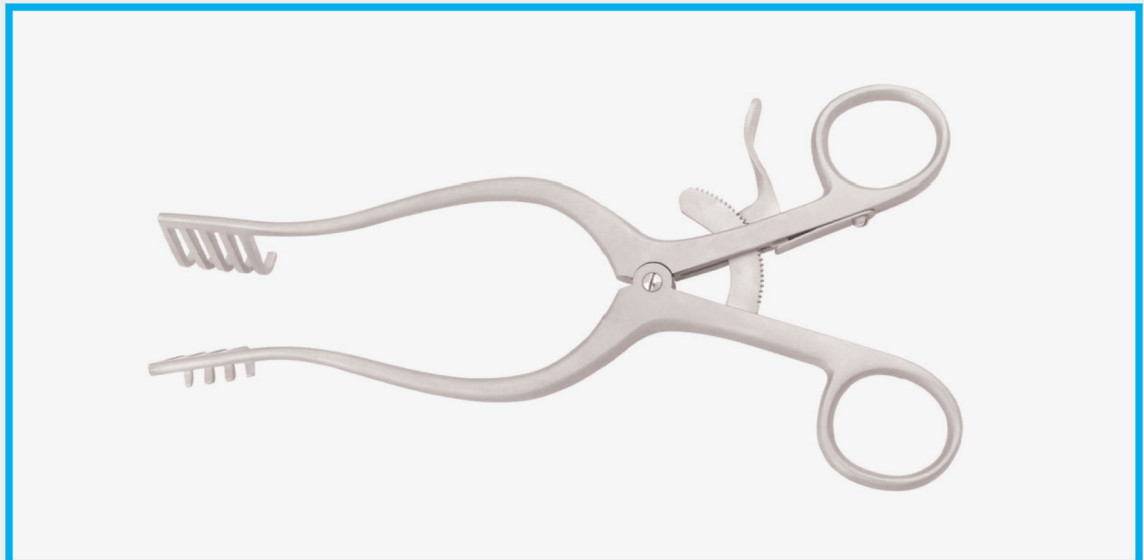
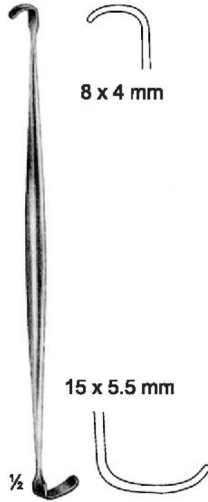


- EN** Retractors
- DE** Wundhaken und -sperrer
- ES** Separadores

Page 275 to 345

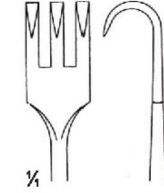




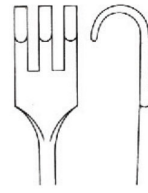
**RAGNELL-DAVIS**  
OI 16-4201-14  
14 cm/5 1/2"



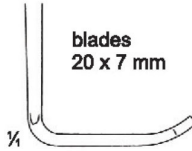
**SENN-MILLER**  
16 cm/6 1/4"



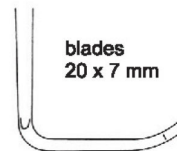
OI 16-4202-16  
sharp prongs



OI 16-4203-16  
blunt prongs



blades  
20 x 7 mm



blades  
20 x 7 mm



**CUSHING**  
OI 16-4204-20  
20 cm/7 1/8"



**CUSHING**



20 cm/7 1/8"  
24 cm/9 1/2"  
8 mm

OI 16-4205-20  
OI 16-4208-24



10 mm

OI 16-4206-20  
OI 16-4209-24



12 mm

OI 16-4207-20  
OI 16-4210-20



20 cm/7 1/8"  
24 cm/9 1/2"  
14 mm

OI 16-4211-20  
OI 16-4214-24



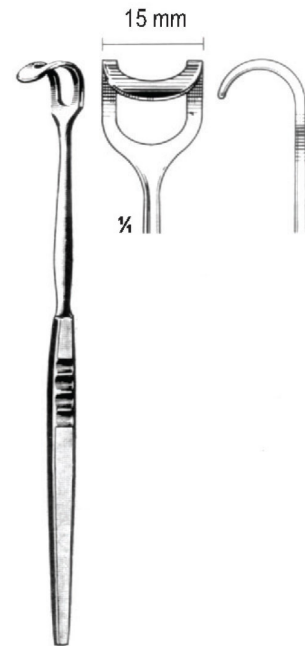
16 mm

OI 16-4212-20  
OI 16-4215-24

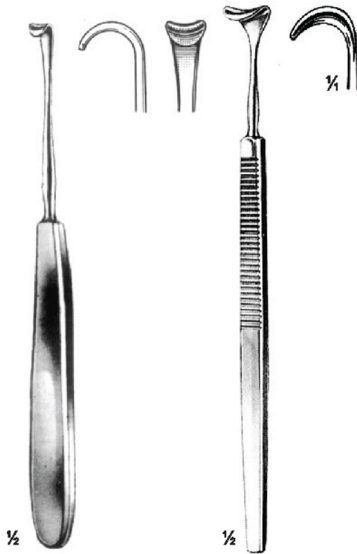


18 mm

OI 16-4213-20  
OI 16-4216-24

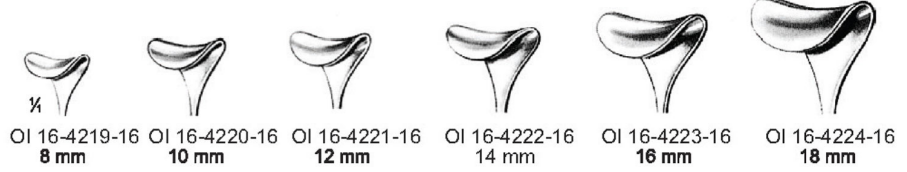


**HANDTE**  
OI 16-4217-17  
17 cm/6 3/4"

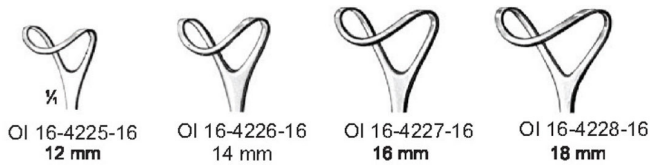


**DESMARRES**  
 OI 16-4218-16  
 16 cm/6 1/4"

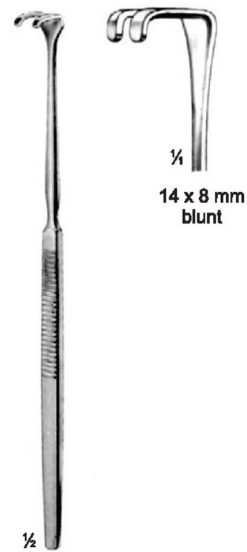
**DESMARRES**  
 16 cm/6 1/4"



16 cm/6 1/4"

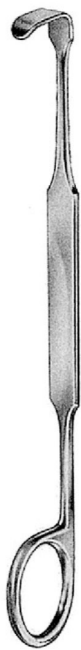


**MINI-LANGENBECK**  
 16 cm/6 1/4"



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





**MEYERDING**  
18 cm/7 1/8"



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



OI 16-4235-18  
16 x 5 mm



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



OI 16-4237-18  
10 x 3 mm



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



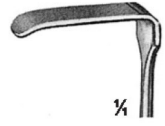
OI 16-4239-18  
10 x 4 mm



**SENN-GREEN**  
15 cm/5 7/8"



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



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



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



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



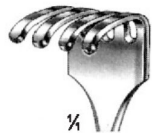
**KLAPP**  
17.5 cm/6 7/8"



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



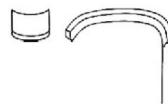
1/4  
OI 16-4245-17  
12 x 11 mm



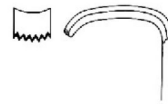
1/4  
OI 16-4246-17  
15 x 12 mm



**STRANDELL-STILLE**  
19 cm/7 1/2"



OI 16-4247-19



OI 16-4248-19  
toothed



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



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



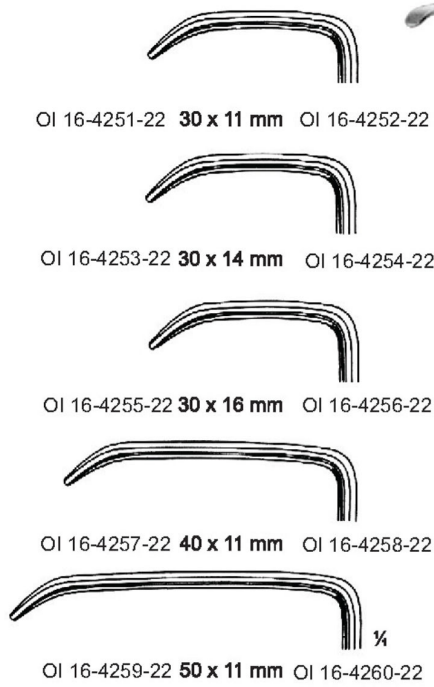
**KOCHER**  
19 cm/7 1/2"



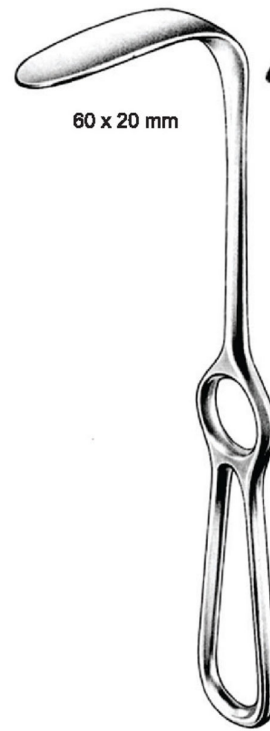




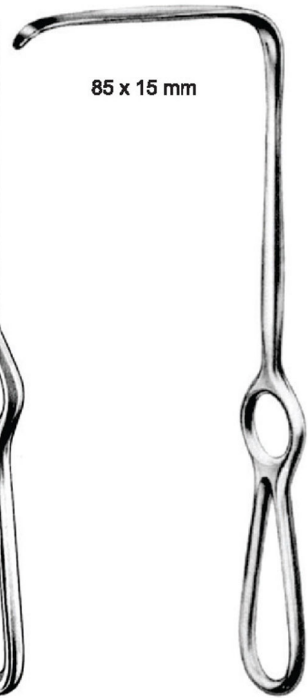
**LANGENBECK**  
 22 cm/8 1/2"



**LANGENBECK**  
 21 cm/8 1/4"



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



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

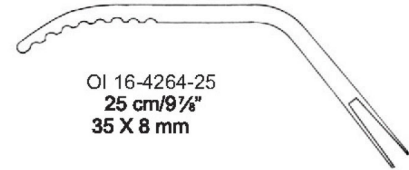




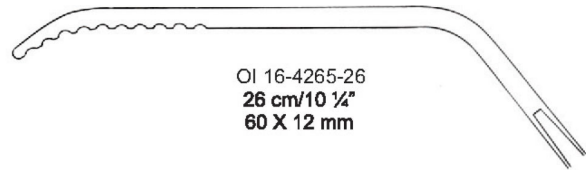
ZENKER



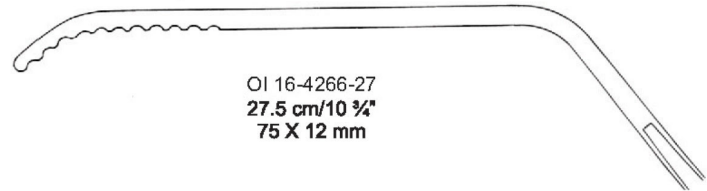
**MINI-ZENKER**  
OI 16-4263-18  
18 cm/7 1/8"  
10 X 3 mm



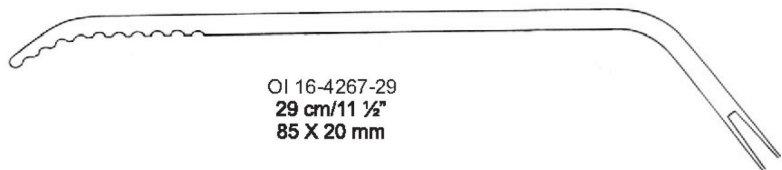
OI 16-4264-25  
25 cm/9 7/8"  
35 X 8 mm



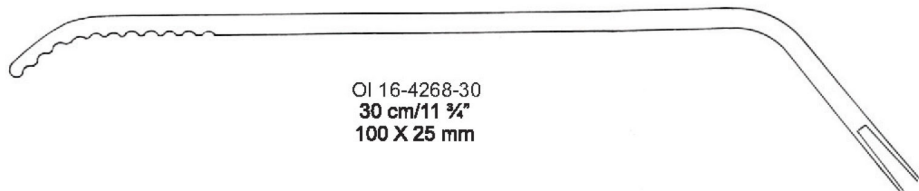
OI 16-4265-26  
26 cm/10 1/4"  
60 X 12 mm



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



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



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

1/4

RETRACTORS

Retractors ● EN  
 Wundhaken ● DE  
 Separadores ● ES



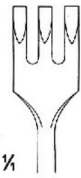
**TRACHEAL**  
 16 cm/6 1/4"  
 sharp



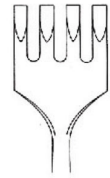
OI 16-4269-16



OI 16-4270-16



OI 16-4271-16



OI 16-4272-16



**TRACHEAL**  
 16 cm/6 1/4"  
 blunt



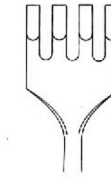
OI 16-4273-16



OI 16-4274-16



OI 16-4275-16



OI 16-4276-16



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



OI 16-4277-16



OI 16-4278-16



OI 16-4279-16



OI 16-4280-16



17 cm/6 3/4"  
 sharp



OI 16-4281-17



OI 16-4282-17



OI 16-4283-17



OI 16-4284-17



OI 16-4285-17



OI 16-4286-17



OI 16-4287-17



OI 16-4288-17



OI 16-4289-17



OI 16-4290-17

blunt





16 cm/6 1/4"  
flexible



sharp



blunt



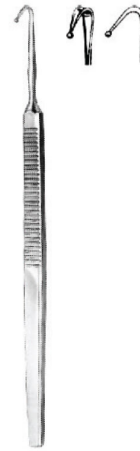
16 cm/6 1/4"



sharp



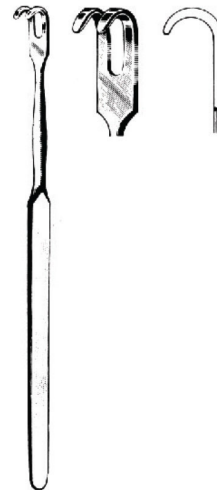
blunt



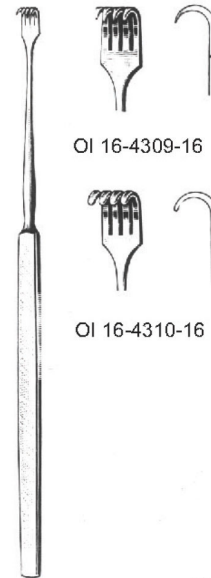
**VESSEL HOOK**  
OI 16-4299-12  
12 cm/4 3/4"



**VOLKMANN**  
11.5 cm/4 1/2"



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

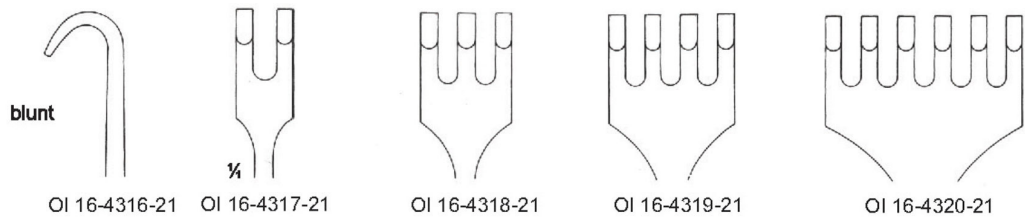
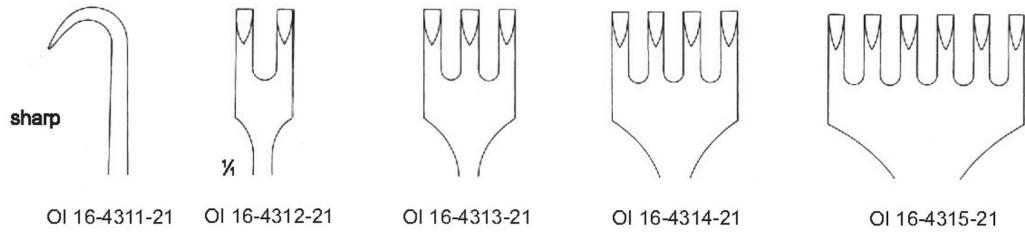


OI 16-4309-16



16 cm/6 1/4"

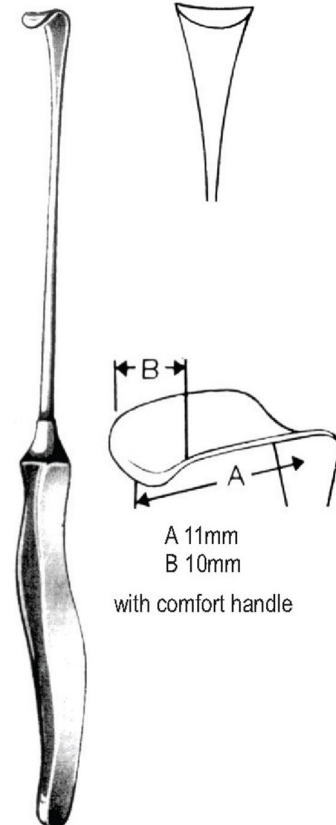
Measurements of retractors: Depth x Width



**VOLKMANN**  
 21.5 cm/8 1/2"



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

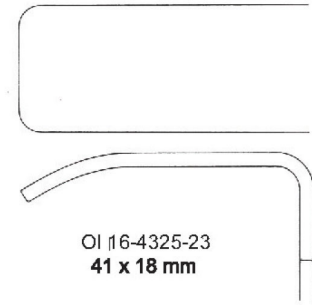


**CUSHING**  
 OI 16-4323-21  
 24.5 cm/9 1/2"  
 OI 16-4324-28  
 28 cm/11"

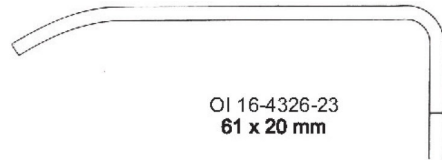




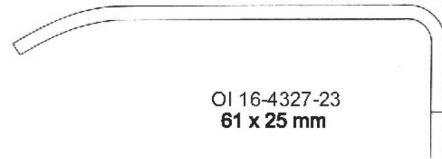
**KOCHER**  
23 cm/9"



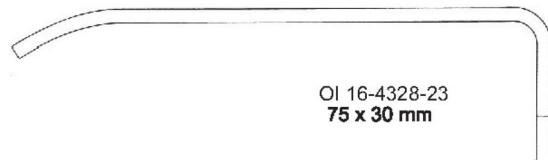
OI 16-4325-23  
41 x 18 mm



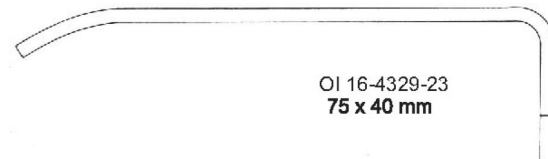
OI 16-4326-23  
61 x 20 mm



OI 16-4327-23  
61 x 25 mm



OI 16-4328-23  
75 x 30 mm

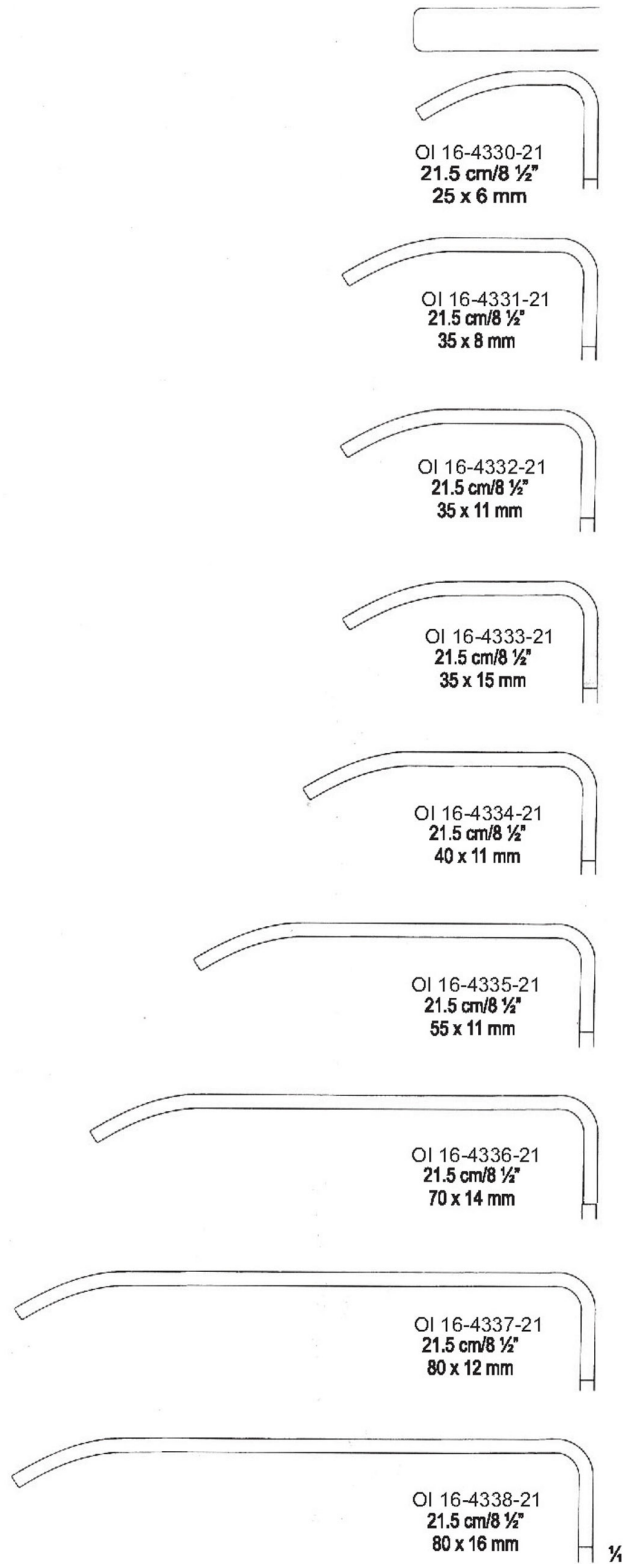


OI 16-4329-23  
75 x 40 mm

¼



**KOCHER-LANGENBECK**  
 21.5 cm/8 1/2"

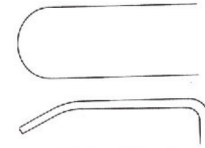


Measurements of retractors: Depth x Width





**KOCHER-LANGENBECK**  
21.5 cm/8 1/2"



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



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



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



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



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



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



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



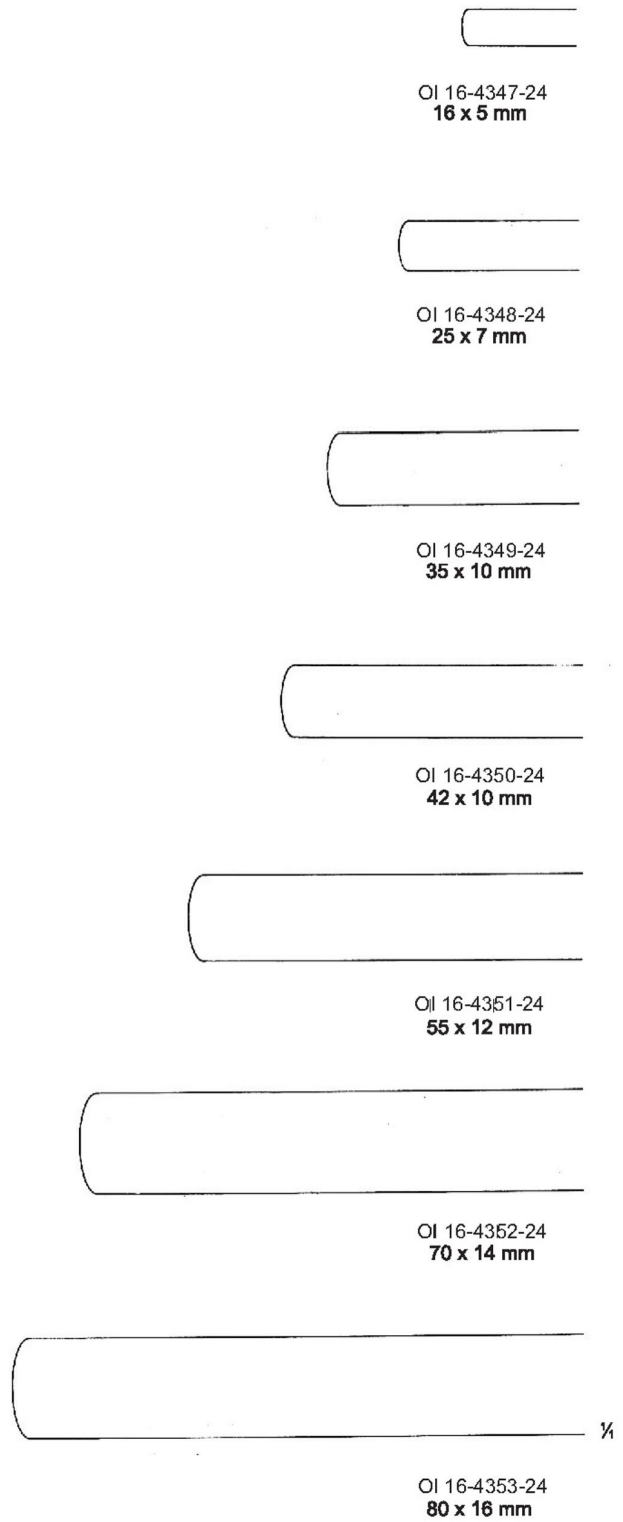
OI 16-4346-21  
21.5 cm/8 1/2"  
85 x 25 mm

