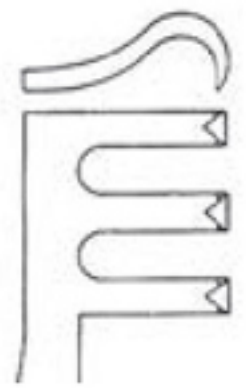


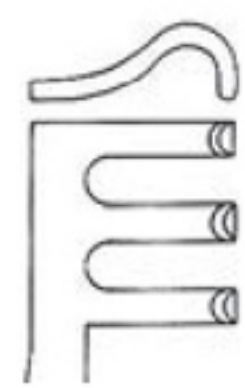
Retractors (Wound Spreaders, self-retaining)

Sharp



GR.700.05
5 cm/2"

Blunt

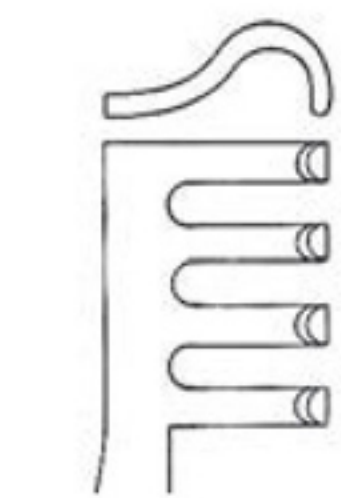


GR.701.05
5 cm/2"

◀16 mm▶

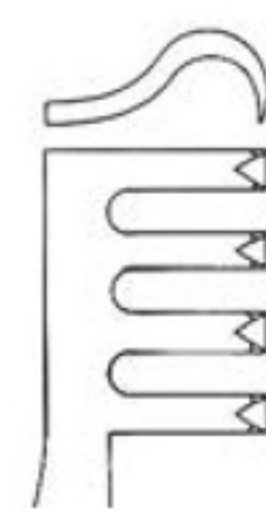


FINSEN



GR.703.07
7 cm/2¾"

Sharp



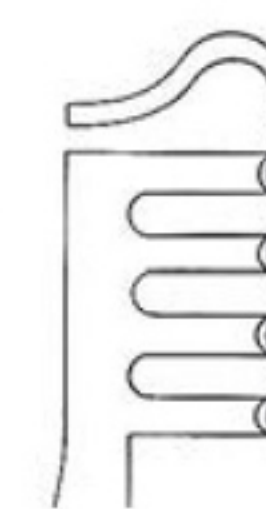
GR.704.07

◀30 mm▶



FINSEN
7 cm/2¾"

Blunt

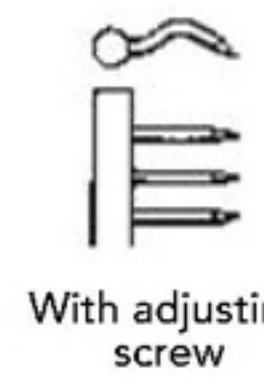


GR.705.07

3:3
Sharp



LOGAN
GR.708.04
4 cm/1¾"



With adjusting
screw

Sharp
55 mm



GR.714.07
7 cm/2¾"

Blunt
55 mm



GR.715.07
7 cm/2¾"

3:3
Sharp



BUCKLEY
GR.710.06
6 cm/2¼"

◀25 mm▶

Sharp
70 mm



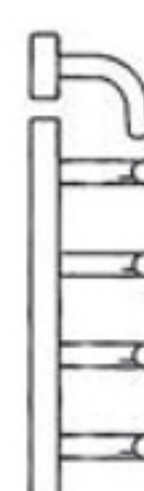
GR.714.10
10 cm/4"

4:4



ALM

Blunt
70 mm



GR.715.10
10 cm/4"

4:4
Blunt



KAUPP
GR.717.10
10 cm/4"

With adjusting
screw

Sharp



GR.723.10

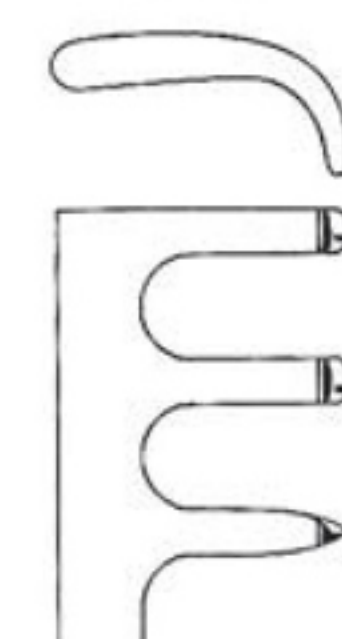
3:3



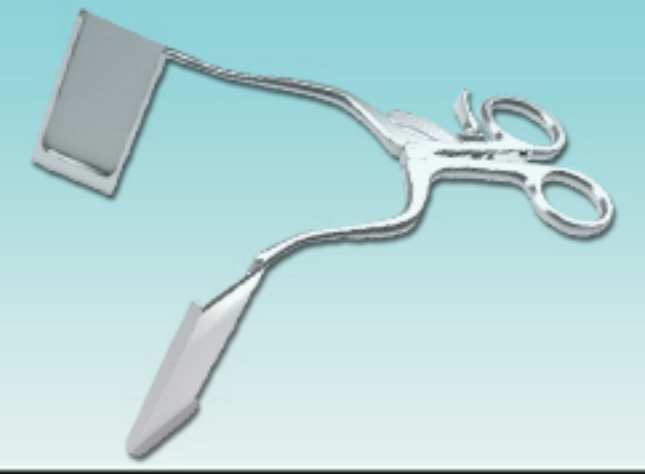
JANSEN
10 cm/4"

