Wundhaken
Retractors
Separadores
Divaricatori



DESMARRES
16 cm, 6 ¼"



19230-12 12 mm



19230-10 10 mm



19230-14 14 mm



19230-16 16 mm



19230-18 18 mm



231-11
14 mm

231-13
18 mm

231-15
22 mm

CUSHING
25 cm, 10"



CUSHING
20 cm, 8"



19232-08 8 mm



19232-10 10 mm



19232-12 12 mm



19232-14 14 mm



19232-16 16 mm



19232-18 18 mm

Wundhaken
Retractors
Separadores
Divaricatori



CUSHING
24 cm, 9 ½"



19236-08 8 mm



19236-10 10 mm



19236-12 12 mm



19236-14 14 mm



19236-16 16 mm



19236-18 18 mm



biegsam
malleable
maleable
malleabile

GIL-VERNET
19233-08 - 19233-23



19233-08
8 mm



19233-11
11 mm



19233-15
15 mm



19233-17
17 mm



19233-20
20 mm

19233-23
23 mm

Wundhaken
Retractors
Separadores
Divaricatori



CUSHING
19234-20
20 cm, 8“



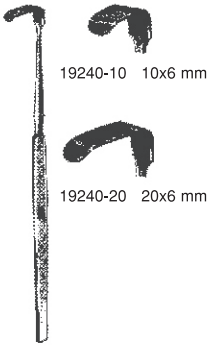
CUSHING
19235-21
21,5 cm, 8 ½“



KÖNIG
18 cm, 7“

19236-01
13x13 mm

19236-02
12x16 mm



SENN-GREEN
15 cm, 6“

19240-10 10x6 mm

19240-20 20x6 mm



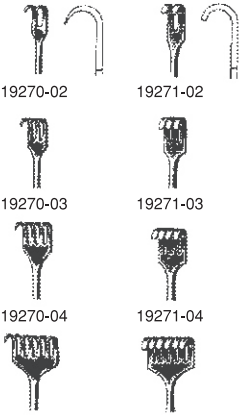
LANGENBECK-GREEN
16 cm, 6 ¼“

19250-16
16x6 mm

19250-24
24x6 mm



VOLKMANN
11,5 cm, 4 ½“



19270-02

19271-02

19270-03

19271-03

19270-04

19271-04

19270-06

19271-06

Wundhaken
Retractors
Separadores
Divaricatori


19280-01


19280-02


19280-03


19280-04


19280-06


scharf
sharp
agudo
acuto


19281-01


19281-02


19281-03


19281-04


19281-06


stumpf
blunt
romo
smusso


19282-02


19282-03


19282-04


19282-06

halbscharf
semi-sharp
medio romo
mezzo smusso


VOLKMANN
21,5 cm, 8 ½"

Wundhaken
Retractors
Separadores
Divaricatori


19296-01


19296-02


19296-03


19296-04


19296-06


19296-08



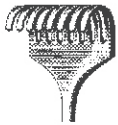

19297-01


19297-02


19297-03


19297-04


19297-06


19297-08





KOCHER
19296-01 - 19297-08
22 cm, 8 ¾"

Wundhaken, Knochenhaken
Retractors, Bone Retractors
Separadores, Separadores oseos
Divaricatori, Divaricatori per ossa



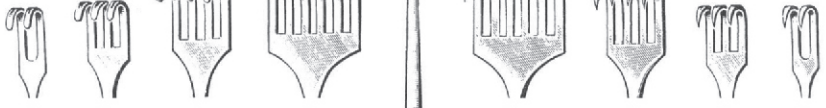
scharf
sharp
agudo
acuto

VOLKMANN
19298-01

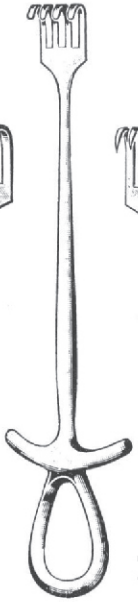


stumpf
blunt
romo
smusso

VOLKMANN
19299-01



Zähne
Teeth
Dientes
Denti



stumpf
blunt
romo
smusso

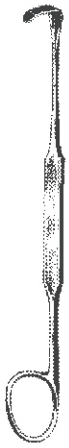
19301-02 8x 8 mm
19301-03 8x13 mm
19301-04 8x18 mm
19301-06 8x28 mm

scharf
sharp
agudo
acuto

19300-02 8x 8 mm
19300-03 8x13 mm
19300-04 8x18 mm
19300-06 8x28 mm

MURPHY
19,4 cm 7 5/8"

Wundhaken
Retractors
Separadores
Divaricatori



MEYERDING
18 cm, 7“



19302-01 18x7 mm



19302-04 7x4 mm



19302-02 16x5 mm



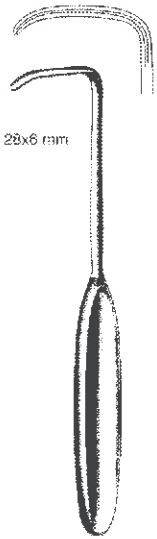
19302-05 10x3 mm



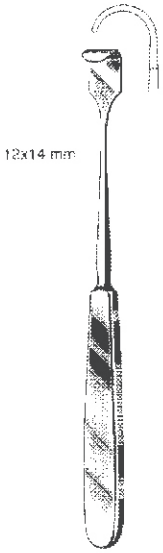
19302-03 7x4 mm



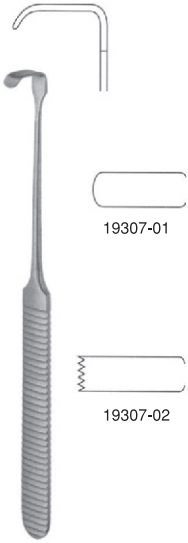
19302-06 10x4 mm



LAHEY
19304-19
19 cm, 7 ½“



LITTLE
19306-20
20 cm, 8“

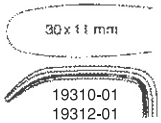


19307-01

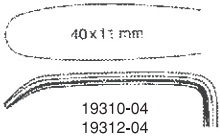
19307-02

STRANDELL-STILLE
17 cm 6 ¾“

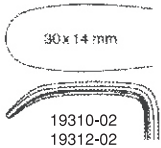
Wundhaken
Retractors
Separadores
Divaricatori