¼

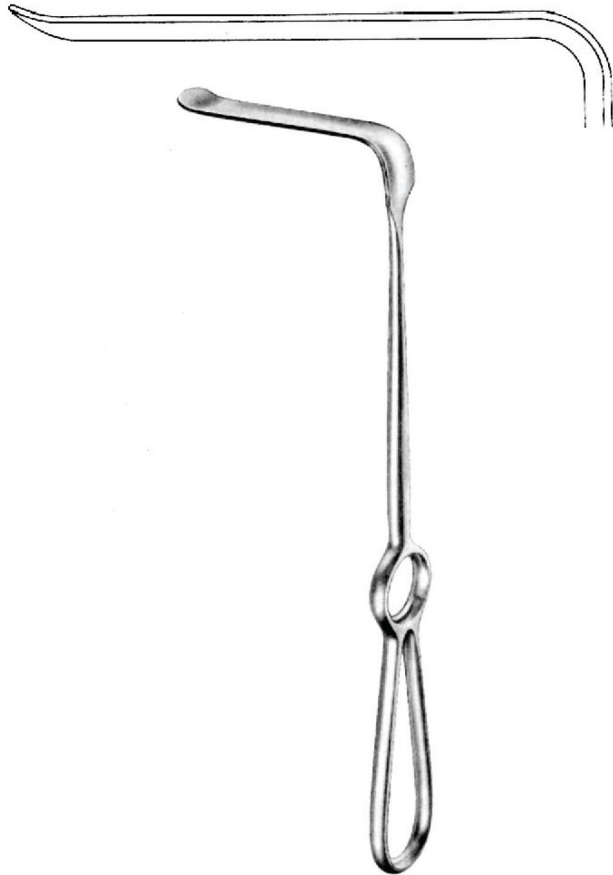
Measurements of retractors: Depth x Width



**OBWEGESER**  
 24 cm/9 1/2"  
 bent downwards



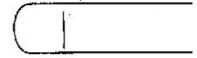
Measurements of retractors: Depth x Width



**OBWEGESER**  
24cm/9 1/2"  
bent upward



OI 16-4354-24  
16 x 5 mm



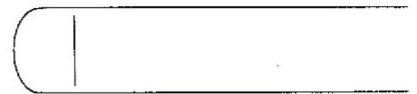
OI 16-4355-24  
25 x 7 mm



OI 16-4356-24  
35 x 10 mm



OI 16-4357-24  
42 x 10 mm



OI 16-4358-24  
55 x 12 mm



OI 16-4359-24  
70 x 14 mm

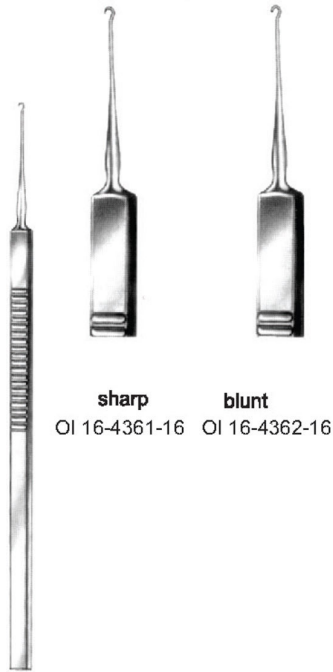


OI 16-4360-24  
80 x 16 mm

Measurements of retractors: Depth x Width

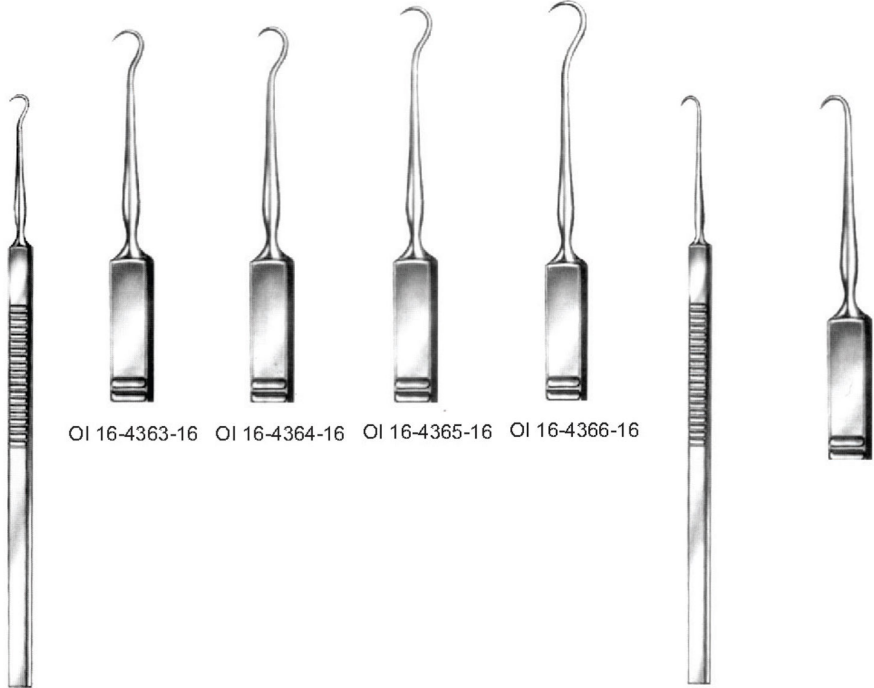
RETRACTORS

Retractors ● EN  
 Wundhaken ● DE  
 Separadores ● ES



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

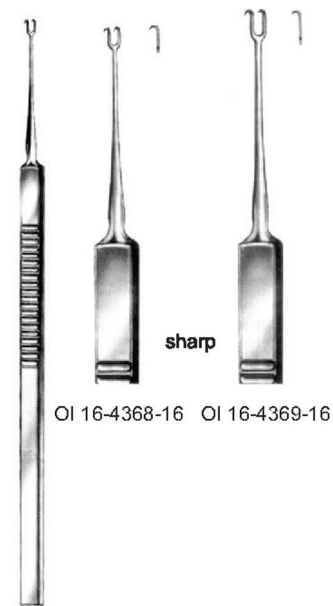
**GRAEFE**  
 16 cm/6 1/4"



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

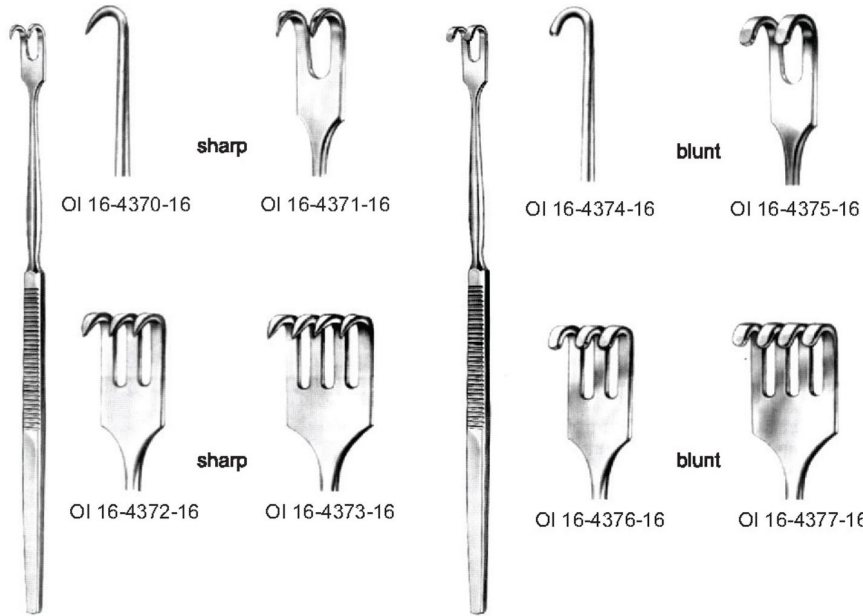
**GRAEFE**  
 16 cm/6 1/4"

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



sharp  
 OI 16-4368-16 OI 16-4369-16

**GUTHRIE**  
 16 cm/6 1/4"



sharp  
 OI 16-4370-16 OI 16-4371-16

blunt  
 OI 16-4374-16 OI 16-4375-16

sharp  
 OI 16-4372-16 OI 16-4373-16

blunt  
 OI 16-4376-16 OI 16-4377-16

**KEHLENGRIFF**  
 16 cm/6 1/4"

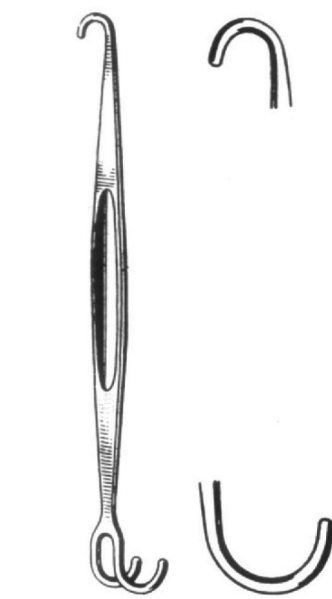
**KEHLENGRIFF**  
 16 cm/6 1/4"

Measurements of retractors: Depth x Width

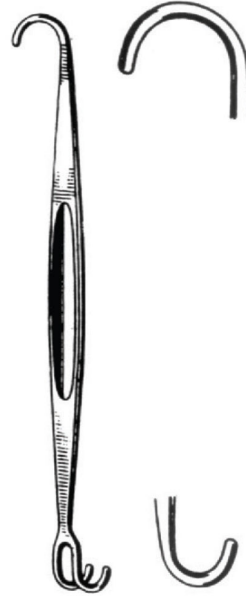




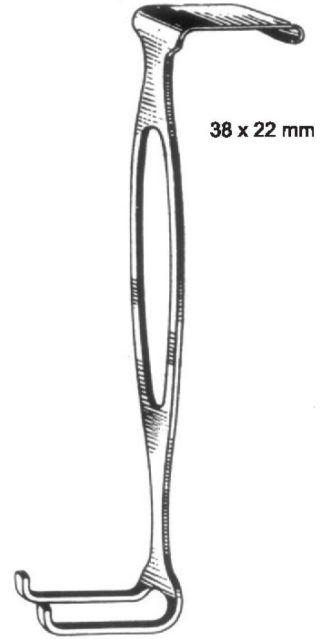
**CANNY RYALL**  
OI 16-4378-15 15mm  
OI 16-4378-20 20mm  
OI 16-4378-25 25mm  
OI 16-4378-30 30mm



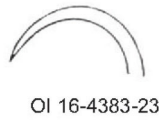
**CANNY RYALL**  
OI 16-4379-1717 cm/6 3/4"



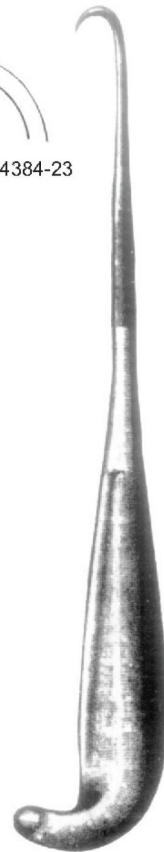
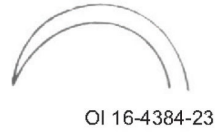
**CANNY RYALL**  
OI 16-4380-1717 cm/6 3/4"



**CZERNEY**  
OI 16-4381-1717 cm/6 3/4"

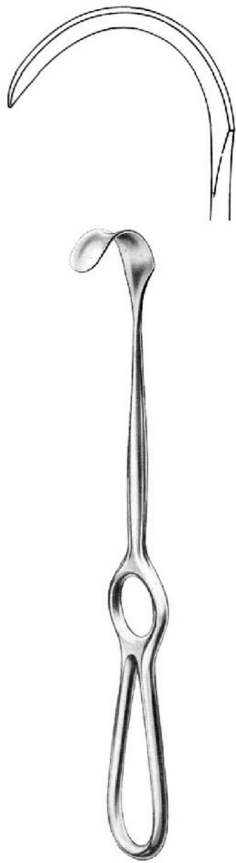


Sharp

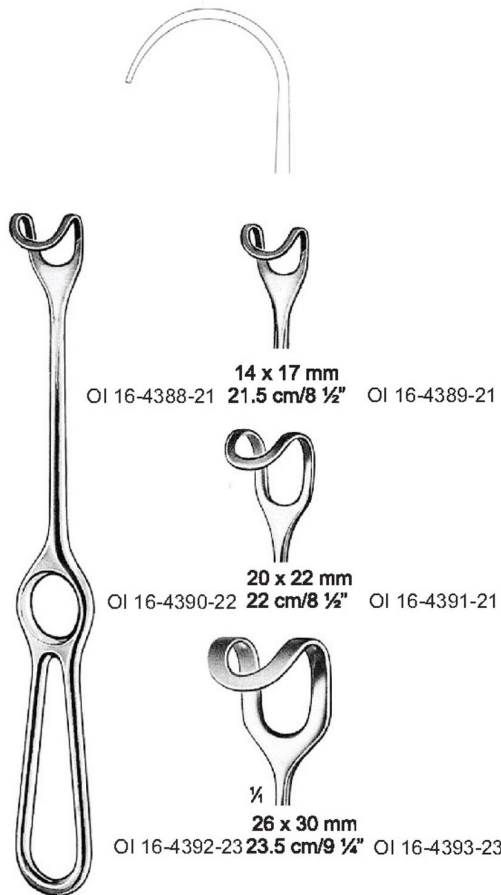


23 cm/9"





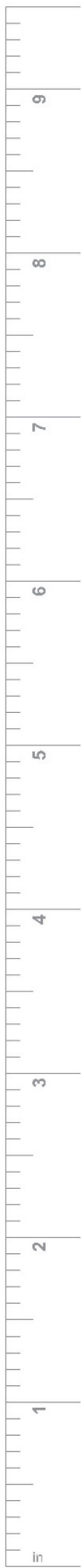
**KOCHER**  
 22 cm/8 1/2"  
 OI 16-4385-22 40 x 10 mm  
 OI 16-4386-22 40 x 15 mm  
 OI 16-4387-22 40 x 20 mm



**MIDDELDORPF**



**MIDDELDORPF**



Measurements of retractors: Depth x Width



OI 16-4394-21



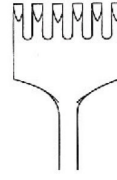
OI 16-4395-21



OI 16-4396-21



OI 16-4397-21



OI 16-4398-21



sharp



OI 16-4399-21



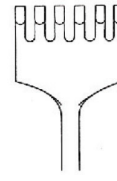
OI 16-4400-21



OI 16-4401-21



OI 16-4402-21



OI 16-4403-21



blunt



OI 16-4404-21



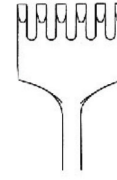
OI 16-4405-21



OI 16-4406-21



OI 16-4407-21



OI 16-4408-21



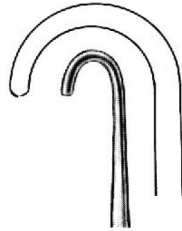
semi-sharp



**VOLKMANN**  
21.5 cm/8 1/2"



OI 16-4409-21  
21.5 cm/8 1/2"



OI 16-4410-21  
21.5 cm/8 1/2"



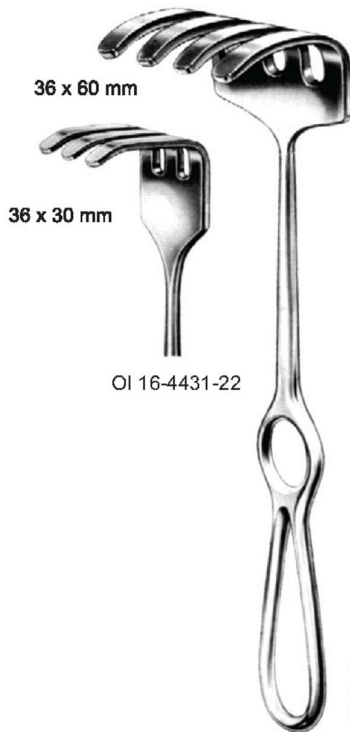
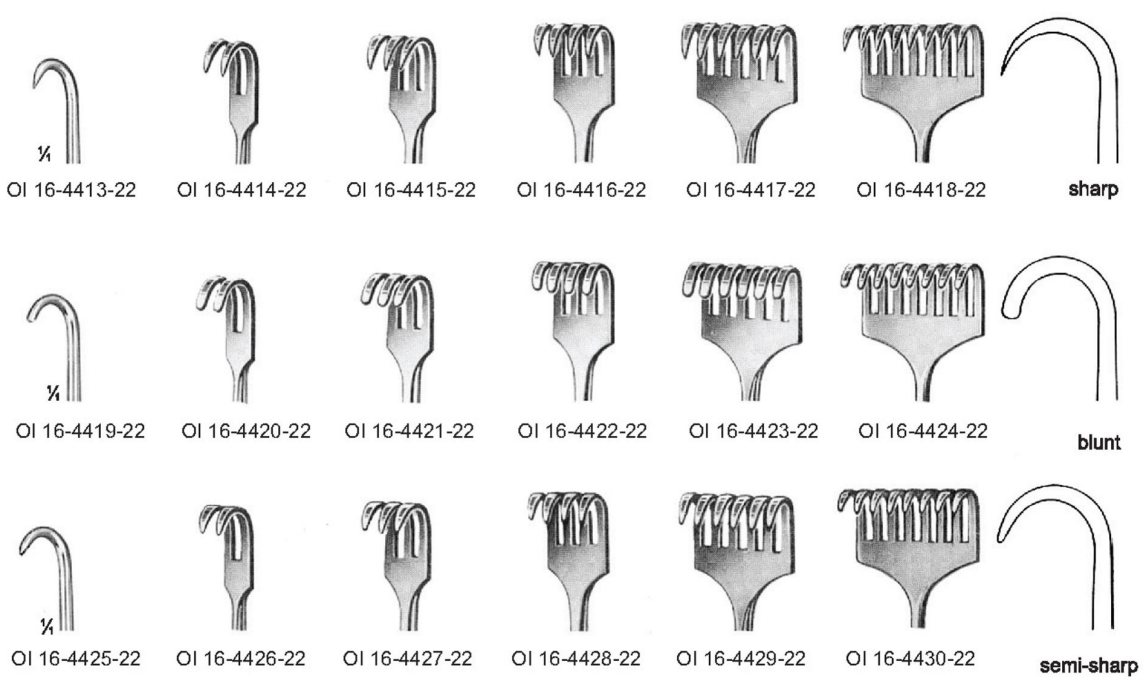
OI 16-4411-21 sharp  
OI 16-4412-21 blunt  
20 cm/7 1/8"

Measurements of retractors: Depth x Width





**KOCHER**  
 22 cm/8 1/2"



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



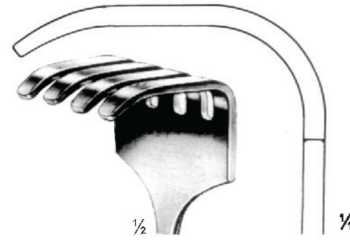
**WASSMUND**  
 OI 16-4433-20  
 20 cm/7 1/2"

Measurements of retractors: Depth x Width

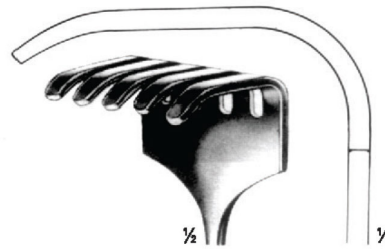




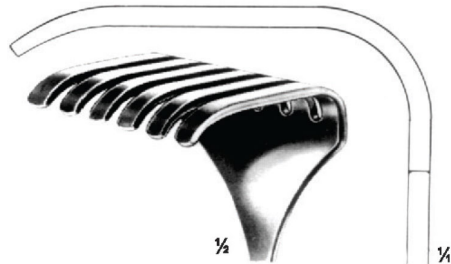
OI 16-4434-27  
27 cm/10 1/2"



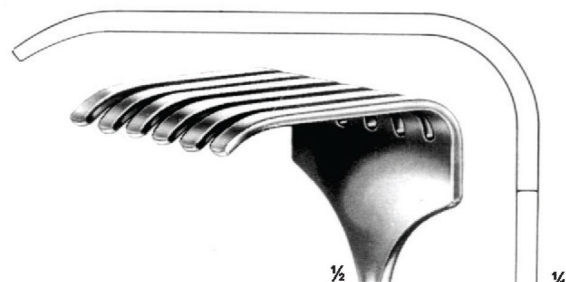
OI 16-4435-25  
40 x 40 mm



OI 16-4436-25  
45 x 50 mm



OI 16-4437-25  
50 x 60 mm



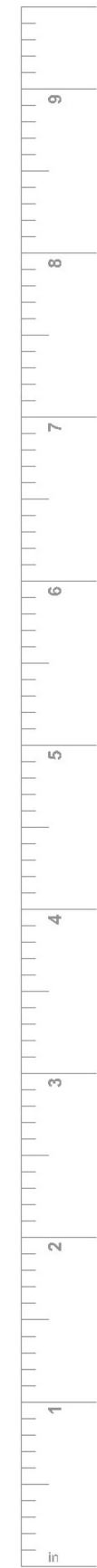
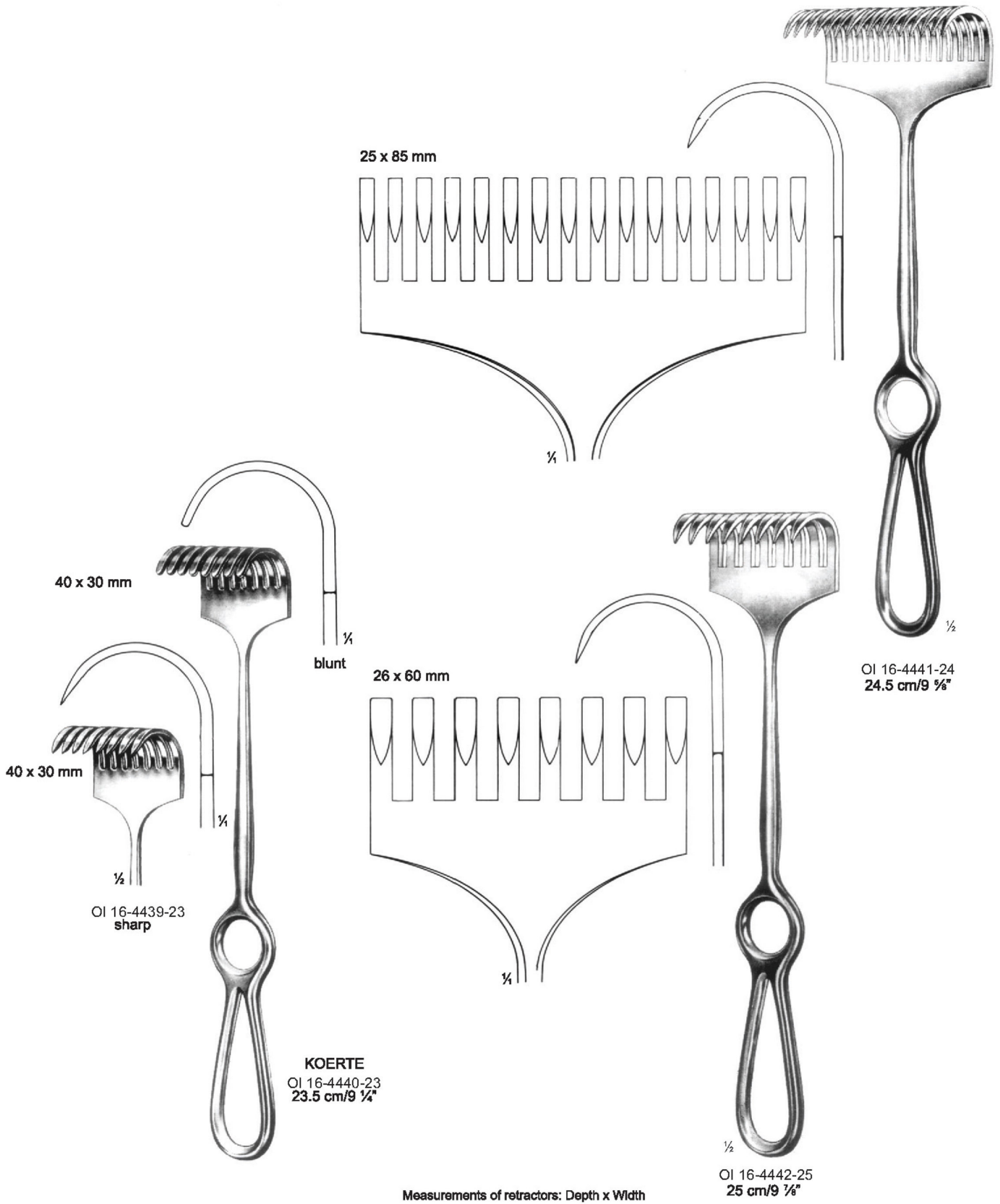
OI 16-4438-25  
70 x 70 mm