◀47 mm▶

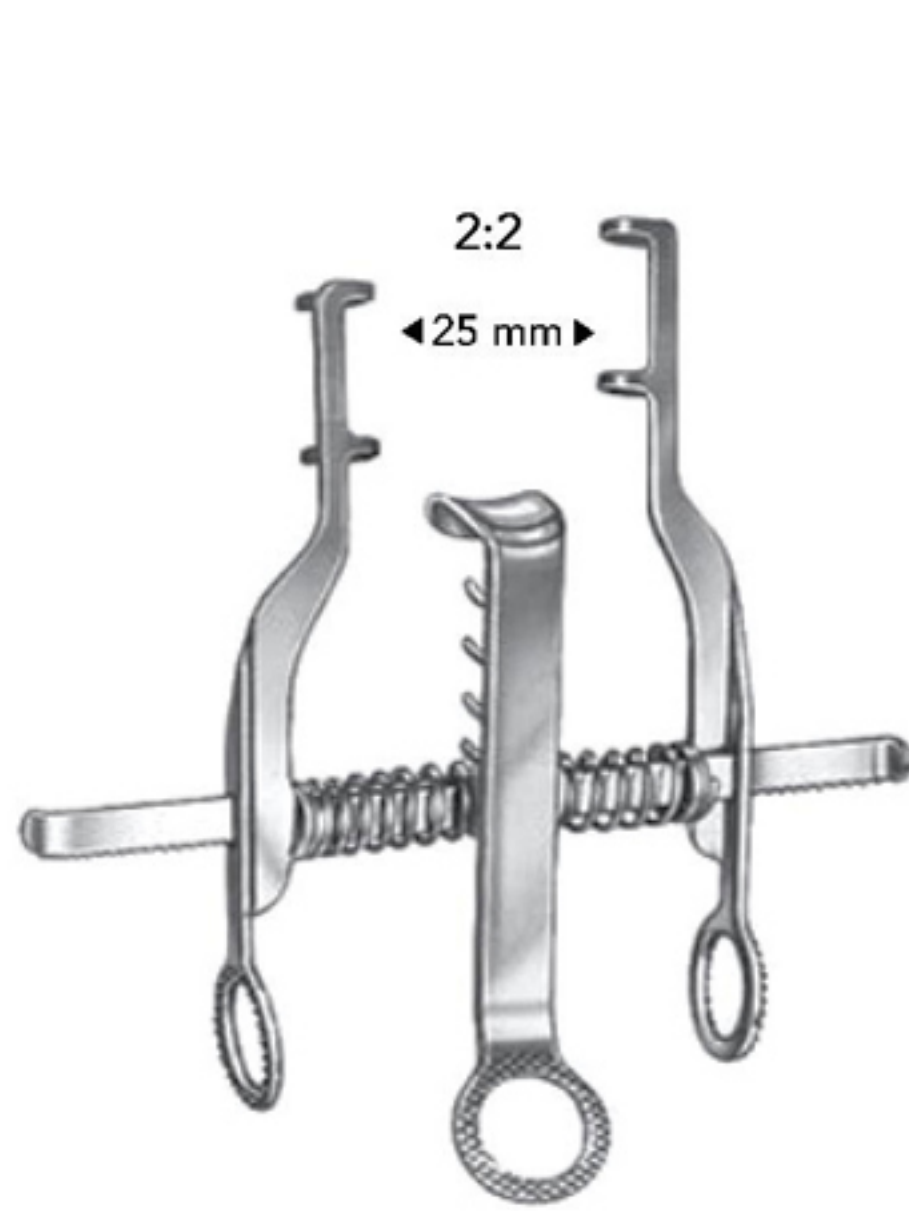
Blunt



GR.723.20

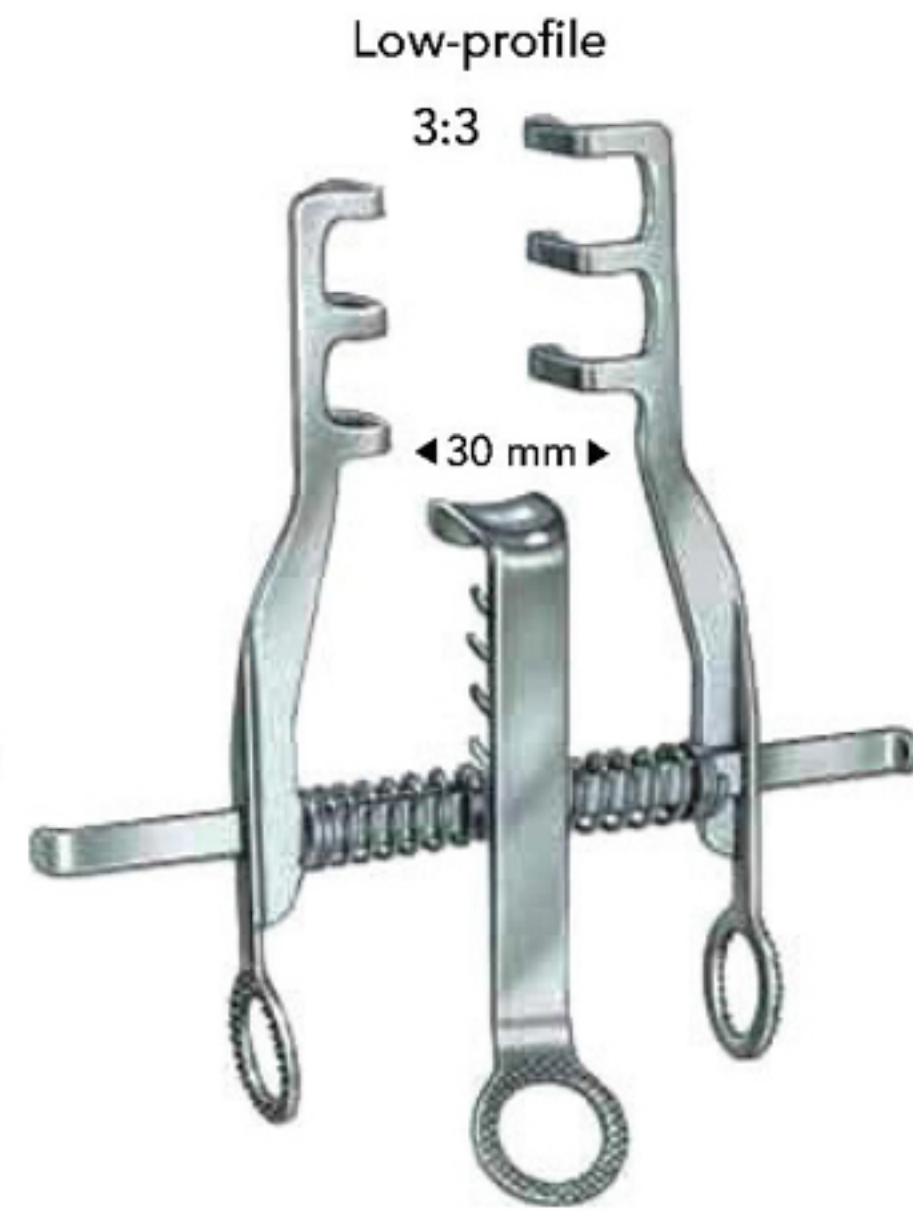


Retractors (Wound Spreaders, self-retaining)



