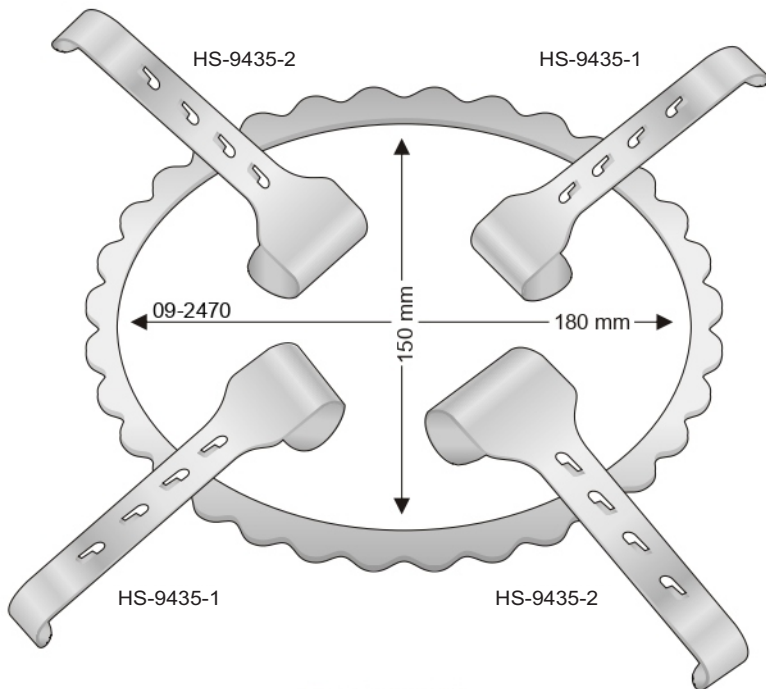


- KIRSCHNER**
- HS-9428 - Completo - Complete - Komplett - Complet - Completo
  - HS-9429 - Divaricatore solo fisso 240 x 240 mm  
Solid Frame  
Rahmen fest  
Cadre fixe  
Cuadro solido
  - HS-9432 - Divaricatore solo a chiusura pieghevole 240 x 240 mm  
Foldable frame  
Rahmen Zusammen-legbar  
Cadre pliable  
Cuadro plegable



- |                                      |   |   |   |
|--------------------------------------|---|---|---|
| KIRSCHNER<br>HS-9434-1<br>40 x 55 mm | KIRSCHNER<br>HS-9434-2 - 65 x 80 mm<br>HS-9434-3 - 50 x 65 mm | KIRSCHNER<br>HS-9434-4 - 60 x 85 mm<br>HS-9434-5 - 78 x 65 mm<br>HS-9434-6 - 90 x 65 mm | KIRSCHNER<br>HS-9434-7 - 80 x 80 mm<br>HS-9434-8 - 80 x 90 mm<br>HS-9434-9 - 90 x 90 mm |
|--------------------------------------|---|---|---|





HS-9435-3  
20 x 30 mm

HS-9435-4  
20 x 40 mm

**DENIS-BROWNE**  
HS-9436

Set completo per bambini  
Set complete for children  
Komplettsset für kinder  
Set complete pour enfants  
Set completo para niños

- HS-9435 - 1 Cornice 180 x 150 mm
- HS-9435-3 - 2 Valve 20 x 30 mm
- HS-9435-4 - 2 Valve 20 x 40 mm

HS-9435  
180 x 150 mm  
Cornice sola  
Frame only  
Rahmen allein  
Ecarteur seul  
Separador suelto

Per bambini - For children  
Für kinder - Pour enfants  
Para niños

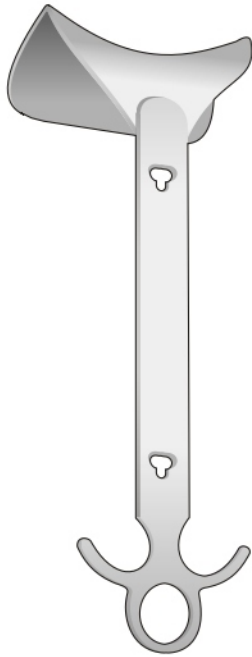
**DENIS-BROWNE**  
HS-9437

Set completo per adulti  
Set complete for adults  
Komplettsset für Erwachsene  
Set complete pour adultes  
Set completo para adultos