**ISRAEL**  
25 cm/9 1/8"



Measurements of retractors: Depth x Width





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

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

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

**RICHARDSON**

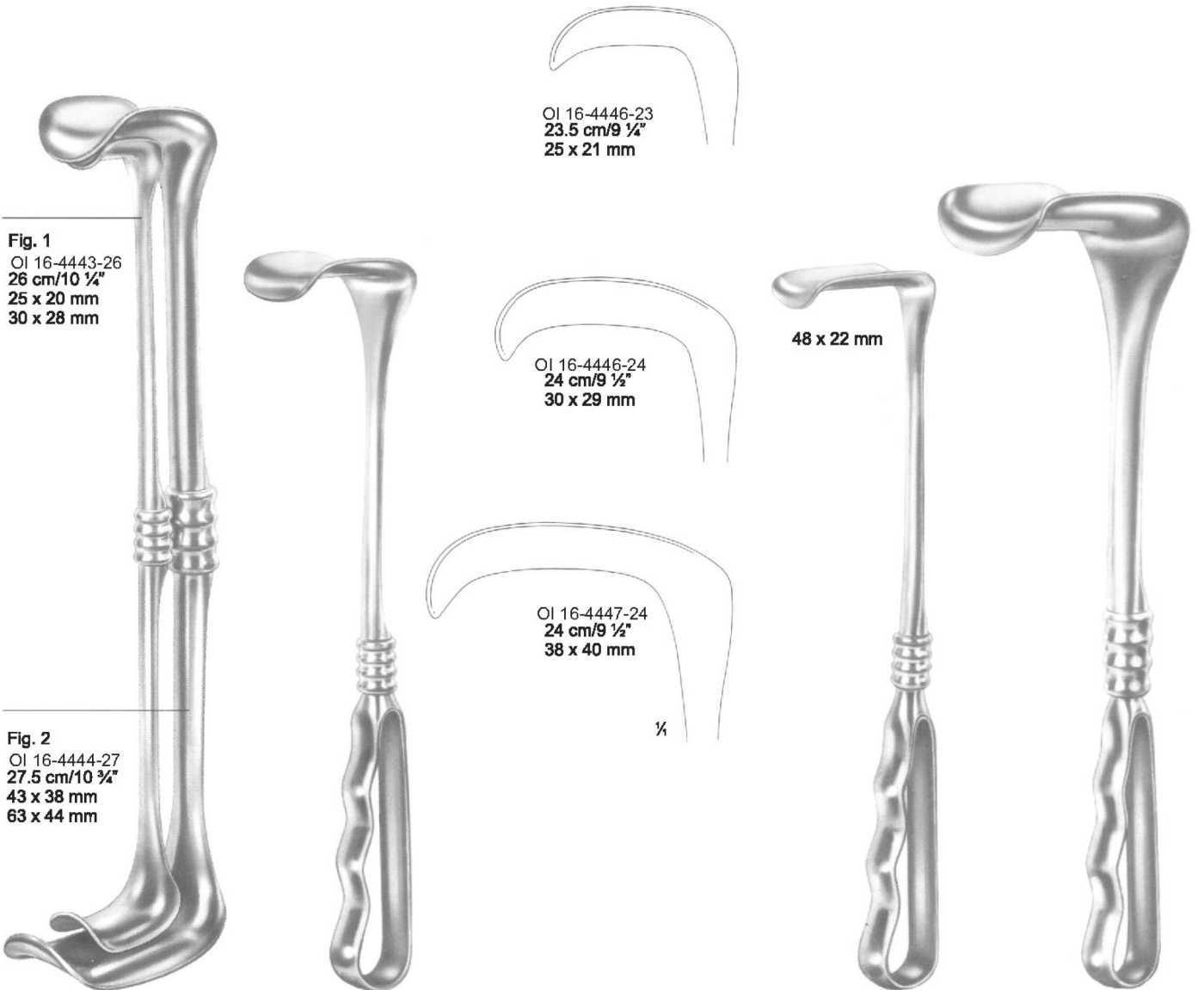
**RICHARDSON**  
OI 16-4448-24  
24 cm/9 1/2"

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

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

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

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





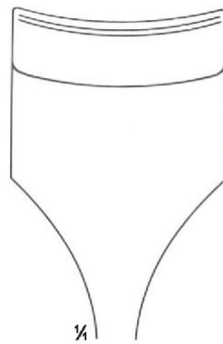
½  
 28 cm/11"



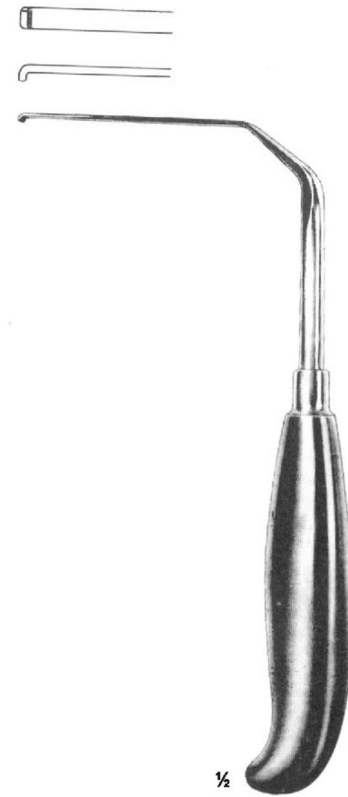
¼  
 OI 16-4451-28



¼  
 OI 16-4452-28

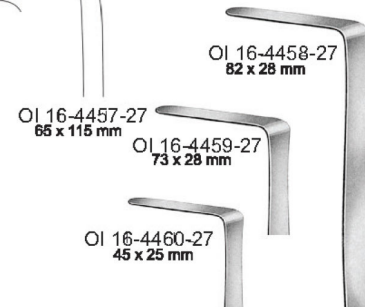
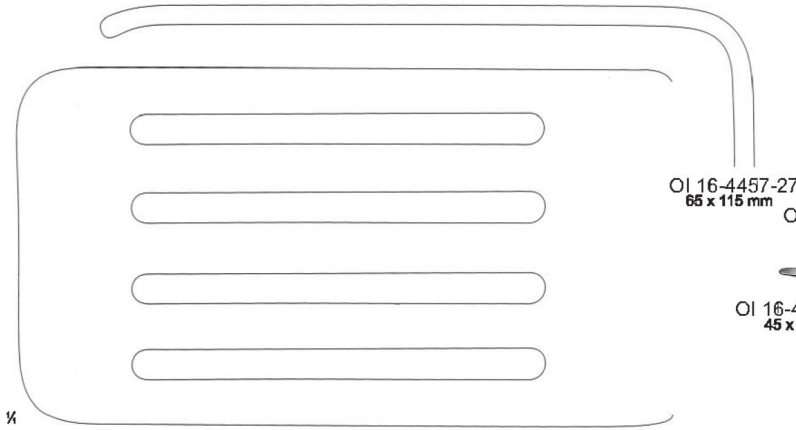
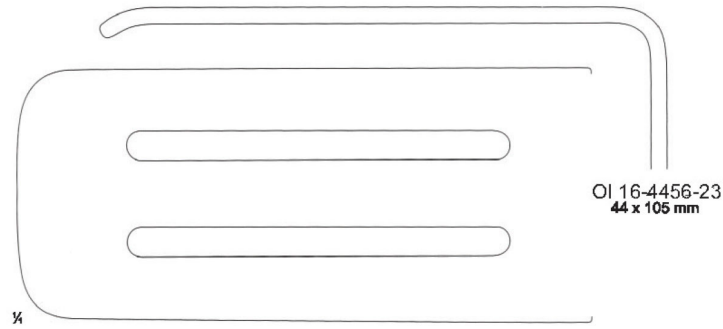
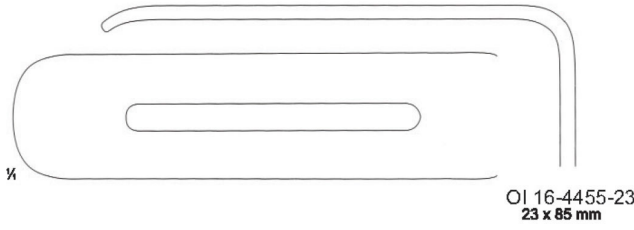


¼  
 OI 16-4453-28



½  
 OI 16-4454-28  
 19 cm/7 ½"









50 x 85 mm

½

**DOYEN**

OI 16-4461-25  
 25 cm/9 ¾"

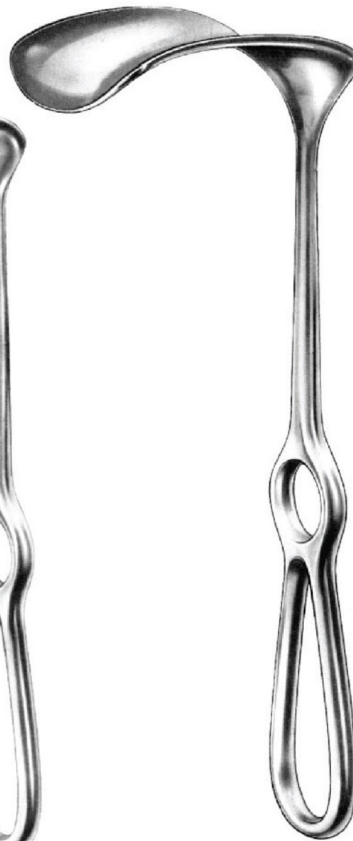


70 x 25 mm

½

**KOCHER**

OI 16-4462-22  
 22.5 cm/8 ¾"



**KOCHER**

	Total length	Blade
	cm	mm
OI 16-4463-25	25	80 x 45
OI 16-4464-25	25	80 x 55
OI 16-4465-25	25	80 x 65



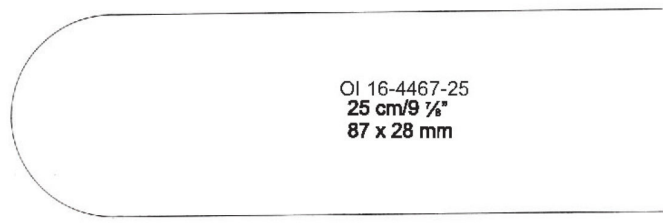
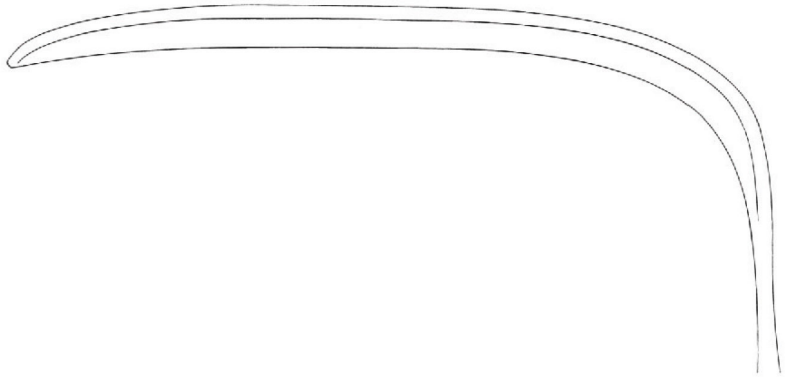
**TUFFIER**

OI 16-4466-21  
 21.5 cm/8 ½"

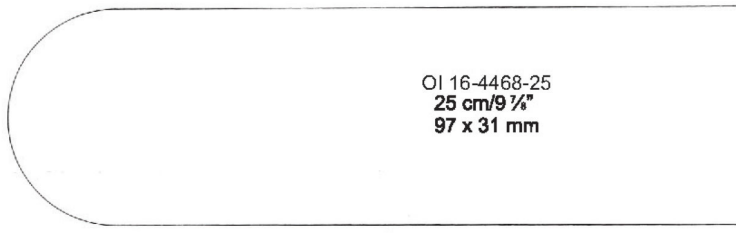


Measurements of retractors: Depth x width

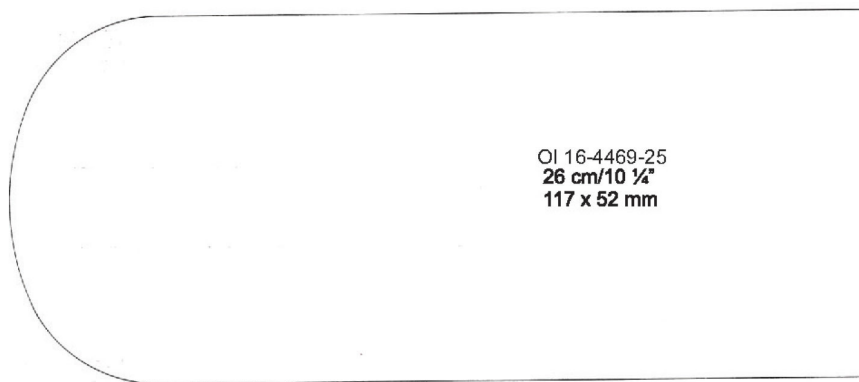




OI 16-4467-25  
 25 cm/9 7/8"  
 87 x 28 mm



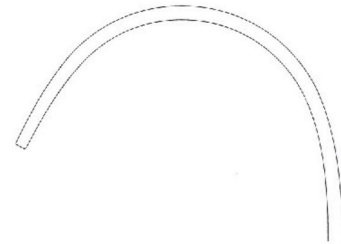
OI 16-4468-25  
 25 cm/9 7/8"  
 97 x 31 mm



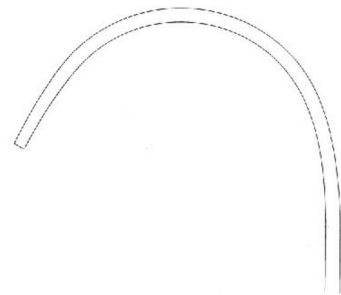
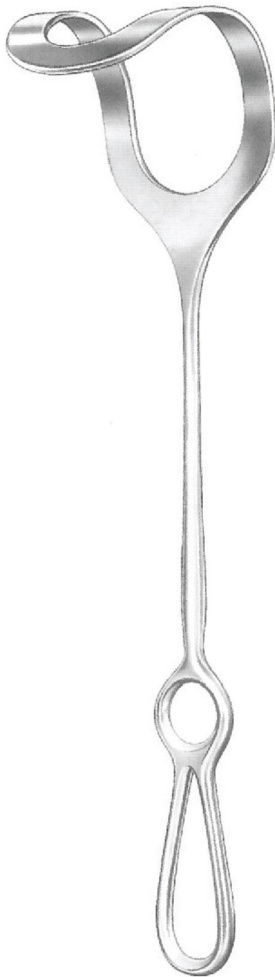
OI 16-4469-25  
 26 cm/10 1/4"  
 117 x 52 mm



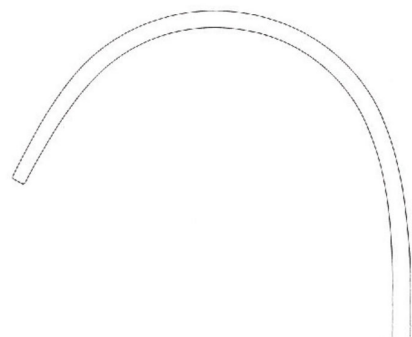
**DOYEN-STILLE**



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



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



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

MIDDELDORPF





**FRITSCH**



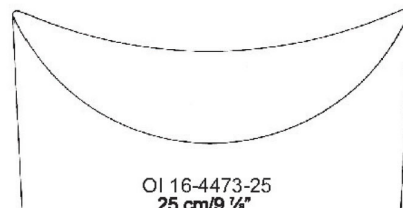
OI 16-4472-23  
 23.5 cm/9 1/2"  
 37 x 31 mm



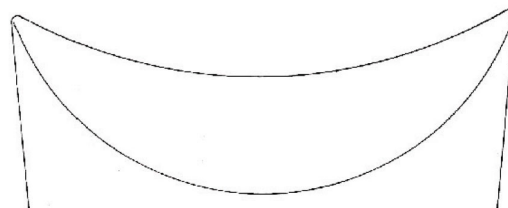
OI 16-4472-24  
 24 cm/9 1/2"  
 38 x 40 mm



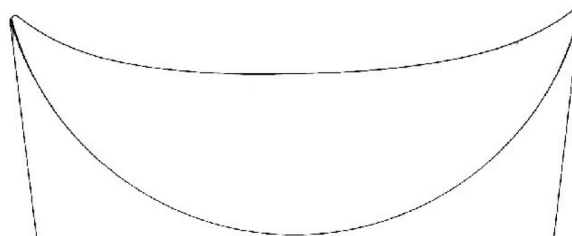
OI 16-4472-25  
 25 cm/9 1/2"  
 43 x 51 mm



OI 16-4473-25  
 25 cm/9 1/2"  
 49 x 61 mm



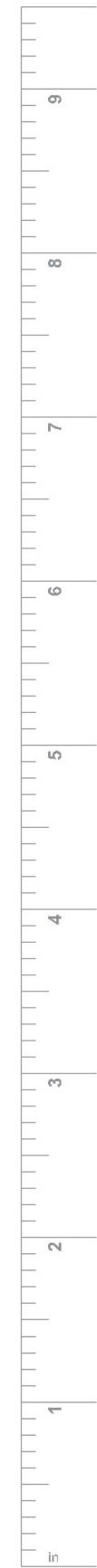
OI 16-4474-25  
 25.5 cm/10"  
 48 x 75 mm

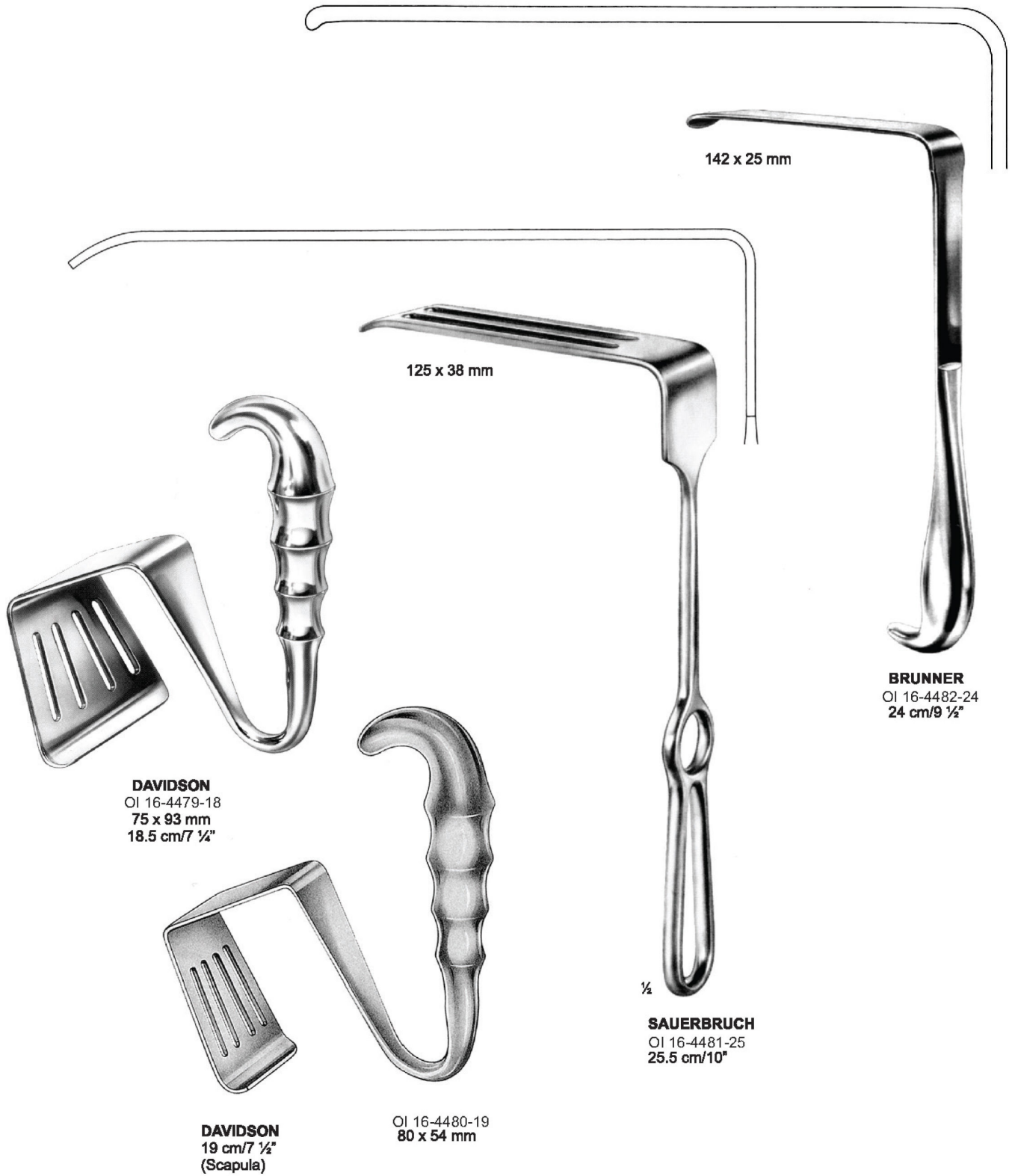


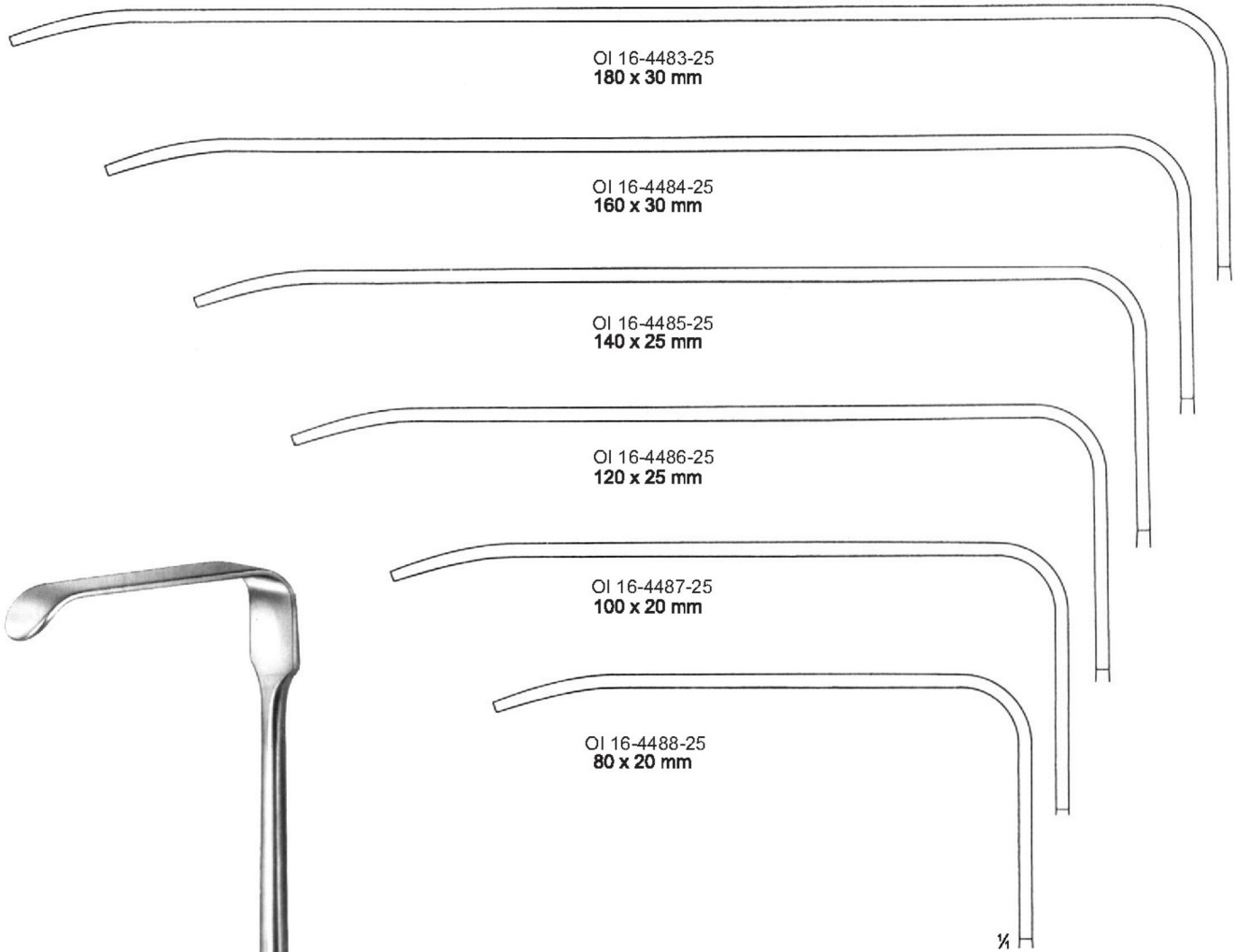
OI 16-4474-29  
 29.5 cm/11 1/2"  
 65 x 85 mm