VICKERS
GR792.00
6 cm/2½"

Complete, with
central blade
10 x 18 mm



VICKERS
GR793.00
9 cm/3½"

Complete, with
central blade
10 x 18 mm



VICKERS
GR794.00
7.5 cm/3"

Complete, with
central blade
10 x 18 mm

GR794.90
Spring

GR792.01
10 x 18 mm

GR792.02
10 x 12 mm

Central blades



Blunt, ring modell,
for thumb & fingers

VICKERS
GR798.01
5 cm/3"

Thyroid and vaginal retractor



JOLL
GR801.00
15.5 cm/6¼"



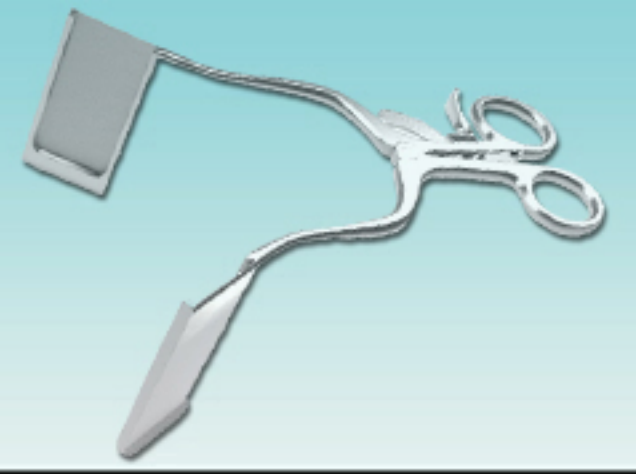
GELPI
GR802.13
13 cm/5¼"



GELPI
GR802.18
18 cm/7"



GELPI
GR804.18
18.5 cm/7¼"



Retractors (Wound Spreaders, self-retaining)



