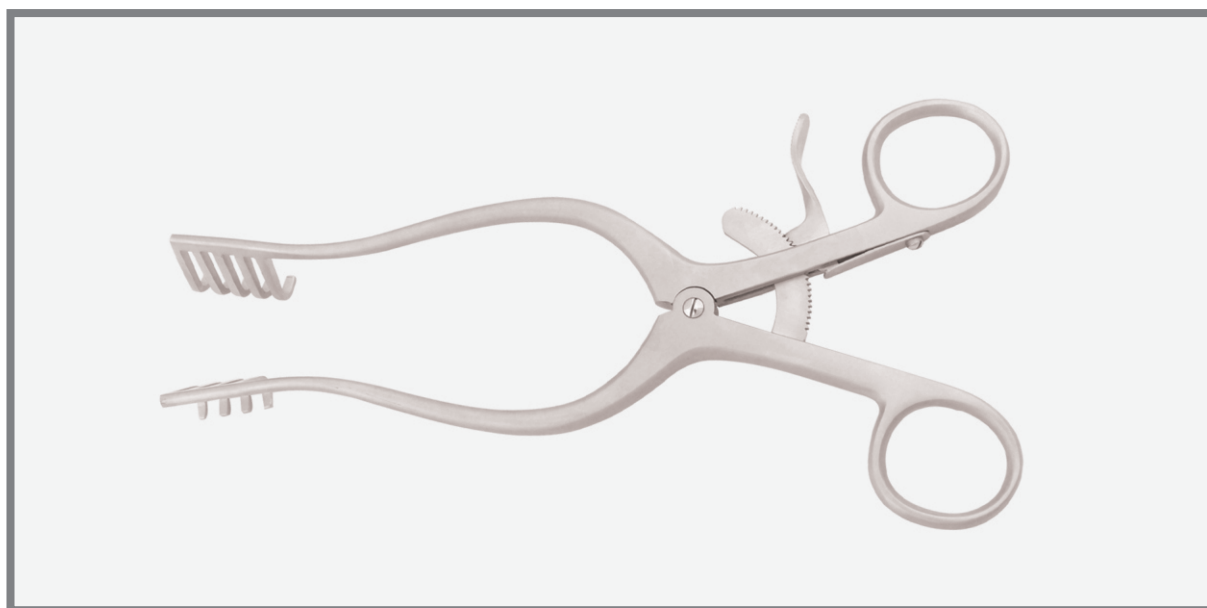
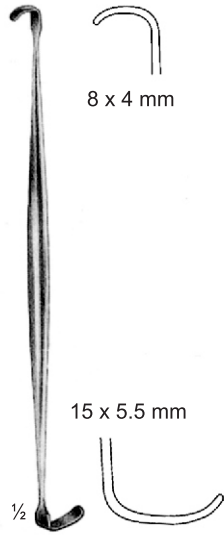


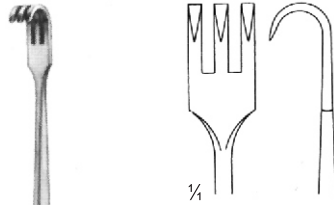
- EN** Retractors
- DE** Wundhaken und -sperrer
- ES** Separadores
- FR** Rétracteurs
- IT** Retrattori

Page 275 to 345

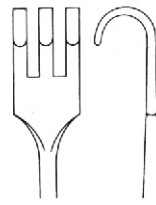




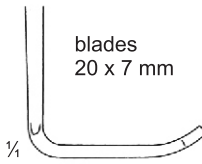
RAGNELL-DAVIS
16-4201-14
14 cm/5 1/2"



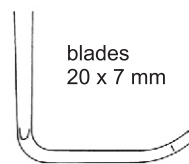
16-4202-16
sharp prongs



16-4203-16
blunt prongs



blades
20 x 7 mm



blades
20 x 7 mm



CUSHING
16-4204-20
20 cm/7 7/8"



CUSHING



16-4205-20
16-4208-24
8 mm



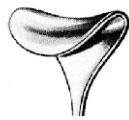
16-4206-20
16-4209-24
10 mm



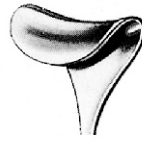
16-4207-20
16-4210-20
12 mm



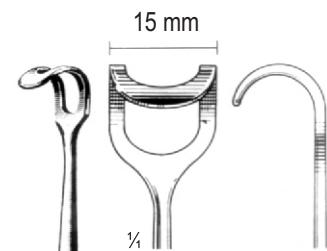
16-4211-20
16-4214-24
14 mm



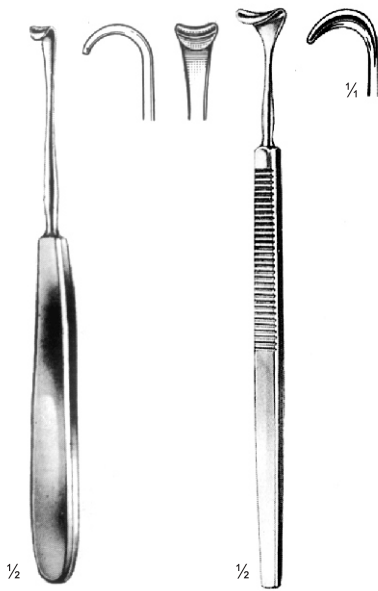
16-4212-20
16-4215-24
16 mm



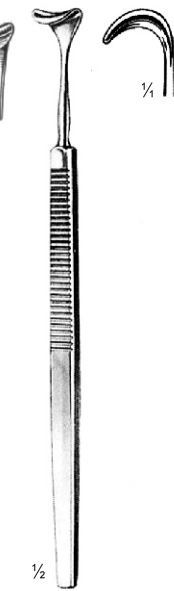
16-4213-20
16-4216-24
18 mm



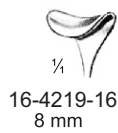
HANDTE



DES MARRES
 16-4218-16
 16 cm/6 1/4"



DES MARRES
 16 cm/6 1/4"



16-4219-16
 8 mm



16-4220-16
 10 mm



16-4221-16
 12 mm



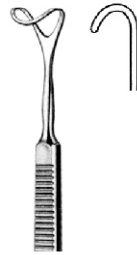
16-4222-16
 14 mm



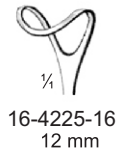
16-4223-16
 16 mm



16-4224-16
 18 mm



16 cm/6 1/4"



16-4225-16
 12 mm



16-4226-16
 14 mm



16-4227-16
 16 mm



16-4228-16



MINI-LANGENBECK
 16 cm/6 1/4"



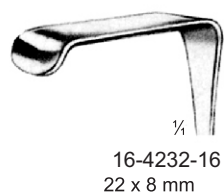
16-4229-16
 10 x 6 mm



16-4230-16
 17 x 5 mm



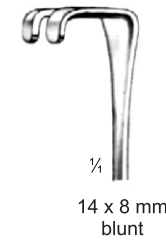
16-4231-16
 20 x 6 mm



16-4232-16
 22 x 8 mm



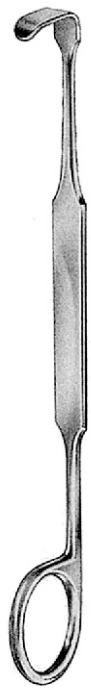
MINI-LANGENBECK
 16-4233-16
 16 cm/6 1/4"



14 x 8 mm
 blunt



RETRACTORS



MEYERDING
18 cm/7 1/8"



1/4
16-4234-18
18 x 7 mm



16-4235-18
16 x 5 mm



1/4
16-4236-18
7 x 4 mm



16-4237-18
10 x 3 mm



1/4
16-4238-18
7 x 4 mm



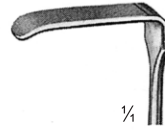
16-4239-18
10 x 4 mm



SENN-GREEN
15 cm/5 7/8"



1/4
10 x 6 mm
16-4240-15



1/4
20 x 6 mm
16-4241-15



LAHEY
16-4242-19
19 cm/7 1/2"



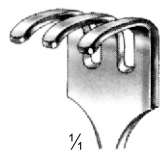
LITTLE
16-4243-20
20 cm/7 7/8"



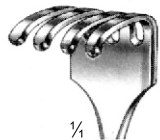
KLAPP
17.5 cm/6 7/8"



1/4
16-4244-17
13 x 6 mm



1/4
16-4245-17
12 x 11 mm



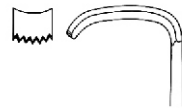
1/4
16-4246-17
15 x 12 mm



STRANDELL-STILLE
19 cm/7 1/2"



16-4247-19



16-4248-19
toothed



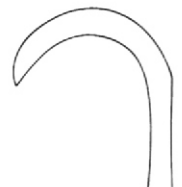
1/4
16-4249-19
19 x 12 mm



1/4
16-4250-19
21 x 14 mm

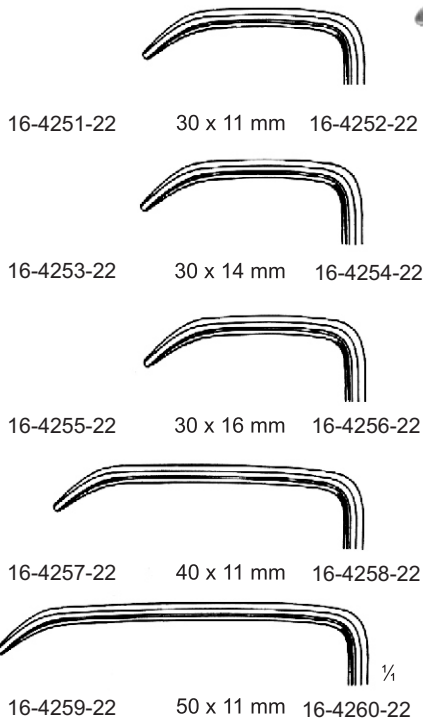


KOCHER
19 cm/7 1/2"

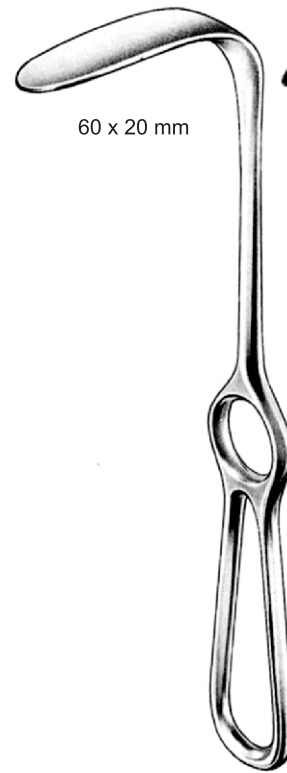




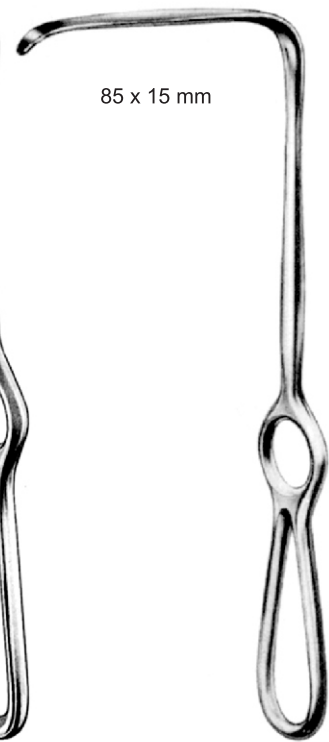
LANGENBECK
 22 cm/8 1/2"



LANGENBECK
 21 cm/8 1/4"



LANGENBECK
 16-4261-21
 21 cm/8 1/4"



LANGENBECK
 16-4262-21
 21 cm/8 1/4"

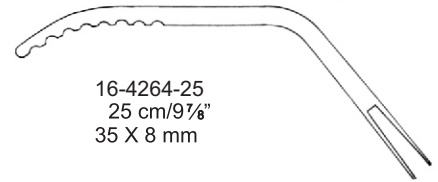




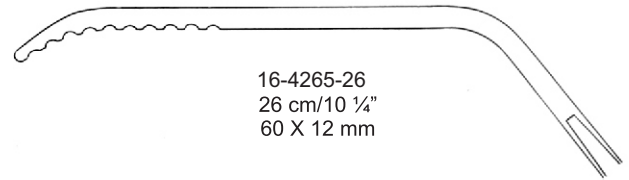
ZENKER



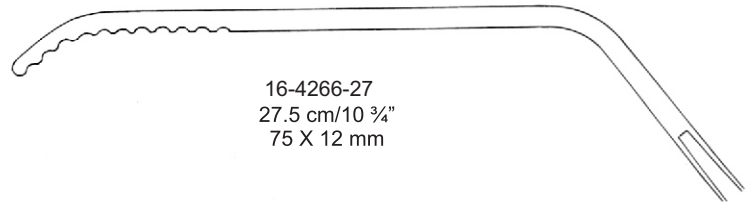
MINI-ZENKER
16-4263-18
18 cm/7 1/8"
10 X 3 mm