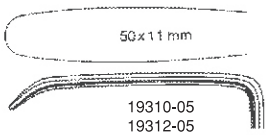
19310-01
19312-01



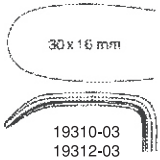
19310-04
19312-04



19310-02
19312-02



19310-05
19312-05



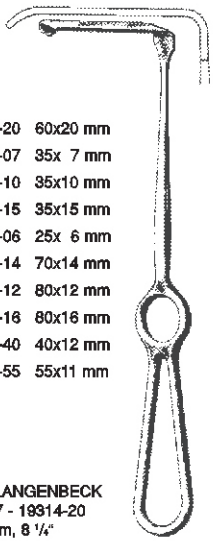
19310-03
19312-03



LANGENBECK
19310-01 - 19310-05
22 cm, 8 3/4“

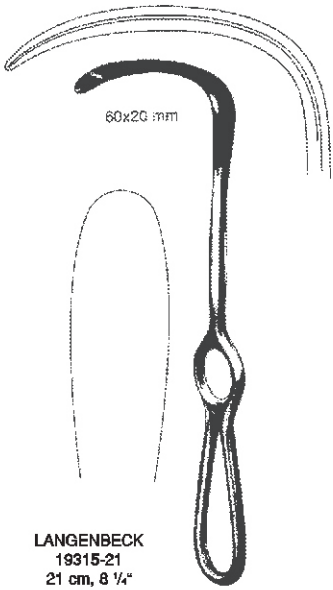
LANGENBECK
19312-01 - 19312-05
21 cm, 8 1/4“

Wundhaken
Retractors
Separadores
Divaricatori

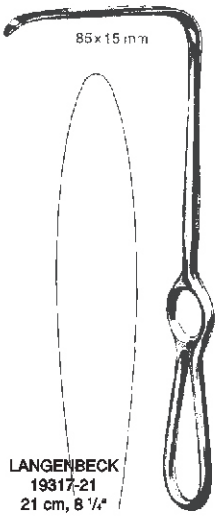


19314-20 60x20 mm
19314-07 35x 7 mm
19314-10 35x10 mm
19314-15 35x15 mm
19315-06 25x 6 mm
19314-14 70x14 mm
19314-12 80x12 mm
19314-16 80x16 mm
19330-40 40x12 mm
19330-55 55x11 mm

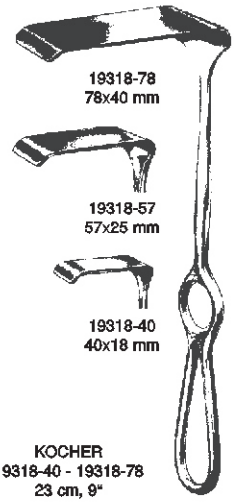
KOCHER-LANGENBECK
19314-07 - 19314-20
21 cm, 8 ¼"



LANGENBECK
19315-21
21 cm, 8 ¼"



LANGENBECK
19317-21
21 cm, 8 ¼"



19318-78
78x40 mm

19318-57
57x25 mm

19318-40
40x18 mm

KOCHER
19318-40 - 19318-78
23 cm, 9"

Wundhaken
Retractors
Separadores
Divaricatori



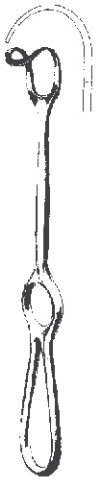
19344-14
14x17 mm
21,5 cm, 8 ½"



19344-20
20x22 mm
22 cm, 8 ¾"



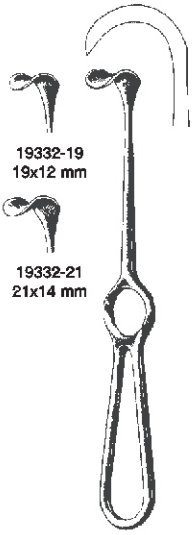
19344-26
26x30 mm
23,5 cm, 9 ¼"



MIDDELDORPF
19344-14 - 19344-26



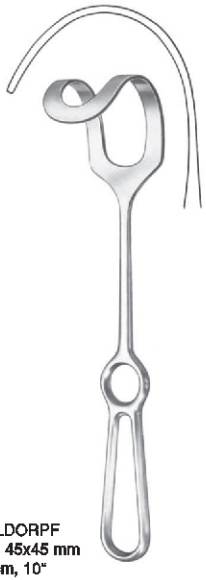
KOCHER
19340-10 40x10 mm
19340-15 40x15 mm
19340-20 40x20 mm
22 cm, 8 ¾"



19332-19
19x12 mm

19332-21
21x14 mm

KOCHER
19332-19 - 19332-21
19 cm, 7 ½"



MIDDELDORPF
19345-01 45x45 mm
25,5 cm, 10"



19345-02
45x50 mm



19345-03
55x70 mm



GREEN
19348-22
22 cm, 8 ¾"

Wundhaken
Retractors
Separadores
Divaricatori



ZENKER
19350-35
25 cm, 10"



ZENKER
19350-60
26 cm, 10 ¼"



ZENKER
19350-70
27,5 cm, 10.8"