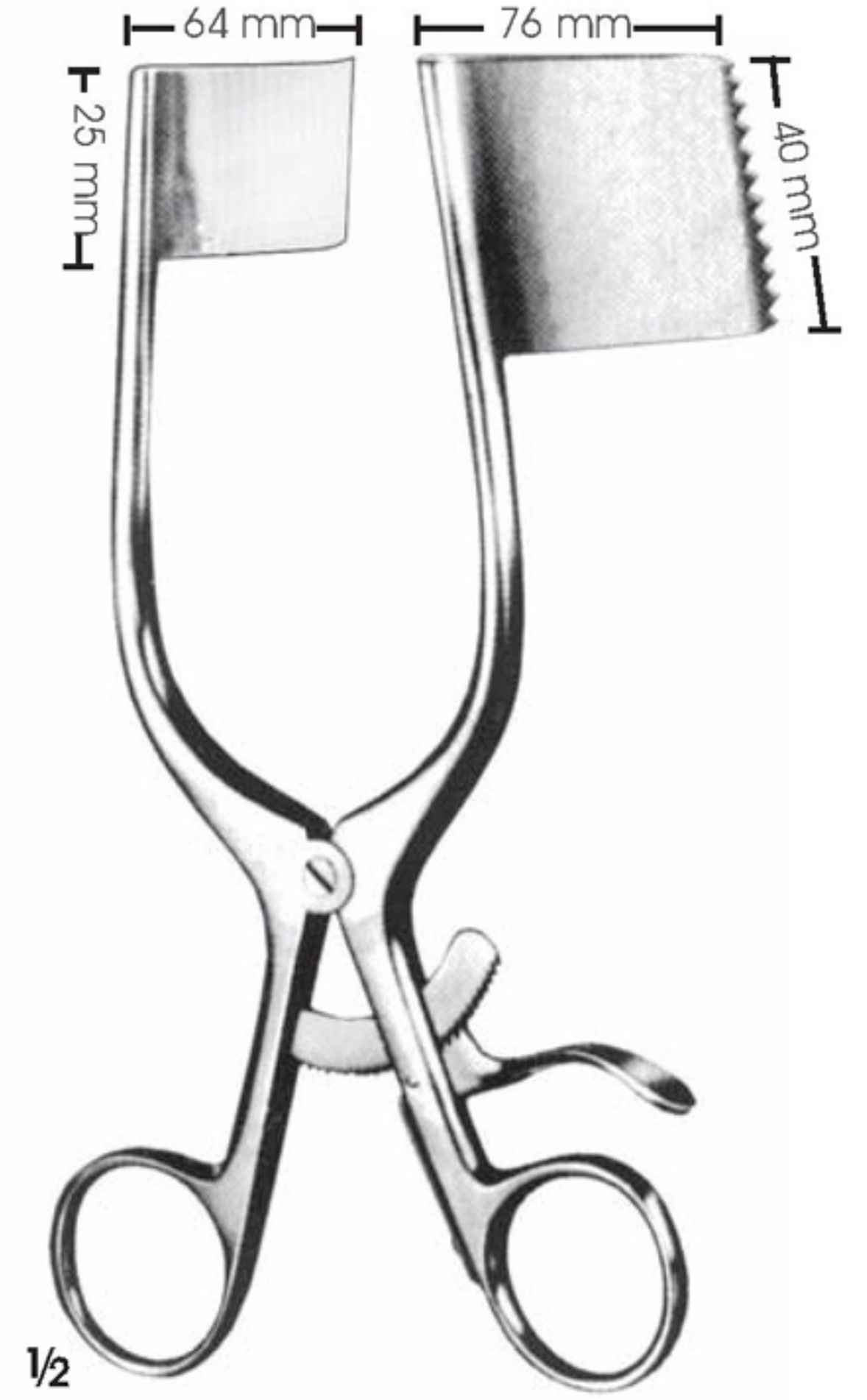
MEYERDING

Sağ bleyd/Right blade
18 cm



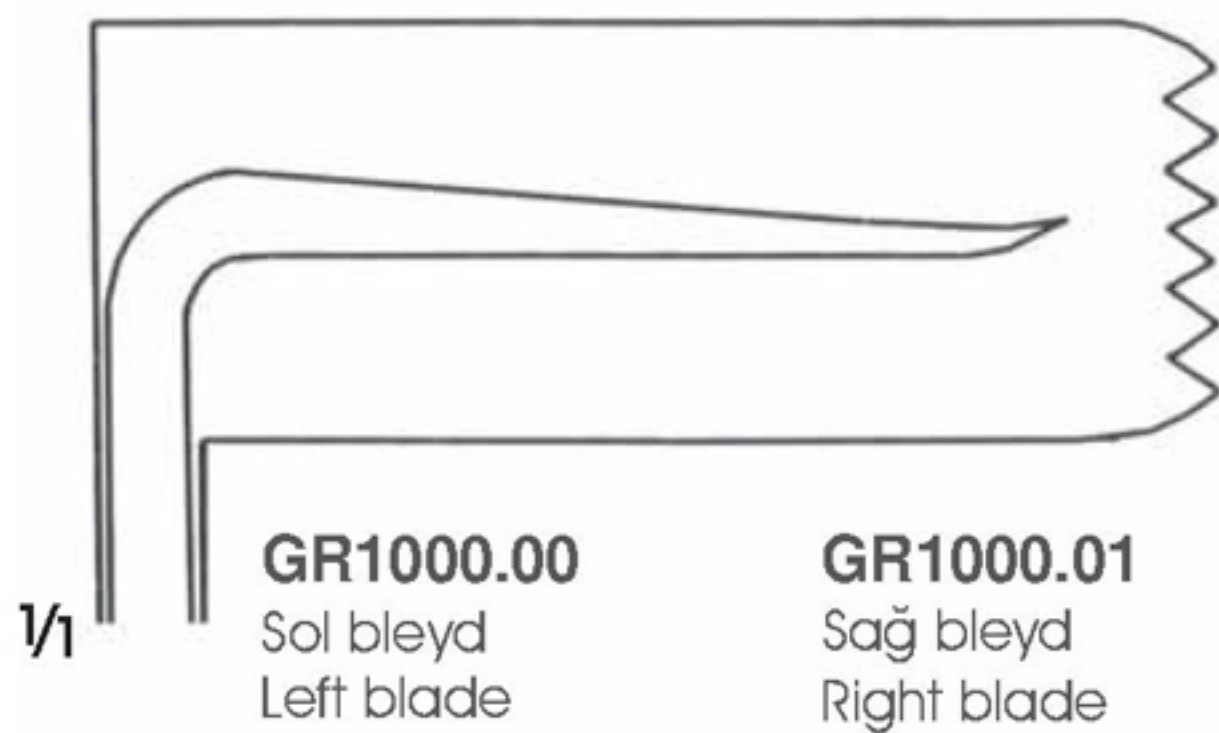
MEYERDING

Sol bleyd/Left blade
18 cm



1/2

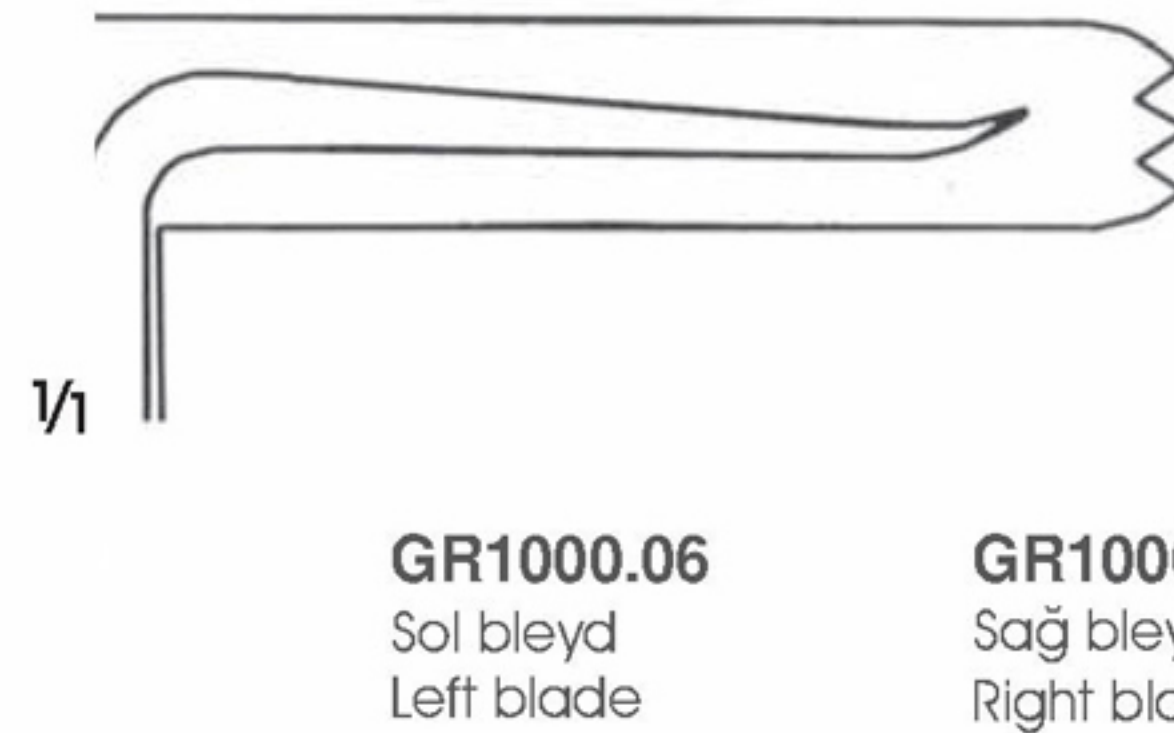
DARLING
GR1000.43 RIGHT
GR1000.44 LEFT
18 cm