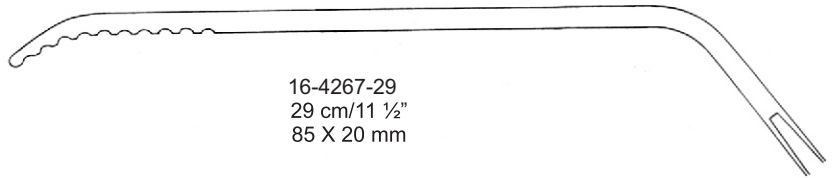
16-4264-25
25 cm/9 7/8"
35 X 8 mm



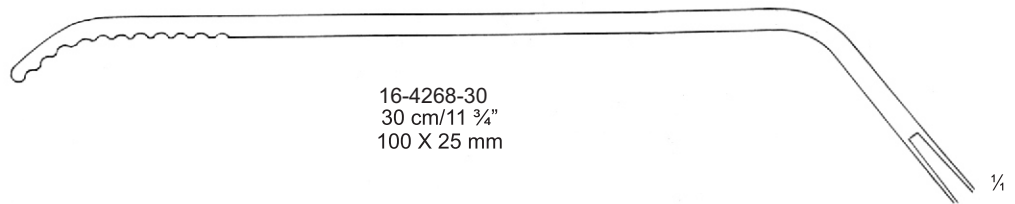
16-4265-26
26 cm/10 1/4"
60 X 12 mm



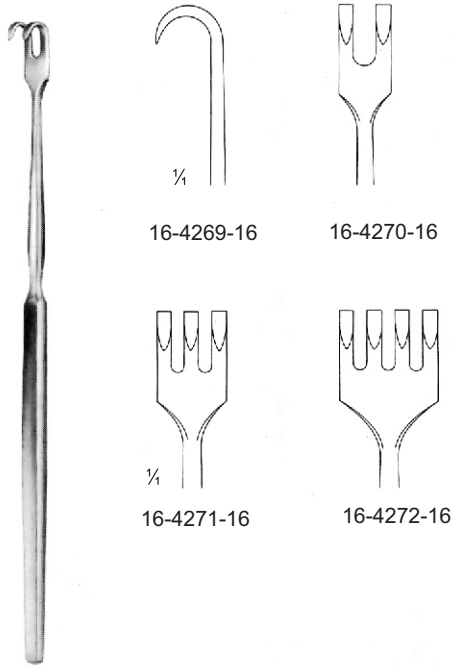
16-4266-27
27.5 cm/10 3/4"
75 X 12 mm



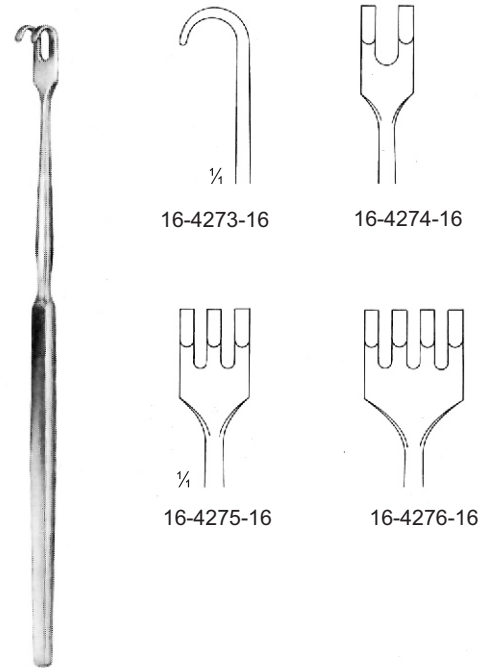
16-4267-29
29 cm/11 1/2"
85 X 20 mm



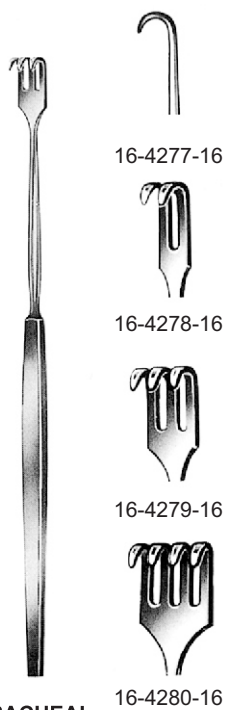
16-4268-30
30 cm/11 3/4"
100 X 25 mm



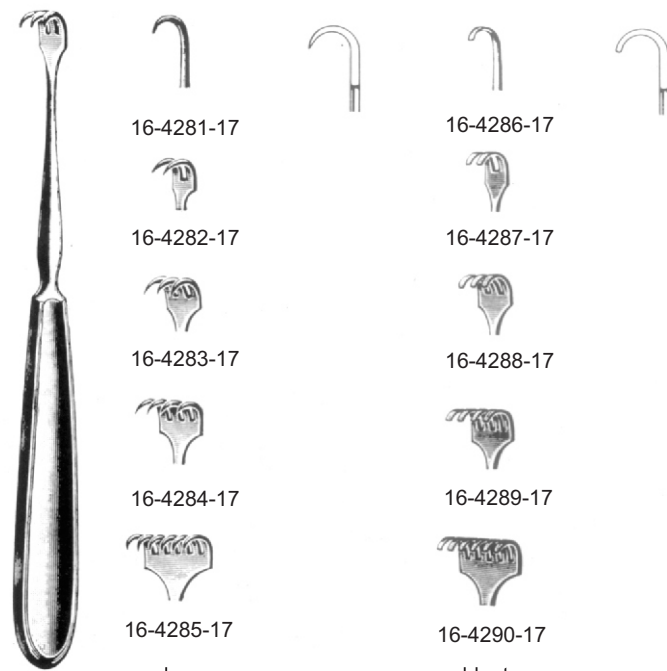
TRACHEAL
 16 cm/6 1/4"
 sharp



TRACHEAL
 16 cm/6 1/4"
 blunt



TRACHEAL
 16 cm/6 1/4"
 semi-sharp



17 cm/6 3/4"

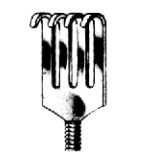
sharp

blunt





16 cm/6 1/4"
flexible



sharp

blunt



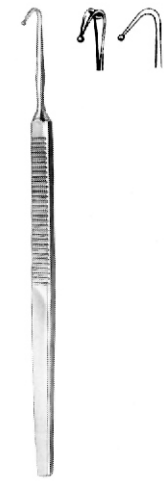
16 cm/6 1/4"



sharp



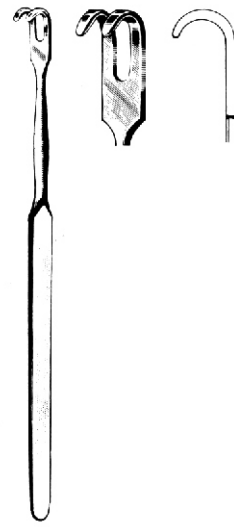
blunt



VESSEL HOOK
SM 16-4299-12
12 cm/4 3/4"



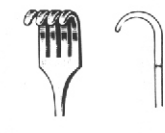
VOLKMANN
11.5 cm/4 1/2"



SM 16-4308-13
13.5 cm/5 3/8"



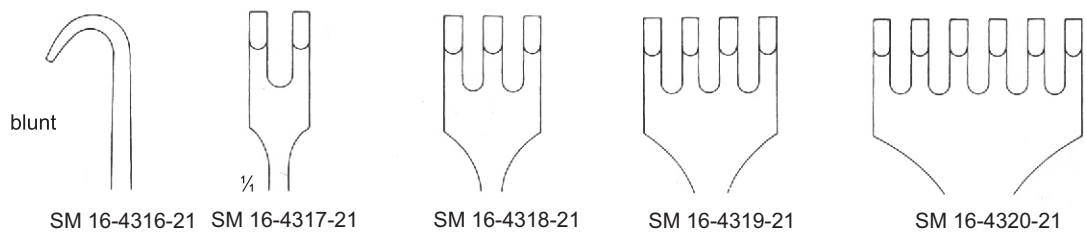
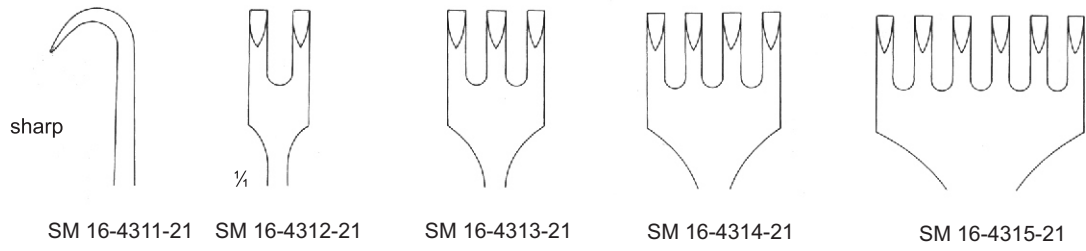
SM 16-4309-16



SM 16-4310-16

16 cm/6 1/4"

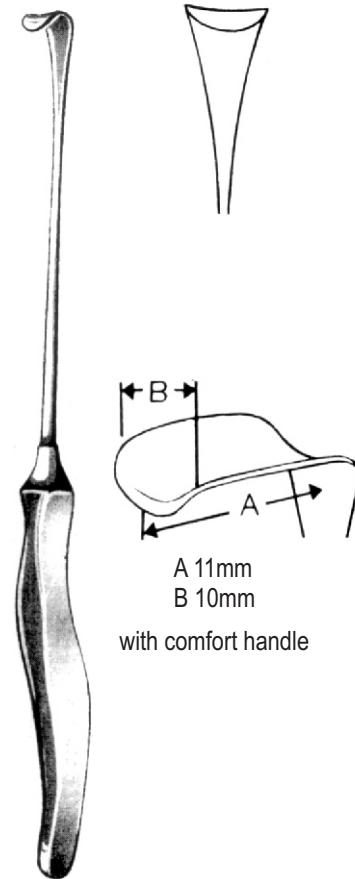
Measurements of retractors: Depth x Width



VOLKMANN
 21.5 cm/8 1/2"



CUSHING
 SM 16-4321-21
 21.5 cm/8 1/2"
 SM 16-4322-25
 25 cm/10"

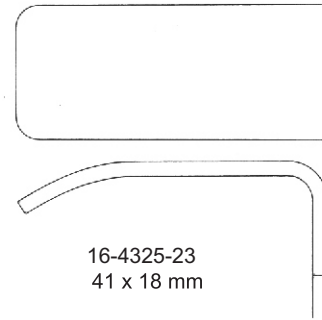


CUSHING
 SM 16-4323-21
 24.5 cm/9 5/8"
 SM 16-4324-28
 28 cm/11"

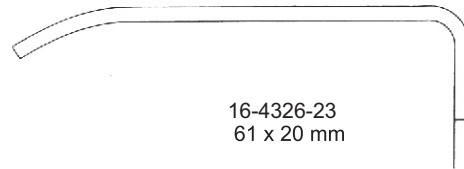




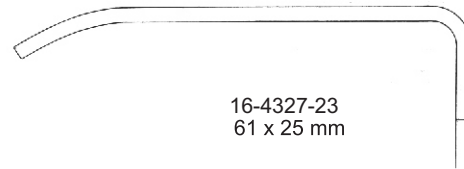
KOCHER
23 cm/9"



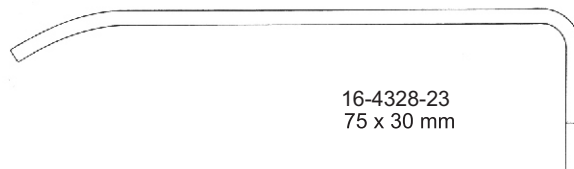
16-4325-23
41 x 18 mm



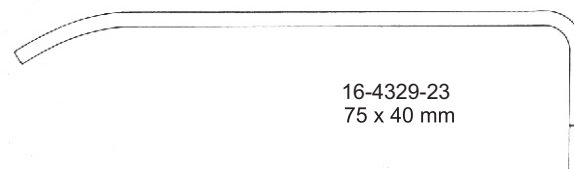
16-4326-23
61 x 20 mm



16-4327-23
61 x 25 mm



16-4328-23
75 x 30 mm

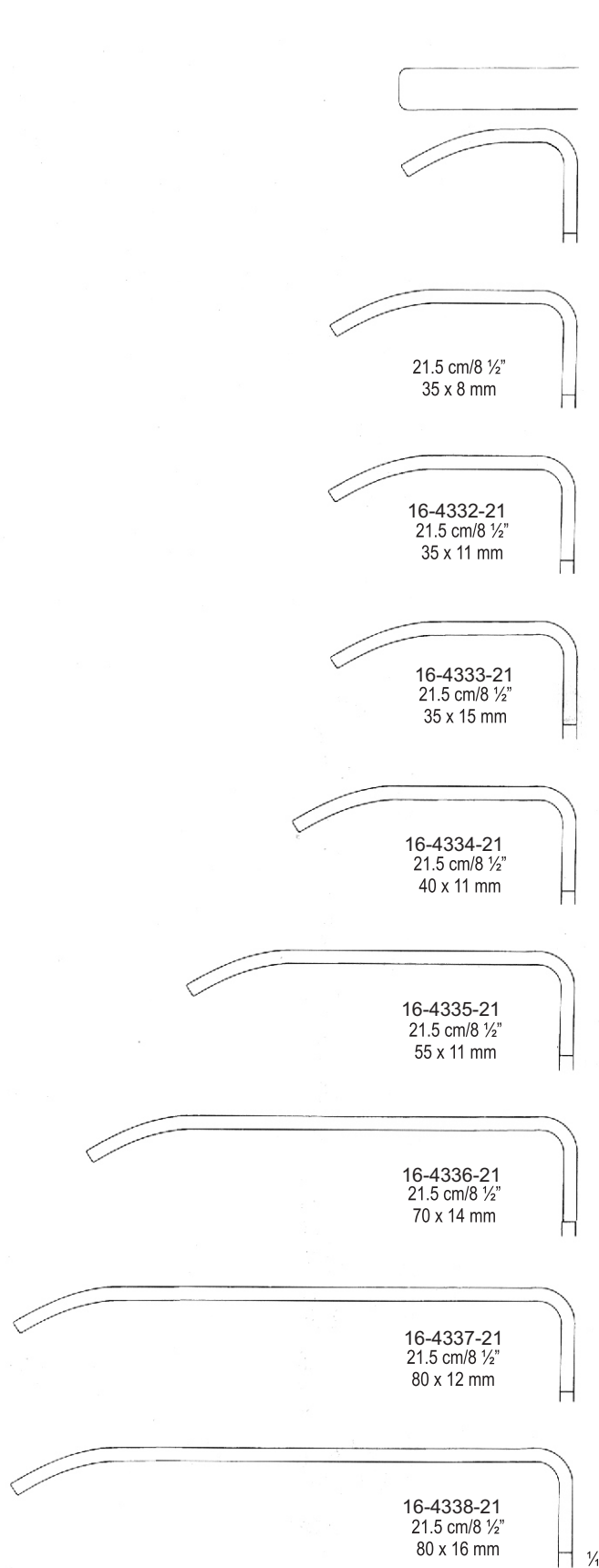


16-4329-23
75 x 40 mm

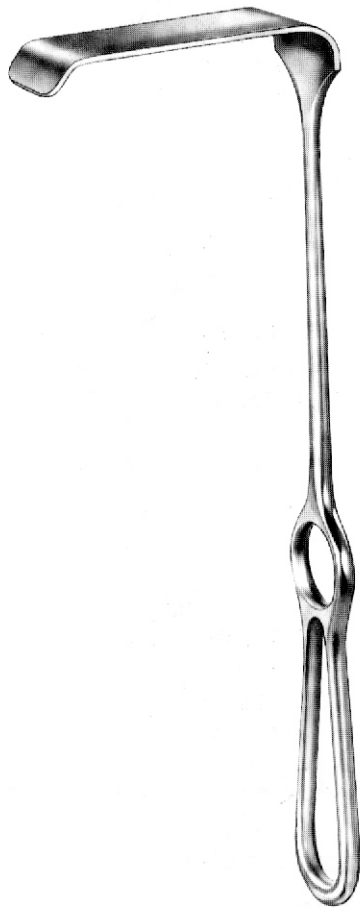
1/4



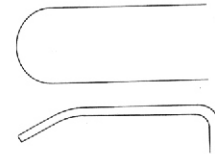
KOCHER-LANGENBECK
 21.5 cm/8 1/2"