Measurements of retractors: Depth x width

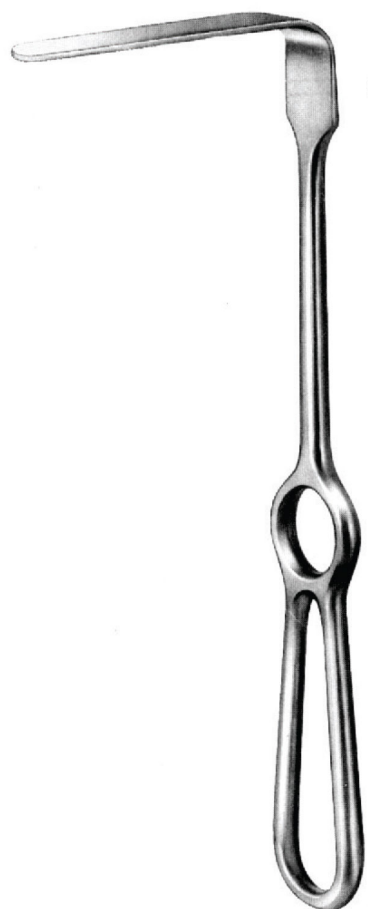
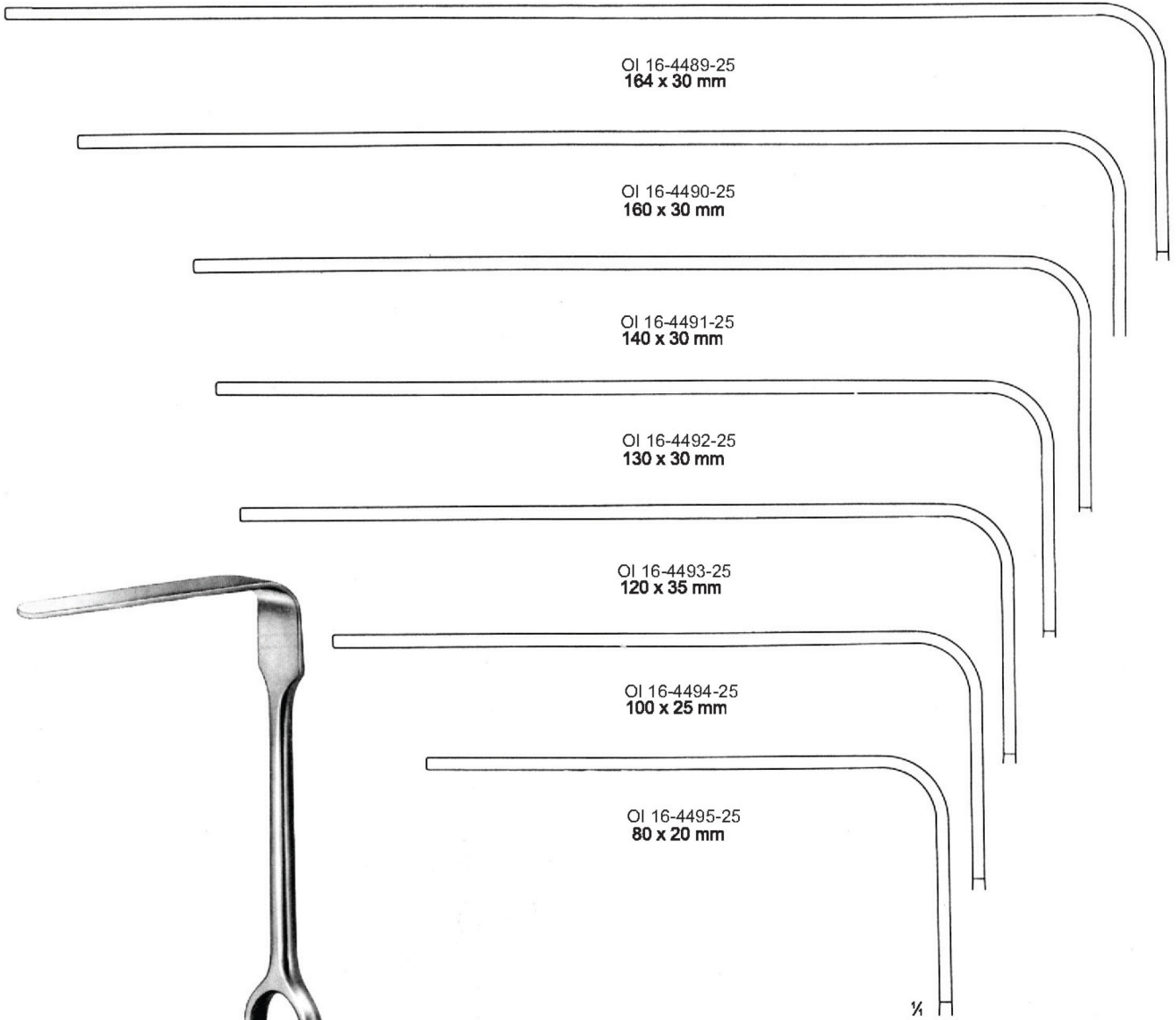






**BRUNNER**  
25 cm/9 7/8"





**BRUNNER**  
25.5 cm/10"



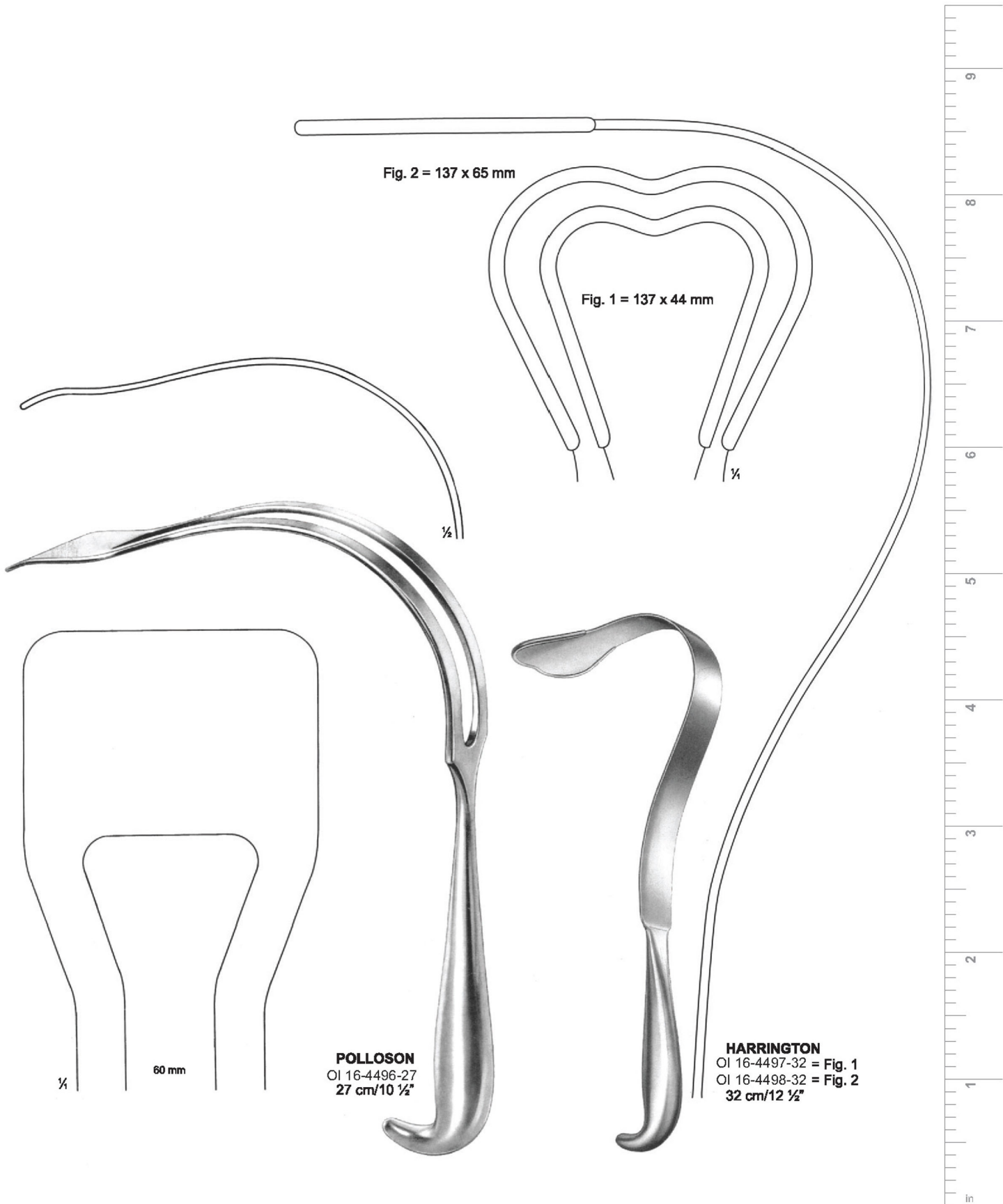
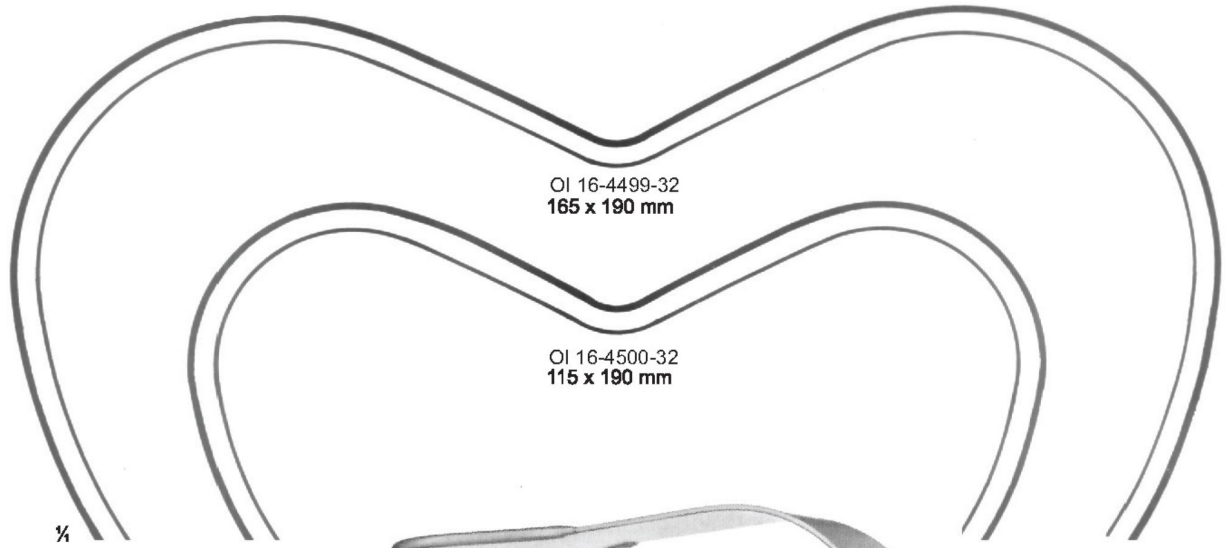


Fig. 2 = 137 x 65 mm

Fig. 1 = 137 x 44 mm

**POLLOSON**  
 OI 16-4496-27  
 27 cm/10 1/2"

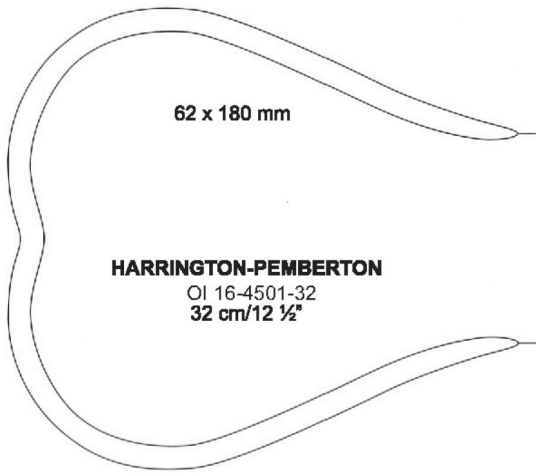
**HARRINGTON**  
 OI 16-4497-32 = Fig. 1  
 OI 16-4498-32 = Fig. 2  
 32 cm/12 1/2"



OI 16-4499-32  
165 x 190 mm

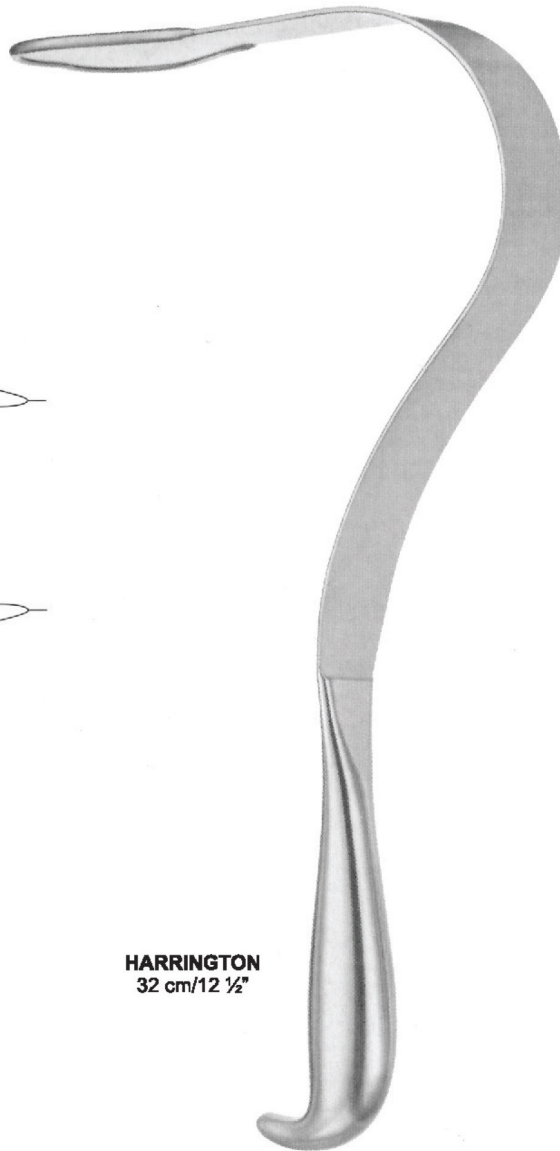
OI 16-4500-32  
115 x 190 mm

¼



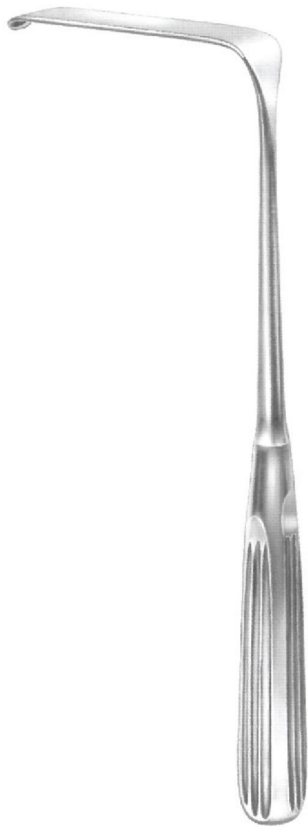
62 x 180 mm

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

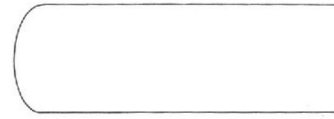


**HARRINGTON**  
32 cm/12 ½"

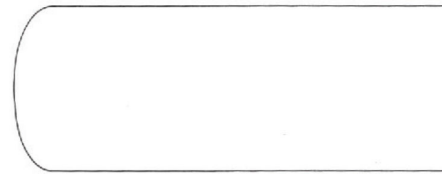
Measurements of retractors: Depth x Width



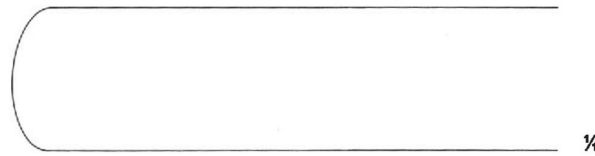
**SAUERBRUCH**  
 22.5 cm/8 ¾"



OI 16-4502-22  
 45 x 15 mm



OI 16-4503-22  
 60 x 23 mm



OI 16-4504-22  
 72 x 20 mm



Measurements of retractors: Depth x Width



38 mm

50 mm

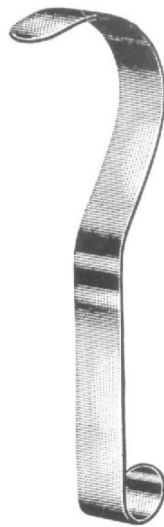
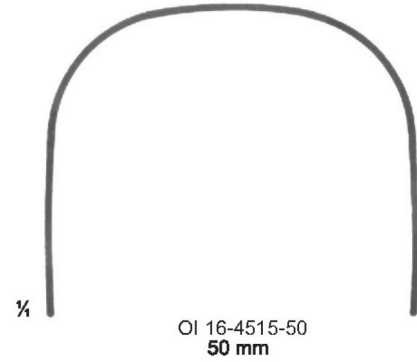
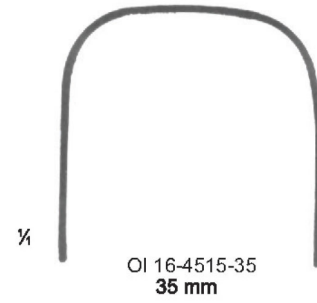
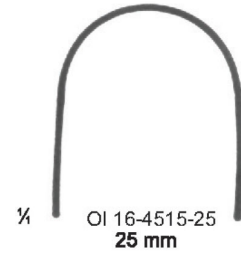
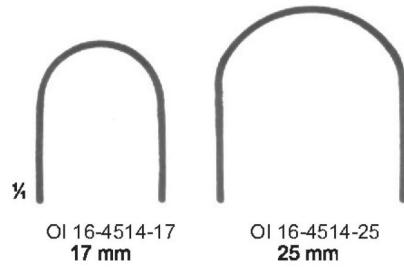
75 mm

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

**DEAVER**  
OI 16-4512-31  
31.5 cm/12 5/8"

**DEAVER**  
OI 16-4513-31  
31.5 cm/12 5/8"





DE AVER-BABY



DE AVER



RETRACTORS

Retractors, Lung Spatulas ● EN  
 Wundhaken, Lungenspatel ● DE  
 Separadores, Espátulas Pulmonares ● ES



OI 16-4516-29  
 29.5 cm/11 5/8"  
 width of blade 48 mm

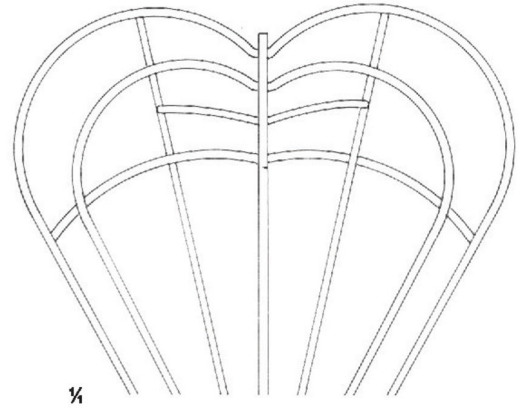
OI 16-4516-33  
 33 cm/13"  
 width of blade 63 mm

ALLISON



OI 16-4517-29  
 29.5 cm/11 5/8"  
 width of blade 132 mm

ALLISON



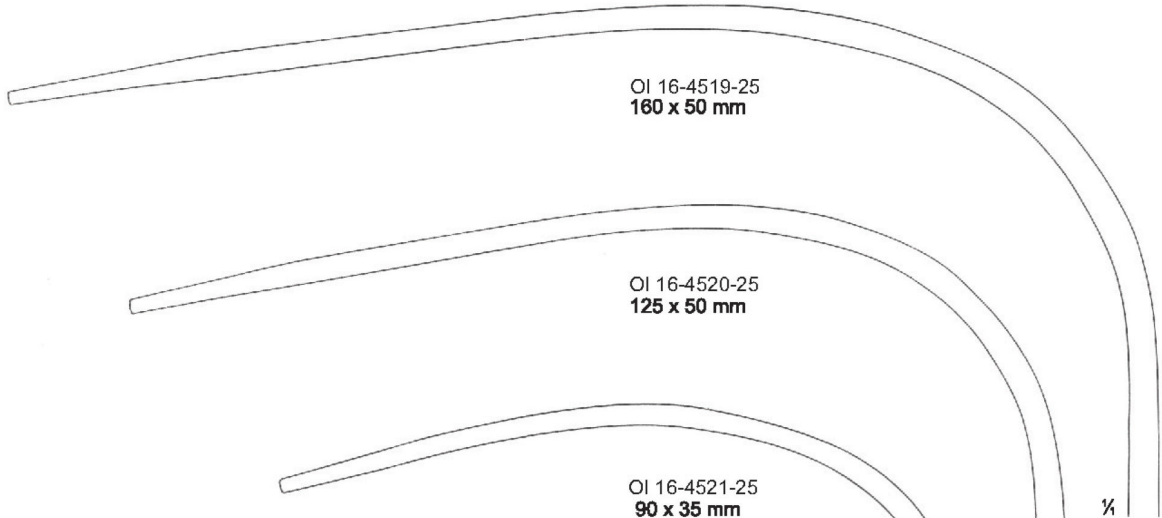
1/4"



**HIBBS**  
 OI 16-4518-75 75 x 25 mm  
 OI 16-4518-50 50 x 19 mm  
 OI 16-4518-25 25 x 13 mm

Measurements of retractors: Depth x Width





OI 16-4519-25  
160 x 50 mm

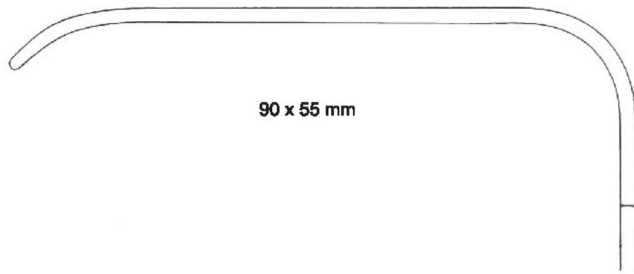
OI 16-4520-25  
125 x 50 mm

OI 16-4521-25  
90 x 35 mm

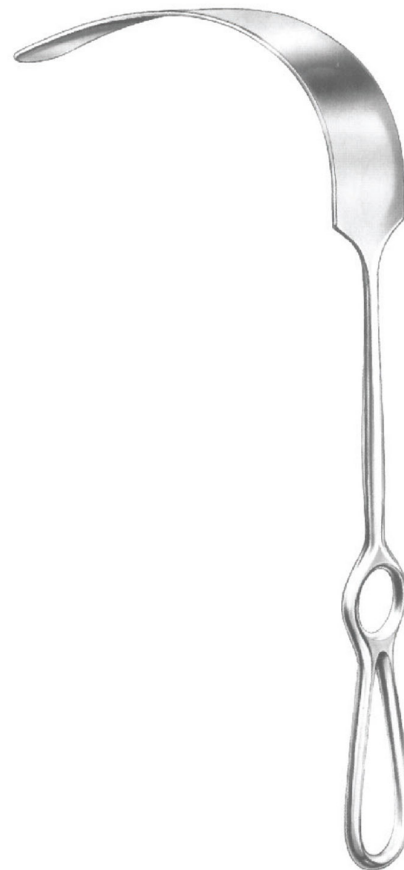
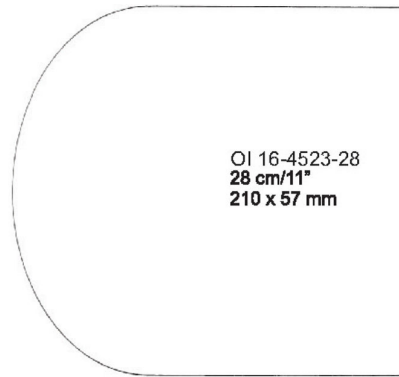
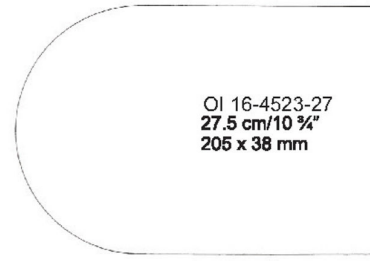


**MIKULICZ**  
25 cm/9 7/8"



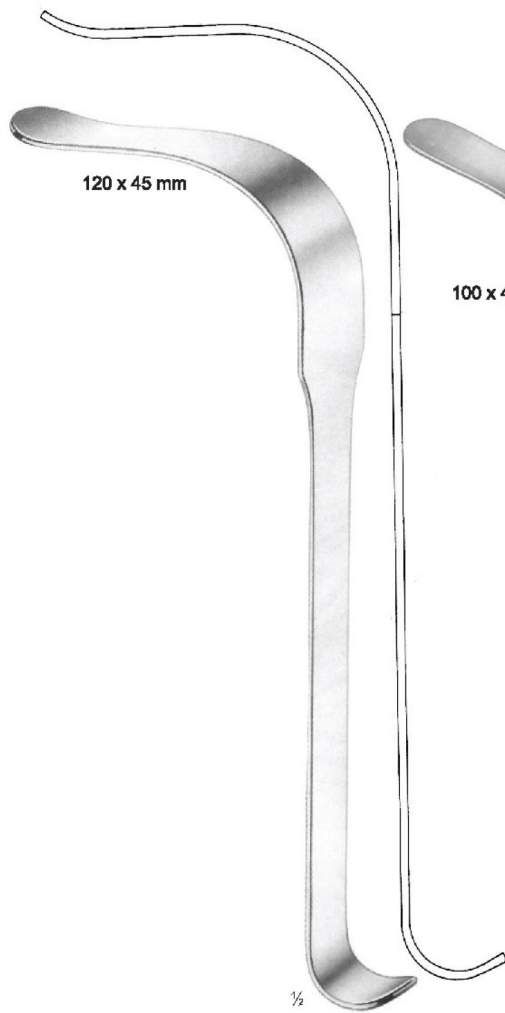


**MIKULICZ**  
 OI 16-4522-26  
 26 cm/10 1/4"



**KELLY**

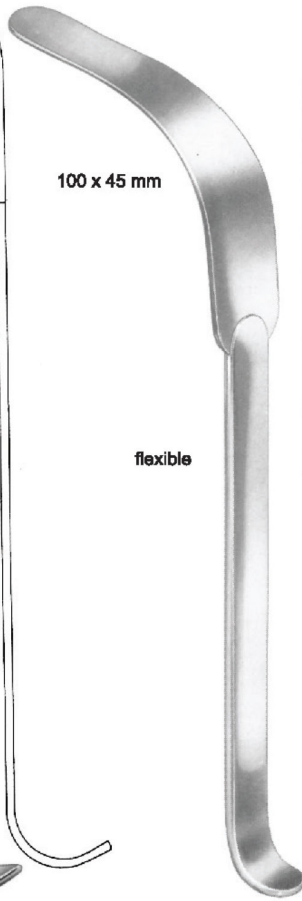




120 x 45 mm

1/2

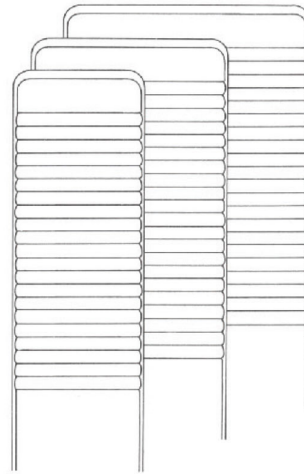
**KOERTE**  
OI 16-4524-28  
28 cm/11"  
rigid