1/1

GR1000.00
Sol bleyd
Left blade

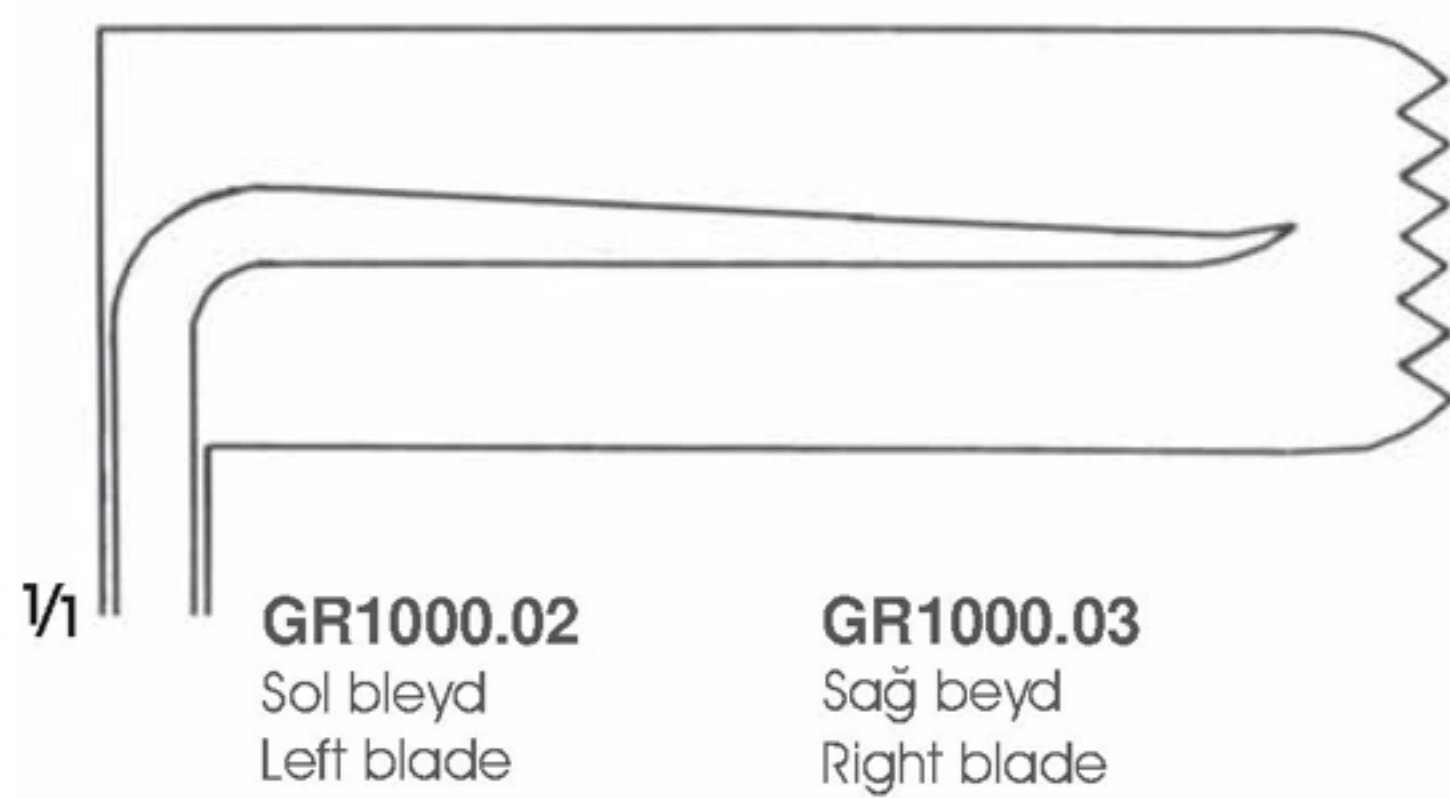
GR1000.01
Sağ bleyd
Right blade



1/1

GR1000.06
Sol bleyd
Left blade

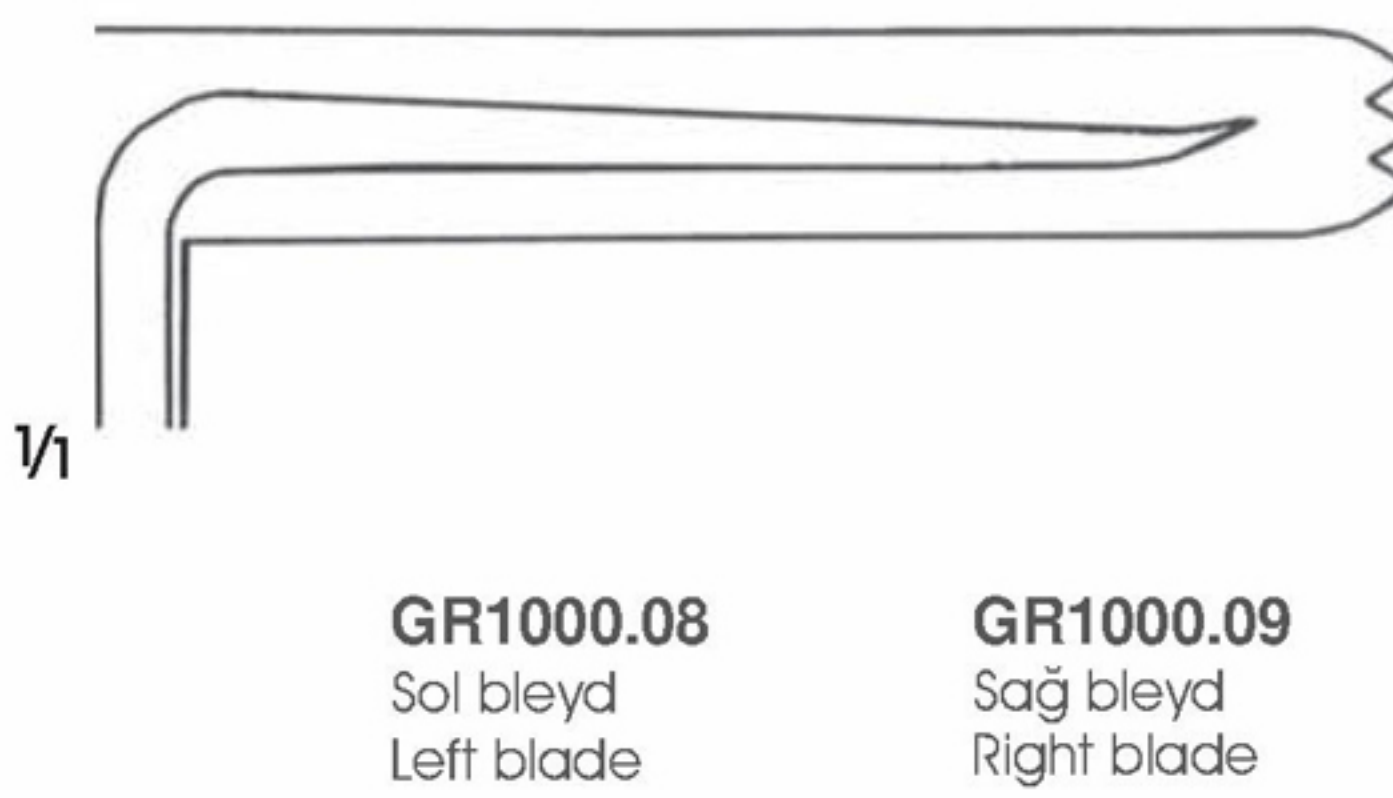