Measurements of retractors: Depth x Width



KOCHER-LANGENBECK
21.5 cm/8 1/2"



16-4339-21
21.5 cm/8 1/2"
25 x 10 mm



16-4340-21
21.5 cm/8 1/2"
40 x 13 mm



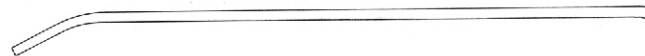
16-4341-21
21.5 cm/8 1/2"
60 x 13 mm



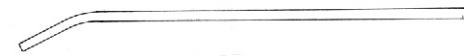
16-4342-21
21.5 cm/8 1/2"
40 x 18 mm



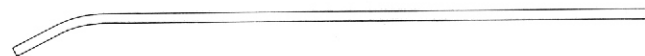
16-4343-21
21.5 cm/8 1/2"
60 x 18 mm



16-4344-21
21.5 cm/8 1/2"
85 x 18 mm



16-4345-21
21.5 cm/8 1/2"
60 x 25 mm

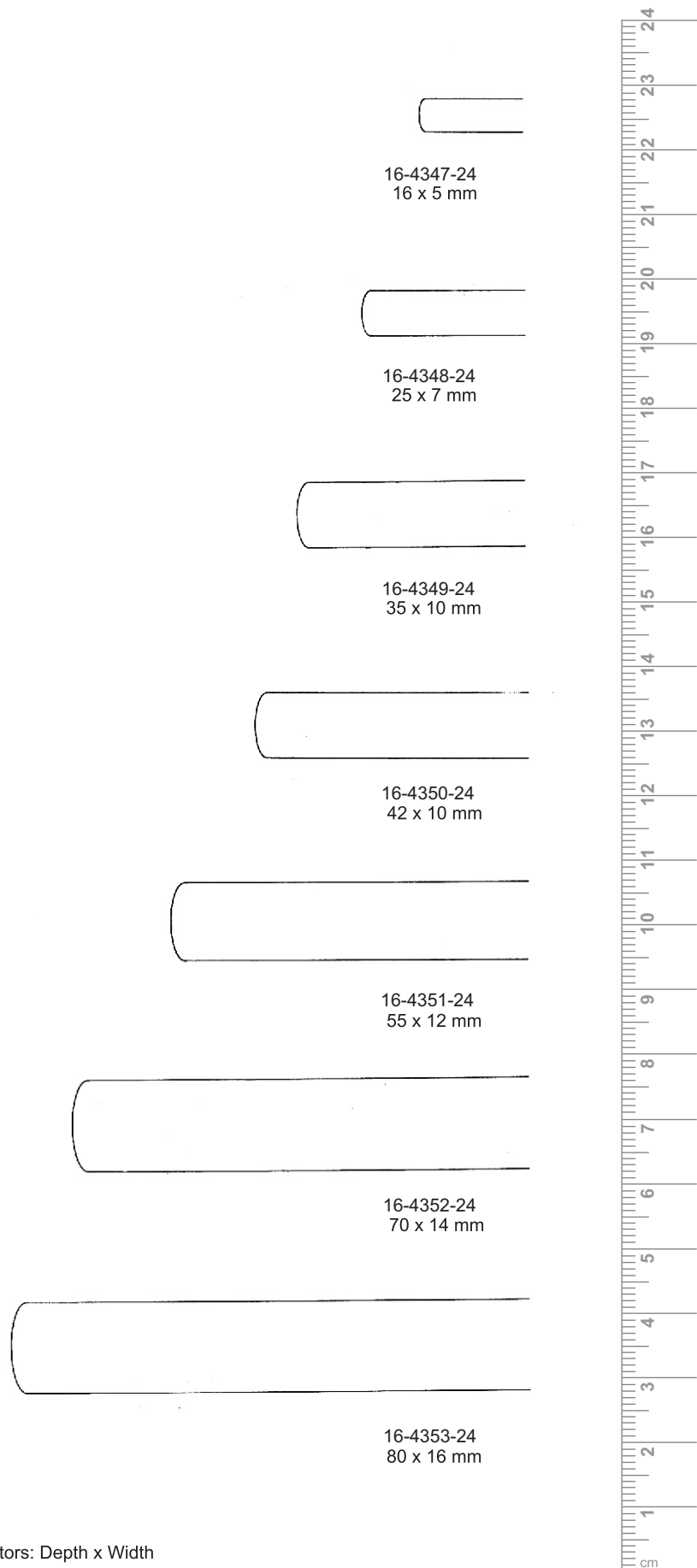


16-4346-21
21.5 cm/8 1/2"
85 x 25 mm

Measurements of retractors: Depth x Width



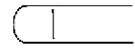
OBWEGESER
 24 cm/9 1/2"
 bent downwards



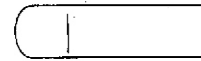
Measurements of retractors: Depth x Width



OBWEGESER
24cm/9 1/2"
bent upward



16-4354-24
16 x 5 mm



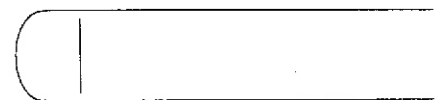
16-4355-24
25 x 7 mm



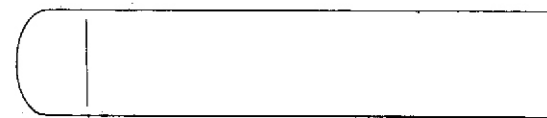
16-4356-24
35 x 10 mm



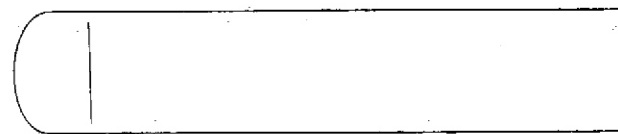
16-4357-24
42 x 10 mm



16-4358-24
55 x 12 mm

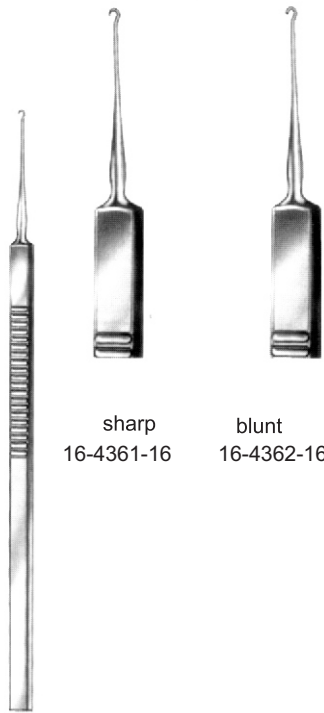


16-4359-24
70 x 14 mm



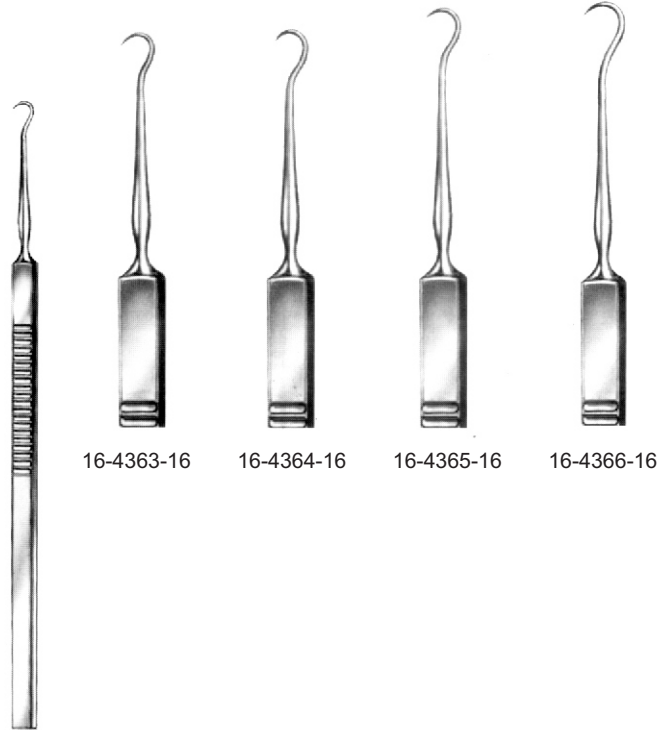
16-4360-24
80 x 16 mm

Measurements of retractors: Depth x Width



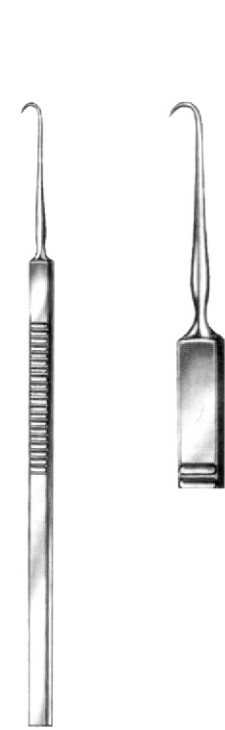
sharp
16-4361-16
blunt
16-4362-16

GRAEFE
16 cm/6 1/4"

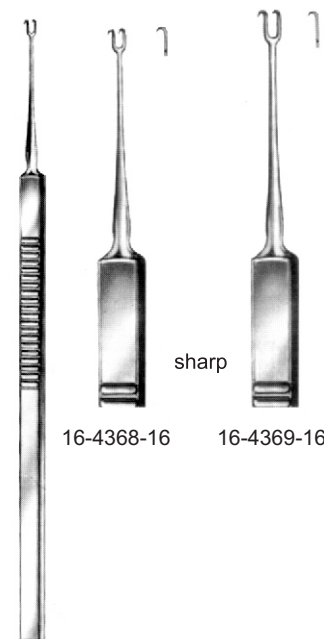


16-4363-16 16-4364-16 16-4365-16 16-4366-16

GRAEFE
16 cm/6 1/4"

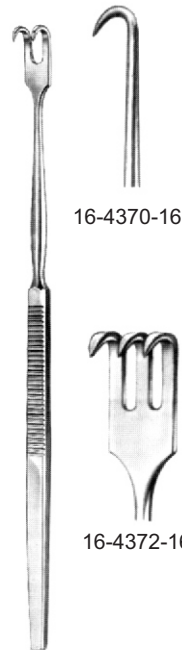


O'CONNOR
16-4367-16
16 cm/6 1/4"



sharp
16-4368-16 16-4369-16

GUTHRIE
16 cm/6 1/4"



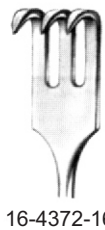
16-4370-16

KEHLENGRIFF
16 cm/6 1/4"



sharp

16-4371-16



sharp

16-4372-16



16-4373-16



blunt

16-4374-16

KEHLENGRIFF
16 cm/6 1/4"



16-4376-16



16-4375-16

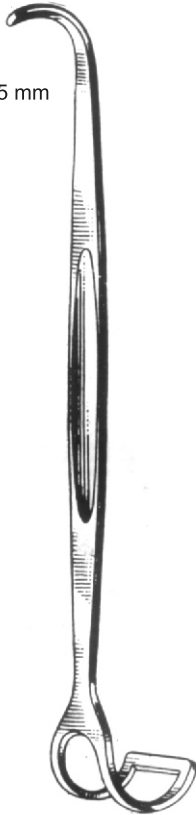


16-4377-16

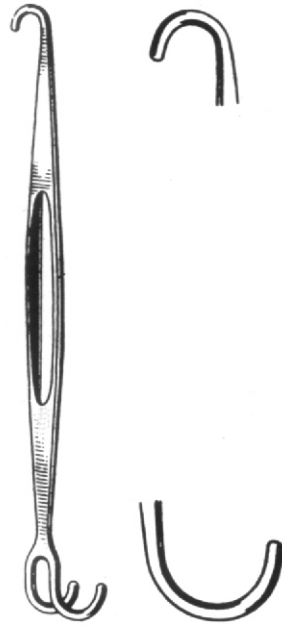
Measurements of retractors: Depth x Width



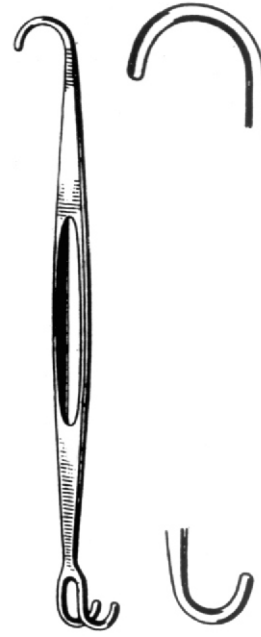
16 x 5 mm



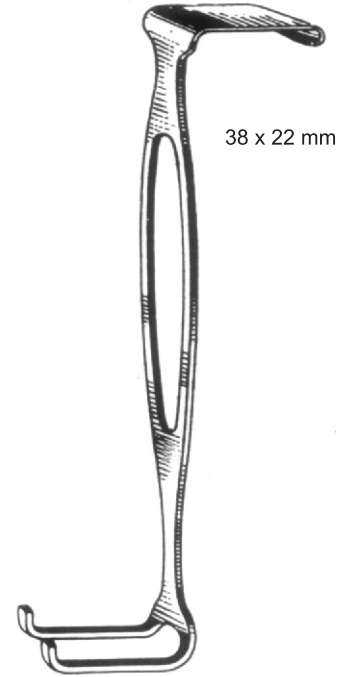
CANNY RYALL
16-4378-15 15mm
16-4378-20 20mm
16-4378-25 25mm
16-4378-30 30mm



CANNY RYALL
16-4379-17 17 cm/6 3/4"



CANNY RYALL
16-4380-17 17 cm/6 3/4"



38 x 22 mm

CZERNEY
16-4381-17 17 cm/6 3/4"