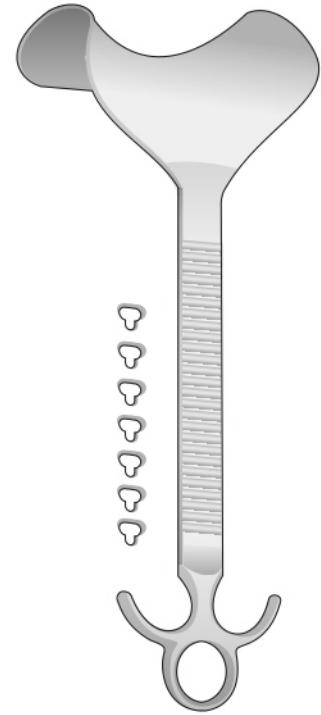
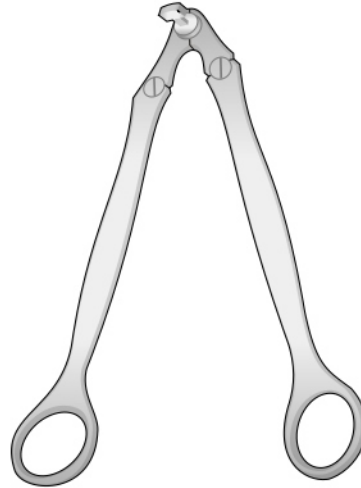
- HS-9438 - 1 Cornice 255 x 180 mm
- HS-9438-1 - 2 Valve 40 x 30 mm
- HS-9438-2 - 2 Valve 40 x 40 mm

HS-9438  
255 x 180 mm  
Cornice sola  
Frame only  
Rahmen allein  
Ecarteur seul  
Separador suelto

Per adulti - For adults  
Für erwachsene - Pour adultes  
Para adultos



Dispositivo di fissaggio  
Fixation device  
Fixiervorrichtung  
Dispositif de fixation articulé  
Dispositivo de fijación



**ROCHARD**

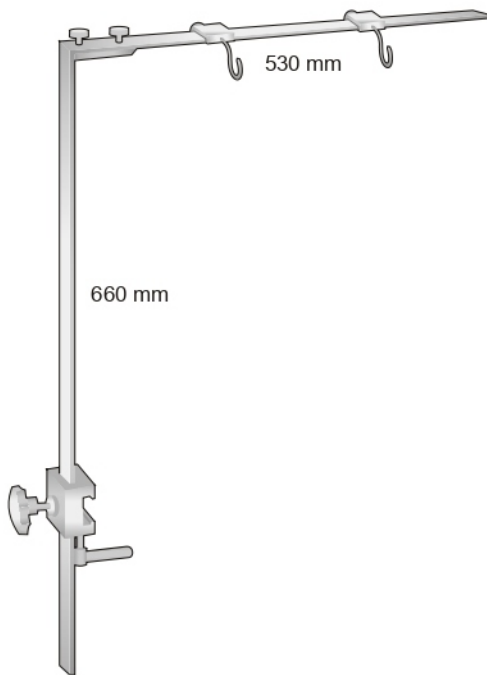
- HS-9439-1 - 60 x 95 mm
- HS-9439-2 - 60 x 105 mm
- HS-9439-3 - 60 x 120 mm
- HS-9439-4 - 60 x 135 mm
- HS-9439-5 - 60 x 155 mm
- 270 mm

**ROCHARD**

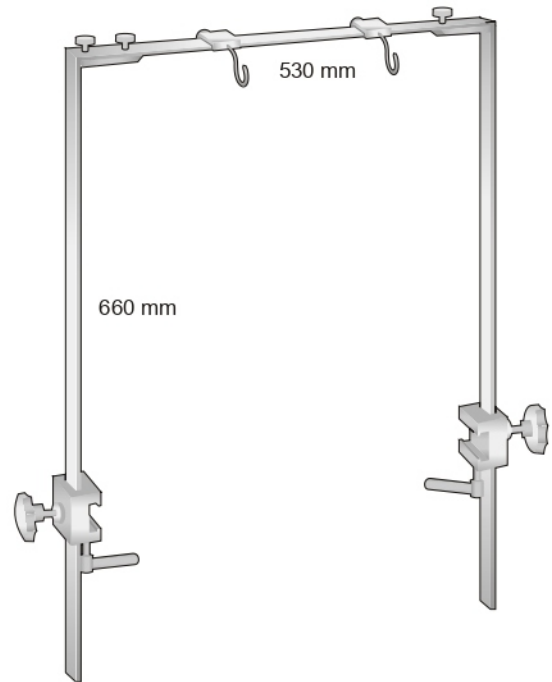
- HS-9440
- 190 mm

**DOYEN**

- HS-9441-1 - 50 x 85 mm
- HS-9441-2 - 48 x 90 mm
- HS-9441-3 - 48 x 105 mm
- HS-9441-4 - 48 x 120 mm
- HS-9441-5 - 48 x 135 mm
- 280 mm