GR1000.07
Sağ bleyd
Right blade



1/1

GR1000.02
Sol bleyd
Left blade

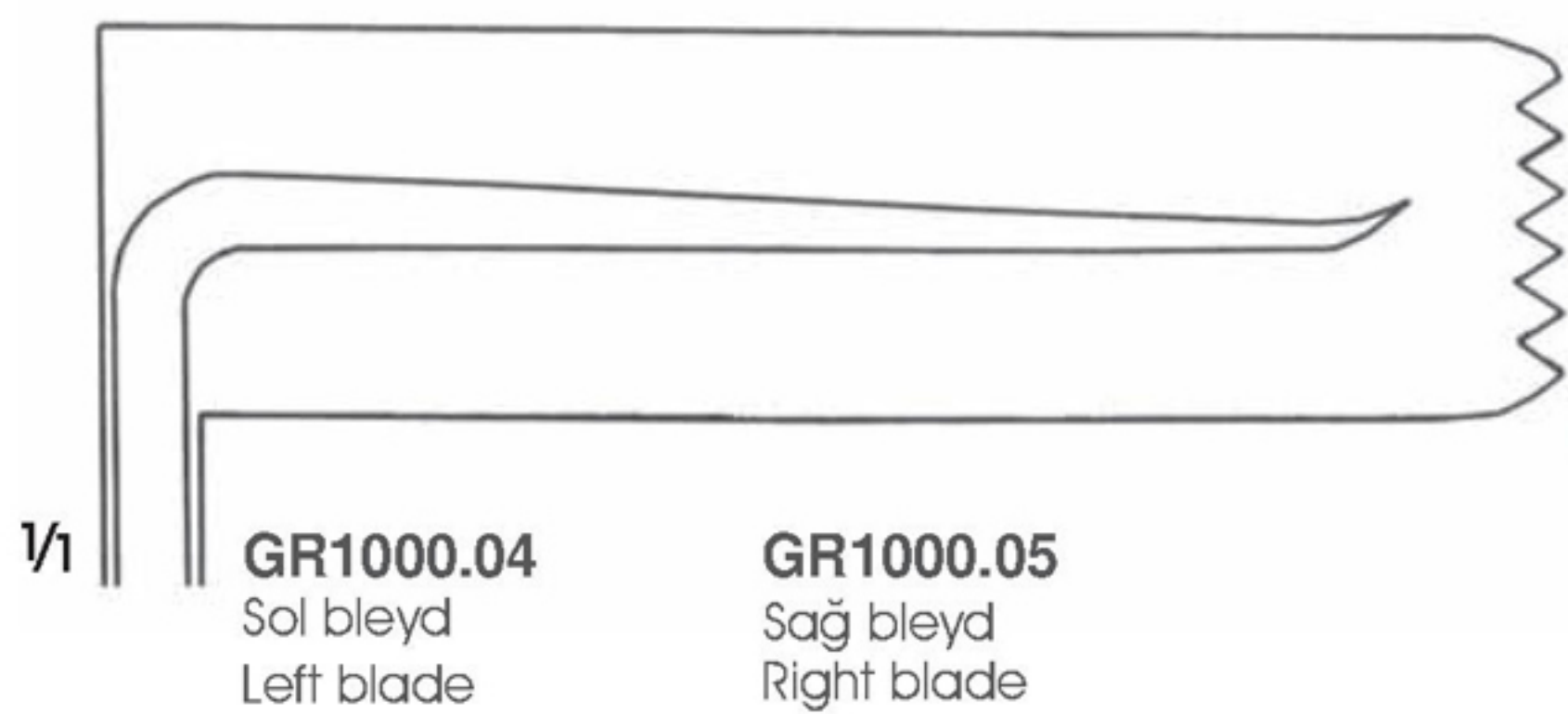
GR1000.03
Sağ bleyd
Right blade



1/1

GR1000.08
Sol bleyd
Left blade