16-4382-23

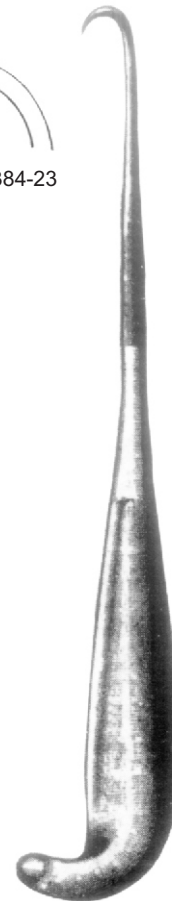


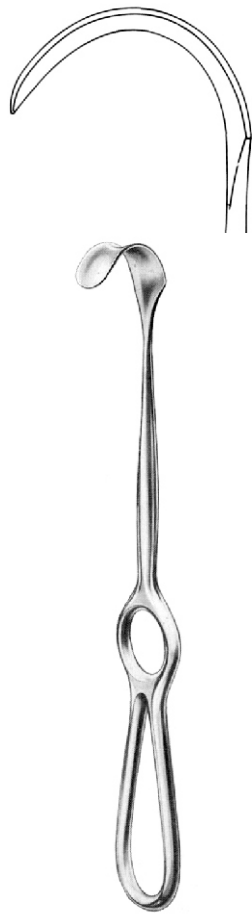
16-4383-23



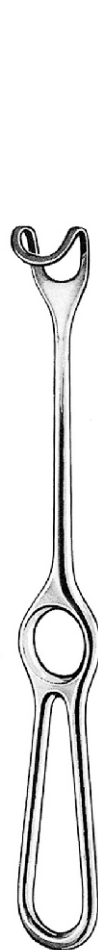
16-4384-23

Sharp





KOCHER
 22 cm/8 1/2"
 16-4385-22 40 x 10 mm
 16-4386-22 40 x 15 mm
 16-4387-22 40 x 20 mm



16-4388-21

MIDDELDORPF



14 x 17 mm
 21.5 cm/8 1/2"

16-4389-21



20 x 22 mm
 22 cm/8 1/2"

16-4390-22

16-4391-21



26 x 30 mm
 23.5 cm/9 1/4"

16-4392-23

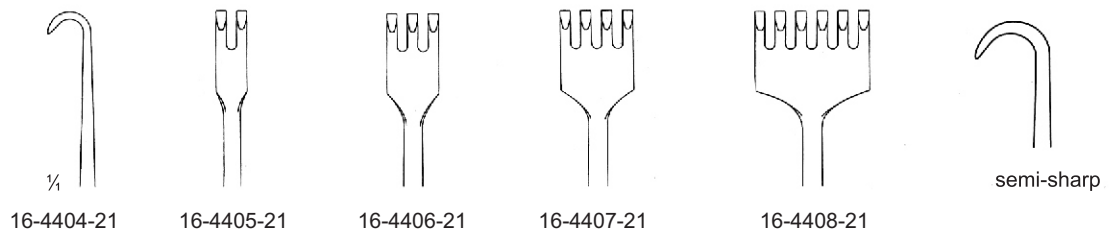
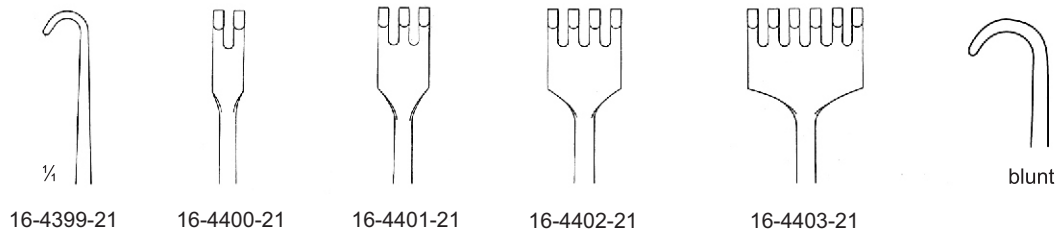
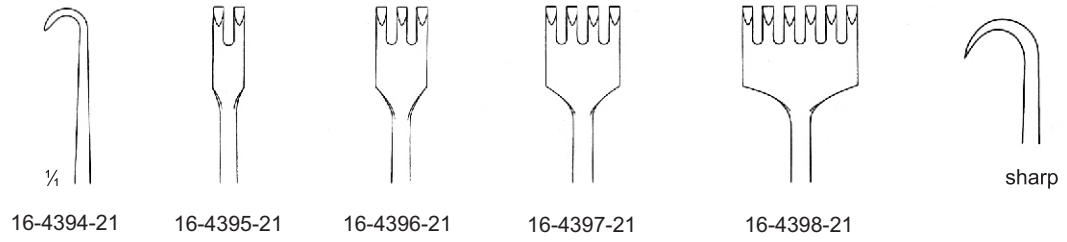
16-4393-23



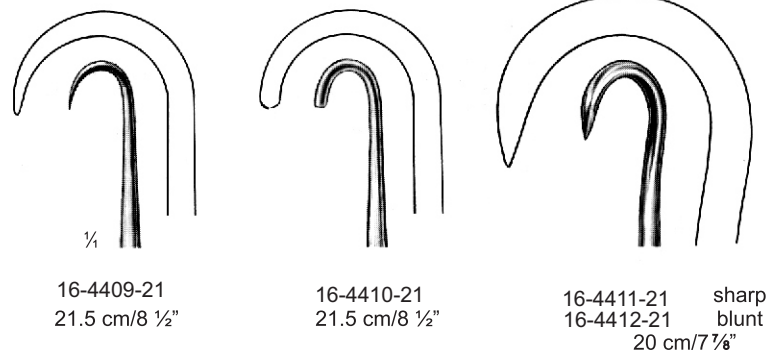
MIDDELDORPF



Measurements of retractors: Depth x Width



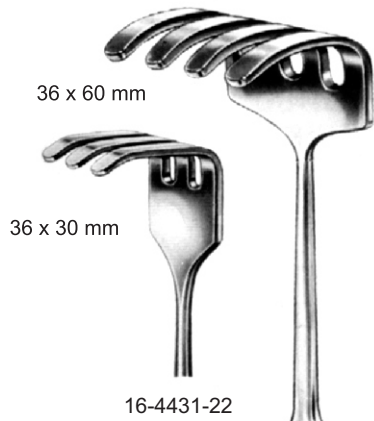
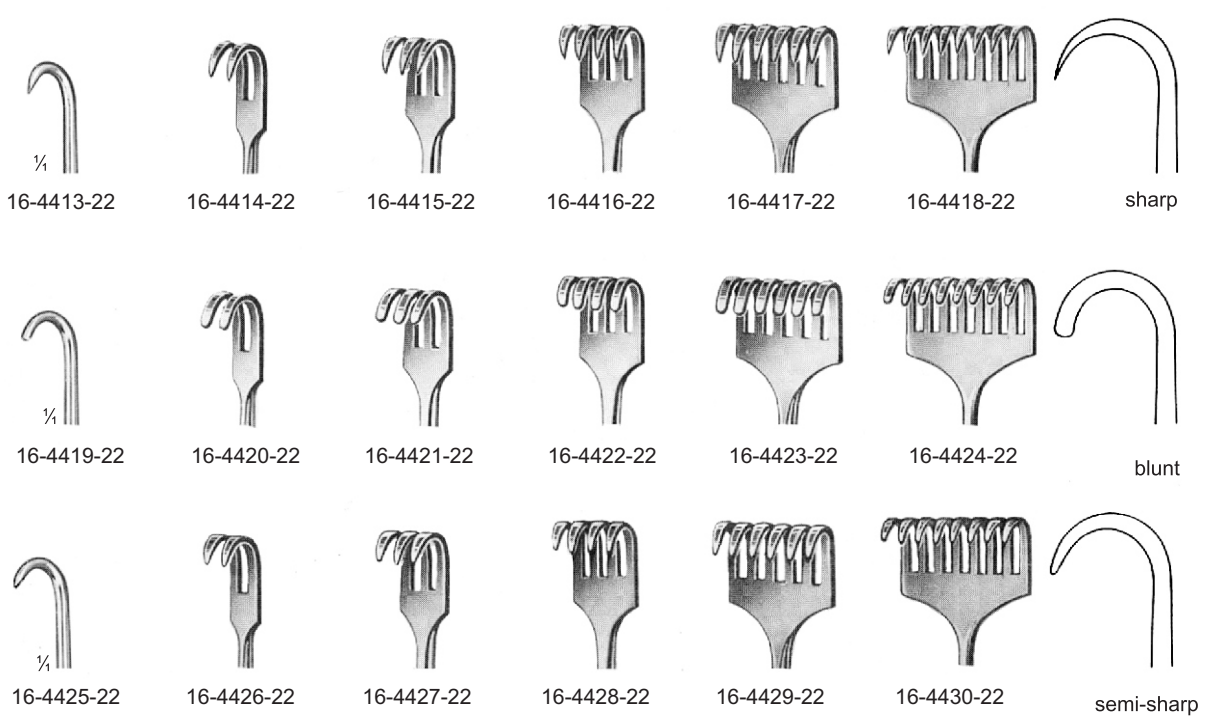
VOLKMANN
21.5 cm/8 1/2"



Measurements of retractors: Depth x Width



KOCHER
 22 cm/8 1/2"



OLLIER
 16-4432-22
 22.5 cm/8 3/4"



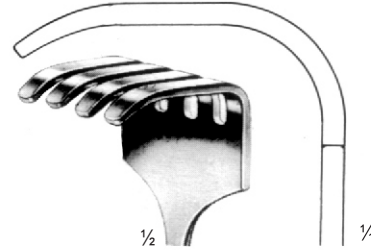
WASSMUND
 16-4433-20
 20 cm/7 7/8"

Measurements of retractors: Depth x Width

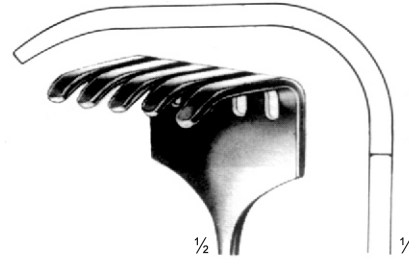




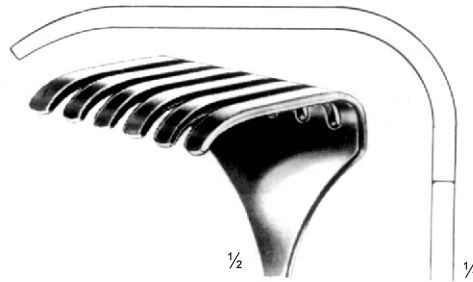
16-4434-27
27 cm/10 1/2"



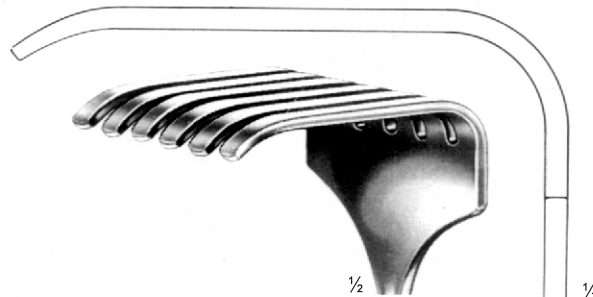
16-4435-25
40 x 40 mm



16-4436-25
45 x 50 mm



16-4437-25
50 x 60 mm



16-4438-25
70 x 70 mm



ISRAEL
25 cm/9 7/8"

Measurements of retractors: Depth x Width

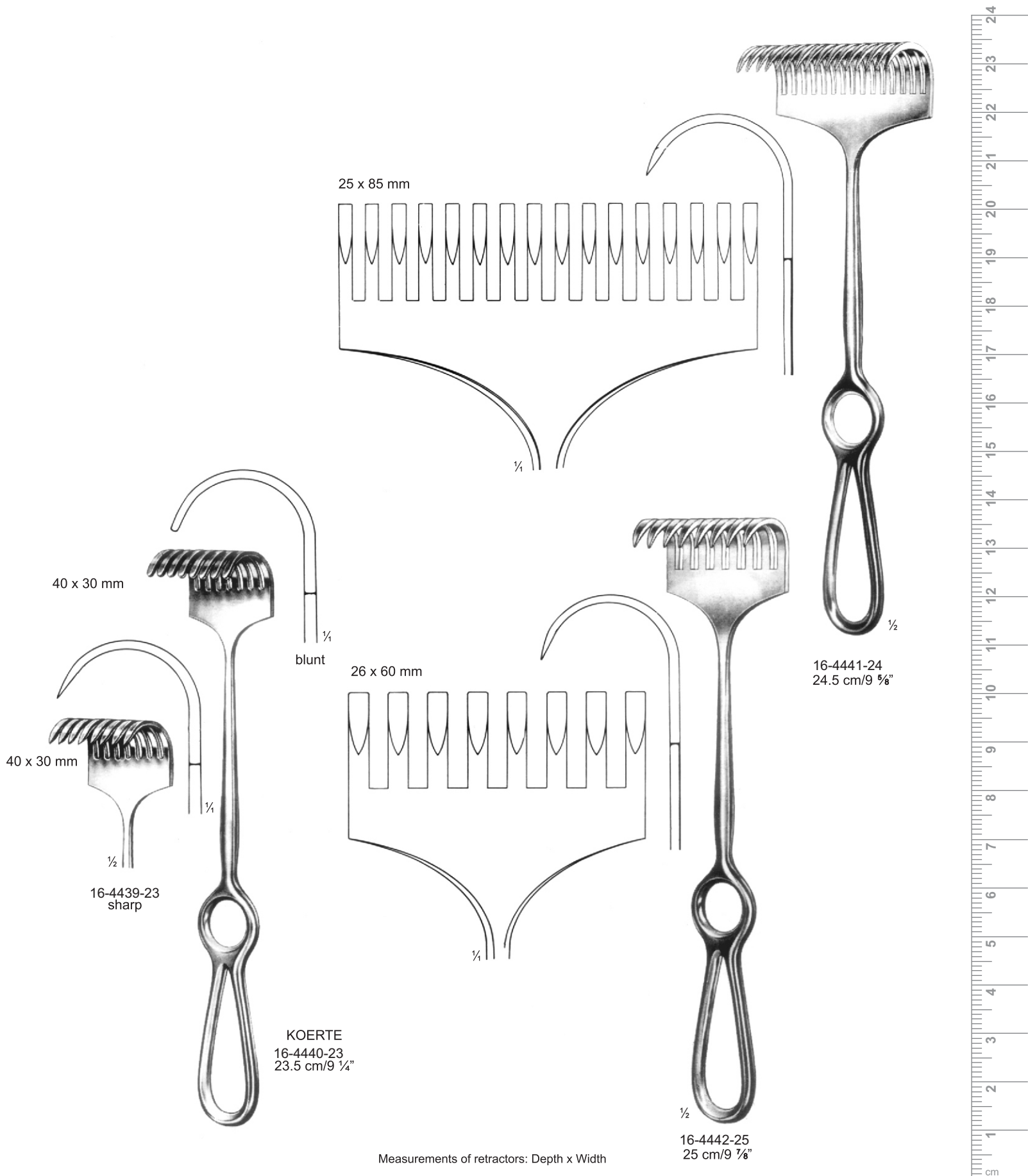




Fig. 1
16-4443-26
26 cm/10 1/4"
25 x 20 mm
30 x 28 mm

Fig. 2
16-4444-27
27.5 cm/10 3/4"
43 x 38 mm
63 x 44 mm

RICHARDSON-EASTMAN
16-4445-1
Set Fig. 1 + 2

RICHARDSON

RICHARDSON
16-4448-24
24 cm/9 1/2"