Wundhaken
Retractors
Separadores
Divaricatori



ISRAEL
19364-40 40X40 mm
25 cm, 10“



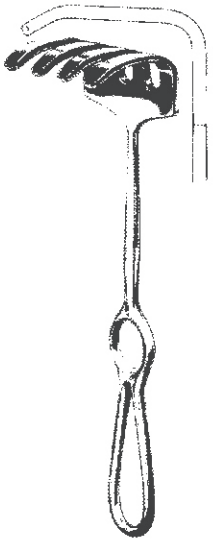
19364-50 45x50 mm



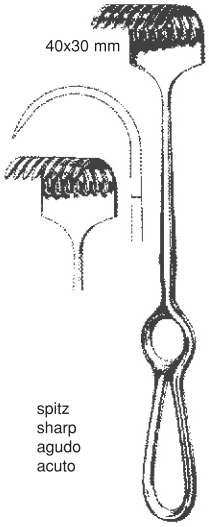
19364-60 50x60 mm



19364-70 70x70 mm

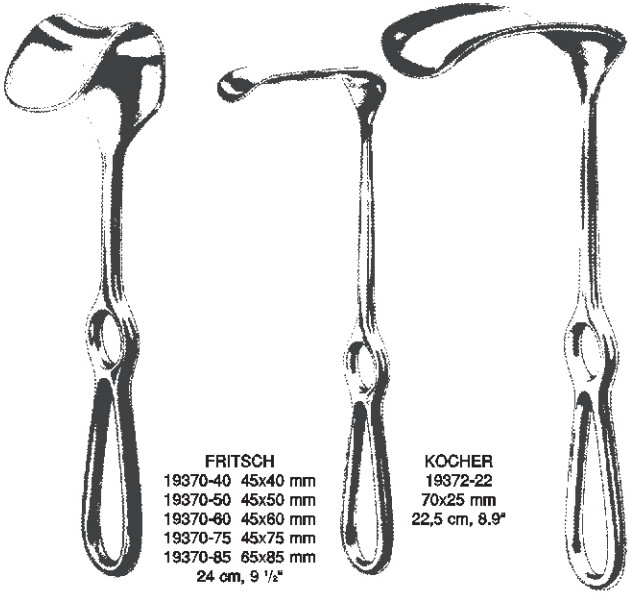


OLLIER
19360-04 22,5 cm, 8.9“



KOERTE
19366-08 23,5 cm, 9 1/4“ 19367-08

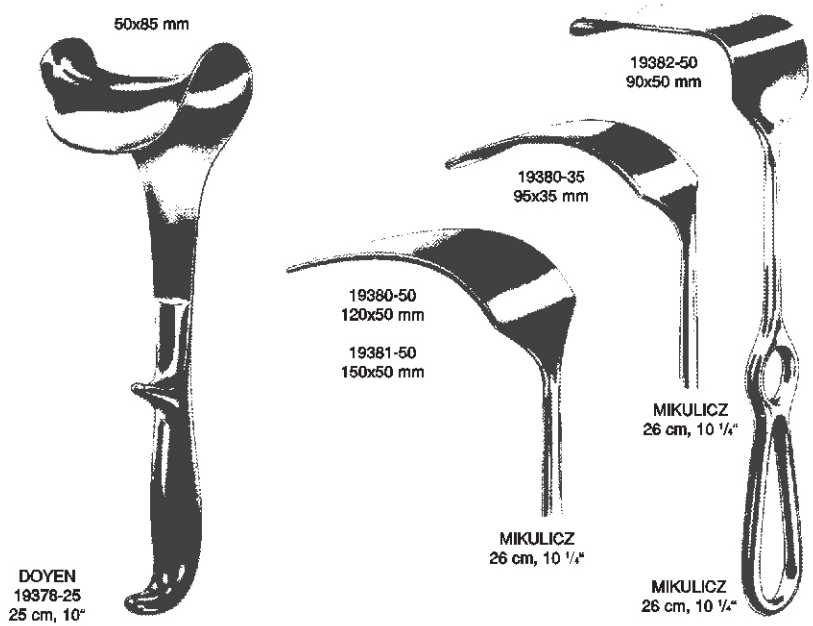
Wundhaken
Retractors
Separadores
Divaricatori



FRITSCH
19370-40 45x40 mm
19370-50 45x50 mm
19370-60 45x60 mm
19370-75 45x75 mm
19370-85 65x85 mm
24 cm, 9 ½"

KOCHER
19372-22
70x25 mm
22,5 cm, 8.9"

KOCHER
19374-45 80x45 mm
19374-55 80x55 mm
19374-65 80x65 mm
25 cm, 10"



50x85 mm

DOYEN
19378-25
25 cm, 10"

19382-50
90x50 mm

19380-35
95x35 mm

19380-50
120x50 mm

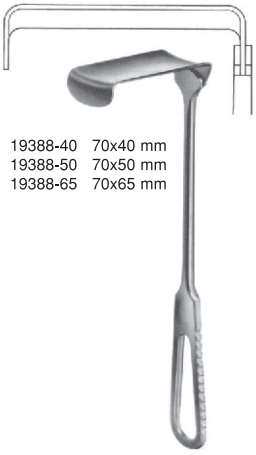
19381-50
150x50 mm

MIKULICZ
26 cm, 10 ¼"

MIKULICZ
26 cm, 10 ¼"

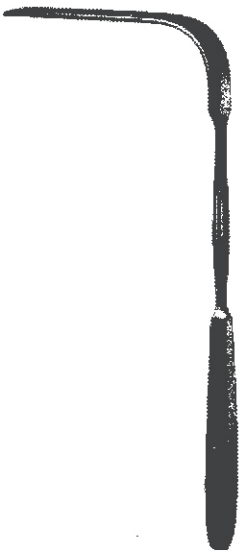
MIKULICZ
26 cm, 10 ¼"

Wundhaken
Retractors
Separadores
Divaricatori

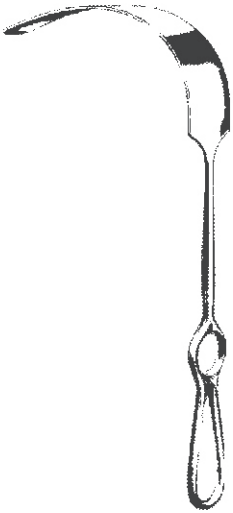


19388-40 70x40 mm
19388-50 70x50 mm
19388-65 70x65 mm

MORRIS
24,5 cm
9 ¾"



SIMON
19480-22 115x22 mm
19480-27 115x27 mm
28 cm, 11"



KELLY
19385-38 160x38 mm
19385-57 160x57 mm
27 cm, 10 ½"



19482-82
82x28 mm

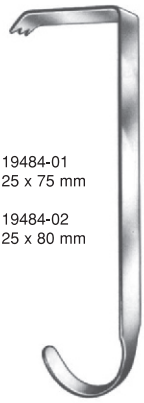


19482-73
73x28 mm



19482-45
45x25 mm

HEANEY
19482-45 - 19482-82
27 cm, 10 ½"



19484-01
25 x 75 mm

19484-02
25 x 80 mm

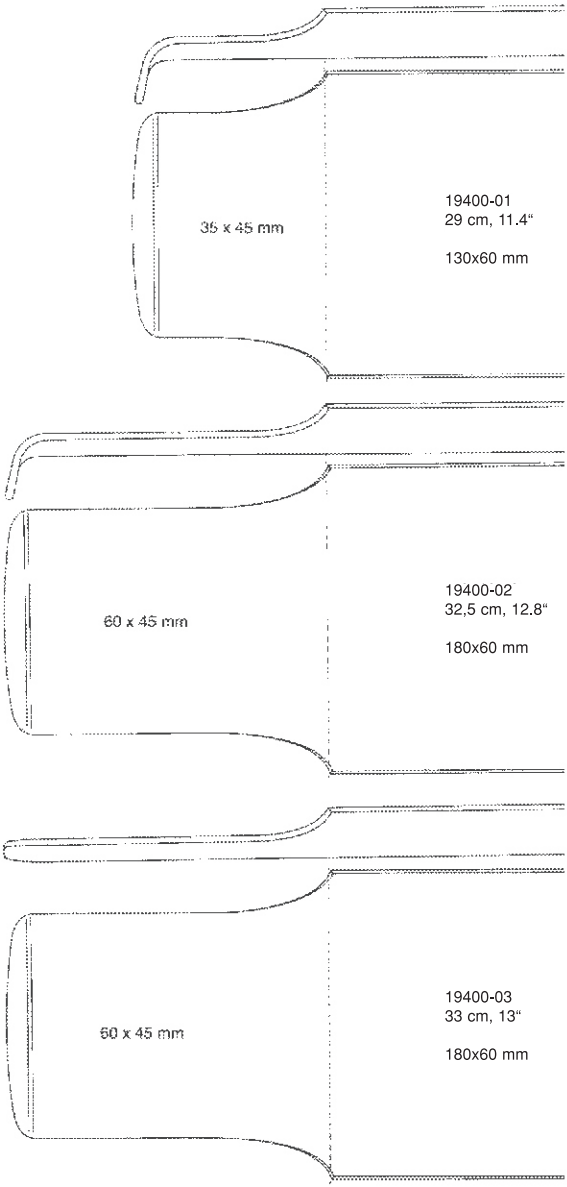
HIBBS
24 cm, 9 ½"