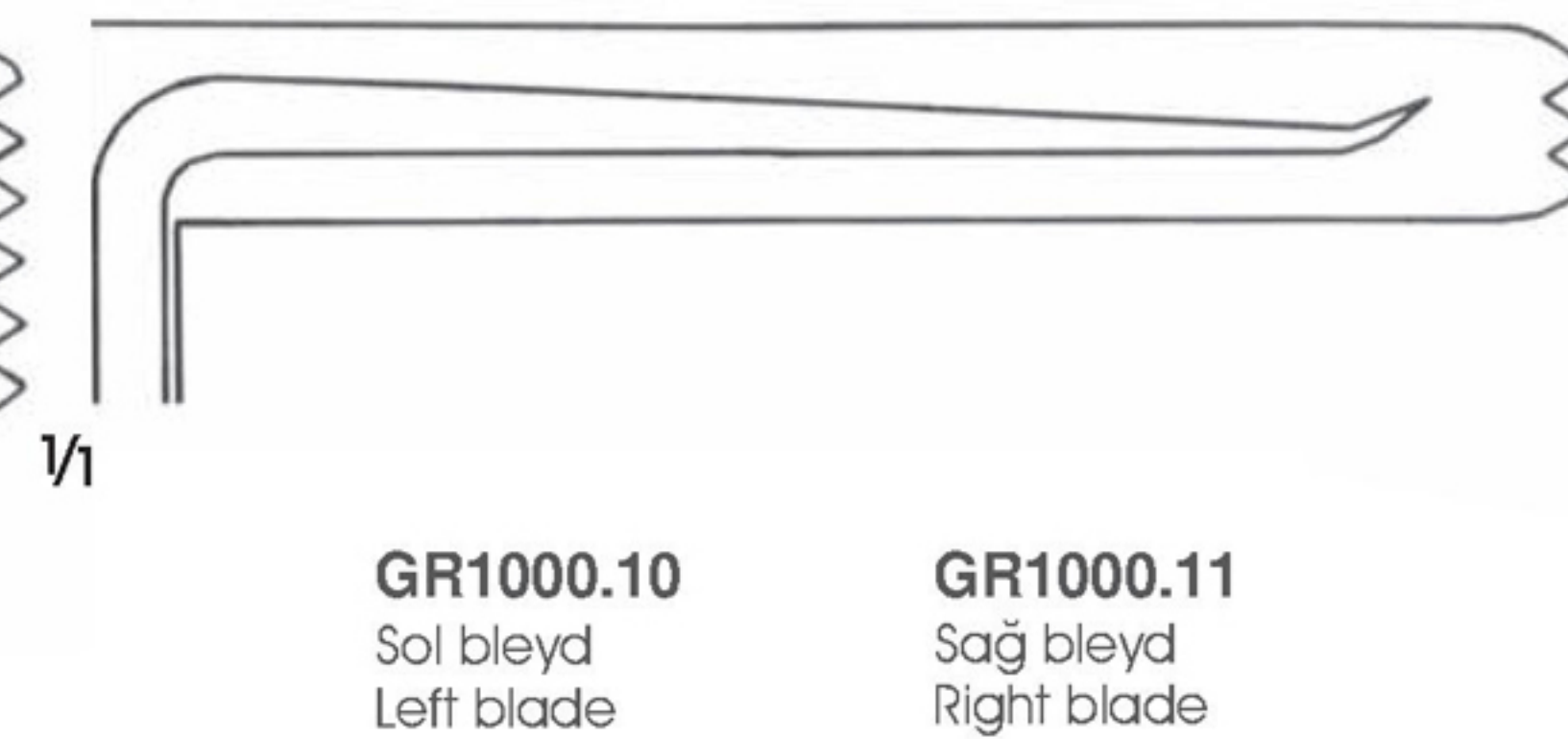
GR1000.09
Sağ bleyd
Right blade



1/1

GR1000.04
Sol bleyd
Left blade

GR1000.05
Sağ bleyd
Right blade



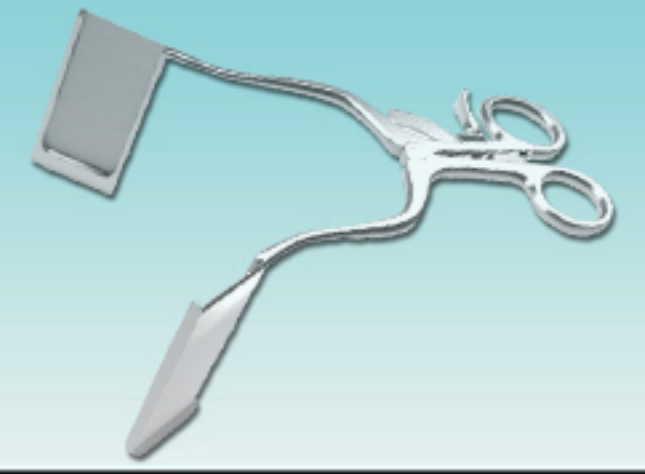