KELLY
16-4449-26 62 x 50 mm
16-4450-26 70 X 65 mm
26 cm/10 1/4"

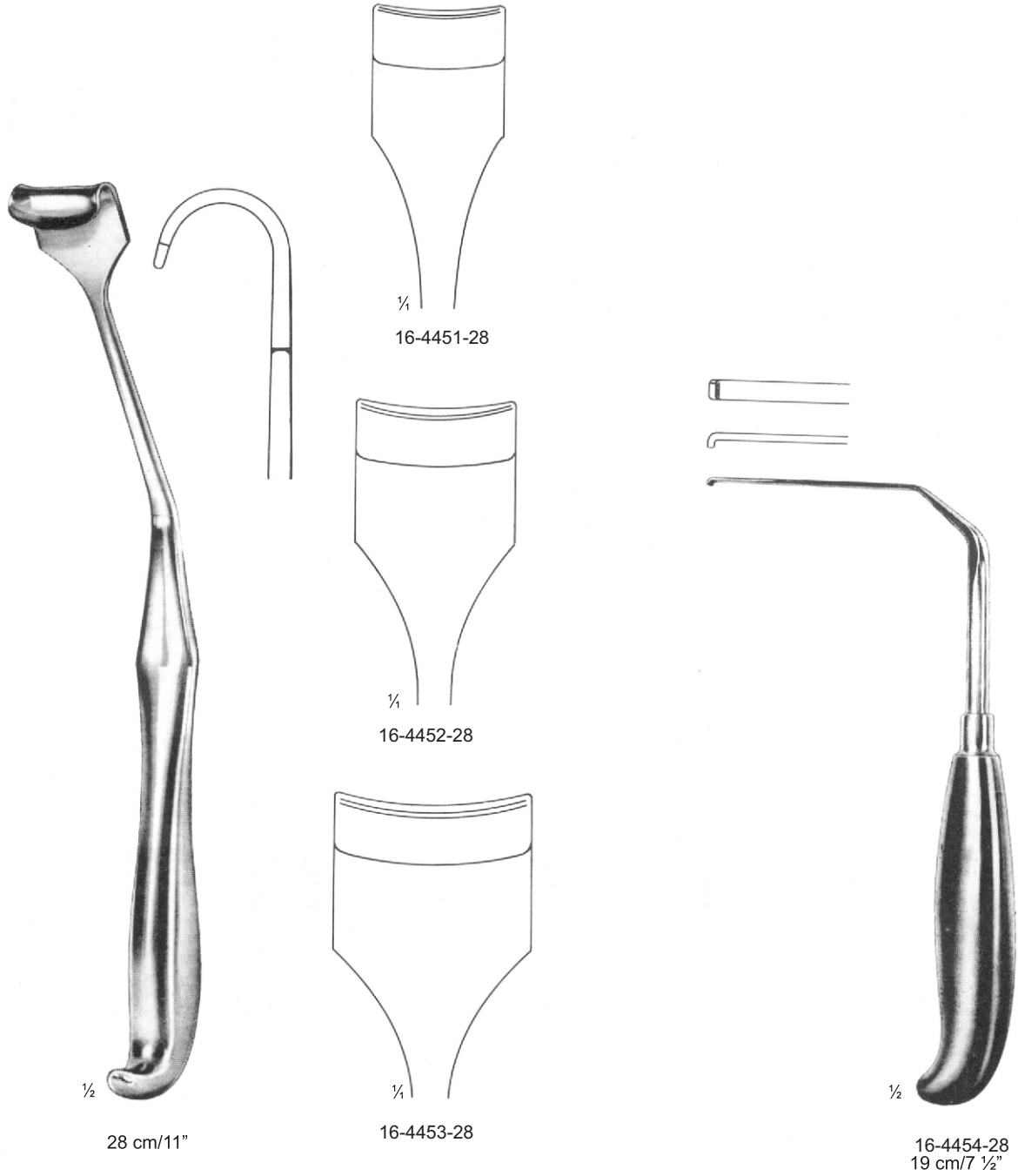
16-4446-23
23.5 cm/9 1/4"
25 x 21 mm

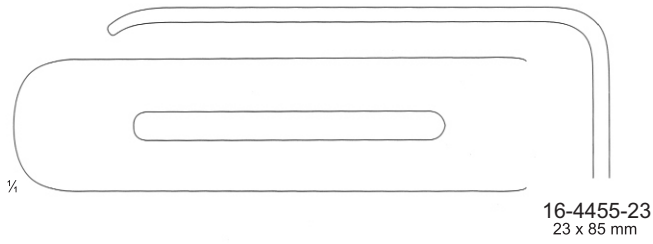
16-4446-24
24 cm/9 1/2"
30 x 29 mm

16-4447-24
24 cm/9 1/2"
38 x 40 mm

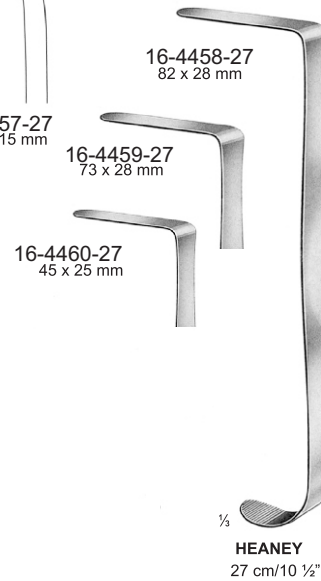
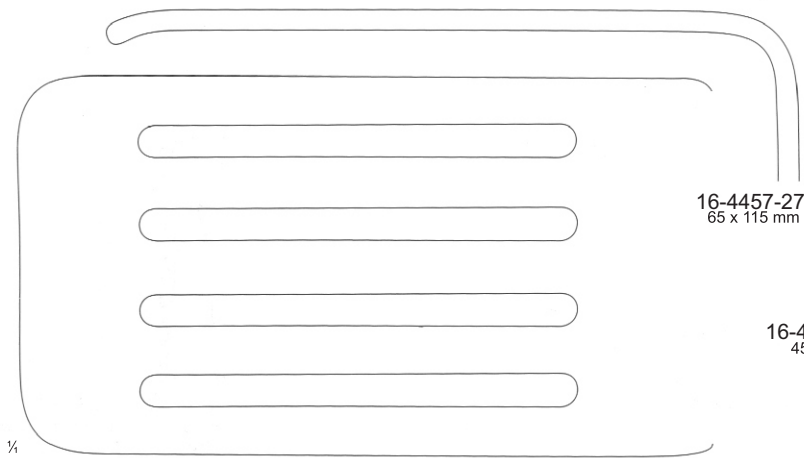
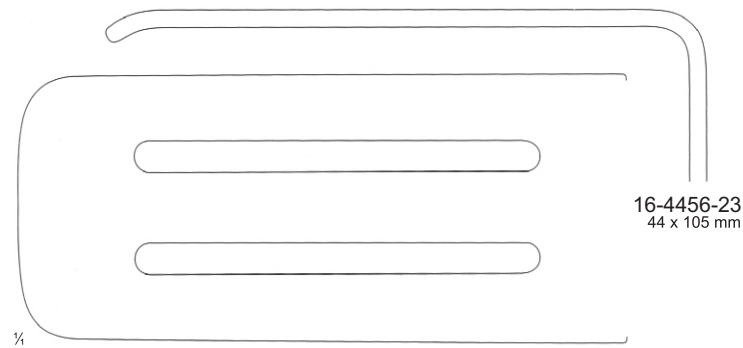
1/4

48 x 22 mm





CORYLLOS
23 cm/9"





50 x 85 mm

70 x 25 mm

½

½

DOYEN

16-4461-25
 25 cm/9 7/8"

KOCHER

16-4462-22
 22.5 cm/8 3/4"

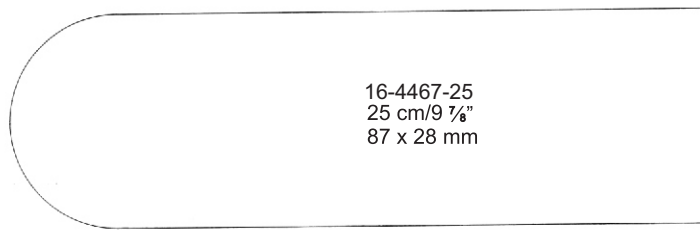
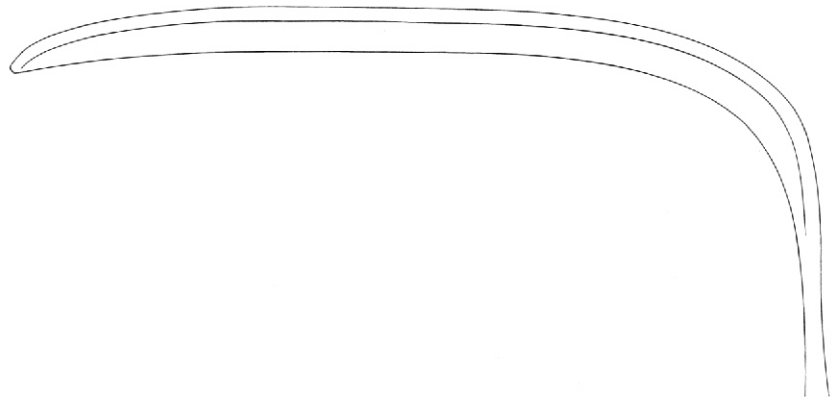
KOCHER

	Total length	Blade
	cm in.	mm
16-4463-25	25 9 7/8"	80 x 45
16-4464-25	25 9 7/8"	80 x 55
16-4465-25	25 9 7/8"	80 x 65

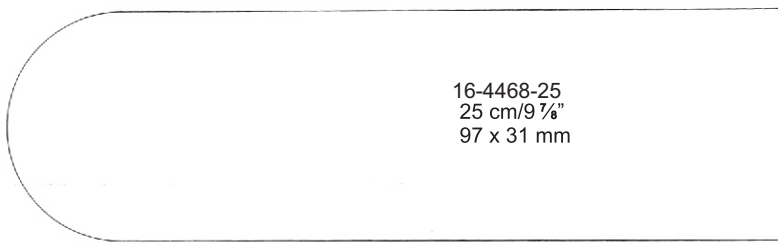
TUFFIER

16-4466-21
 21.5 cm/8 1/2"

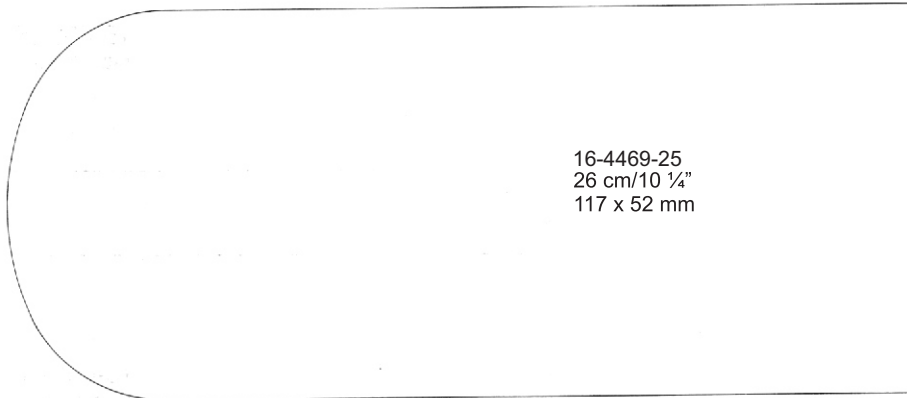
Measurements of retractors: Depth x width



16-4467-25
25 cm/9 7/8"
87 x 28 mm



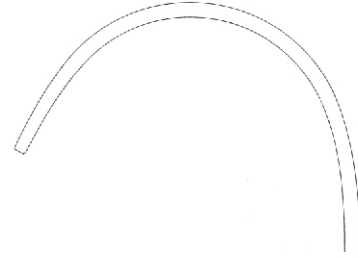
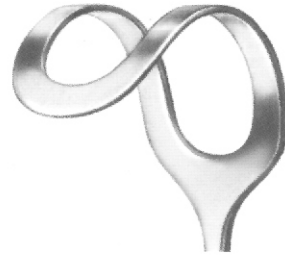
16-4468-25
25 cm/9 7/8"
97 x 31 mm



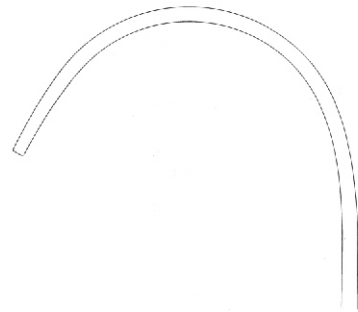
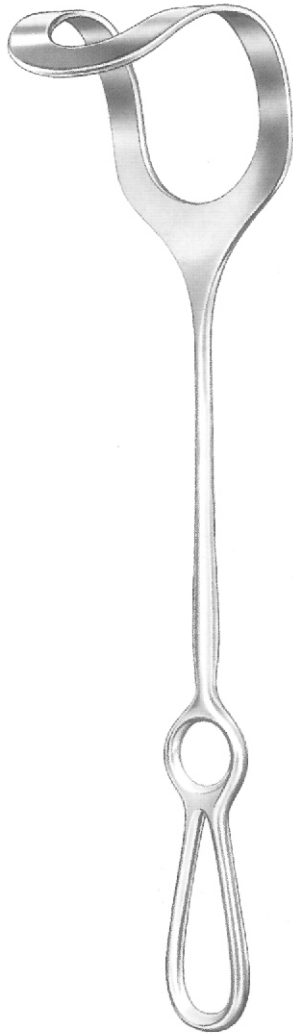
16-4469-25
26 cm/10 1/4"
117 x 52 mm