25x37 mm

SAUERBRUCH
19492-25
25 cm, 10"

Wundhaken
Retractors
Separadores
Divaricatori



19400-01
29 cm, 11.4“

130x60 mm

19400-02
32,5 cm, 12.8“

180x60 mm

19400-03
33 cm, 13“

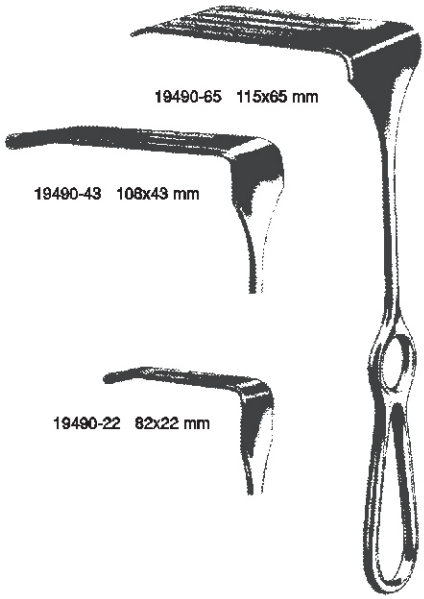
180x60 mm

Pelvis-Haken
Pelvis retractor
Retractor de pelvis
Divaricatori pelvici

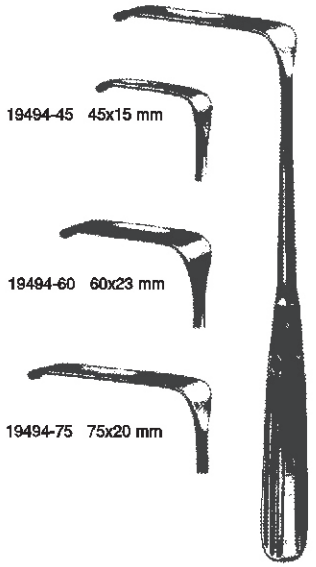


ST. MARKS
19400-01 19400-03

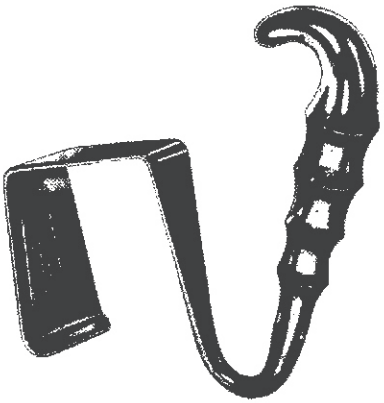
Wundhaken
Retractors
Separadores
Divaricatori



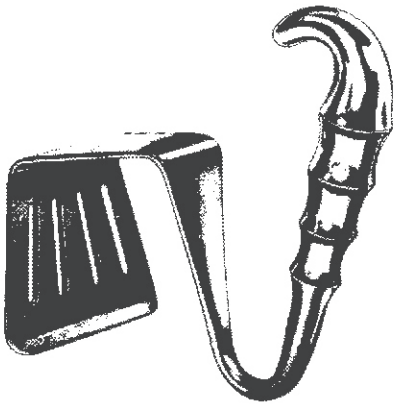
CORYLLOS (Thorax)
19490-22 - 19490-65
24 cm, 9 ½"



SAUERBRUCH
19494-45 - 19494-75
22,5 cm, 8.9"

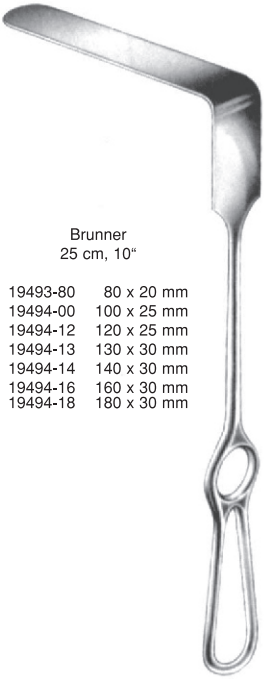


DAVIDSON (Scapula)
19496-50 75x50 mm



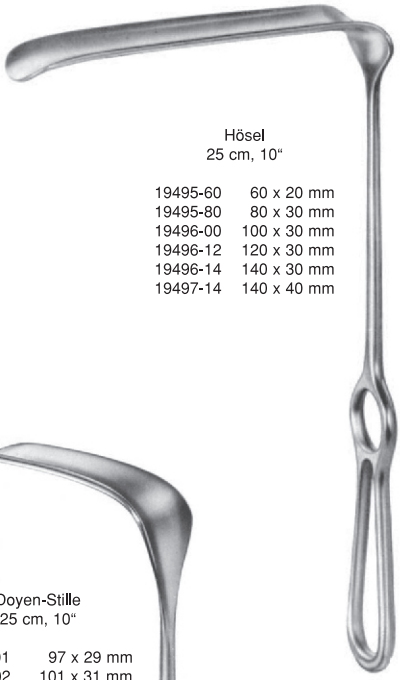
DAVIDSON (Scapula)
19496-90 75x90 mm

Wundhaken
Retractors
Separadores
Divaricatori



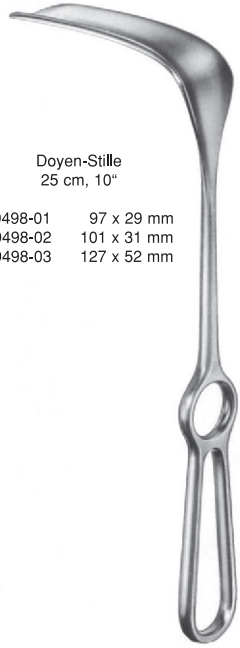
Brunner
25 cm, 10“

19493-80	80 x 20 mm
19494-00	100 x 25 mm
19494-12	120 x 25 mm
19494-13	130 x 30 mm
19494-14	140 x 30 mm
19494-16	160 x 30 mm
19494-18	180 x 30 mm



Hösel
25 cm, 10“

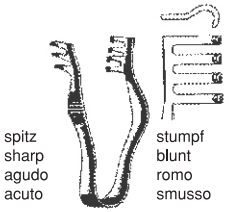
19495-60	60 x 20 mm
19495-80	80 x 30 mm
19496-00	100 x 30 mm
19496-12	120 x 30 mm
19496-14	140 x 30 mm
19497-14	140 x 40 mm