100 x 45 mm

flexible

**KUMMEL**  
OI 16-4525-31  
31 cm/12 1/4"



**KADER**  
OI 16-4526-20 = 20 mm  
OI 16-4526-30 = 30 mm  
OI 16-4526-40 = 40 mm  
28 cm/11"

Measurements of Spatulas : Depth x Width

**RIBBON SPATULAS**



**TUFFIER**  
 20 cm/7 1/4"  
 OI 16-4527-20 17 x 25 mm  
 malleable



OI 16-4528-06 6 x 200 mm  
 OI 16-4528-12 12 x 200 mm  
 OI 16-4528-17 17 x 200 mm  
 OI 16-4528-25 25 x 200 mm  
 malleable



OI 16-4529-27 27 x 250 mm  
 OI 16-4529-35 35 x 250 mm  
 malleable



OI 16-4530-30 30 x 330 mm  
 OI 16-4530-40 40 x 330 mm  
 OI 16-4530-50 50 x 330 mm  
 OI 16-4530-75 75 x 330 mm  
 malleable





malleable



**HABERER**

- OI 16-4531-20 20 cm/7 7/8" 17 x 25 mm
- OI 16-4531-28 28 cm/11" 25 x 30 mm
- OI 16-4531-30 30 cm/11 3/4" 37 x 45 mm

- OI 16-4532-20 6.5 mm
- OI 16-4533-20 9.5 mm
- OI 16-4534-20 13 mm
- OI 16-4535-20 16 mm
- OI 16-4536-20 19 mm
- OI 16-4537-20 25 mm
- 20 cm/7 7/8"

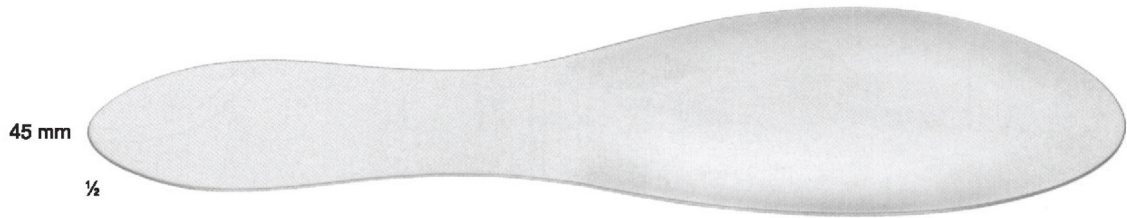


63 mm

45 mm

**REVERDIN**

- OI 16-4538-28 28.5 cm/11 1/4"
- 63 x 45 mm



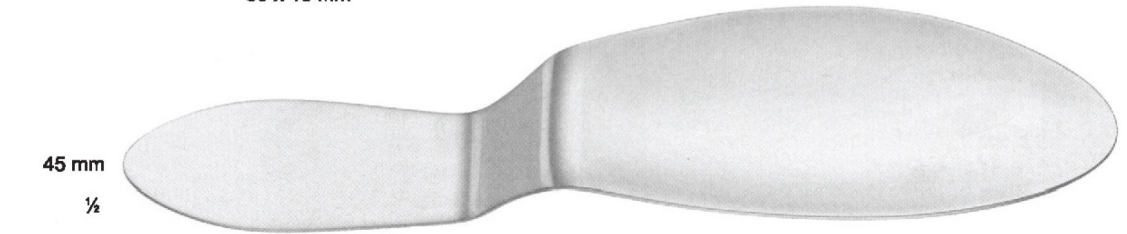
45 mm

60 mm

1/2"

**REVERDIN**

- OI 16-4539-29 29 cm/11 1/2"
- 60 x 45 mm



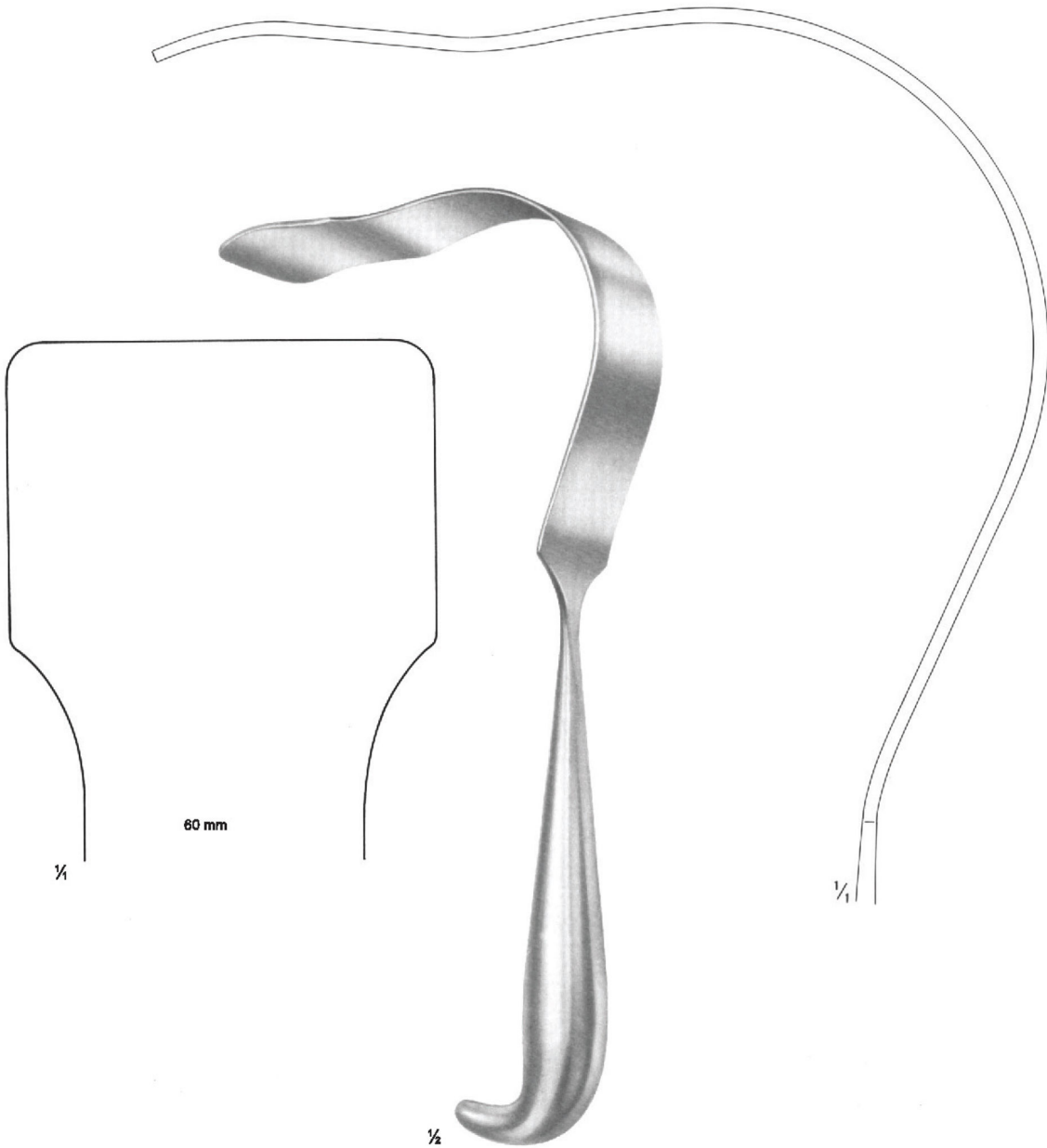
45 mm

60 mm

1/2"

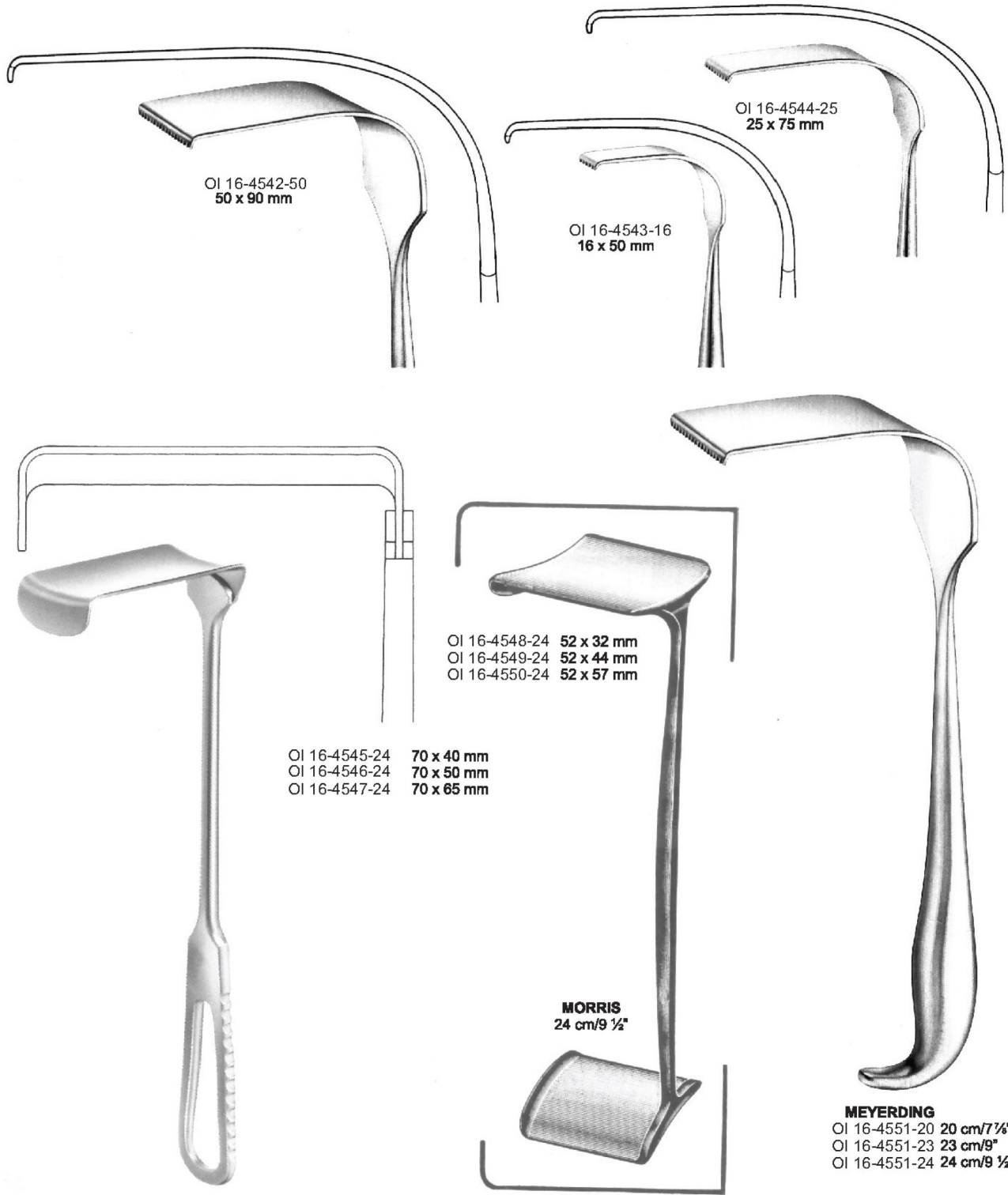
**REVERDIN**

- OI 16-4540-28 28 cm/11"
- 60 x 45 mm



**POLLOSON**  
OI 16-4541-29  
29 cm/11 1/2"

Measurements of retractors: Depth x width



Measurements of Spatulas : Depth x Width



30 x 21 mm  
 38 x 30 mm

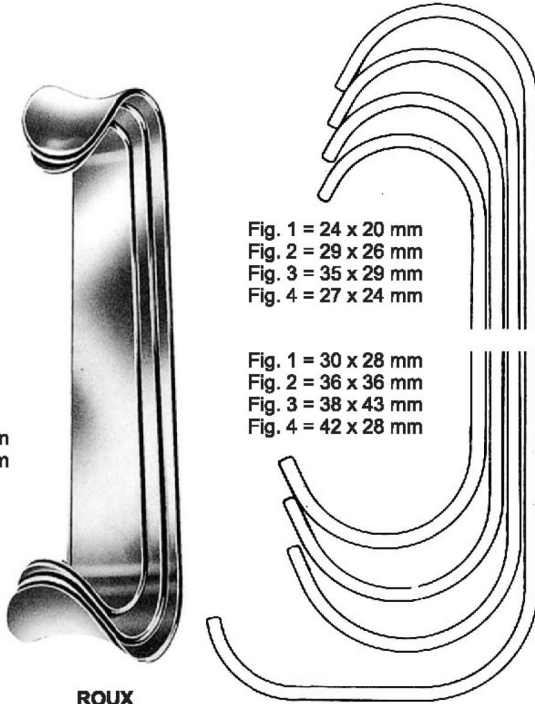


Fig. 1 = 24 x 20 mm  
 Fig. 2 = 29 x 26 mm  
 Fig. 3 = 35 x 29 mm  
 Fig. 4 = 27 x 24 mm

Fig. 1 = 30 x 28 mm  
 Fig. 2 = 36 x 36 mm  
 Fig. 3 = 38 x 43 mm  
 Fig. 4 = 42 x 28 mm

**ROUX**

- OI 16-4552-01 Set Fig. 1 - 3
- OI 16-4552-14 Fig. 1 14 cm/5 1/2"
- OI 16-4552-15 Fig. 2 15 cm/5 7/8"
- OI 16-4552-17 Fig. 3 17 cm/6 3/4"
- OI 16-4552-18 Fig. 4 18 cm/7 1/8"

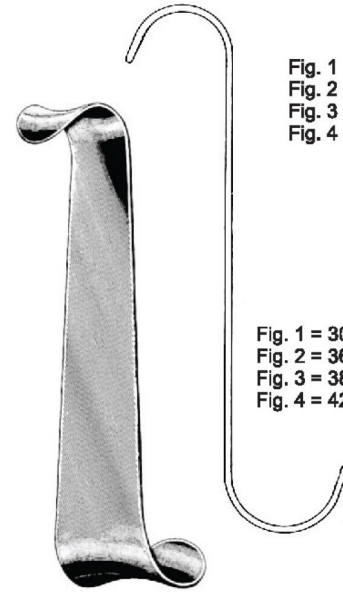


Fig. 1 = 24 x 20 mm  
 Fig. 2 = 29 x 26 mm  
 Fig. 3 = 35 x 39 mm  
 Fig. 4 = 27 x 24 mm

Fig. 1 = 30 x 28 mm  
 Fig. 2 = 36 x 36 mm  
 Fig. 3 = 38 x 43 mm  
 Fig. 4 = 42 x 28 mm

**ROUX-MAGNUS**

- OI 16-4553-01 Set Fig. 1 - 3
- OI 16-4553-14 Fig. 1 14 cm/5 1/2"
- OI 16-4553-15 Fig. 2 15 cm/5 7/8"
- OI 16-4553-17 Fig. 3 17 cm/6 3/4"
- OI 16-4553-18 Fig. 4 18 cm/7 1/8"

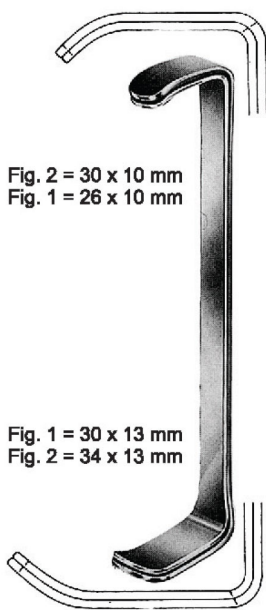


Fig. 2 = 30 x 10 mm  
 Fig. 1 = 26 x 10 mm

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

**FARABEU**

- OI 16-4554-11 Set
- OI 16-4555-11 Fig. 1
- OI 16-4556-11 Fig. 2
- 11.5 cm/4 1/2"

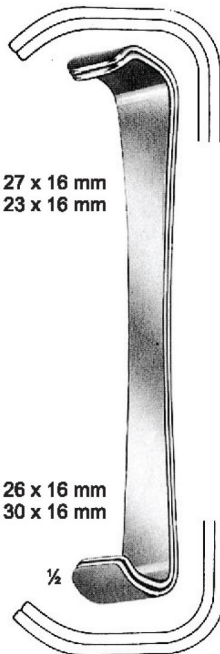
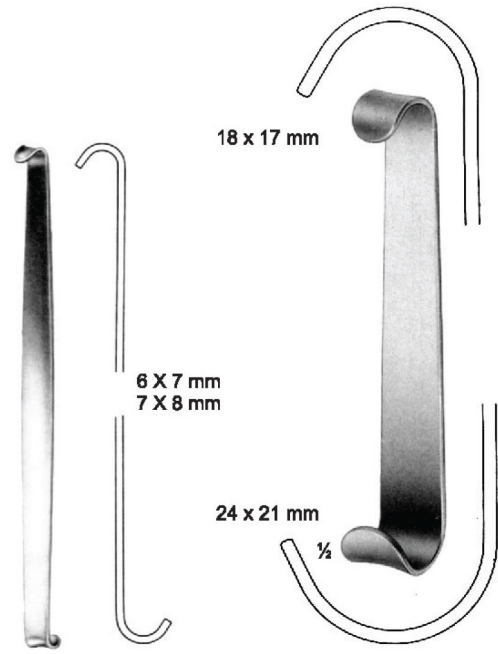


Fig. 2 = 27 x 16 mm  
 Fig. 1 = 23 x 16 mm

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

**FARABEU**

- OI 16-4557-15 Set
- OI 16-4558-15 Fig. 1
- OI 16-4559-15 Fig. 2
- 15 cm/5 1/8"



6 X 7 mm  
 7 X 8 mm

18 x 17 mm

24 x 21 mm

**MINI-ROUX**

- OI 16-4560-14
- 14 cm/5 1/2"

**BABY ROUX**

- OI 16-4561-13
- 13 cm/5 1/8"





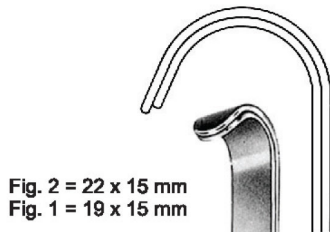


Fig. 1 = 19 x 15 mm  
Fig. 2 = 22 x 15 mm

**PARKER**

OI 16-4562-13 Set  
OI 16-4563-13 Fig. 1  
OI 16-4564-13 Fig. 2  
13.5 cm/5 1/4"

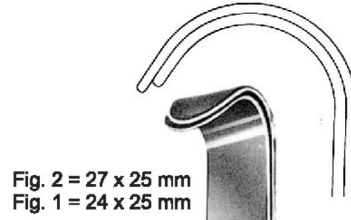


Fig. 1 = 26 x 25 mm  
Fig. 2 = 29 x 25 mm

**PARKER**

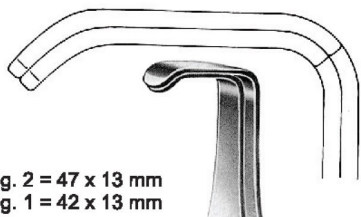
OI 16-4565-18 Set  
OI 16-4566-18 Fig. 1  
OI 16-4567-18 Fig. 2  
18 cm/7 1/8"



Fig. 1 = 68 x 24 mm  
Fig. 2 = 72 x 24 mm

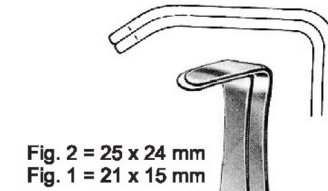
**PARKER-MOTT**

OI 16-4568-16 Set  
OI 16-4569-16 Fig. 1  
OI 16-4570-16 Fig. 2  
16 cm/6 1/4"



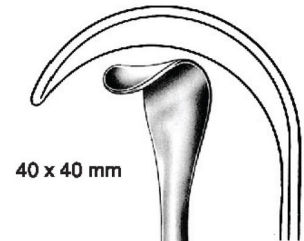
**MATHIEU**  
OI 16-4571-20 Set  
OI 16-4572-20 Fig. 1  
OI 16-4573-20 Fig. 2  
20 cm/7 7/8"

Fig. 1 = 42 x 26 mm  
Fig. 2 = 46 x 26 mm



**PARKER-LANGENBECK**  
OI 16-4574-21 Set  
OI 16-4575-21 Fig. 1  
OI 16-4576-21 Fig. 2  
21 cm/8 1/4"

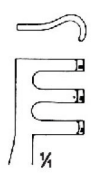
Fig. 1 = 40 x 15 mm  
Fig. 2 = 45 x 15 mm



**GOLET**  
OI 16-4577-19  
19 cm/7 1/2"

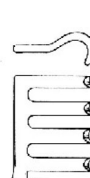
30 x 30 mm



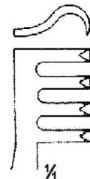


Sharp  
Blunt

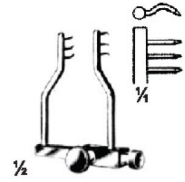
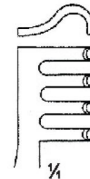
**FINSEN**  
5 cm/2"  
OI 16-4584-05  
OI 16-4585-05  
spreading 16 mm



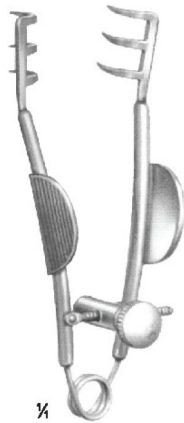
**FINSEN**  
7 cm/2 3/4"  
OI 16-4586-07  
OI 16-4587-07  
spreading 20 mm



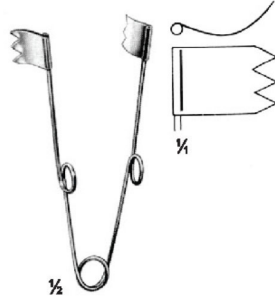
**FINSEN**  
7 cm/2 3/4"  
sharp OI 16-4588-07  
blunt OI 16-4589-007  
spreading 30 mm



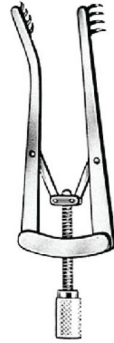
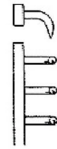
**LOGAN**  
4 cm/1 1/2"  
OI 16-4590-04  
sharp  
spreading 16 mm



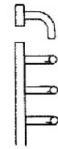
**BUCKLEY**  
OI 16-4591-06  
6 cm/2 1/4"  
sharp



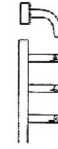
**FINSEN**  
OI 16-4592-08  
8 cm/3 1/4"



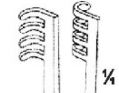
**ALM**  
Sharp OI 16-4593-7  
Blunt OI 16-4594-077  
OI 16-4593-10 OI 16-4594-1010  
10 cm/3 1/8"



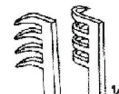
Semi Sharp  
OI 16-4595-14  
10 cm/3 1/8"



**HOLZHEIMER**  
10 cm/3 1/8"



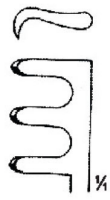
Blunt  
OI 16-4596-10



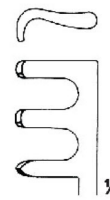
Sharp  
OI 16-4597-10



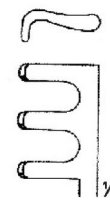
**JANSEN**  
10 cm/3 1/8"



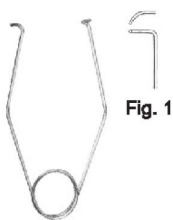
OI 16-4598-10  
Sharp



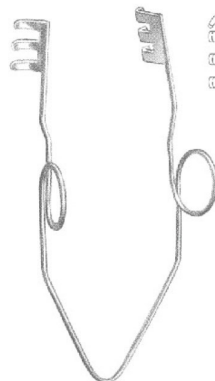
OI 16-4599-10  
with 1 sharp and 2 blunt prongs each



OI 16-4600-10  
Blunt

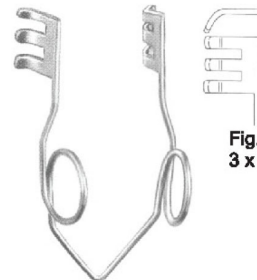


OI 16-4601-01



OI 16-4602-03

Fig. 3  
3 x 3



OI 16-4603-02

Fig. 2  
3 x 3





**WEITLANER**  
 2 : 2

OI 16-4604-13 sharp  
 OI 16-4605-13 blunt  
 13.5 cm/5 1/8"