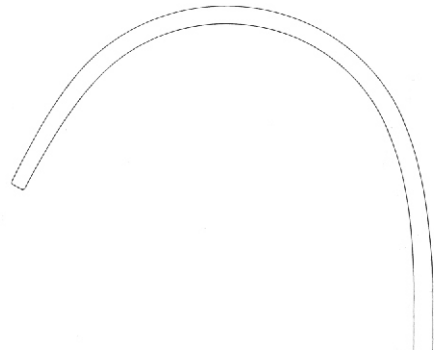
DOYEN-STILLE



16-4470-27
 27 cm/10 1/2"
 43 x 45 mm



16-4471-27
 27 cm/10 1/2"
 52 x 50 mm



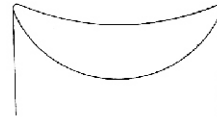
16-4471-28
 28 cm/11"
 52 x 70 mm

MIDDELDORPF

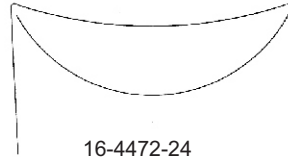




FRITSCH



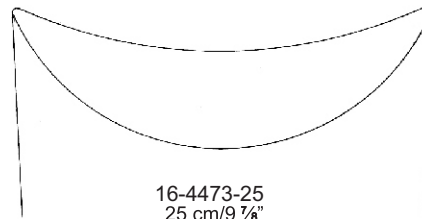
16-4472-23
23.5 cm/9 1/4"
37 x 31 mm



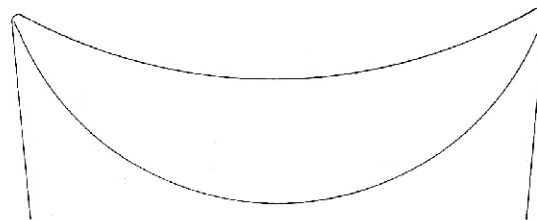
16-4472-24
24 cm/9 1/2"
38 x 40 mm



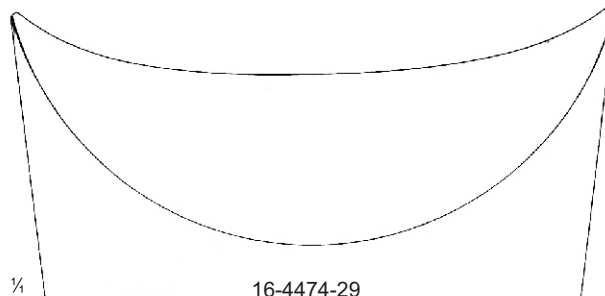
16-4472-25
25 cm/9 7/8"
43 x 51 mm



16-4473-25
25 cm/9 7/8"
49 x 61 mm

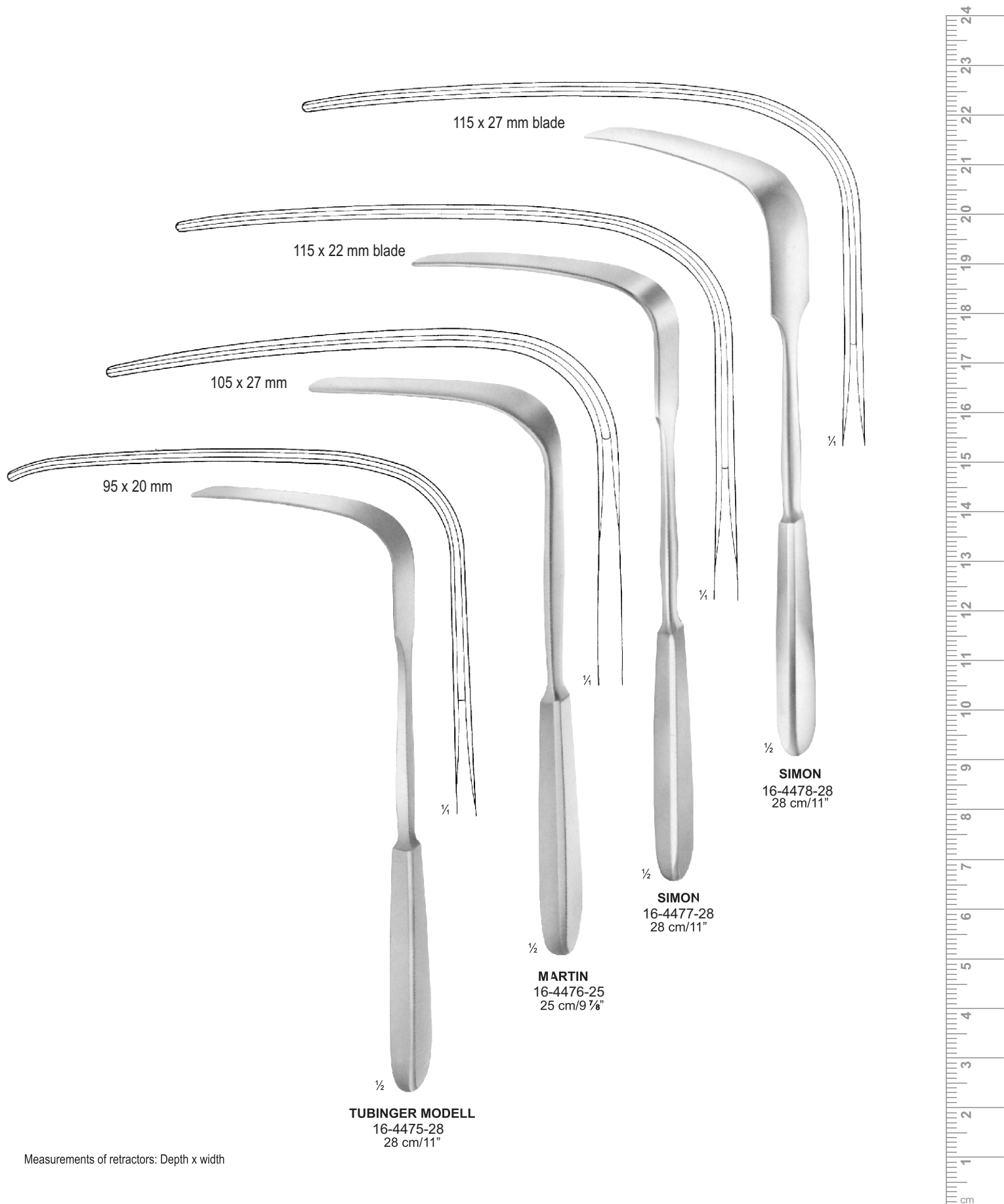


16-4474-25
25.5 cm/10"
48 x 75 mm



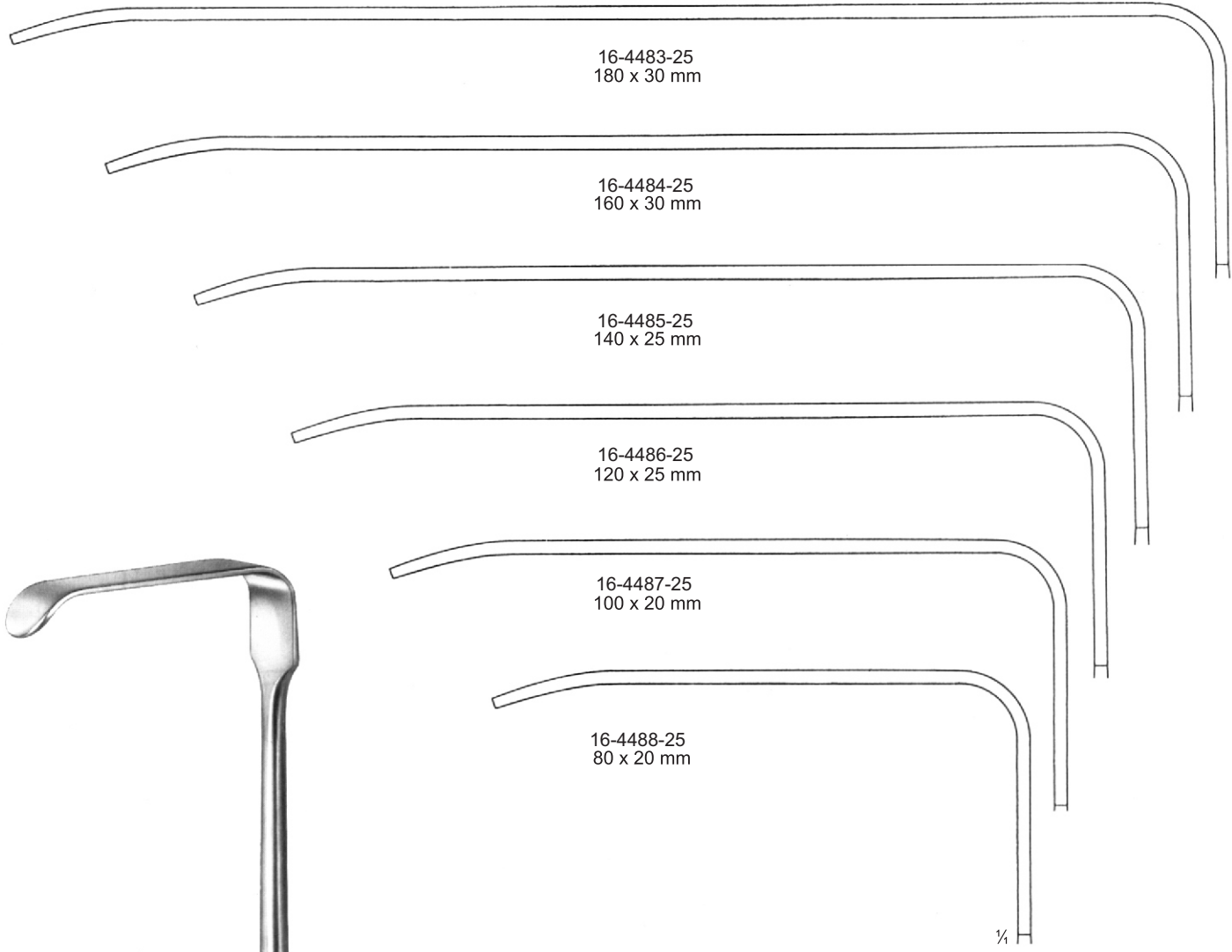
16-4474-29
29.5 cm/11 3/4"
65 x 85 mm

Retractors, Abdominal Retractors ● EN
 Wundhaken, Bauchdeckenhalter ● DE
 Separadores, Separadores abdominales ● ES
 Rétracteurs, rétracteurs abdominaux ● FR
 Divaricatori, divaricatori addominalix ● IT



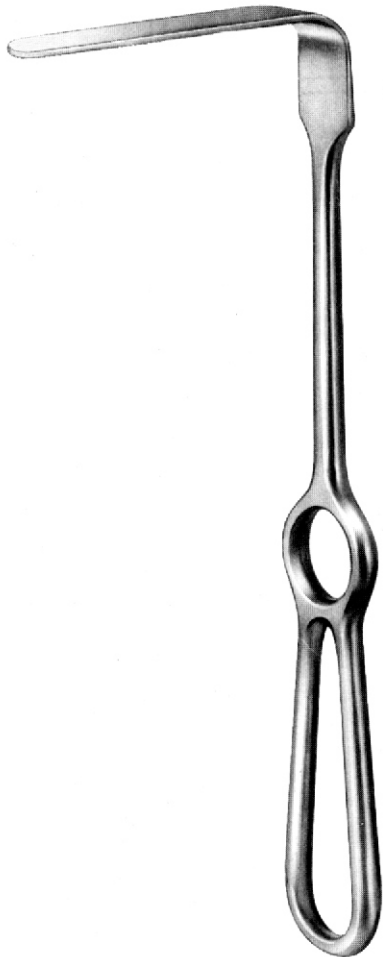
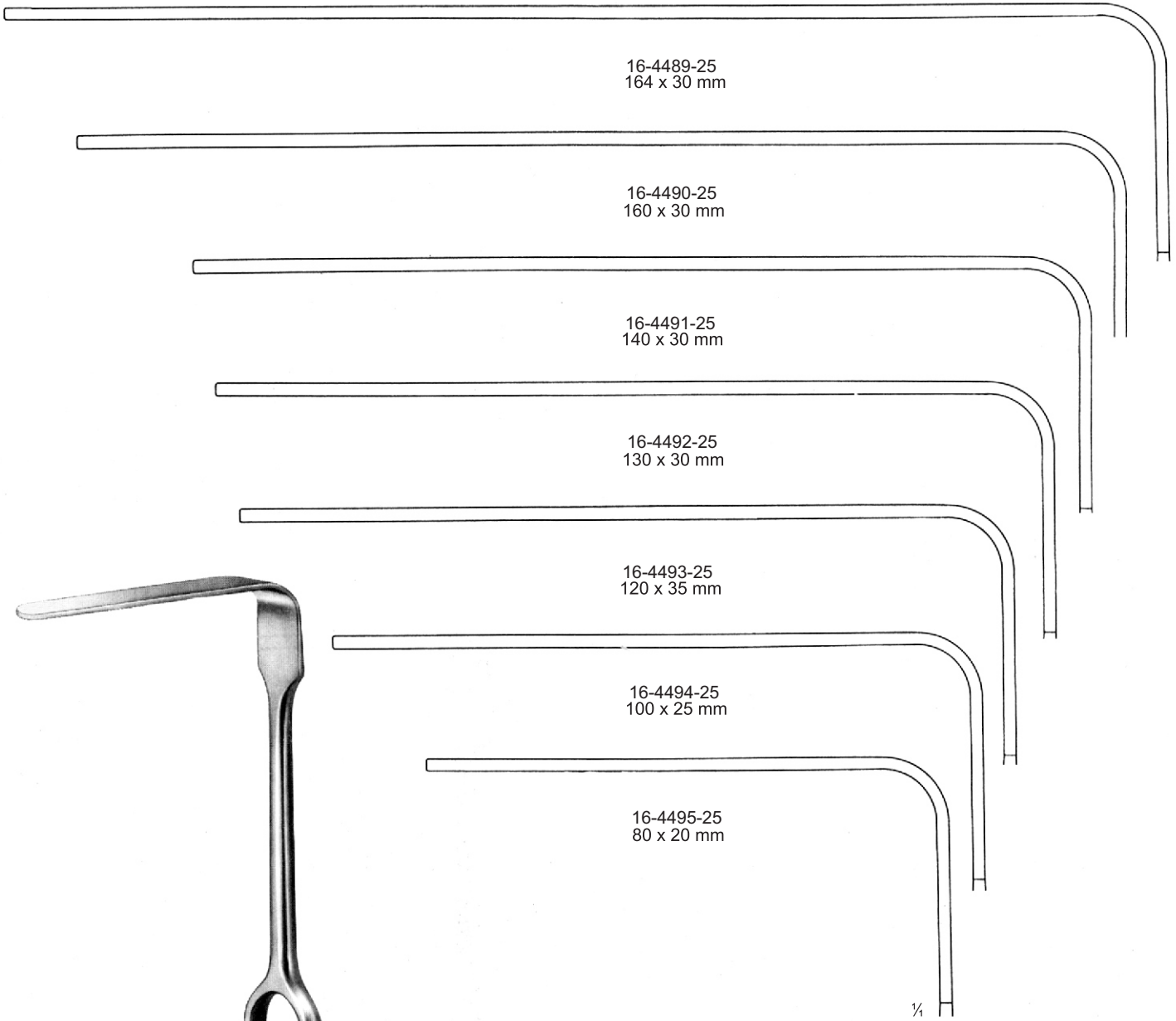
Measurements of retractors: Depth x width