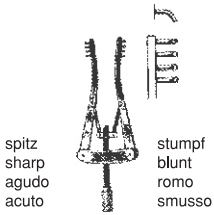
Doyen-Stille
25 cm, 10“

19498-01	97 x 29 mm
19498-02	101 x 31 mm
19498-03	127 x 52 mm

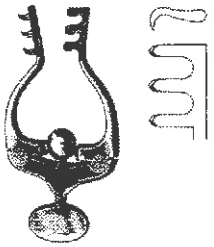
Wundsperrer
Retractors
Separadores
Divaricatori



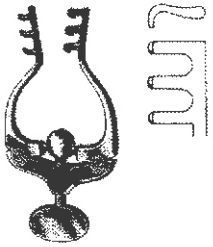
FINSEN
19610-07 7 cm, 2 3/4“ 19611-07



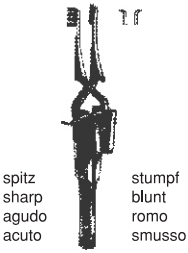
ALM
19620-07 7 cm, 2 3/4“ 19621-07
19620-10 10 cm, 4“ 19621-10



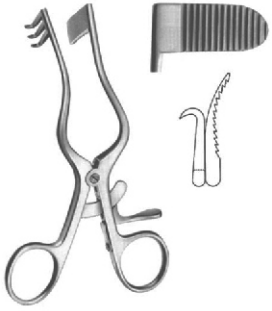
JANSEN
19630-10
10 cm, 4“



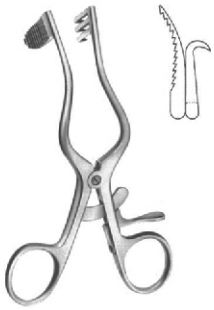
JANSEN
19631-10
10 cm, 4“



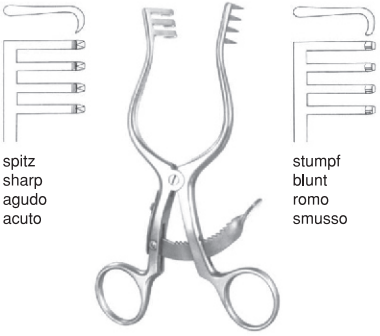
HOLZHEIMER
19634-10 19635-10
10 cm, 4“



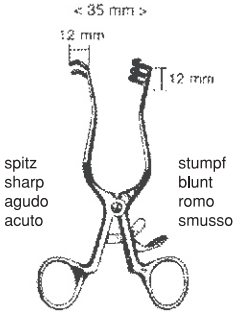
PERKINS
19636-14
13 cm, 5 1/8“



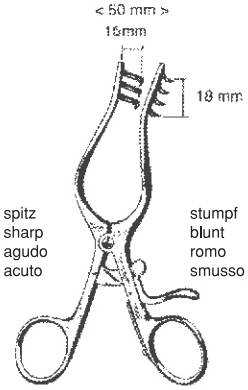
PERKINS
19637-14
13 cm, 5 1/8“



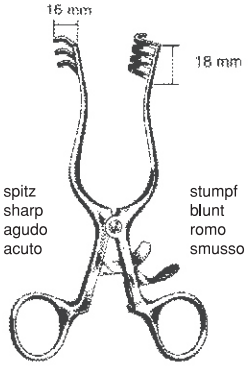
SCALP-CONTOUR
19640-14 - 19641-14
13,5 cm 5 ¼"



WEITLANER
19650-10 19651-10
11,5 cm, 4 ½"



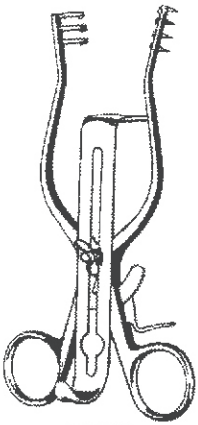
WEITLANER-WULLSTEIN
19654-13 19655-13
13 cm, 5 ⅛"



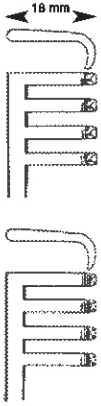
WEITLANER

19670-14	**14,0 cm, 5 ½"**	**19671-14**
19670-16	**16,5 cm, 6 ½"**	**19671-16**
19670-20	**20,0 cm, 8"**	**19671-20**
19670-24	**24,0 cm, 9 ⅛"**	**19671-24**

Wundsperrer
Retractors
Separadores
Divaricatori



HENLEY
19675-00 - 19677-32
16,5 cm, 6 ½"

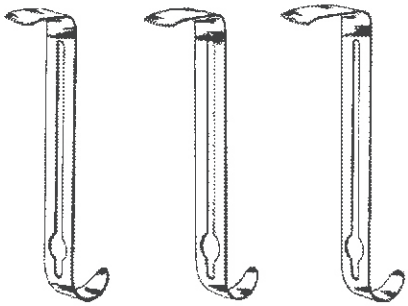


19675-00 komplett, stumpf, 3x4 Z. und 3 Valven
19675-00 complete, blunt, 3x4 teeth and 3 blades
19675-00 completo, romo, 3x4 dientes y 3 valvas
19675-00 completo, smusso, 3x4 d. e 3 valve

19676-00 komplett, scharf, 3x4 Z. und 3 Valven
19676-00 complete, sharp, 3x4 teeth and 3 blades
19676-00 complete, agudo, 3x4 dientes y 3 valvas
19676-00 completo con retr. acuto 3x4 d. e 3 valve

19678-05 Retraktor allein, stumpf 3x4 Zähne
19678-05 Retractor only, blunt 3x4 teeth
19678-05 Separador solo, romo, 3x4 dientes
19678-05 Retrattore solo, smusso 3x4 denti

19678-06 Retraktor allein, spitz 3x4 Zähne
19678-06 Retractor only, sharp 3x4 teeth
19678-06 Separador solo,agudo, 3x4 dientes
19678-06 Retrattore solo, acuto 3x4 denti

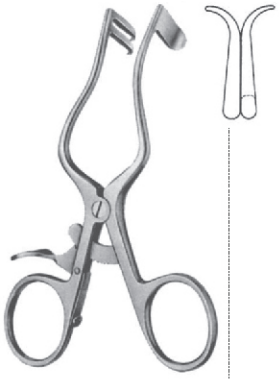


19677-19
16x19 mm

19677-25
16x25 mm

19677-32
16x32 mm

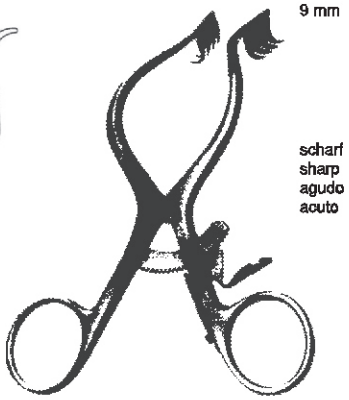
Wundsperrer
Retractors
Separadores
Divaricatori