ROCHARD  
HS-9442-1



ROCHARD  
HS-9442-2



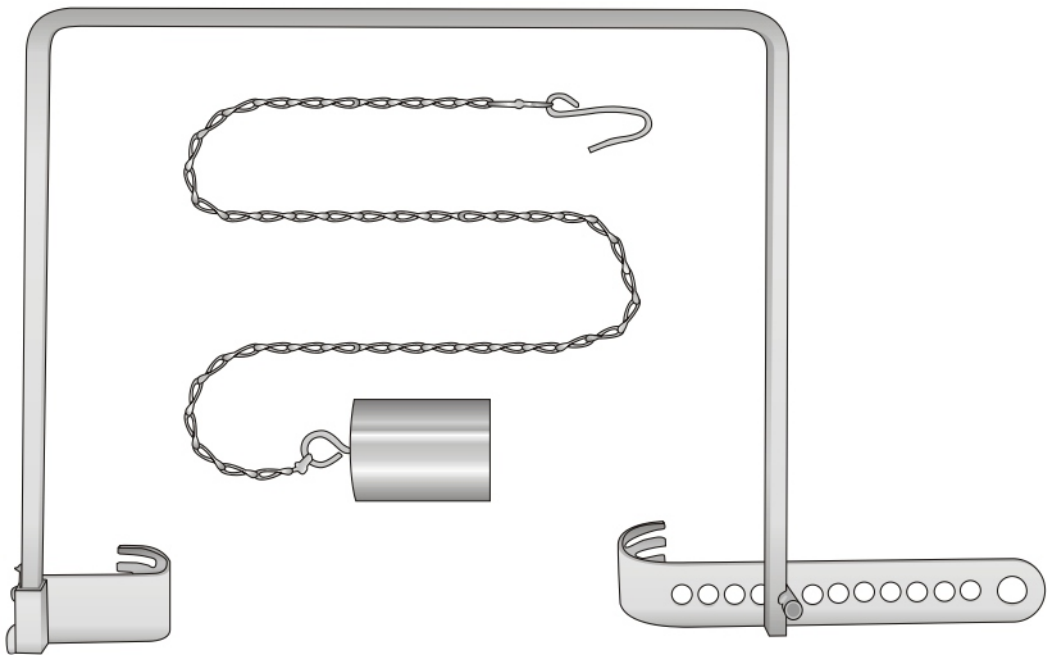
HS-9443-1  
Valva regolabile  
Large blade

HS-9443-2  
Valva piccola  
Small blade

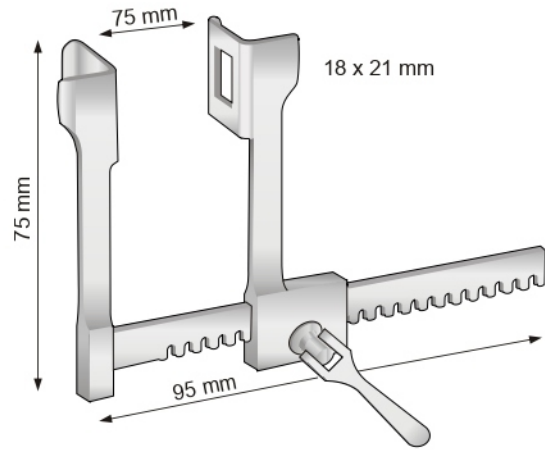
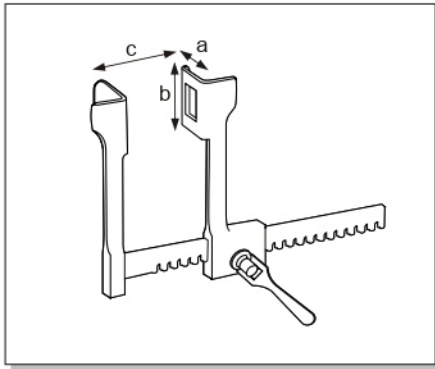
HS-9443-3  
Contrappeso + catenella  
Weight with chain