BRUNNER
25 cm/9 7/8"





BRUNNER
25.5 cm/10"

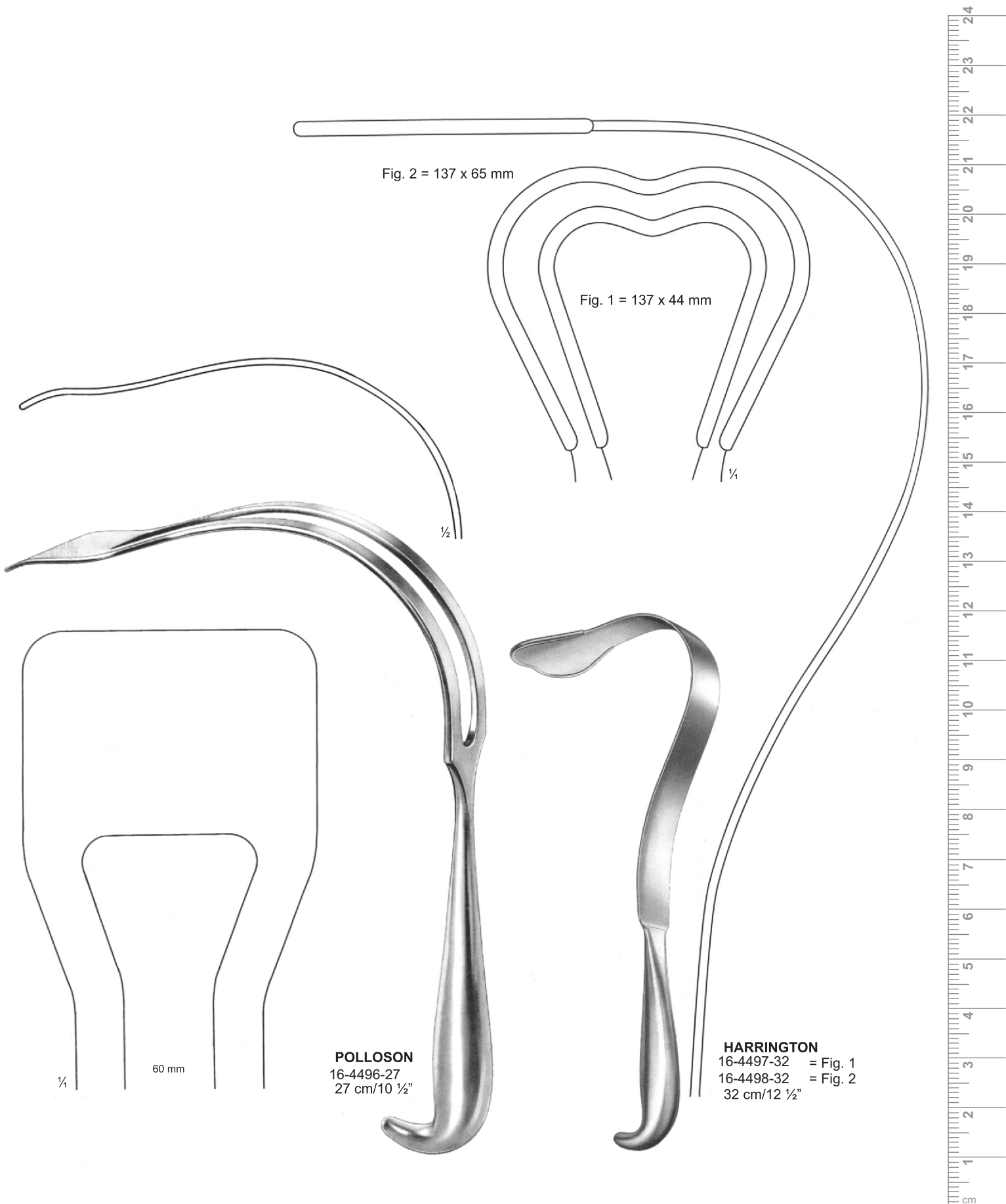
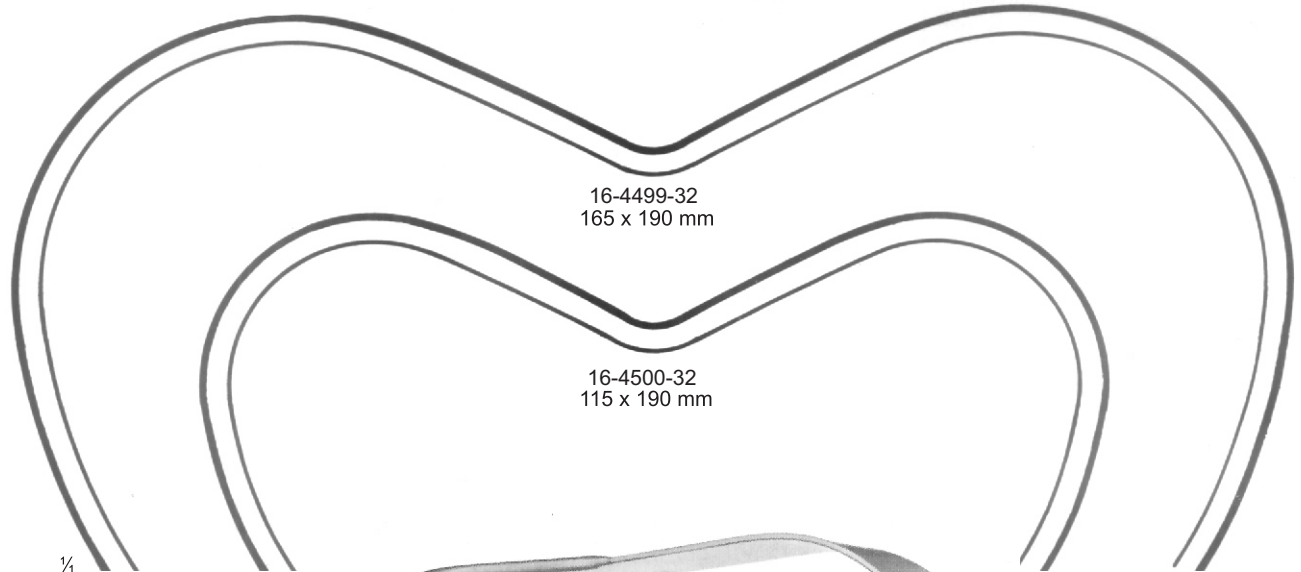


Fig. 2 = 137 x 65 mm

Fig. 1 = 137 x 44 mm

POLLOSON
 16-4496-27
 27 cm/10 ½"

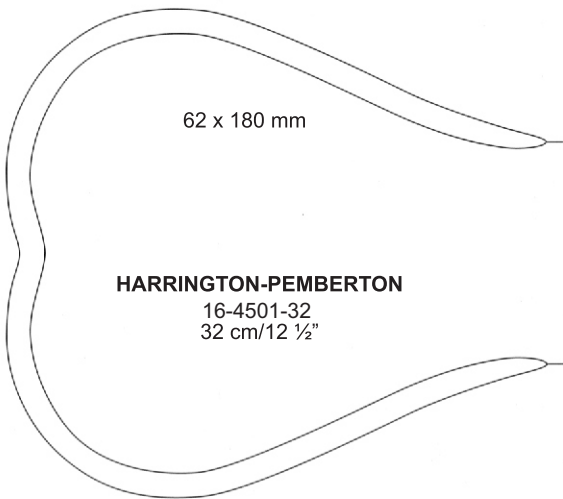
HARRINGTON
 16-4497-32 = Fig. 1
 16-4498-32 = Fig. 2
 32 cm/12 ½"



16-4499-32
165 x 190 mm

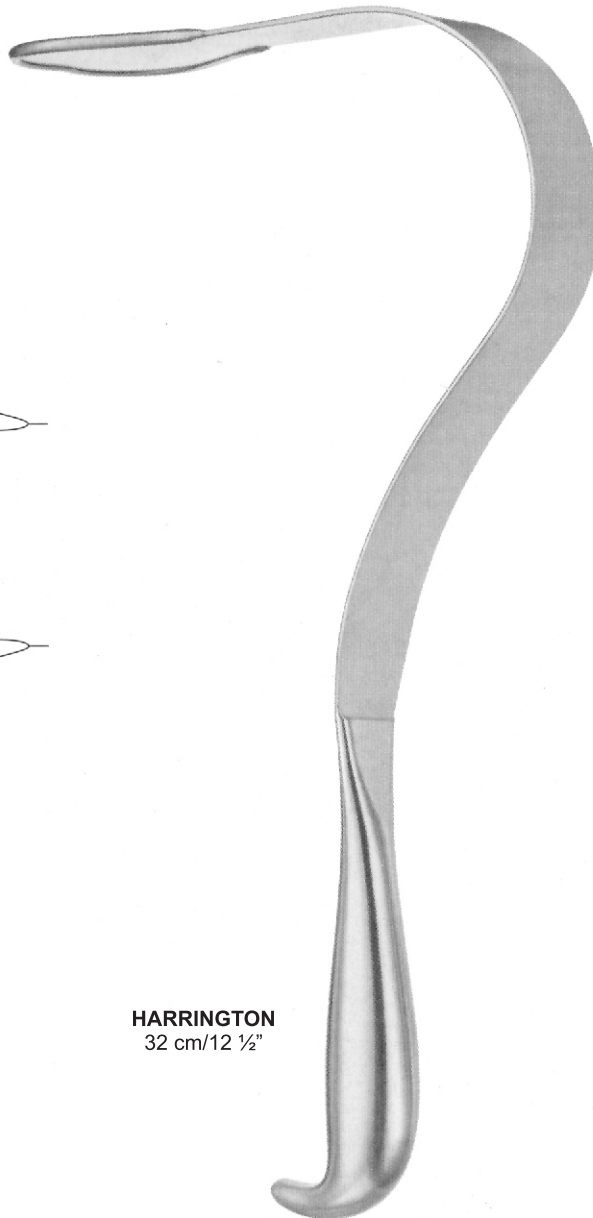
16-4500-32
115 x 190 mm

¼



62 x 180 mm

HARRINGTON-PEMBERTON
16-4501-32
32 cm/12 ½"

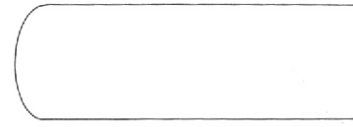


HARRINGTON
32 cm/12 ½"

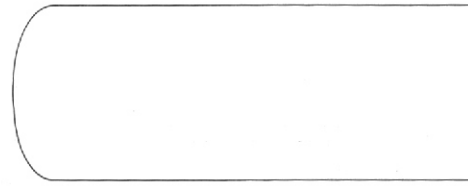
Measurements of retractors: Depth x Width



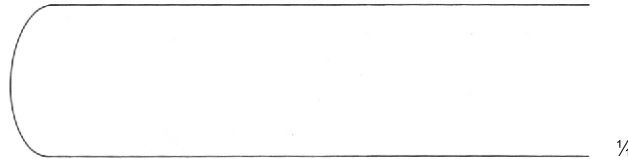
SAUERBRUCH
 22.5 cm/8 3/4"



16-4502-22
 45 x 15 mm



16-4503-22
 60 x 23 mm



16-4504-22
 72 x 20 mm



Measurements of retractors: Depth x Width





38 mm

50 mm

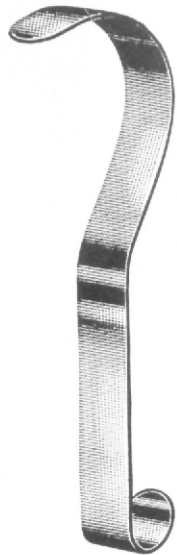
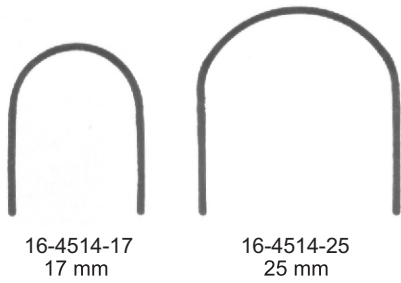
75 mm

DEAVER
16-4511-32
32 cm/12 1/2"

DEAVER
16-4512-31
31.5 cm/12 3/8"

DEAVER
16-4513-31
31.5 cm/12 3/8"