PLESTER
19672-11 11 cm, 4 3/8"
stumpf - blunt - romo - smusso



PLESTER
19673-11 11 cm, 4 3/8"
stumpf - blunt - romo - smusso



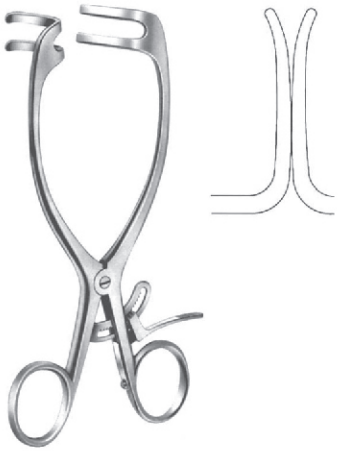
MOLLISON
19674-15 15 cm, 6"



WULLSTEIN
19675-13
13 cm, 5 1/8"

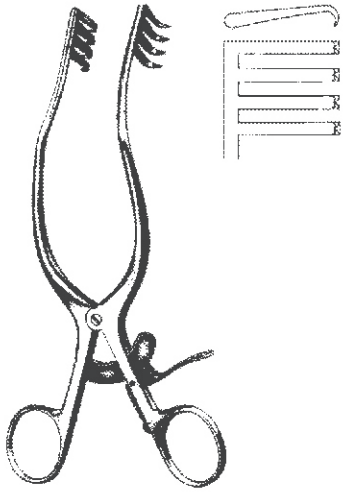


PLESTER
19677-13
13 cm, 5 1/8"



MAYO-ADAMS
19678-16
16,5 cm, 6 1/2"

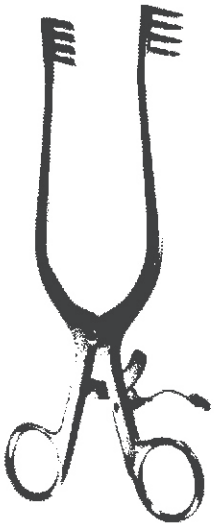
Wundsperrer
Retractors
Separadores
Divaricatori



ANDERSON ADSON
19679-20 19,5 cm, 7 ¾"



NORFOLK / NORWICH
19679-22 22 cm, 8 ¾"



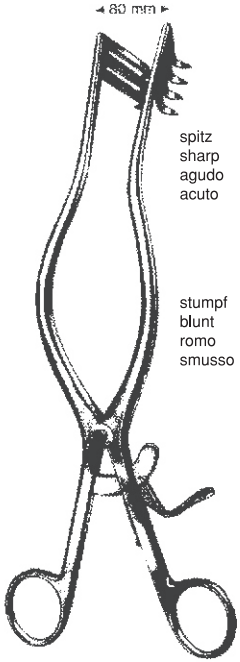
spitz
sharp
agudo
acuto

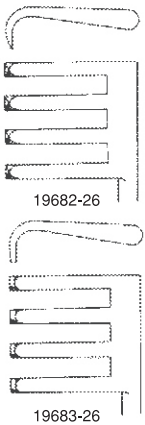
stumpf
blunt
romo
smusso

ADSON
19680-19 19 cm, 7 ½" 19681-19

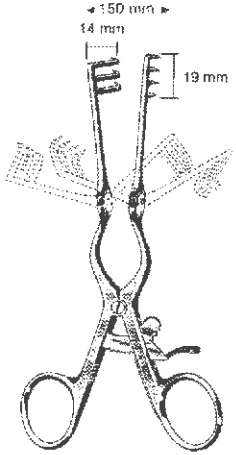


TRAVERS
19681-21 21,5 cm, 8 ½"





ADSON
19682-26 - 19683-26
26,5 cm, 10 ½"



19684-14	14 cm, 5 ½"
19684-16	16 cm, 6 ¼"
19684-20	20 cm, 8"
19684-26	26 cm, 10 ¼"

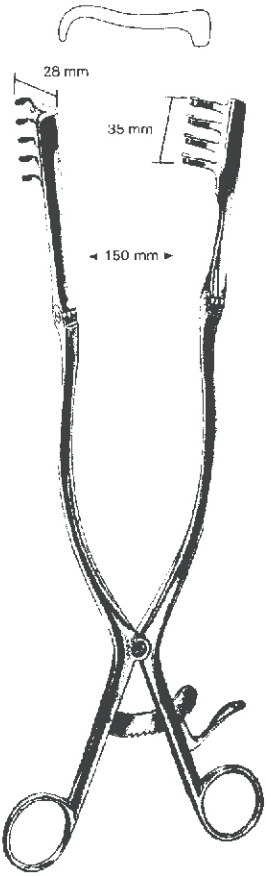
spitz
sharp
agudo
acuto

19685-14	14 cm, 5 ½"
19685-16	16 cm, 6 ¼"
19685-20	20 cm, 8"
19685-26	26 cm, 10 ¼"