Divaricatore per anca  
Retractor with chain  
Wundhaken mit Kette

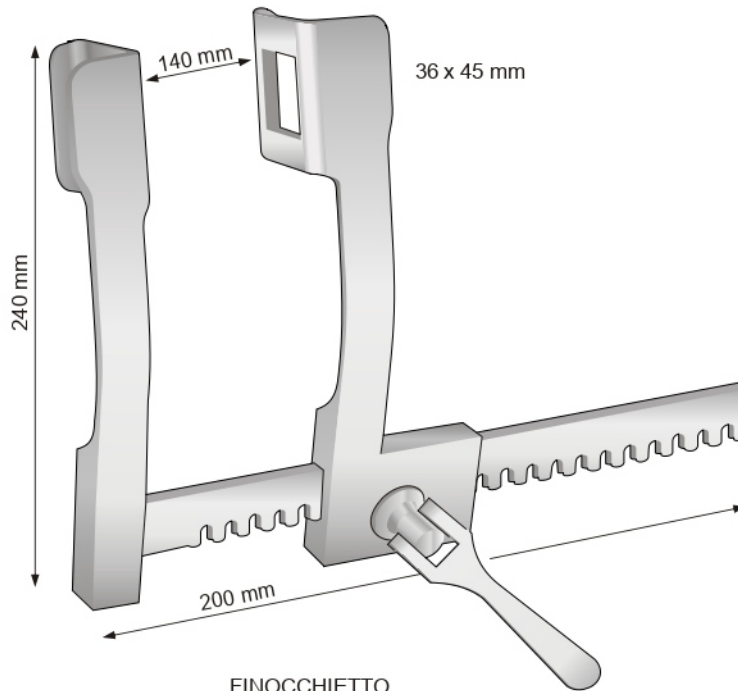
Completo - Complete - Komplet  
Complete - Completos