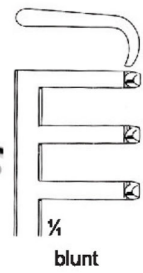
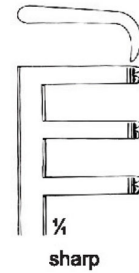
**WEITLANER**  
 2 : 2

OI 16-4606-13 semi sharp  
 13.5 cm/5 1/8"



**WEITLANER**  
 2 : 3

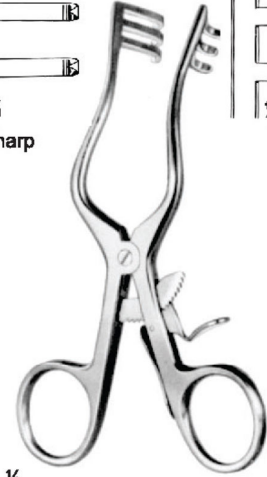
OI 16-4607-10 sharp  
 OI 16-4608-10 blunt  
 10.5 cm/4 1/8"



1/2

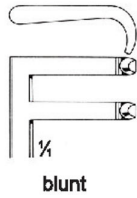
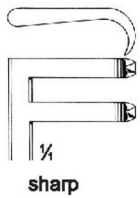
**WEITLANER**  
 3 : 4

OI 16-4609-13 13 cm/5 1/8" sharp  
 OI 16-4610-13 13 cm/5 1/8" blunt  
 OI 16-4611-16 16.5 cm/6 1/2" sharp  
 OI 16-4512-16 16.5 cm/6 1/2" blunt



**WEITLANER-WULLSTEIN**  
 3 : 3

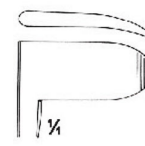
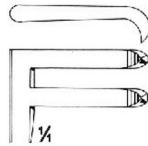
OI 16-4613-13 sharp  
 OI 16-4614-13 blunt  
 13 cm/5 1/8"



1/2

**PLESTER**

OI 16-4615-13 sharp  
 OI 16-4616-13 blunt  
 13 cm/5 1/8"



1/2

**PLESTER**

Blunt  
 OI 16-4617-10  
 10.5 cm/4 1/8"

1/2

**PLESTER**

Blunt  
 OI 16-4618-10  
 10.5 cm/4 1/8"

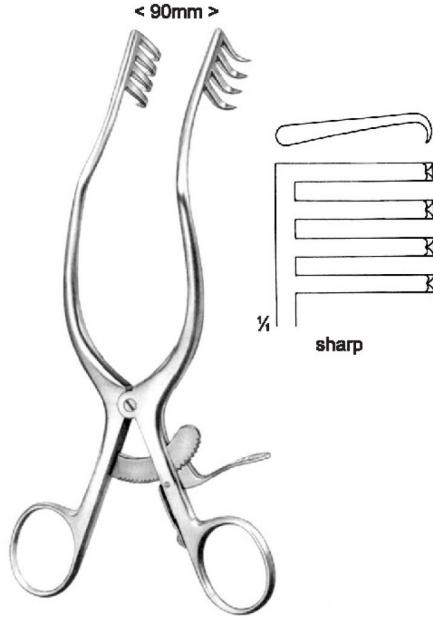
1/2

**MILLIGAN**

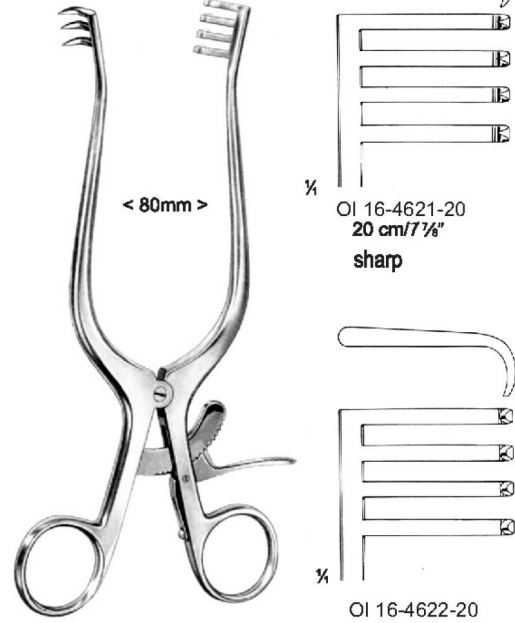
Blunt  
 OI 16-4619-13  
 13.5 cm/5 1/8"

Measurements of Retractors : Depth x Width



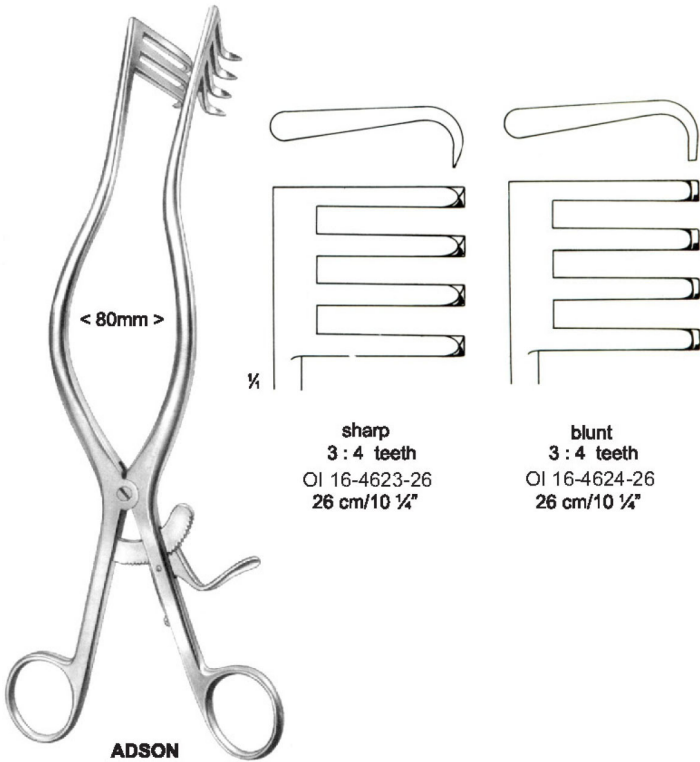


**ANDERSON - ADSON**  
4 : 4  
OI 16-4620-19  
19 cm/7 1/2"



**WEITLANER**  
3 : 4  
OI 16-4621-20  
20 cm/7 1/8"  
sharp

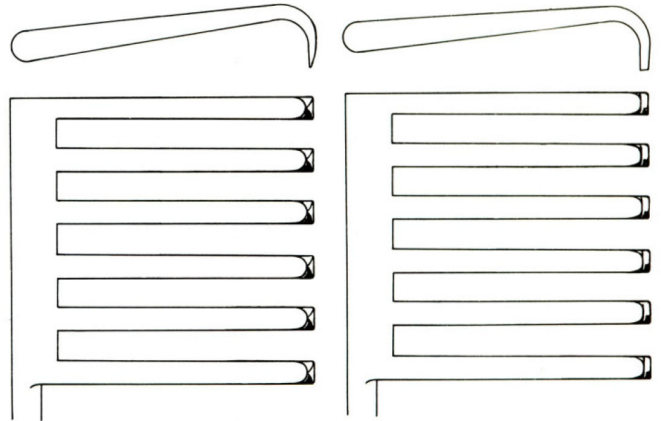
OI 16-4622-20  
20 cm/7 1/8"  
blunt



**ADSON**

sharp  
3 : 4 teeth  
OI 16-4623-26  
26 cm/10 1/4"

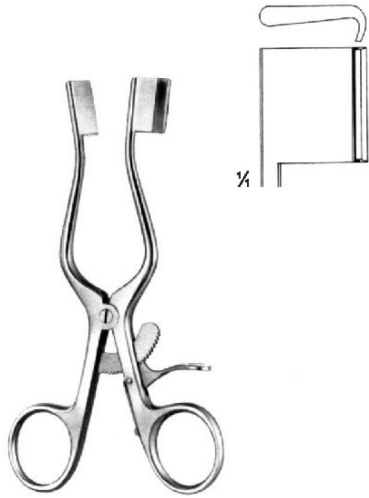
blunt  
3 : 4 teeth  
OI 16-4624-26  
26 cm/10 1/4"



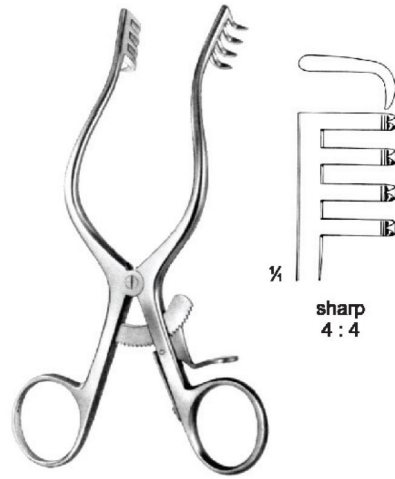
sharp  
6 : 6 teeth  
OI 16-4625-29  
29 cm/11 1/2"

blunt  
6 : 6 teeth  
OI 16-4626-29  
29 cm/11 1/2"

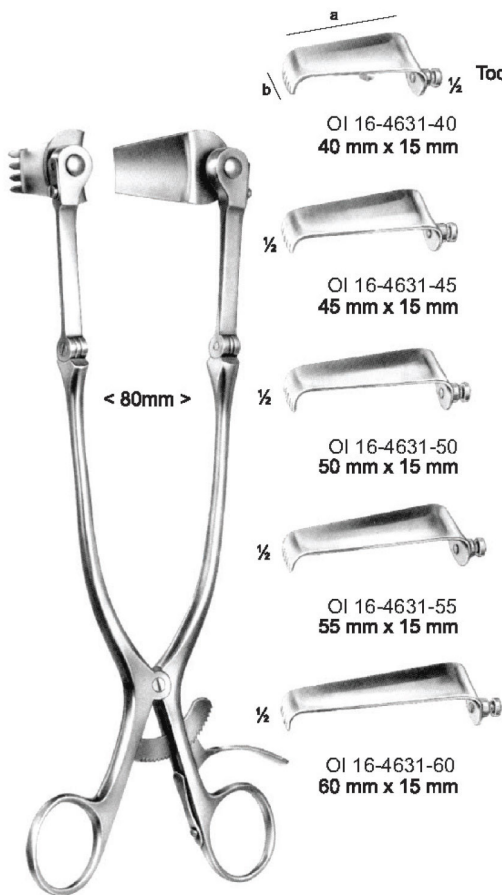




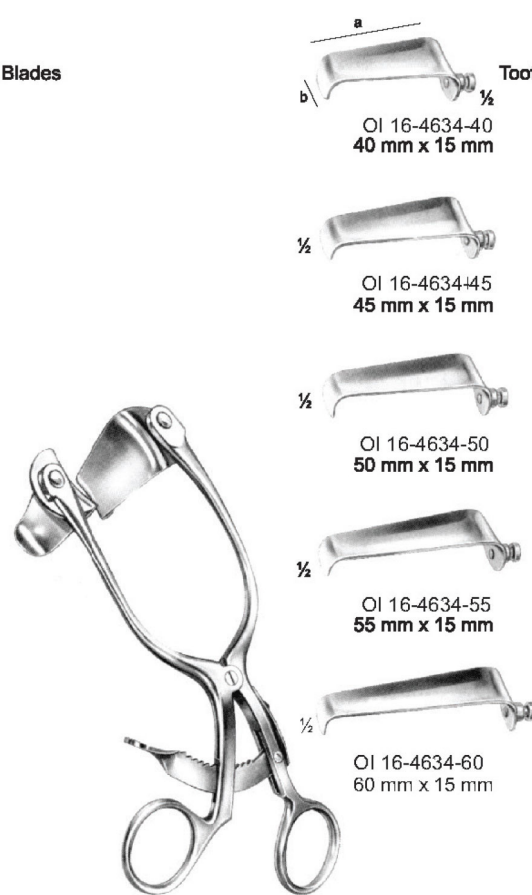
**WEITLANER-BABY**  
 OI 16-4627-13  
 13.5 cm/5 1/8"



**MOLLISON**  
 OI 16-4628-15  
 15.5 cm/6 1/8"



**CLOWARD**  
 OI 16-4629-25 - Retractor complete (with 2 blades ea.)  
 OI 16-4630-25 - Retractor only  
 25 cm/9 1/4"



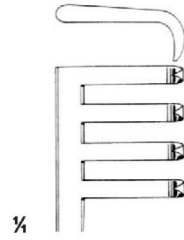
**CLOWARD**  
 OI 16-4632-16 - Retractor complete (with 2 blades ea.)  
 OI 16-4633-16 - Retractor only  
 16 cm/6 1/4"



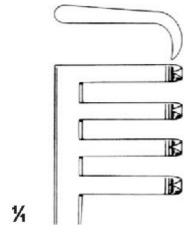


ADSON

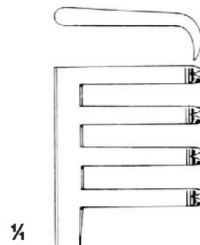
sharp



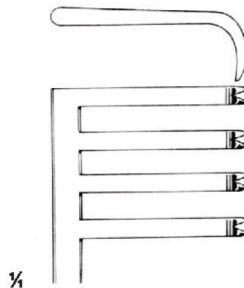
OI 16-4635-13  
13.5 cm/5 3/8"  
3 : 4



OI 16-4637-16  
16.5 cm/6 1/2"  
3 : 4

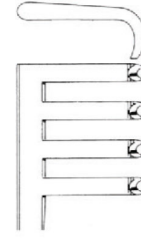


OI 16-4639-21  
21 cm/8 1/4"  
3 : 4

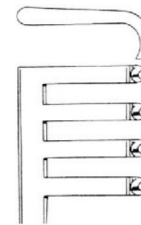


OI 16-4641-24  
24.5 cm/9 5/8"  
3 : 4

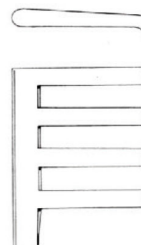
blunt



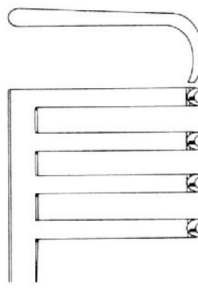
OI 16-4636-13  
13.5 cm/5 3/8"  
3 : 4



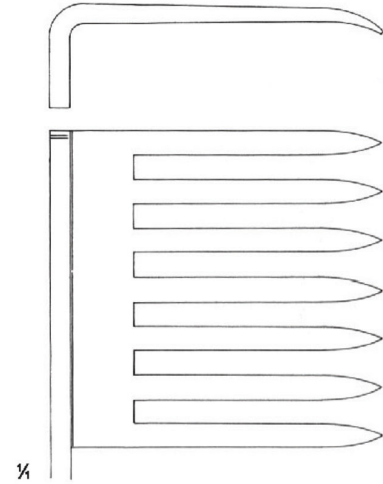
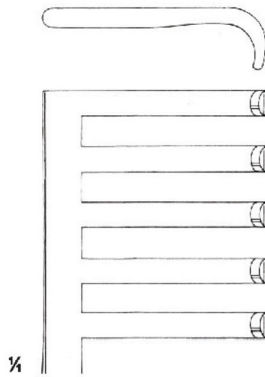
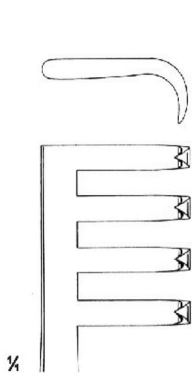
OI 16-4638-16  
16.5 cm/6 1/2"  
3 : 4



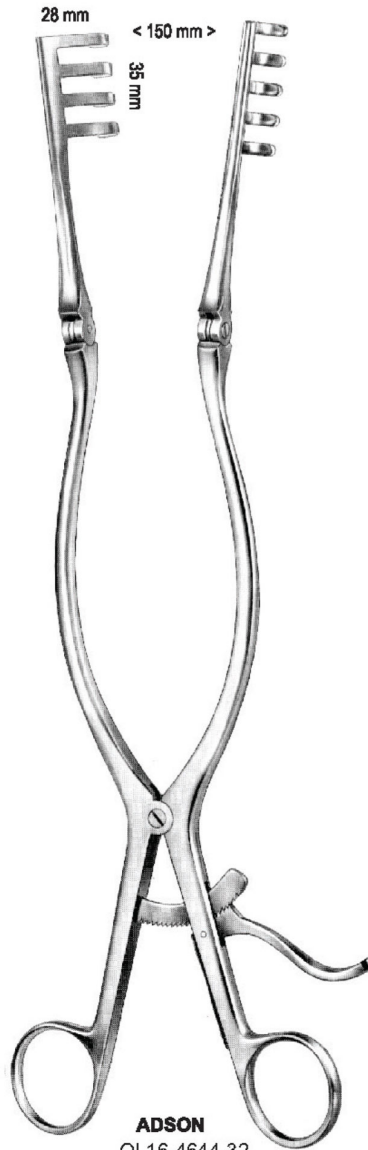
OI 16-4640-21  
21 cm/8 1/4"  
3 : 4



OI 16-4642-24  
24.5 cm/9 5/8"  
3 : 4



**BECKMANN**  
 OI 16-4643-31  
 31 cm/12 1/4"  
 4 : 4  
 sharp



**ADSON**  
 OI 16-4644-32  
 32 cm/12 1/2"  
 4 : 5  
 blunt



**BECKMANN-EATON**  
 OI 16-4645-32  
 32 cm/12 1/2"  
 7 : 7  
 Sharp

Measurements of retractors: Depth x Width

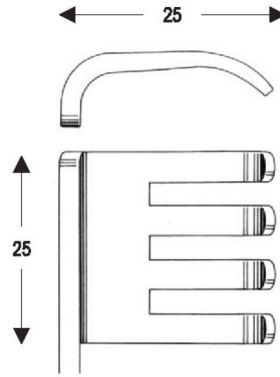




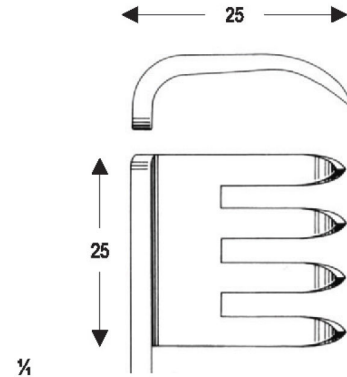


½

**BECKMAN-ADSON**  
30.5 cm/12"  
4 : 4

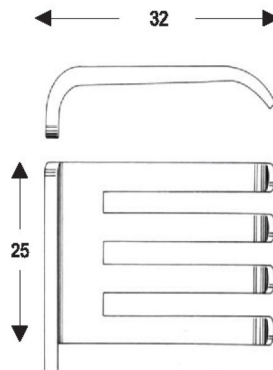


OI 16-4646-30  
blunt

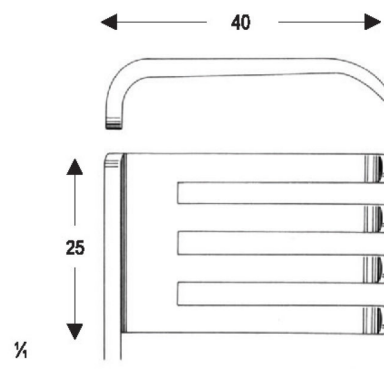


¼

OI 16-4647-30  
sharp

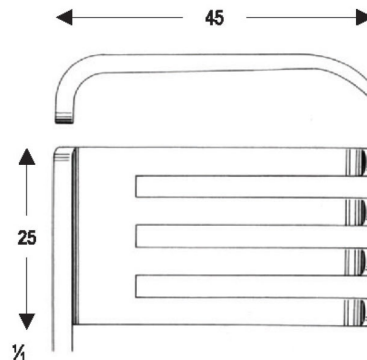


OI 16-4648-30  
blunt



¼

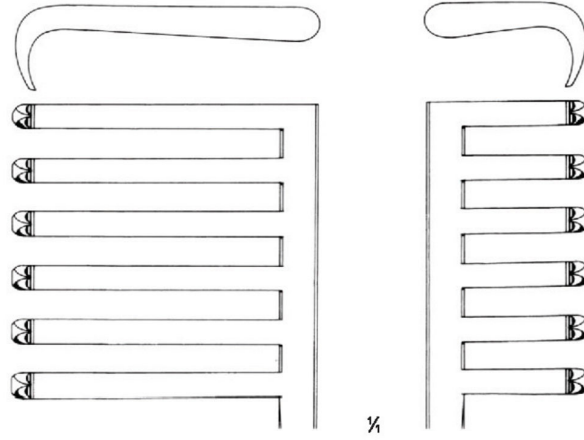
OI 16-4649-30  
blunt



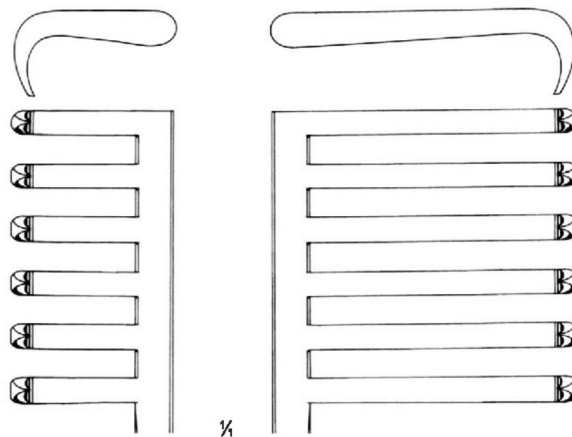
OI 16-4650-30  
blunt



28.5 cm/11 1/4"  
 6 : 6



OI 16-4651-28  
 Sharp, long teeth on left side

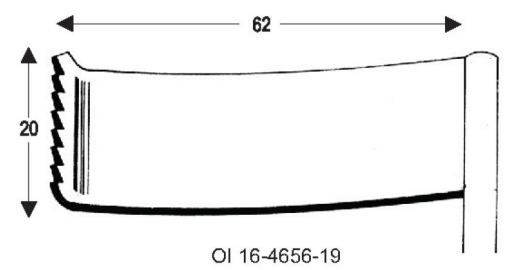
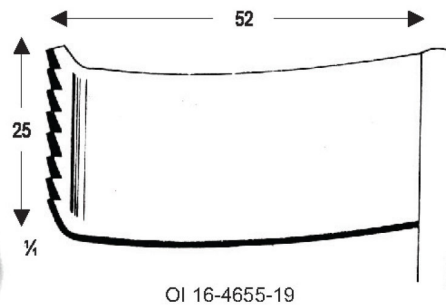
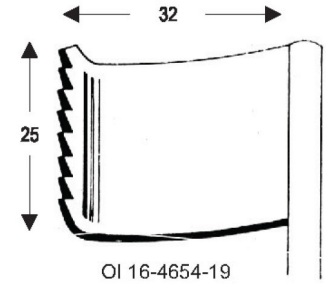
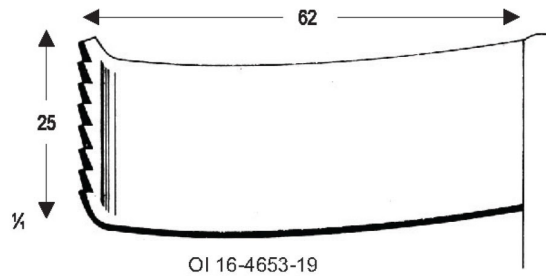


OI 16-4652-28  
 Sharp, long teeth on right side





**MEYERDING**  
19 cm / 7 1/2"



Measurements of retractors: Depth x Width

Lateral Blade  
 25 x 50 mm

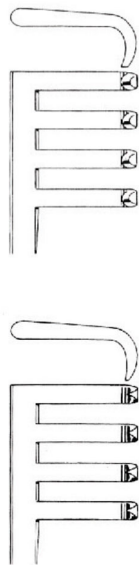


**MARKHAM-MEYERDING**  
 OI 16-4657-18  
 18 cm/7 1/8"

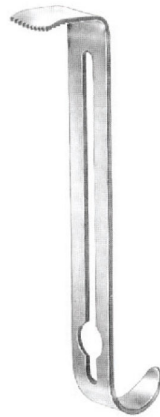
Lateral Blade  
 25 x 50 mm



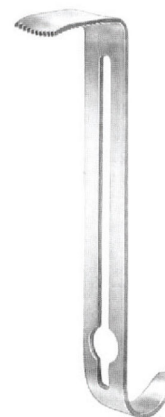
**MARKHAM-MEYERDING**  
 OI 16-4658-18  
 18 cm/7 1/8"



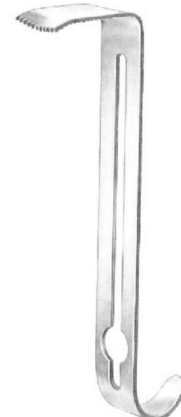
**HENLEY**  
 16 cm/6 1/4"