stumpf
blunt
romo
smusso

ADSON

Wundsperrer
Retractors
Separadores
Divaricatori

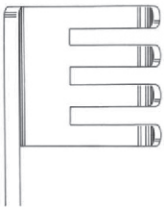


ADSON
19686-32
32 cm, 12 3/4“

Wundsperrer
Retractors
Separadores
Divaricatori

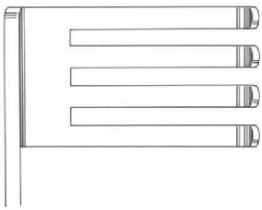


Beckman-Adson
31 cm, 12 ¼“



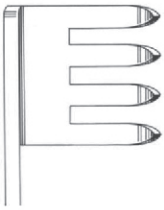
19687-01
25 x 27 mm

stumpf
blunt
romo
smusso



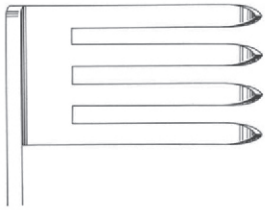
19688-01
45 x 27 mm

stumpf
blunt
romo
smusso



19687-02
25 x 27 mm

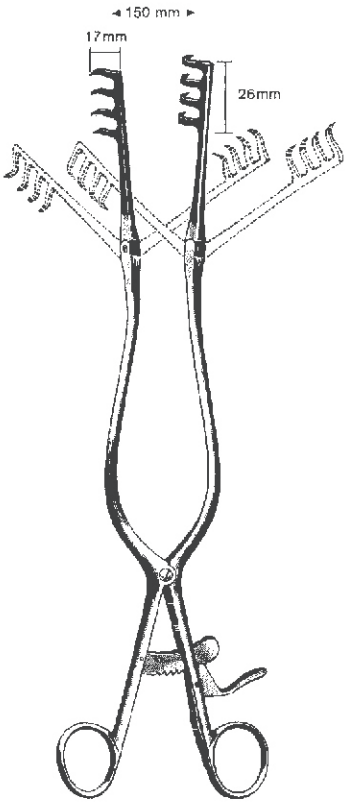
scharf
sharp
agudo
acuto



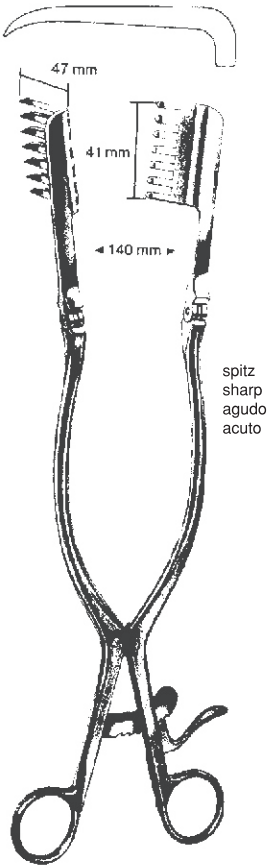
19688-02
45 x 27 mm

scharf
sharp
agudo
acuto

Wundsperrer
Retractors
Separadores
Divaricatori

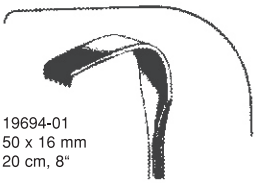


BECKMANN
19690-31
31 cm, 12 1/4“

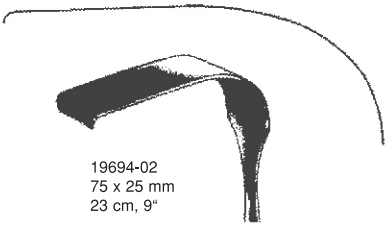


BECKMANN-EATON
19692-32
32 cm, 12 3/4“

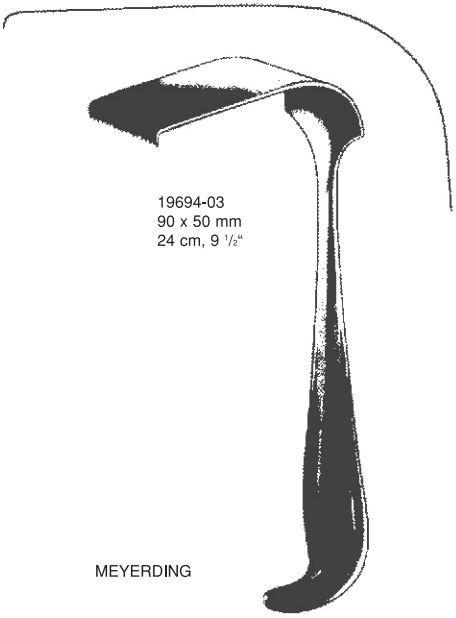
Wundhaken
Retractors
Separadores
Divaricatori



19694-01
50 x 16 mm
20 cm, 8“



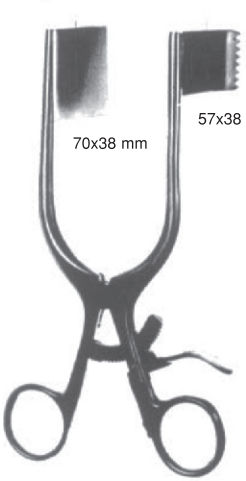
19694-02
75 x 25 mm
23 cm, 9“



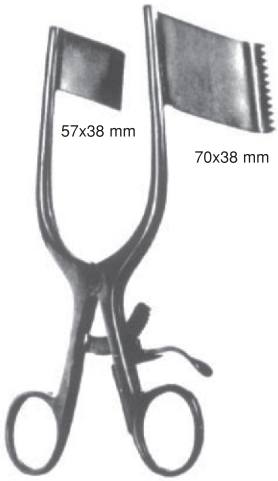
19694-03
90 x 50 mm
24 cm, 9 ½“

MEYERDING

Wundsperrer
Retractors
Separadores
Divaricatori



DARLING
19696-18 18 cm, 7"



DARLING
19698-18 18 cm, 7"

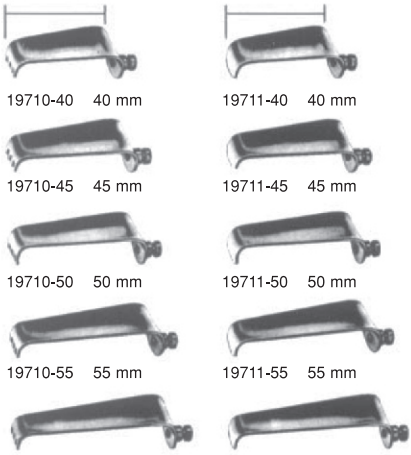


CLOWARD
25 cm, 10"

19710-01

CLOWARD
16 cm, 6 1/4"

19711-01



19710-40 40 mm	19711-40 40 mm
19710-45 45 mm	19711-45 45 mm
19710-50 50 mm	19711-50 50 mm
19710-55 55 mm	19711-55 55 mm
19710-60 60 mm	19711-60 60 mm

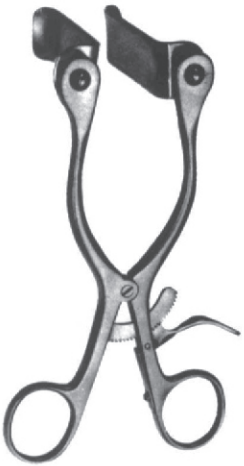
19710-00
Sperrer komplett mit 5 Valven spitz
Retractor complete with 5 blades sharp
Separador completo con 5 valvas agudas
Divaricatore completo con 5 valve acute

19711-00
Sperrer komplett mit 5 Valven spitz
Retractor complete with 5 blades sharp
Separador completo con 5 valvas agudas
Divaricatore completo con 5 valve acute

19712-00
Sperrer komplett mit 5 Valven stumpf
Retractor complete with 5 blades blunt
Separador completo con 5 valvas romas
Divaricatore completo con 5 valve smusse

19713-00
Sperrer komplett mit 5 Valven stumpf
Retractor complete with 5 blades blunt
Separador completo con 5 valvas romas
Divaricatore completo con 5 valve smusse

Laminektomie-Wundspreizer
Retractors, Cercical Spine
Separadores, columna vertebral
Divaricatori, spina cervica



CASPAR
19720-00 compl. (5 valven, 5 valves, 5 blades, 5 valvas, 5 valve)
19720-15 ohne Blätter, without blades, sin valvas, senza valve

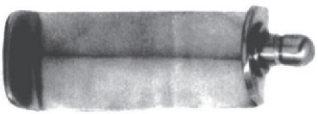


CASPAR
19721-00 compl. (5 valven, 5 valves, 5 blades, 5 valvas, 5 valve)
19721-15 ohne Blätter, without blades, sin valvas, senza valve