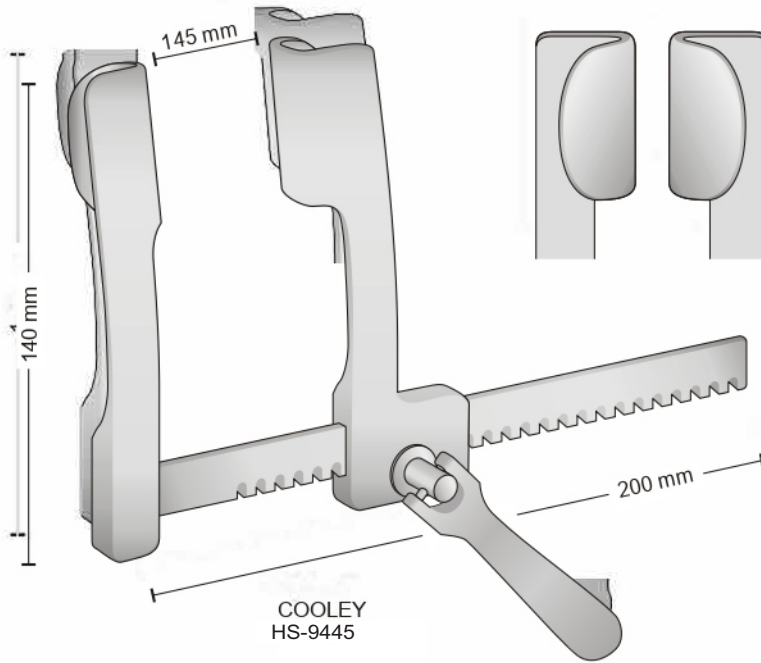
CHARNELY  
HS-9443



**BABY FINOCCHIETTO**  
a b c  
HS-9444 18 x 20 mm 75 mm

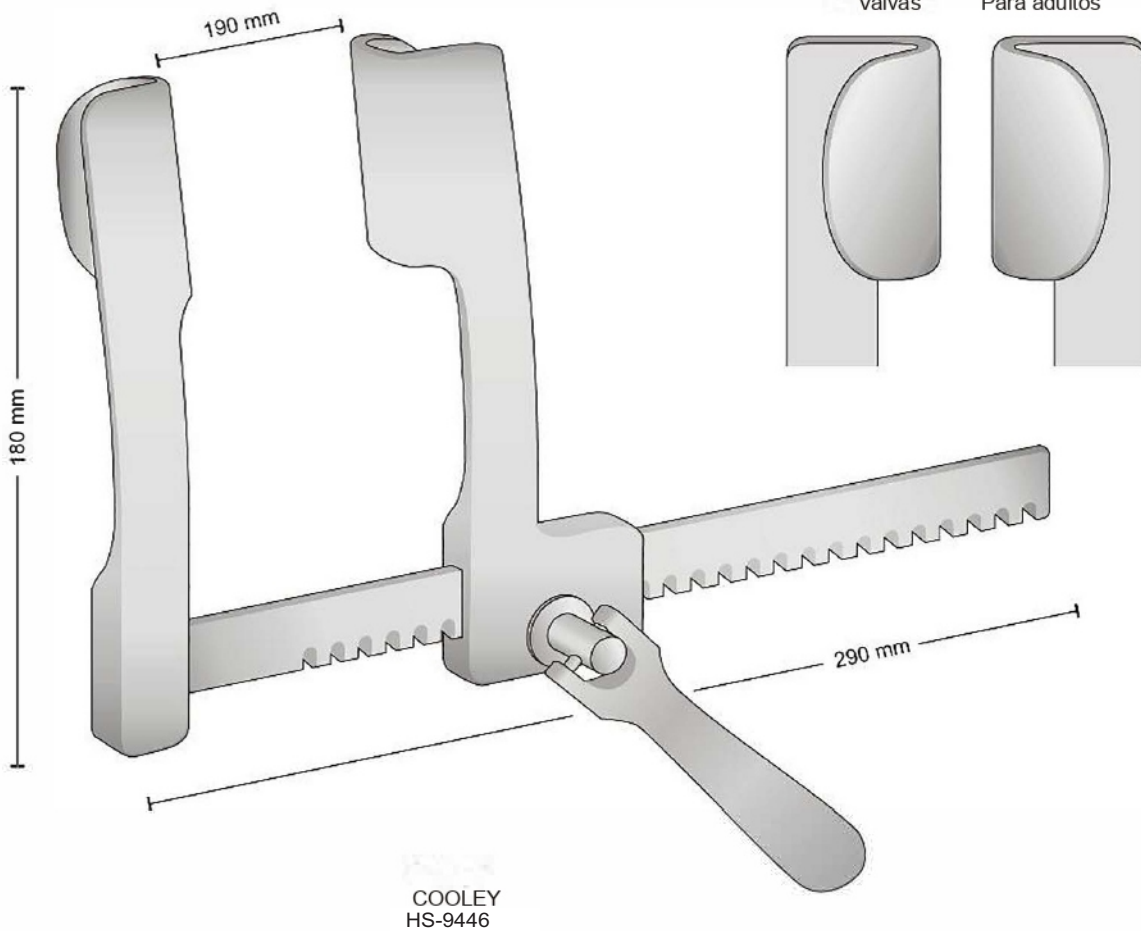


**FINOCCHIETTO**  
a b c  
HS-9444-1 40 x 40 mm 165 mm  
HS-9444-2 45 x 65 mm 200 mm  
HS-9444-3 70 x 65 mm 250 mm



Valve  
Blades  
Blätter  
Valves  
Valvas  
21 x 45 mm

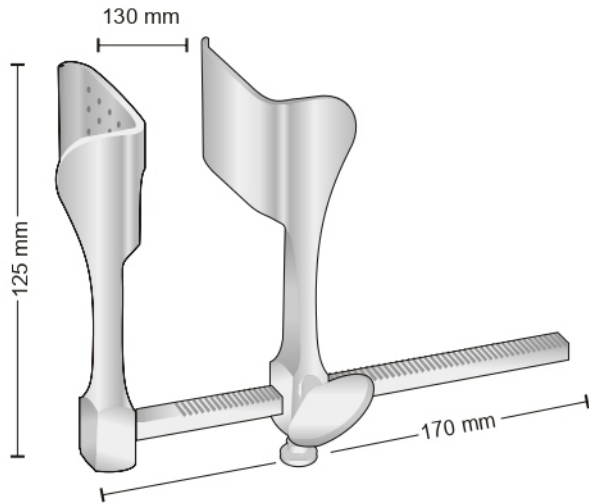
Per bambini  
For children  
Für kinder  
Pour enfants  
Para niños



Valve  
Blades  
Blätter  
Valves  
Valvas

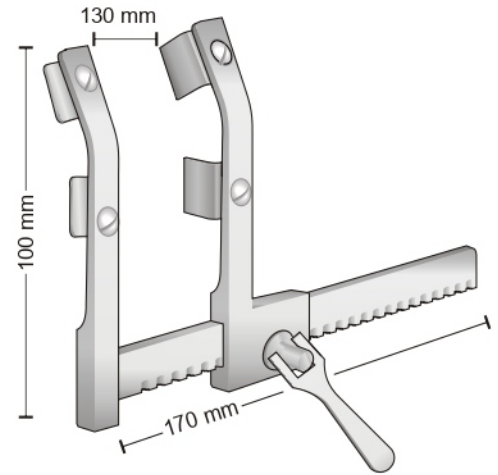
Per adulti  
For adults  
Für Erwachsene  
Pour adultes  
Para adultos