OI 16-4659-16  
 19 x 16 mm



OI 16-4660-16  
 25 x 16 mm



OI 16-4661-16  
 32 x 16 mm

Measurements of retractors: Depth x Width





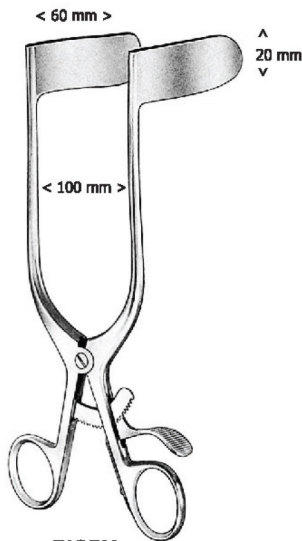
**GELPI**

- OI 16-4662-09 9 cm/3 1/2"
- OI 16-4662-11 11 cm/4 3/8"
- OI 16-4662-13 13 cm/5 1/8"
- OI 16-4662-14 14 cm/5 1/2"
- OI 16-4662-16 16 cm/6 1/4"
- OI 16-4662-18 18 cm/7 1/8"

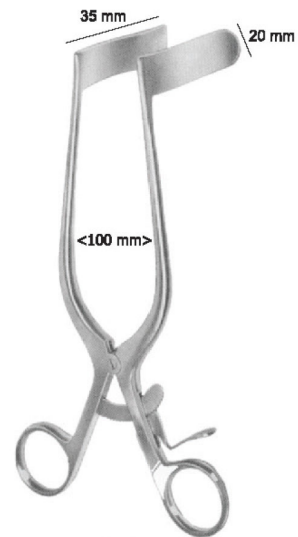


**GELPI-LOKTITE**

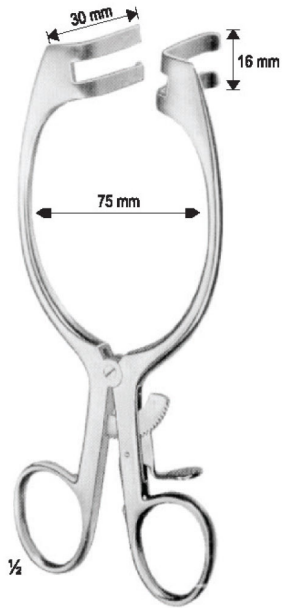
- OI 16-4663-09 9 cm/3 1/2"
- OI 16-4663-11 11 cm/4 3/8"
- OI 16-4663-13 13 cm/5 1/8"
- OI 16-4663-14 14 cm/5 1/2"
- OI 16-4663-16 16 cm/6 1/4"
- OI 16-4663-18 18 cm/7 1/8"



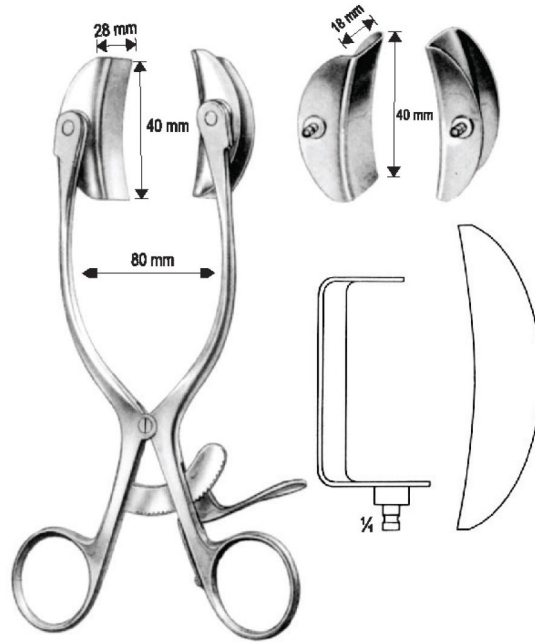
**RIGBY**  
OI 16-4664-19  
(Rectum, Vagina)  
19 cm/7 1/2"



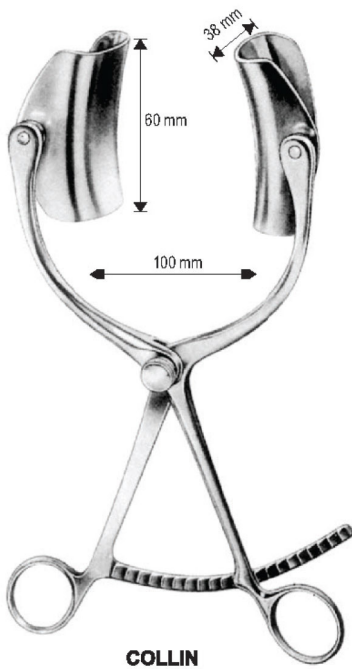
OL16-4665-18  
18 cm/7 1/8"



**MAYO-ADAMS**  
 OI 16-4666-16  
 16.5 cm/6 1/2"



**BABY-COLLIN** complete, with 2 pairs of exchangeable blades  
 OI 16-4667-00



**COLLIN**  
 OI 16-4668-38



Measurements see below

**Exchangeable Blades**

<b>COLLIN</b>	
OI 16-4669-38	Lateral Blades 38 x 60 mm / Central Blades 38 x 55 mm
OI 16-4670-38	38 x 80mm / 50 x 75mm

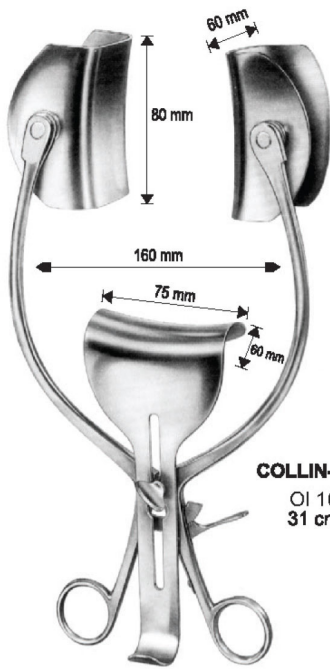
Measurements of retractors: Depth x Width





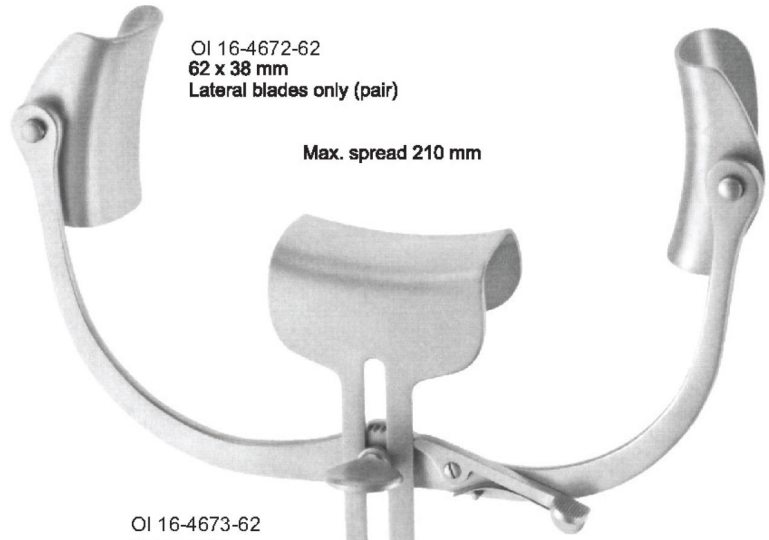


**Exchangeable Blades**



**COLLIN-LOCKTITE**

OI 16-4671-31  
31 cm 12 1/4"

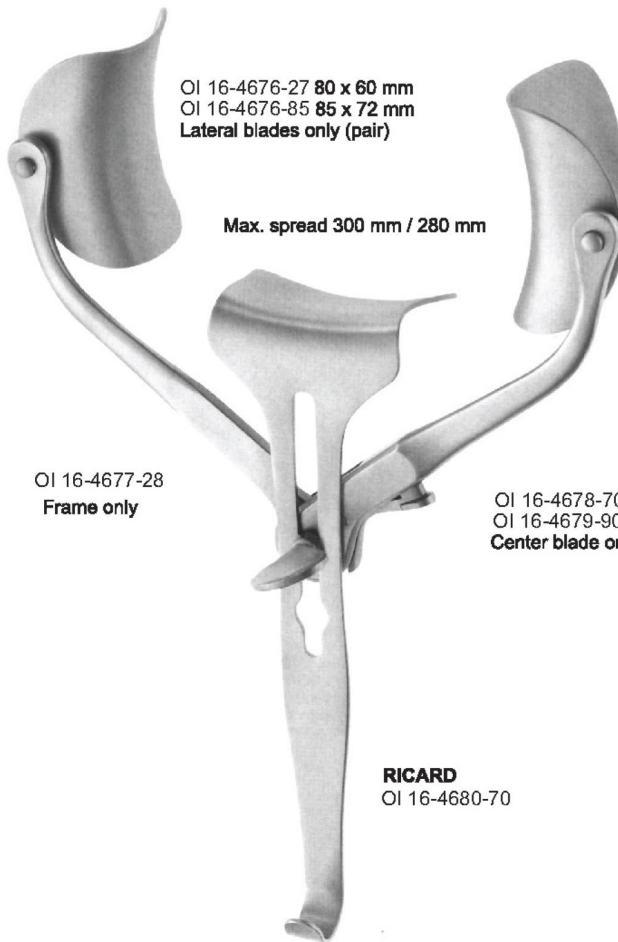


OI 16-4672-62  
62 x 38 mm  
Lateral blades only (pair)

Max. spread 210 mm

OI 16-4673-62  
Frame only

OI 16-4674-64  
64 x 40 mm  
Center blade only



OI 16-4676-27 80 x 60 mm  
OI 16-4676-85 85 x 72 mm  
Lateral blades only (pair)

Max. spread 300 mm / 280 mm

OI 16-4677-28  
Frame only

OI 16-4678-70 70 x 55 mm  
OI 16-4679-90 90 x 80 mm  
Center blade only

**ROBIN-MASSE**  
OI 16-4675-64

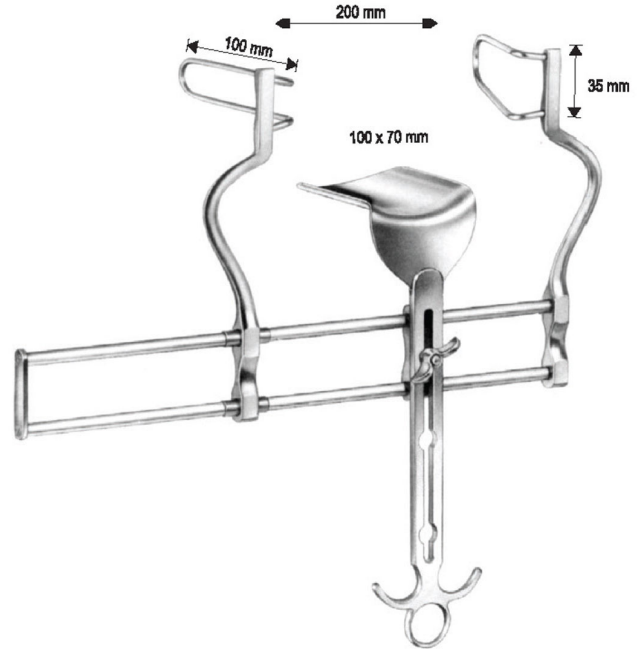
**RICARD**  
OI 16-4680-70

Measurements of retractors: Depth x Width

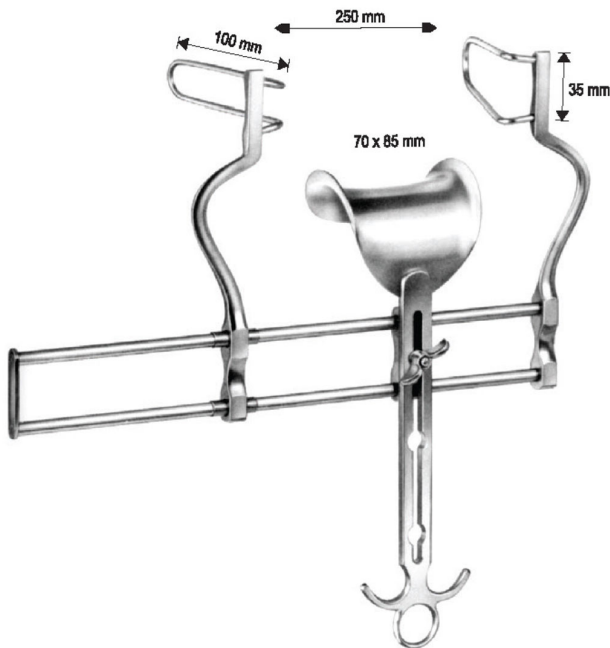




**BALFOUR**  
 OI 16-4681-20  
 20 cm / 7 7/8"



**BALFOUR**  
 OI 16-4682-20



**BALFOUR**  
 OI 16-4683-00

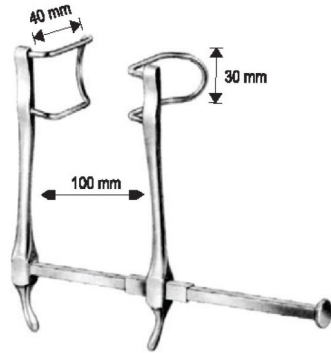
Centre Blade only



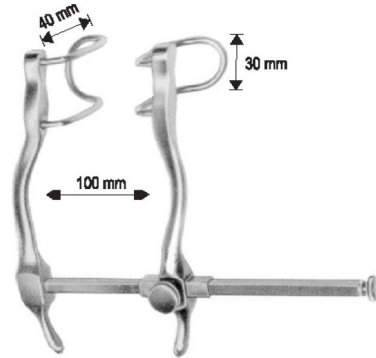
**BALFOUR**  
 OI 16-4684-45 = 45 X 80 mm  
 OI 16-4684-70 = 70 X 85 mm  
 OI 16-4684-80 = 80 X 90 mm

Measurements of retractors: Depth x Width

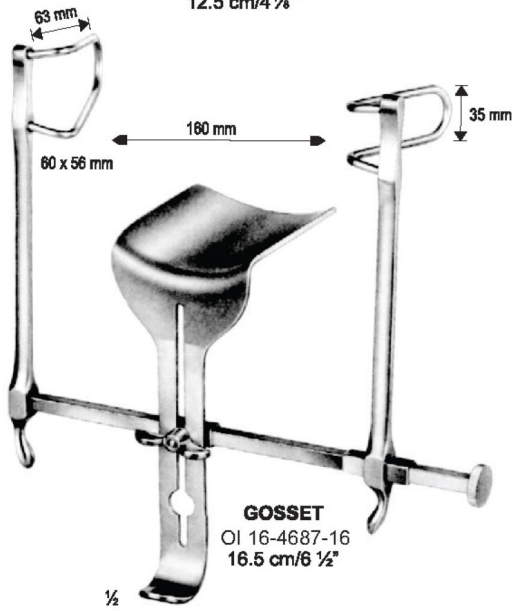




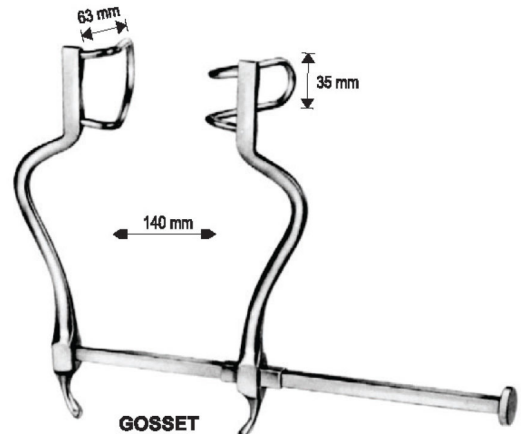
**GOSSET-BABY**  
OI 16-4685-12  
12.5 cm/4 1/8"



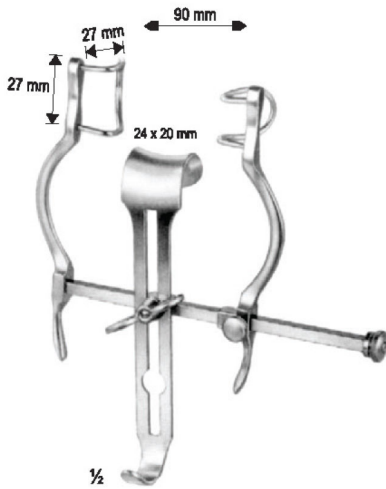
**GOSSET**  
OI 16-4686-12



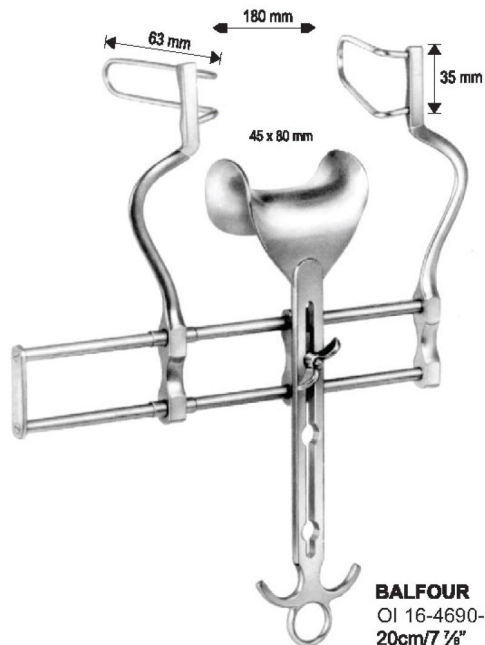
**GOSSET**  
OI 16-4687-16  
16.5 cm/6 1/2"



**GOSSET**  
OI 16-4688-18  
18.5 cm/7 1/4"

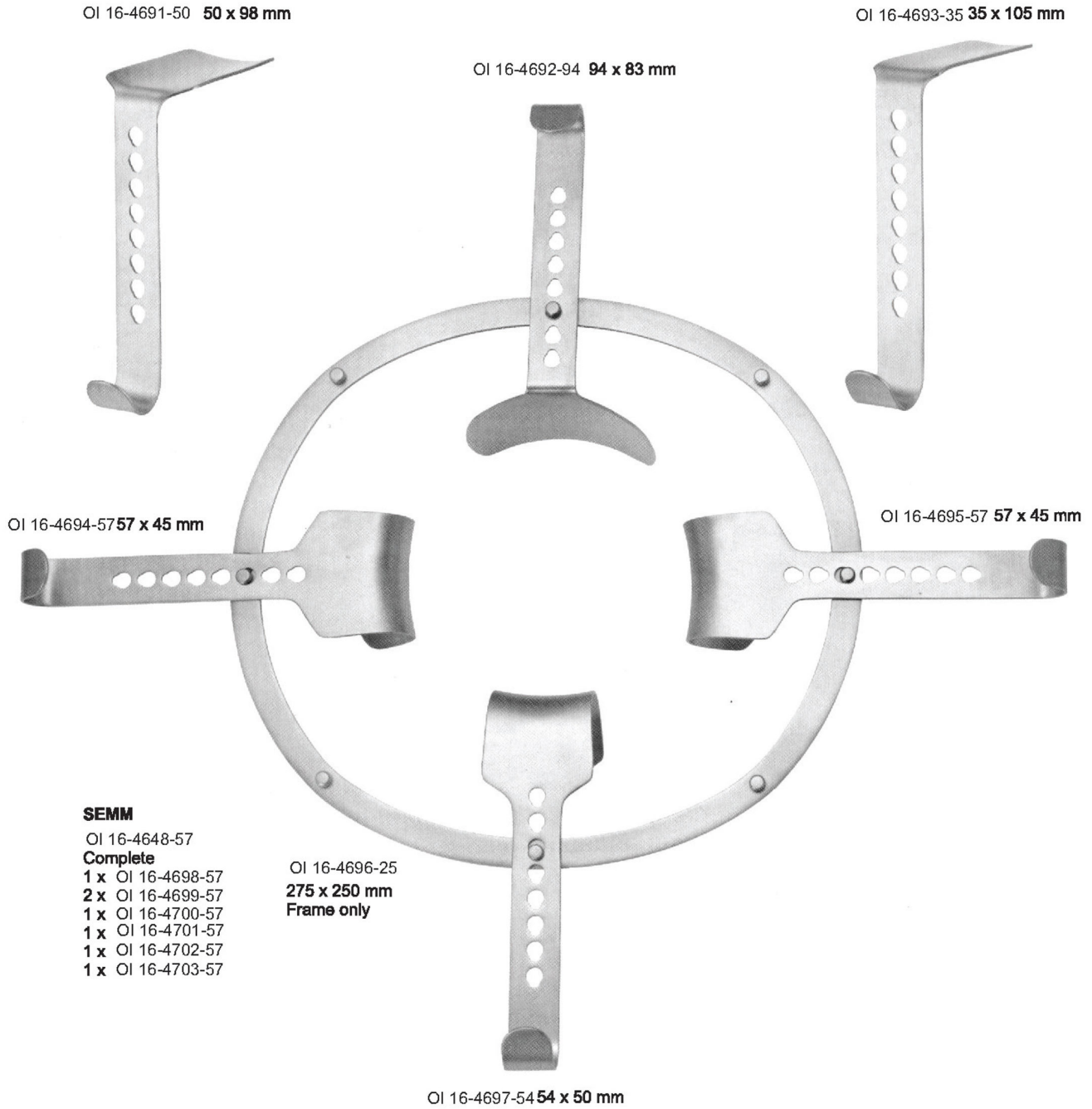


**BALFOUR-BABY**  
OI 16-4689-12  
12.5 cm/4 1/8"



**BALFOUR**  
OI 16-4690-20  
20 cm/7 1/8"

Measurements of retractors: Depth x Width



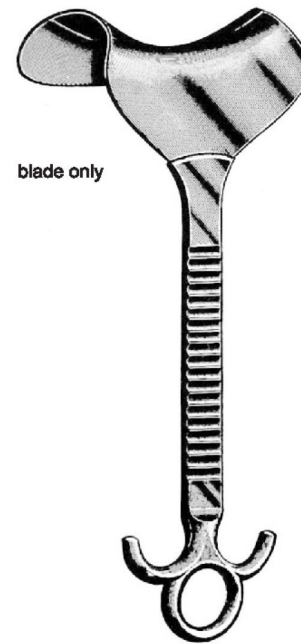
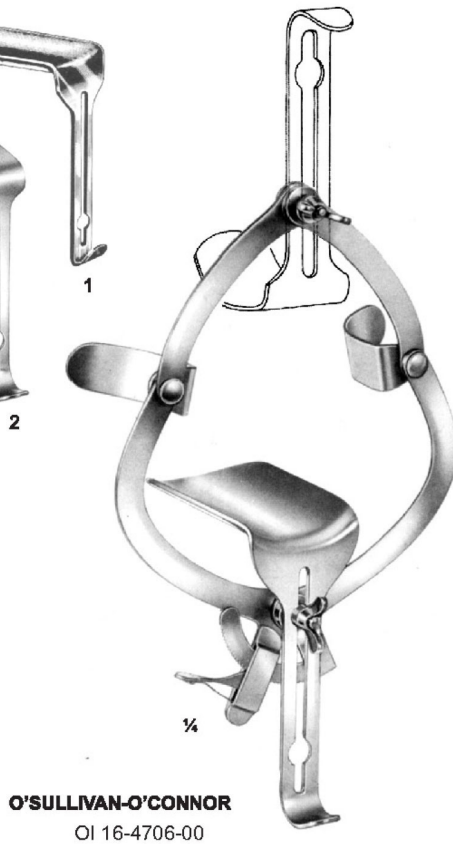
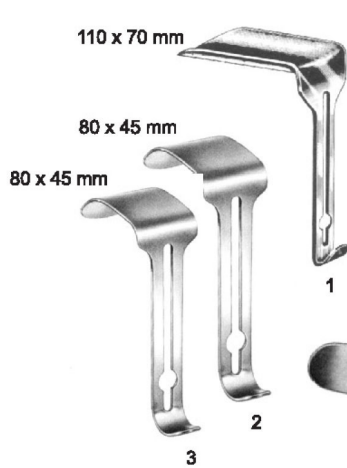
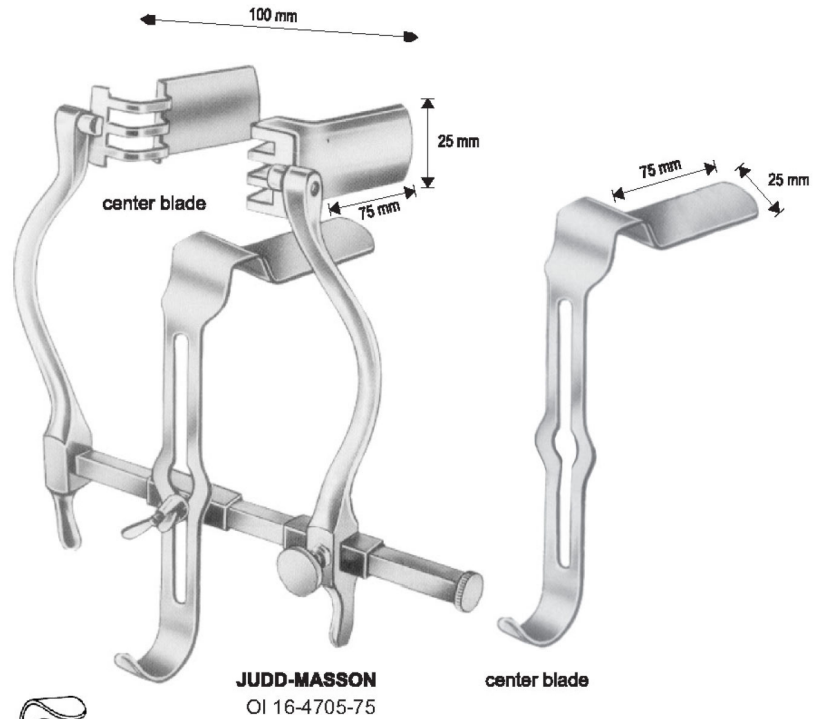
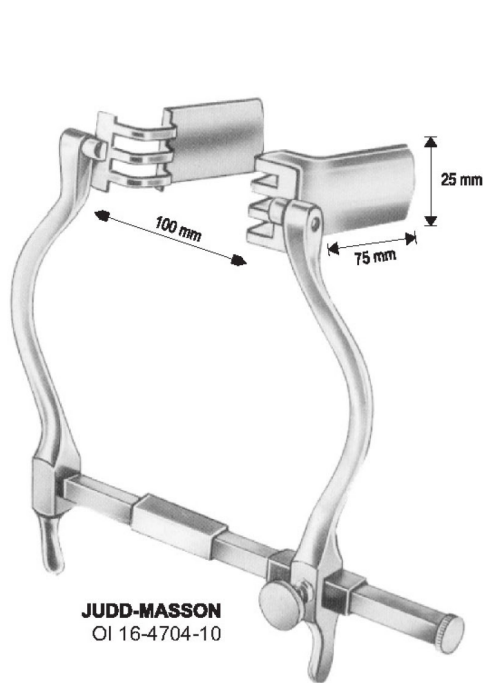
**SEMM**