CASPAR
19724-00 compl. (5 valven, 5 valves, 5 blades, 5 valvas, 5 valve)
19724-11 ohne Blätter, without blades, sin valvas, senza valve

stumpf
blunt
roma
smussa



CASPAR
19720-45 45x20 mm
19720-50 50x20 mm
19720-55 55x20 mm
19720-60 60x20 mm
19720-65 65x20 mm



medial

CASPAR
19724-40 40x20 mm
19724-45 45x20 mm
19724-50 50x20 mm
19724-55 55x20 mm
19724-60 60x20 mm



lateral

CASPAR
19725-40 40x20 mm
19725-45 45x20 mm
19725-50 50x20 mm
19725-55 55x20 mm
19725-60 60x20 mm

Laminektomie-Wundspreizer
Retractors
Separadores
Divaricatori





19745-40 40 mm



19745-45 45 mm



19745-50 50 mm



19745-55 55 mm



19745-60 60 mm



19745-65 65 mm



19745-70 70 mm

CASPAR
19744-00 compl. incl. 7 Blätter, compl. incl. 7 blades, valvas, valva
19744-17 ohne Blätter, without blades, sin valvas, senza valve



19747-45 45 mm

19747-50 50 mm

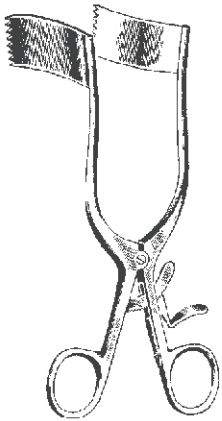
19747-55 55 mm

19747-60 60 mm

19747-65 65 mm

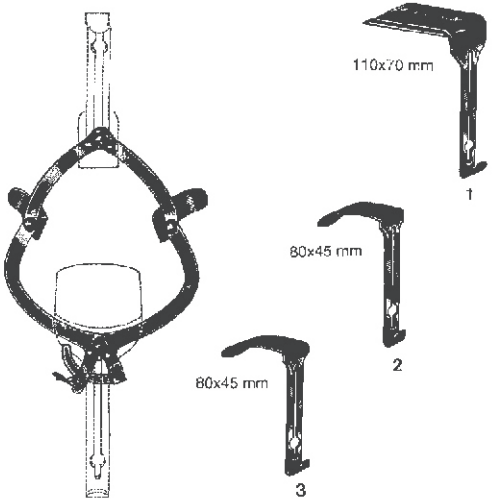


CASPAR
19747-45 - 19747-65

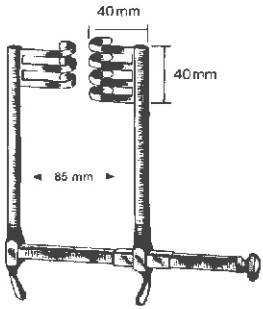


MEYERDING
17 cm, 6 3/4“
19748-01 2,5 x 3,2 cm
19748-02 2,5 x 5,4 cm
19748-03 1,9 x 6,0 cm
19748-04 2,5 x 6,0 cm

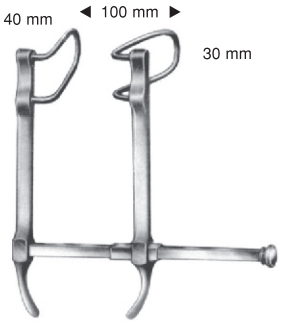
Bauchdeckenhalter
Abdominal Retractors
Separadores abdominales
Divaricatori addominali



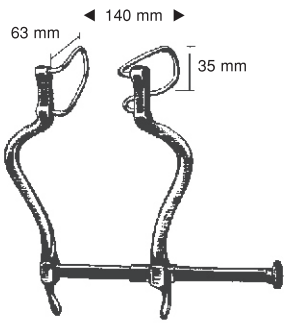
O`SULLIVAN - O`CONNOR
19754-00
compl.



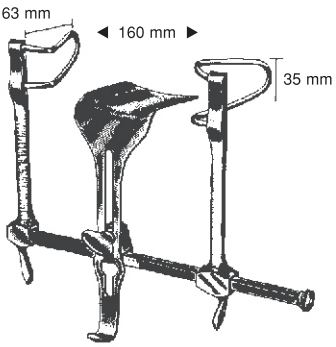
FRAZIER
19758-85



BABY GOSSET
19759-00

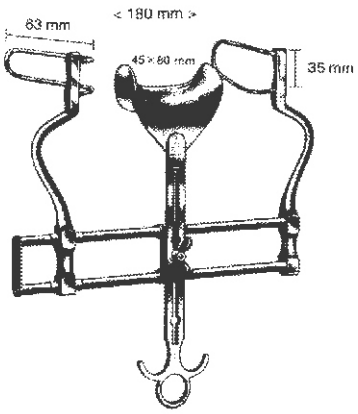


GOSSET
19760-14

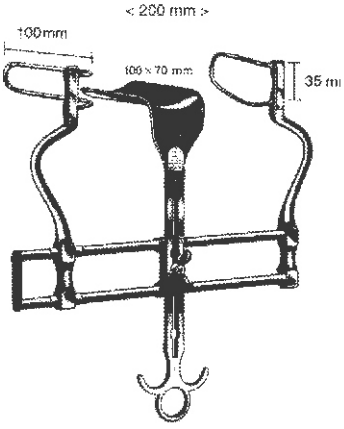


GOSSET
19762-16 160 mm

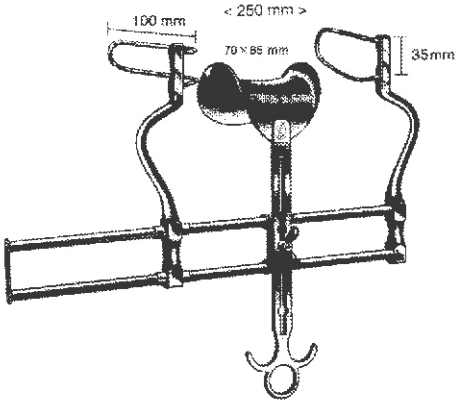
Bauchdeckenhalter
Abdominal Retractors
Separadores abdominales
Divaricatori addominali



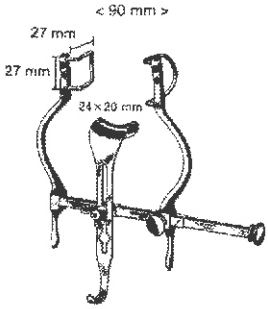
BALFOUR
19764-18
18 cm, 7"



BALFOUR
19764-20
20 cm, 8"



BALFOUR
19764-25
25 cm, 10"



BALFOUR Baby
19766-90
9 cm, 3 ½"