Valve - Blade - Blätter  
 Valve - Valvas  
 50 x 43 mm



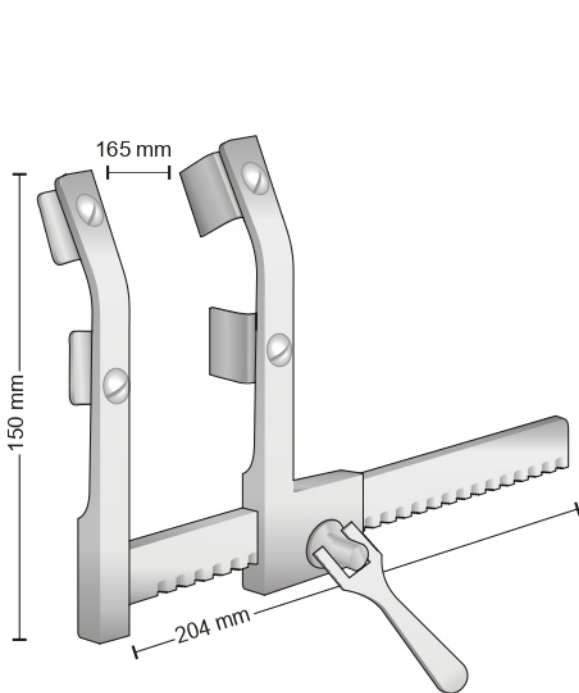
**TUFFIER**  
 HS-9447

Divaricatori per sternotomia  
 Sternotomy spreaders  
 Sternotomie-Sperrer  
 Ecarteurs à sternotomie  
 Separador para sternotomia

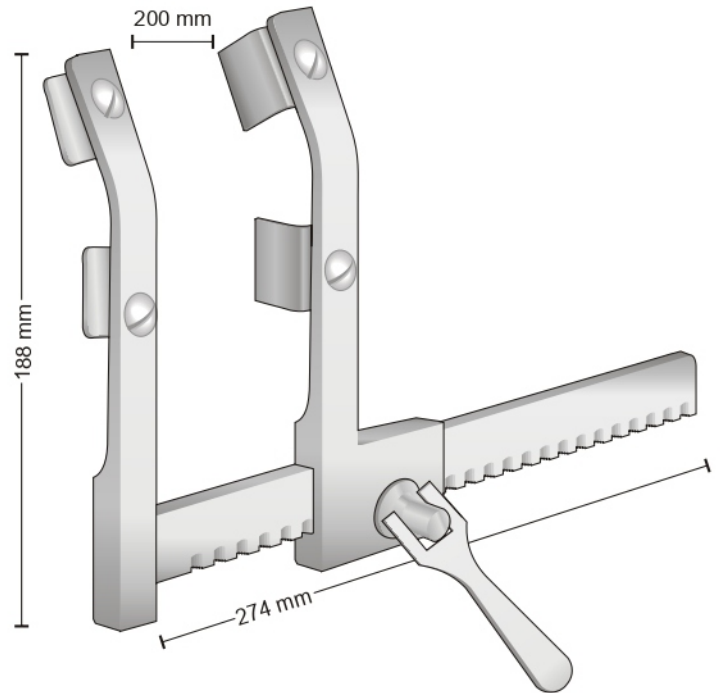


**BABY-MORSE**  
 HS-9448

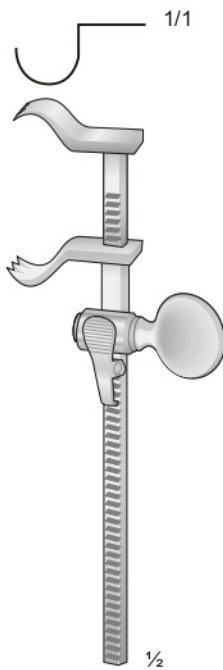
Divaricatori per sternotomia - Sternotomy spreaders - Sternotomie-Sperrer  
 Ecarteurs à sternotomie - Separador para sternotomia