OI 16-4648-57

**Complete**

- 1 x OI 16-4698-57
- 2 x OI 16-4699-57
- 1 x OI 16-4700-57
- 1 x OI 16-4701-57
- 1 x OI 16-4702-57
- 1 x OI 16-4703-57

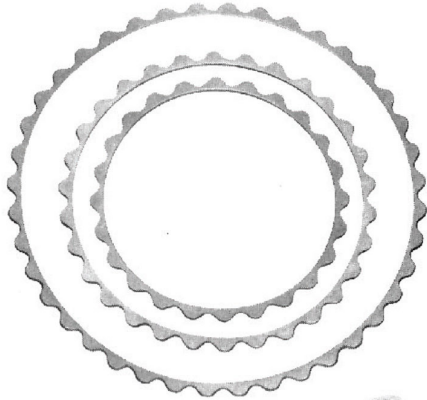
Measurements of retractors: Depth x Width



- DOYEN**  
OI 16-4707-55 55 x 95 mm  
OI 16-4708-55 55 x 105 mm  
OI 16-4709-55 55 x 115 mm  
OI 16-4710-55 55 x 125 mm

Measurements of retractors: Depth x Width

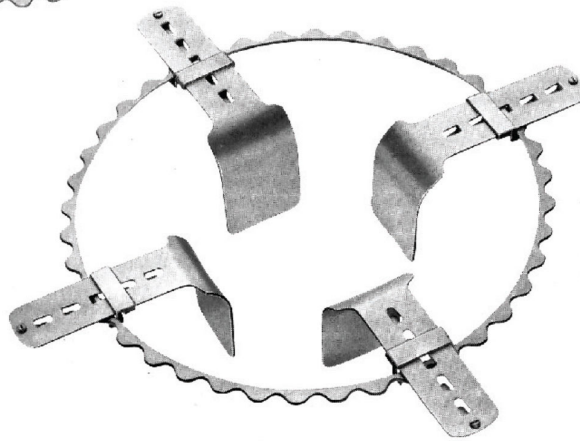




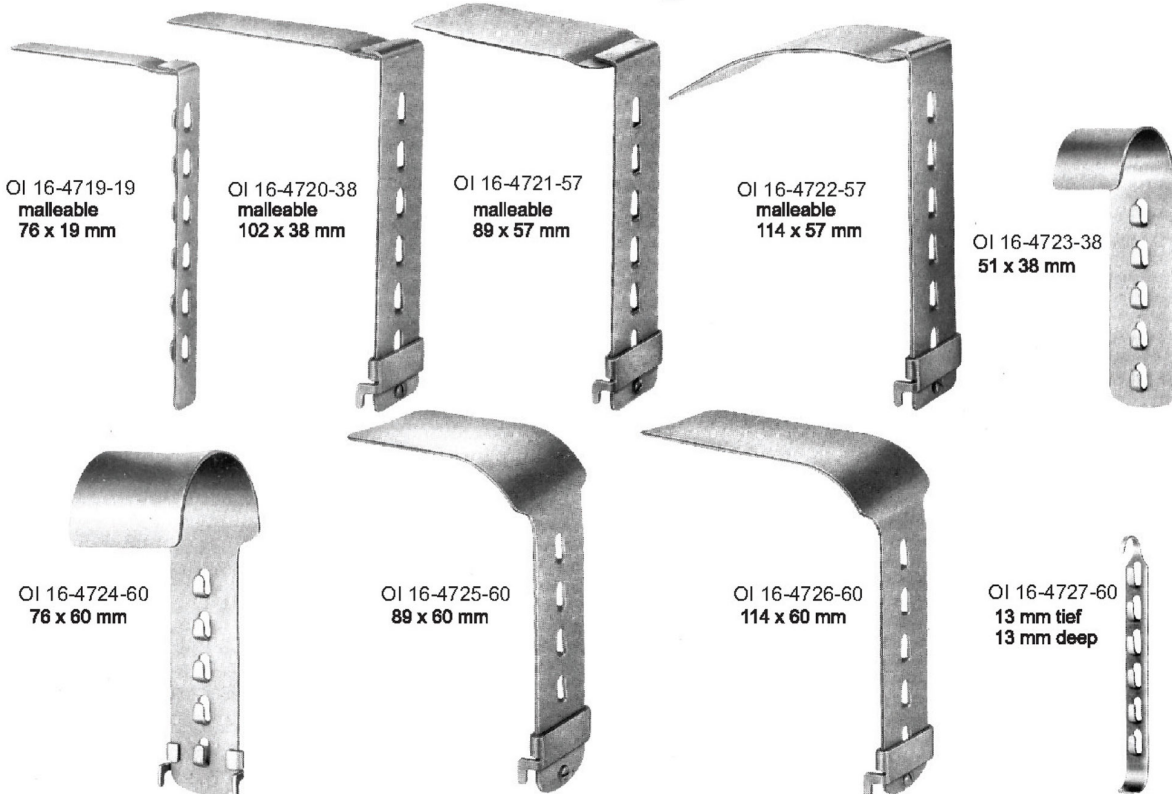
**TURNER-WARWICK**  
 Retractor frame, round  
 OI 16-4711-18 Ø 18 cm/7 1/8"  
 OI 16-4711-23 Ø 23cm/9"  
 OI 16-4711-30 Ø 30.5cm/12"



**TURNER-WARWICK**  
 OI 16-4712-33  
 Retractor frame, oval  
 457 x 330 mm



**TURNER-WARWICK**  
 OI 16-4713-33  
 Abdominal retractor, complete  
 consisting of  
 1 frame OI 16-4714-33  
 2 retractor blades of each OI 16-4715-33  
 2 abdominal retractor of each OI 16-4716-33  
 2 abdominal retractor of each OI 16-4717-33  
 2 retractor blade single hooks OI 16-4718-33



OI 16-4719-19  
 malleable  
 76 x 19 mm

OI 16-4720-38  
 malleable  
 102 x 38 mm

OI 16-4721-57  
 malleable  
 89 x 57 mm

OI 16-4722-57  
 malleable  
 114 x 57 mm

OI 16-4723-38  
 51 x 38 mm

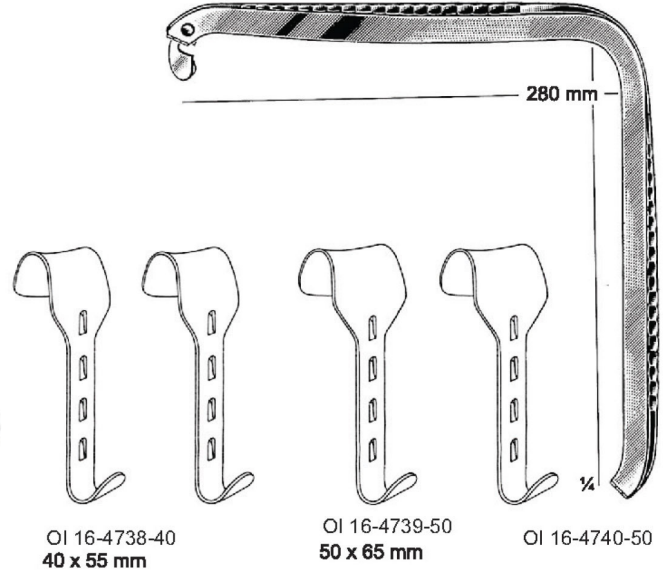
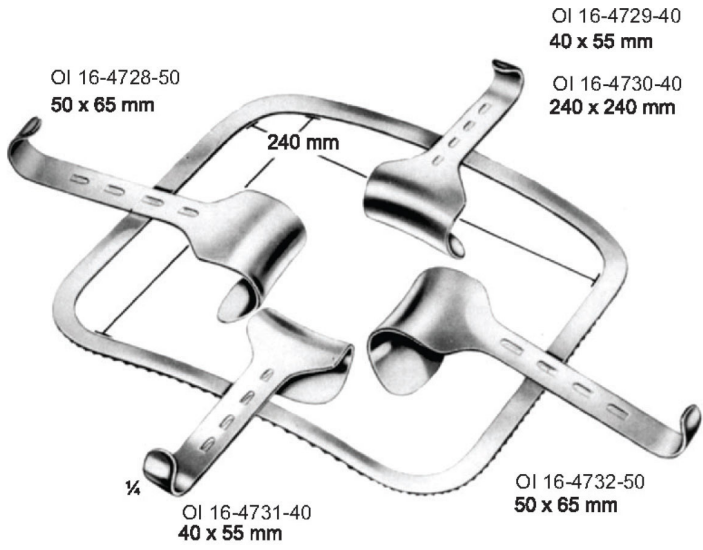
OI 16-4724-60  
 76 x 60 mm

OI 16-4725-60  
 89 x 60 mm

OI 16-4726-60  
 114 x 60 mm

OI 16-4727-60  
 13 mm tief  
 13 mm deep





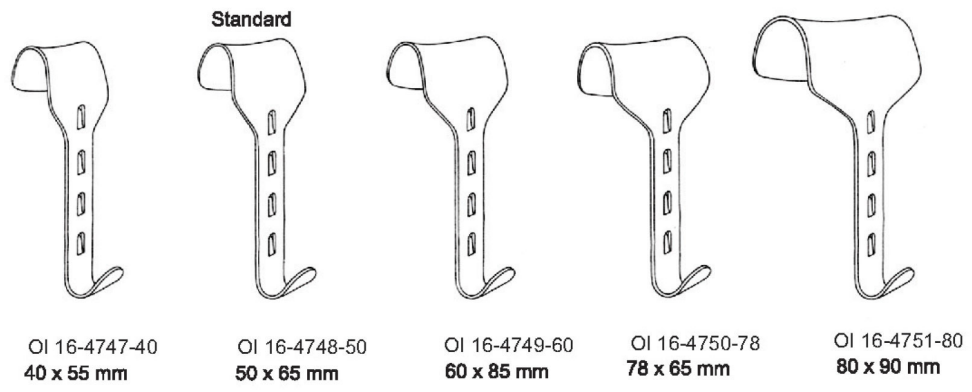
**KIRSCHNER**  
OI 16-4733-00

- OI 16-4734-00 - Kirschner, Abdominal Retractor - complete, consisting of:
- OI 16-4735-00 - 2 Hook-on retractors, 40 x 55 mm
- OI 16-4736-00 - 2 ditto, 50 x 65 mm
- OI 16-44737-00 - Frame only, rigid, 240 x 240 mm

**KIRSCHNER**  
OI 16-4741-00

- OI 16-4742-00 - Kirschner, Abdominal Retractor, folding, - large size, complete, consisting of:
- OI 16-4743-00 - 1 Frame folding type, large size - 280 x 280 mm
- OI 16-4744-00 - 2 Hook-on retractors, 40 x 55 mm
- OI 16-4745-00 - 2 ditto, 50 x 65 mm
- OI 16-4746-00 - Frame only, folding type 280 x 280 mm

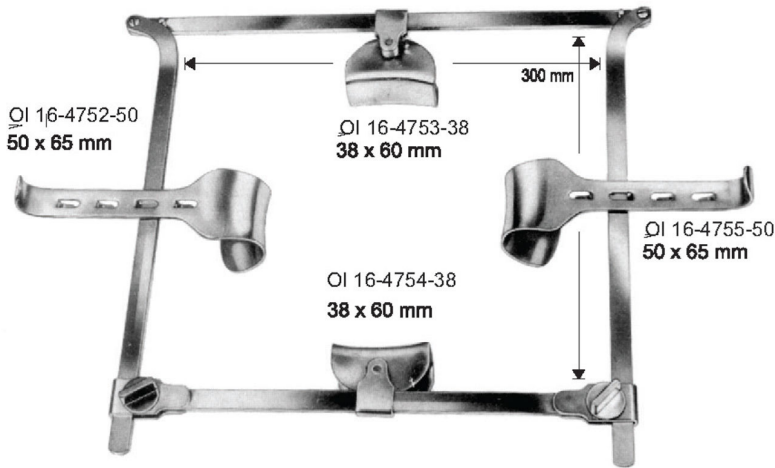
**Hook-on Retractors for Kirschner and Franz Frames**



**for corpulent patients**

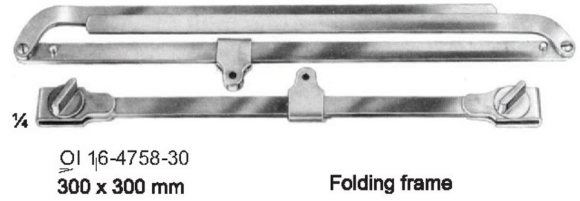
Measurements of retractors: Depth x Width





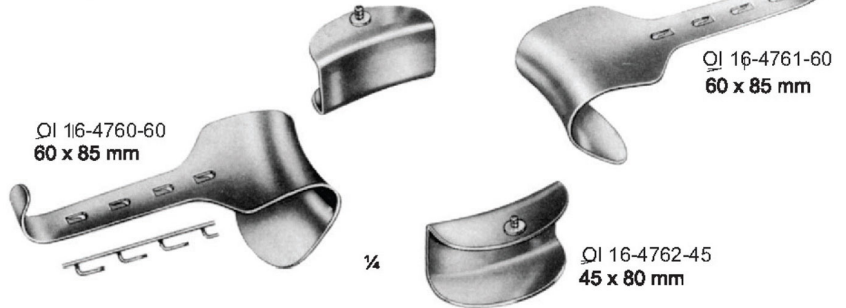
**FRANZ (Complete)**

OI 16-4756-38 with 4 blades  
 OI 16-4757-38 with 8 blades



Folding frame

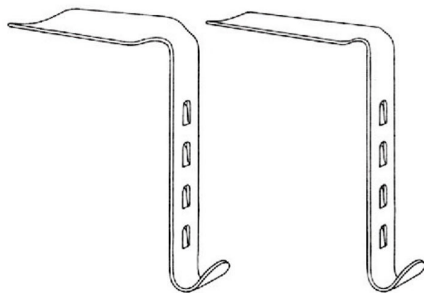
OI 16-4759-45  
 45 x 80 mm



- OI 16-4763-50 - Franz, Abdominal Retractor, folding, - complete, consisting of:
- OI 16-4764-50 - 2 Hook-on retractors, 50 x 65 mm
- OI 16-4765-50 - 2 exchangeable blades 38 x 60 mm
- OI 16-4766-50 - Frame, folding, only, 300 x 300 mm

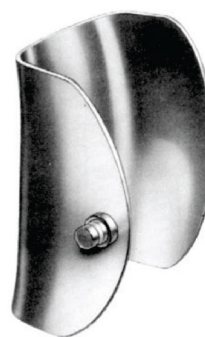
- OI 16-4767-30 - Franz, Abdominal Retractor, folding, - complete, consisting of:
- OI 16-4768-30 - 1 Frame folding, 300 x 300 mm
- OI 16-4769-30 - 2 Hook-on retractors, 50 x 65 mm
- OI 16-4770-30 - 2 ditto, 60 x 85 mm
- OI 16-4771-30 - 2 exchangeable blades 38 x 60 mm
- OI 16-4772-30 - 2 ditto, 45 x 80 mm

**Intestinal and bladder**



OI 16-4773-98  
 98 x 50 mm

OI 16-4774-35  
 105 x 35 mm

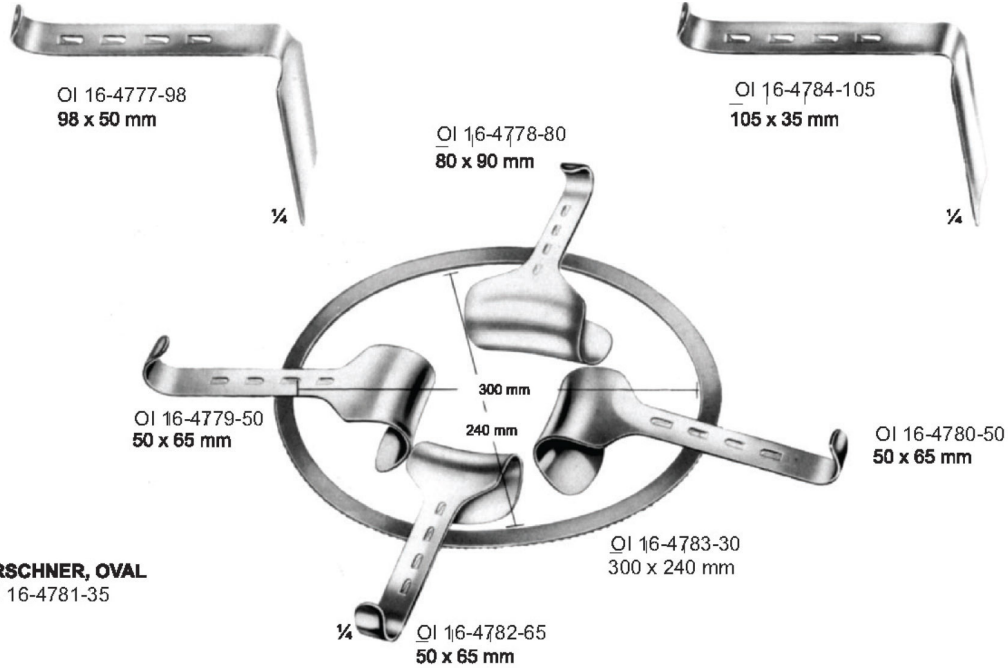


OI 16-4775-38  
 38 x 60 mm



OI 16-4776-45  
 45 x 80 mm

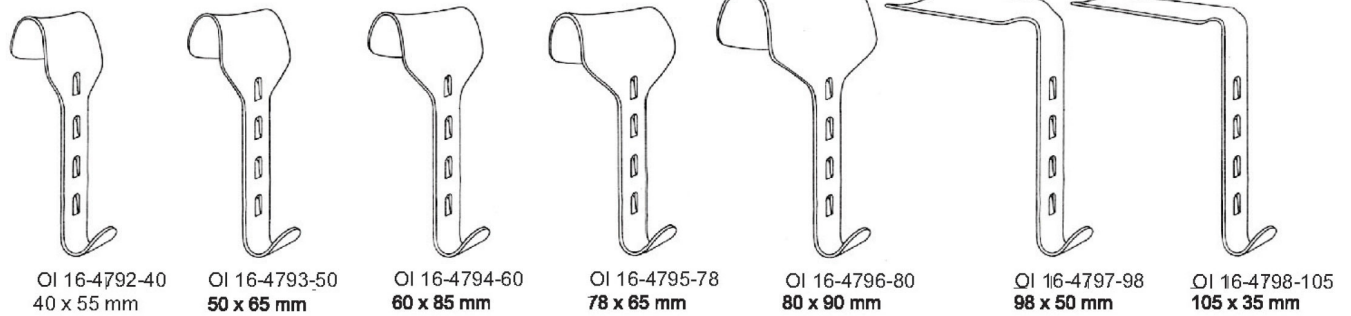




**KIRSCHNER, OVAL**  
OI 16-4781-35

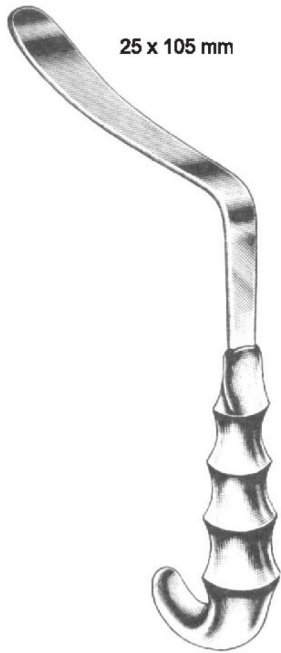
- OI 16-4785-50 - Kirschner, Abdominal Retractor, Oval, - complete, consisting of:
  - OI 16-4786-50 - 1 Frame, 300 x 240 mm
  - OI 16-4787-50 - 3 Hook-on retractors, 50 x 65 mm
  - OI 16-4788-50 - 1 ditto, 80 x 90 mm
  - OI 16-4789-50 - 1 ditto, 98 x 50 mm
  - OI 16-4790-50 - 1 ditto, 105 x 35 mm
  - OI 16-4791-50 - Frame only, 300 x 240 mm
- Hook-on retractors see bottom of page

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



**Intestinal and bladder**

Measurements of retractors: Depth x Width



25 x 105 mm

**LEGUEU**  
 OI 16-4799-25  
 25 cm/9 7/8"



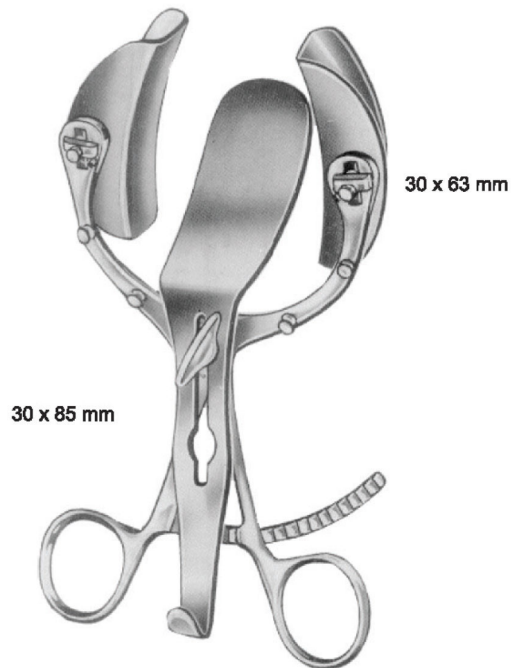
67 x 105 mm

**KOCHER**  
 OI 16-4800-26  
 26 cm/10 1/4"



56 x 105 mm

**KOCHER**  
 OI 16-4801-26  
 26 cm/10 1/4"

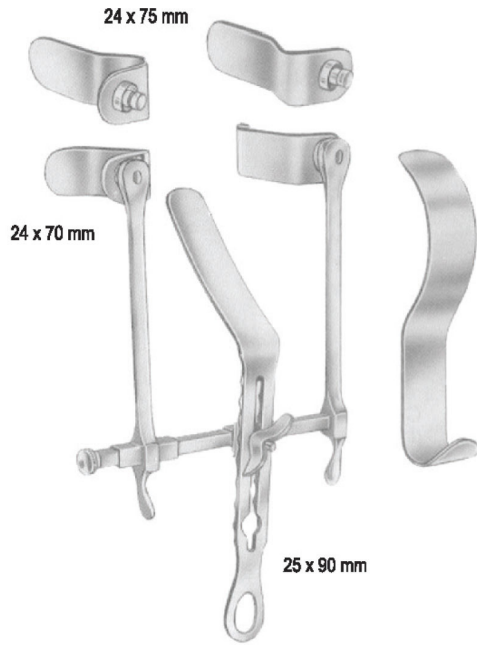


30 x 85 mm

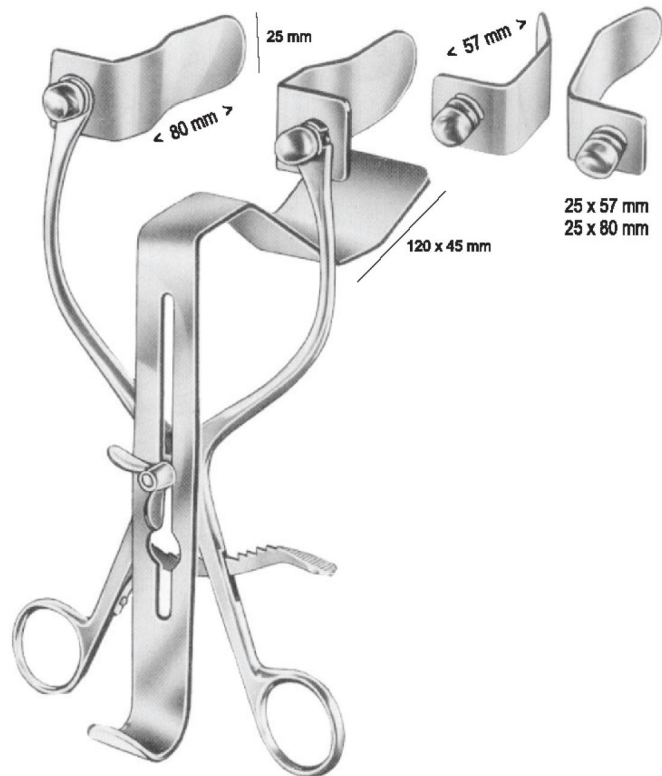
30 x 63 mm

**LEGUEU**  
 OI 16-4802-30





**THOMSON-WALKER**  
OI 16-4803-25



**MILLIN**  
OI 16-4804-25

Measurements of retractors: Depth x Width