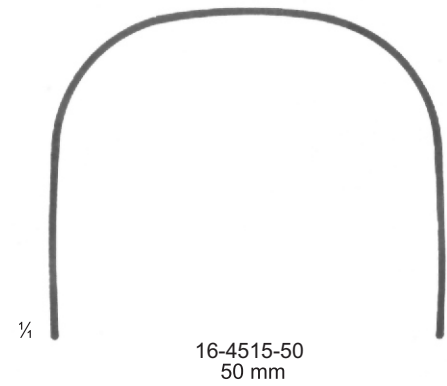
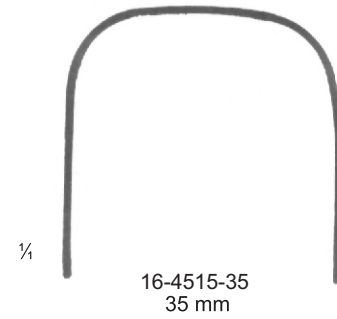
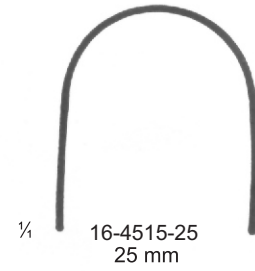




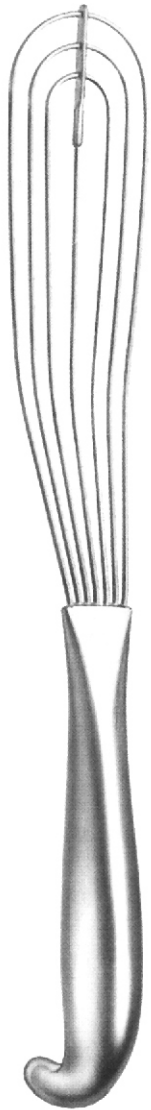
DEEVER-BABY



DEEVER



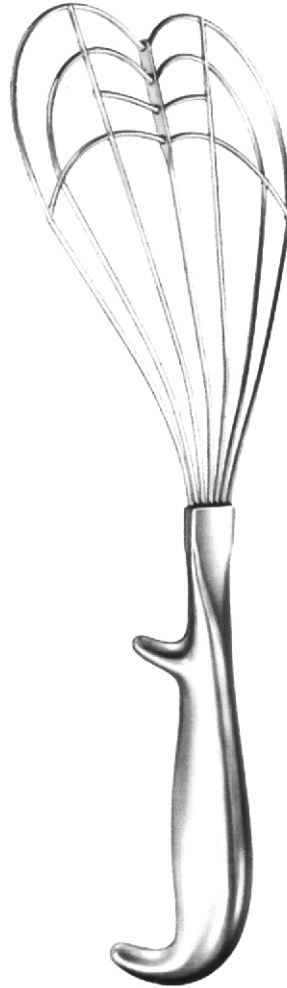
RETRACTORS



16-4516-29
 29.5 cm/11⁵/₈"
 width of blade 48 mm

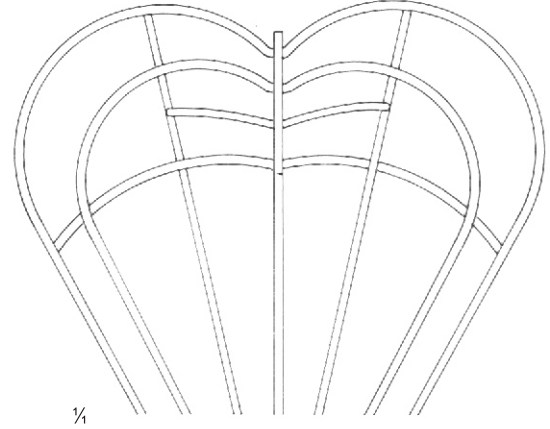
16-4516-33
 33 cm/13"
 width of blade 63 mm

ALLISON



16-4517-29
 29.5 cm/11⁵/₈"
 width of blade 132 mm

ALLISON



1/4

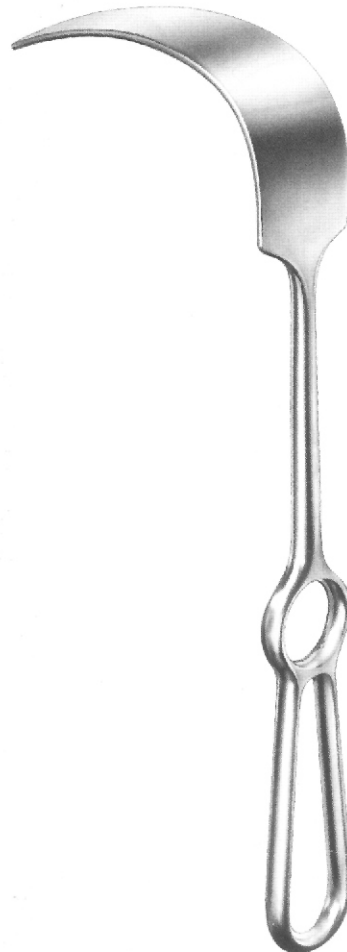
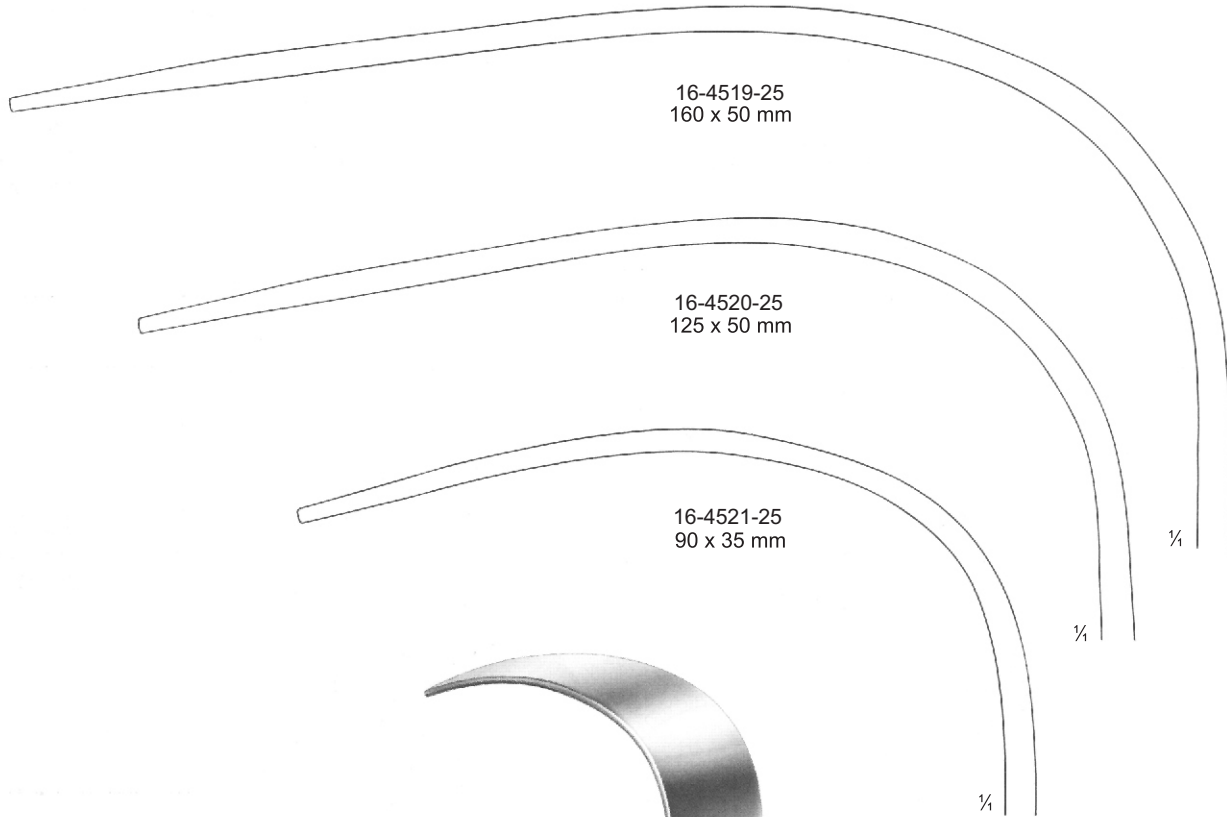


HIBBS

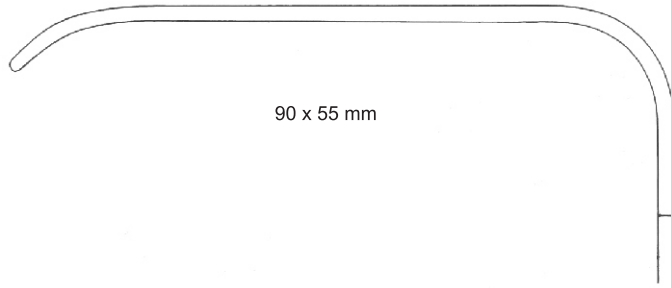
16-4518-75 75 x 25 mm
 16-4518-50 50 x 19 mm
 16-4518-25 25 x 13 mm



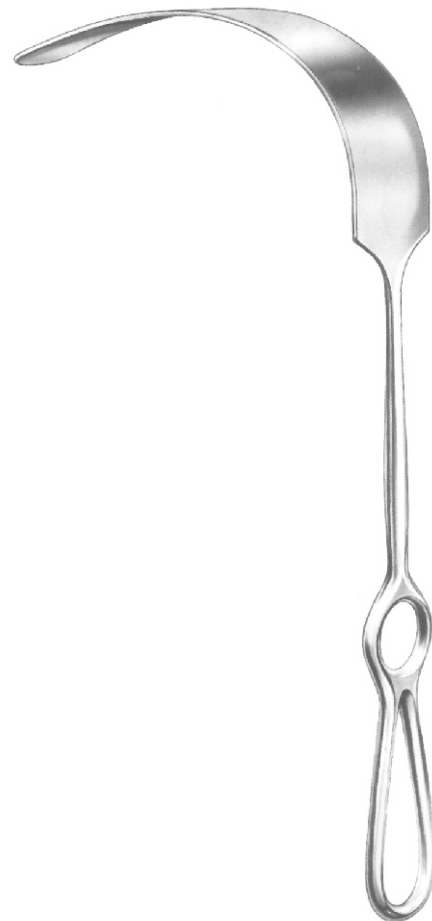
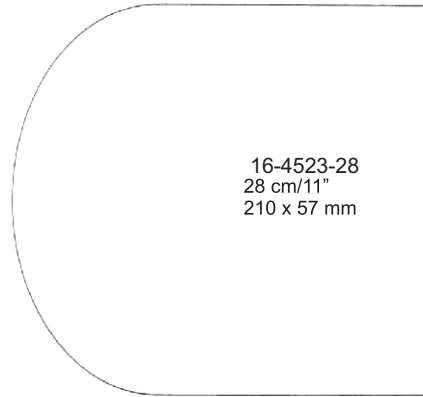
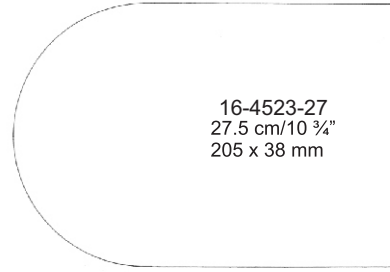
Measurements of retractors: Depth x Width



MIKULICZ
25 cm/9 7/8"

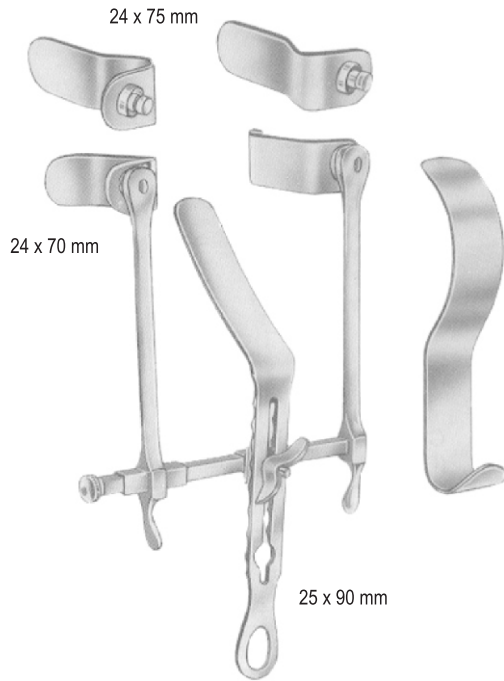


MIKULICZ
 16-4522-26
 26 cm/10 3/8"

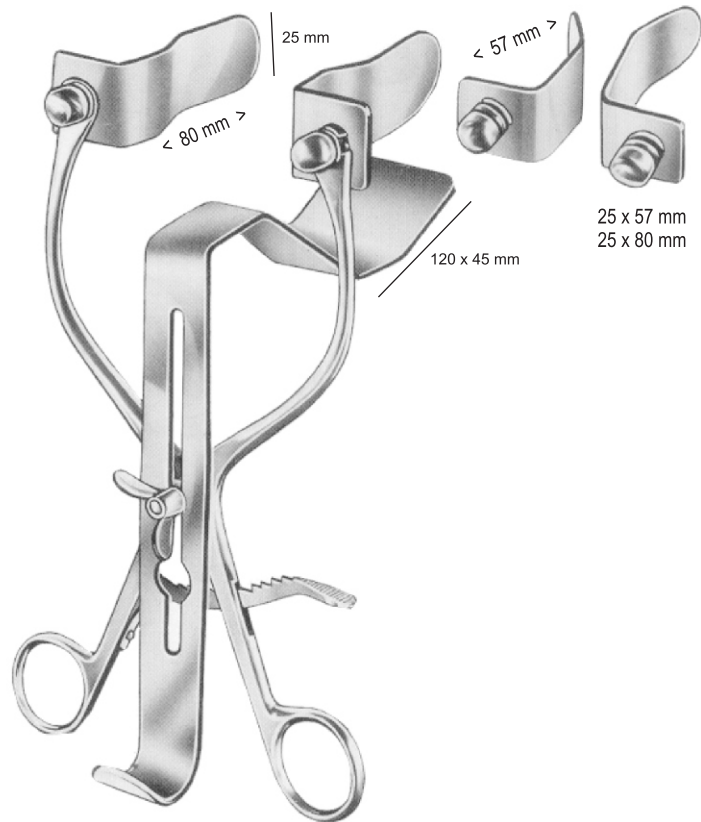


KELLY





THOMSON-WALKER
16-4803-25



MILLIN
16-4804-25

Measurements of retractors: Depth x Width