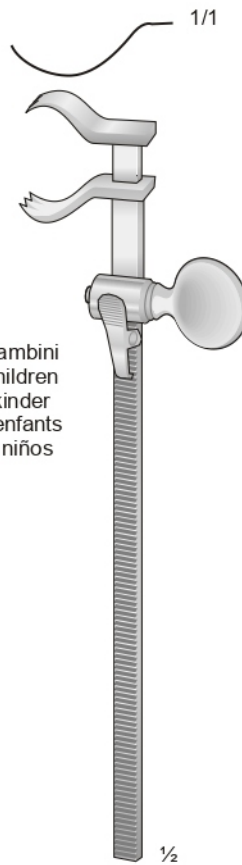
**MORSE**  
 HS-9449



**MORSE**  
 HS-9450

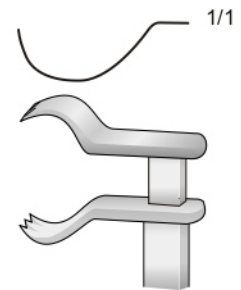


BAILEY  
HS-9451  
160 mm



Per bambini  
For children  
Für kinder  
Pour enfants  
Para niños

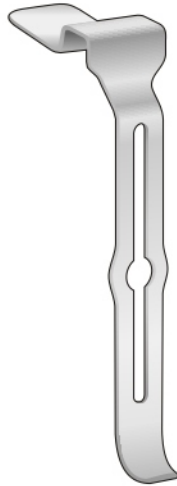
BAILEY  
HS-9452  
200 mm



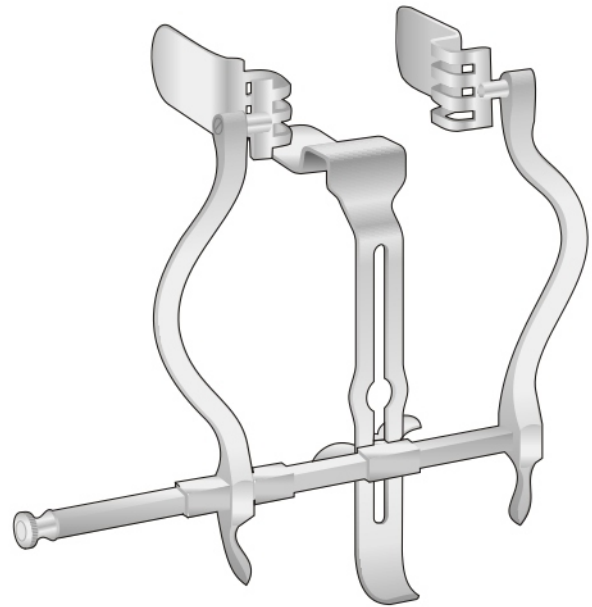
HS-9453  
Per adulti  
For adults  
Für Erwachsene  
Pour adultes  
Para adultos



Valva centrale  
Center blade  
Mittelblatt  
Valve centrale  
Valva central

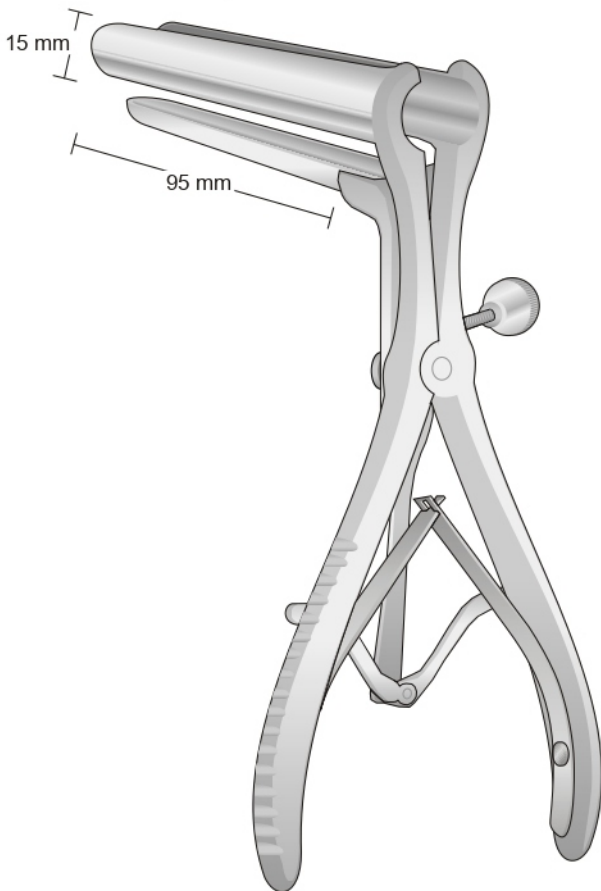


HS-9454



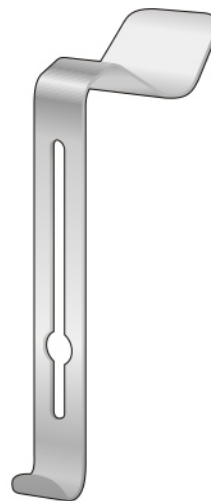
JUDD-MASSON  
HS-9455

Speculum rettale  
Rectal specula  
Mastdarm rektum spekulum  
Spéculum pour rectum  
Espéculus rectales



MATHIEU  
HS-9456  
215 mm

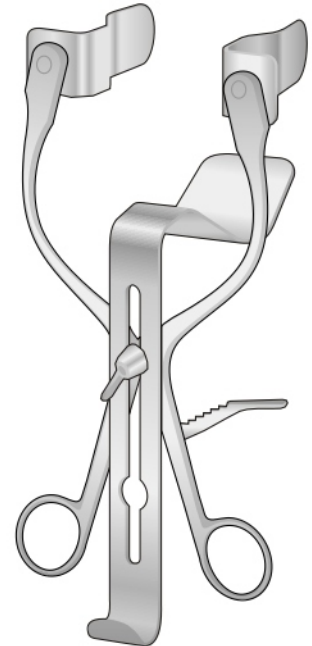
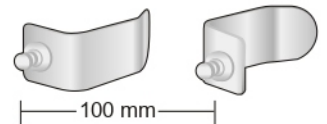
09-2650-04  
Valva laterale  
Lateral blade  
Seitliche Blätter  
Valves latérales  
Valva laterales  
80 x 25 mm



HS-9457

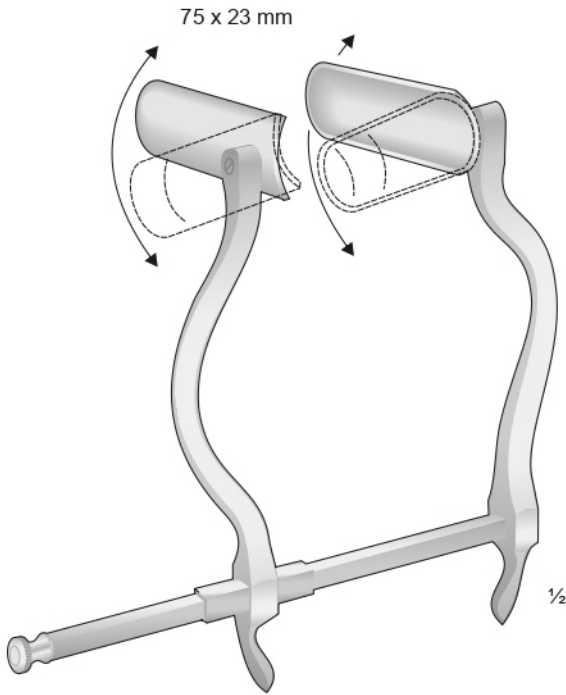
Valva centrale - Center blade - Mittelblatt  
Valve centrale - Valva central

09-2650-03  
Divaricatore solo - Retractor only  
Sperrer allein - Ecarteur seul  
Separador suelto



MILLIN  
HS-9458  
Completo - Complete - Komplet  
Complet - Completo

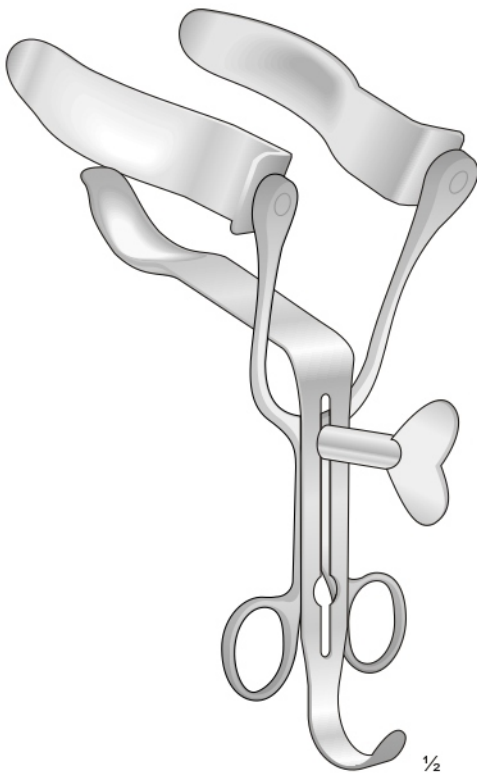




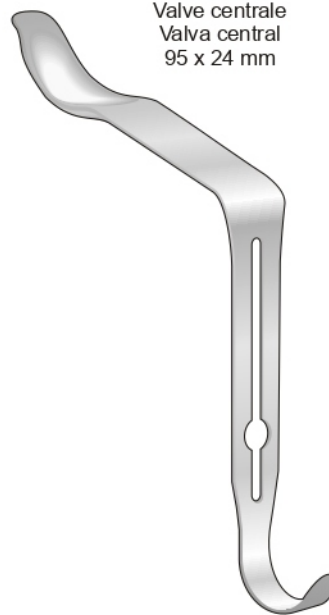
SMITH-BUIE  
 HS-9459  
 150 mm



BARR  
 HS-9460  
 170 mm

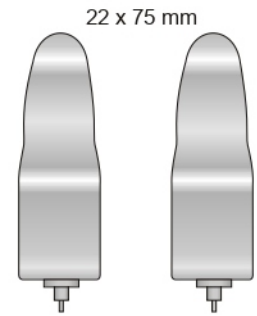


ALAN PARKS  
 HS-9461  
 135 mm

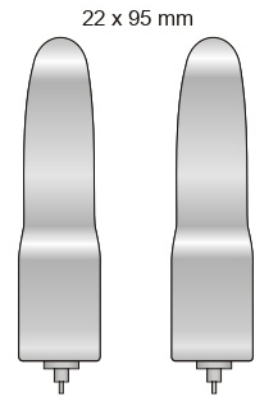


Valva centrale  
 Center blade  
 Mittelblatt  
 Valve centrale  
 Valva central  
 95 x 24 mm

HS-9462



09-2890-02



HS-9463

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