1/1

GR1000.10
Sol bleyd
Left blade

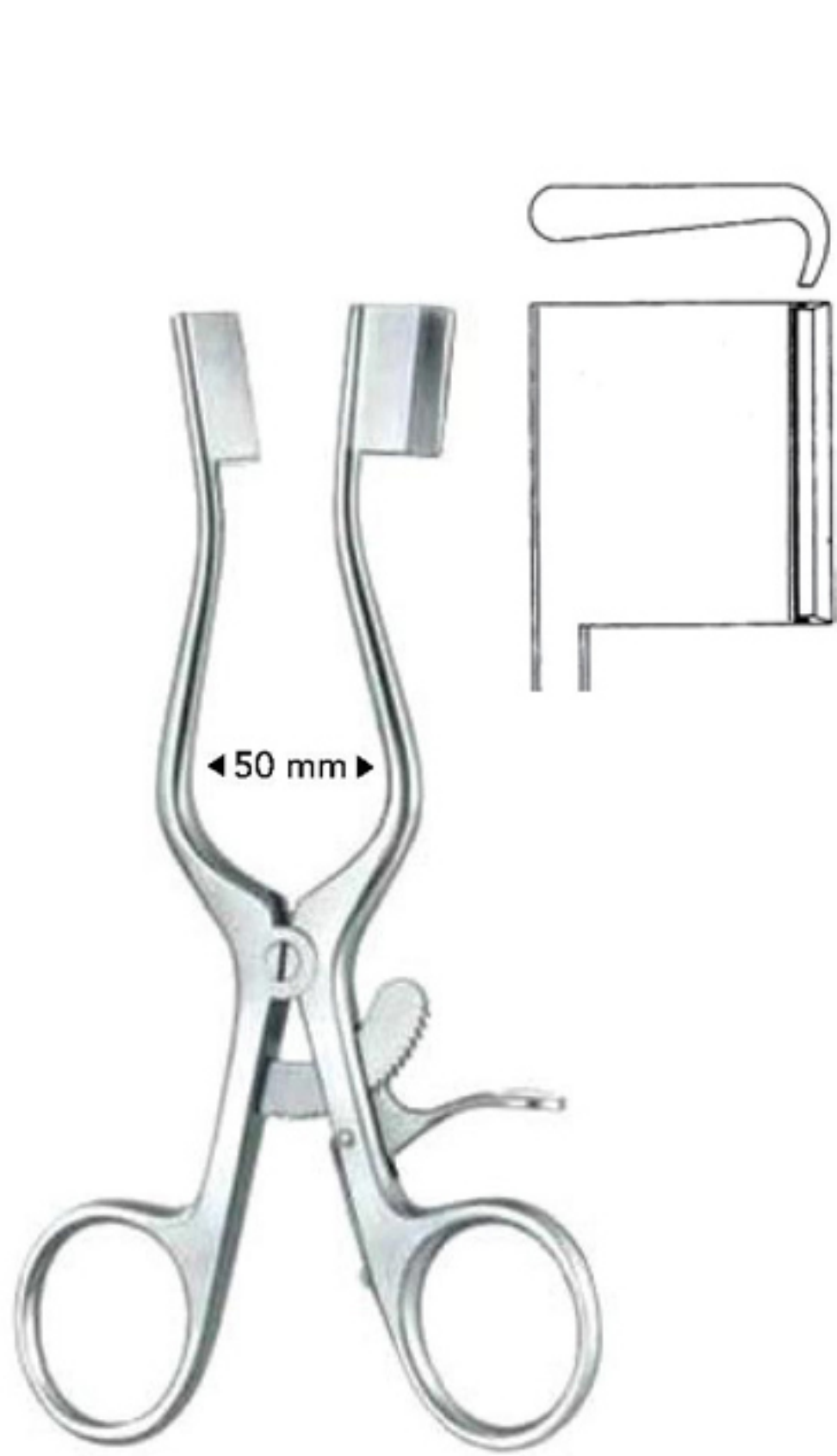
GR1000.11
Sağ bleyd
Right blade



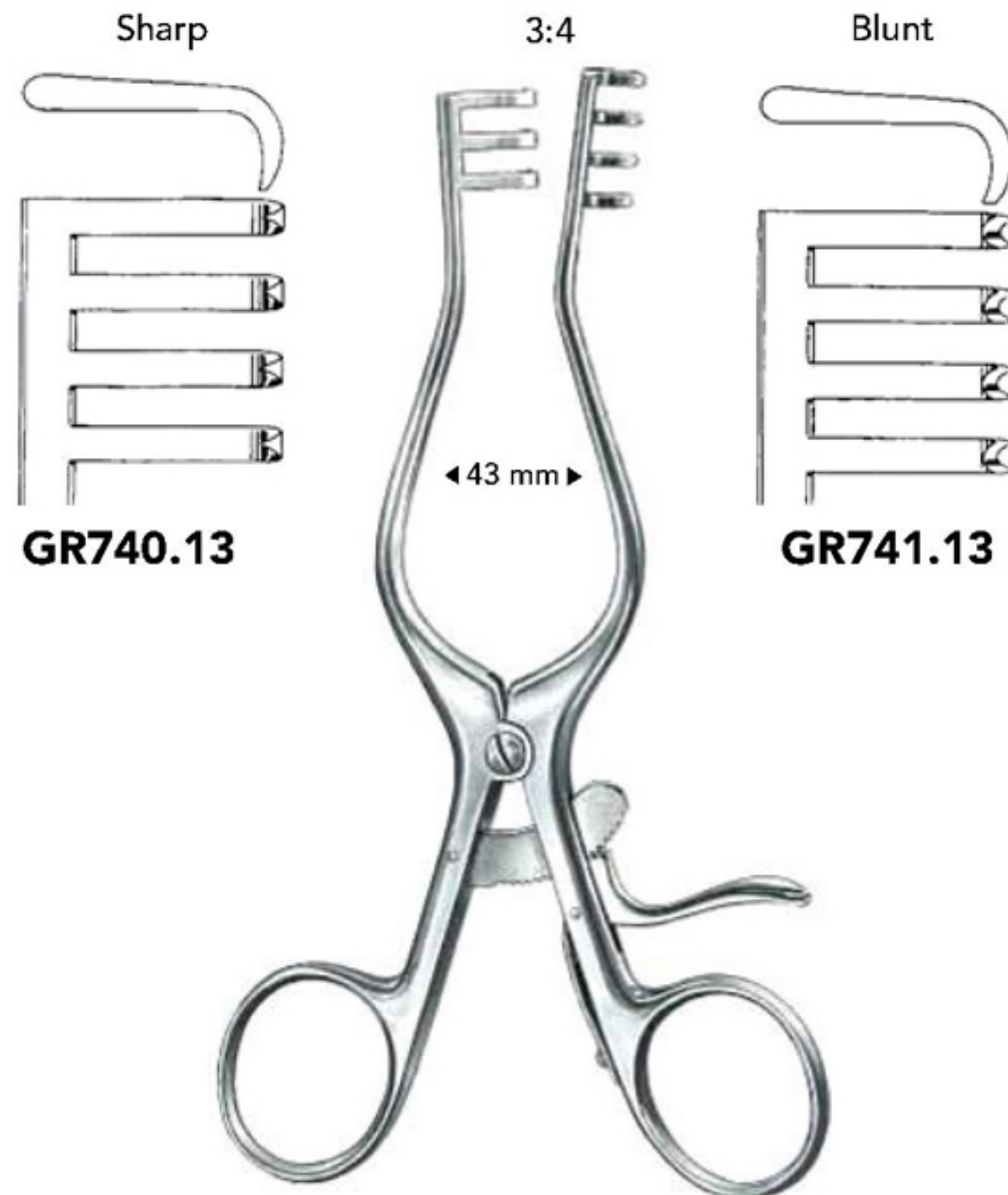
MEYERDING
GR1000.12
18 cm



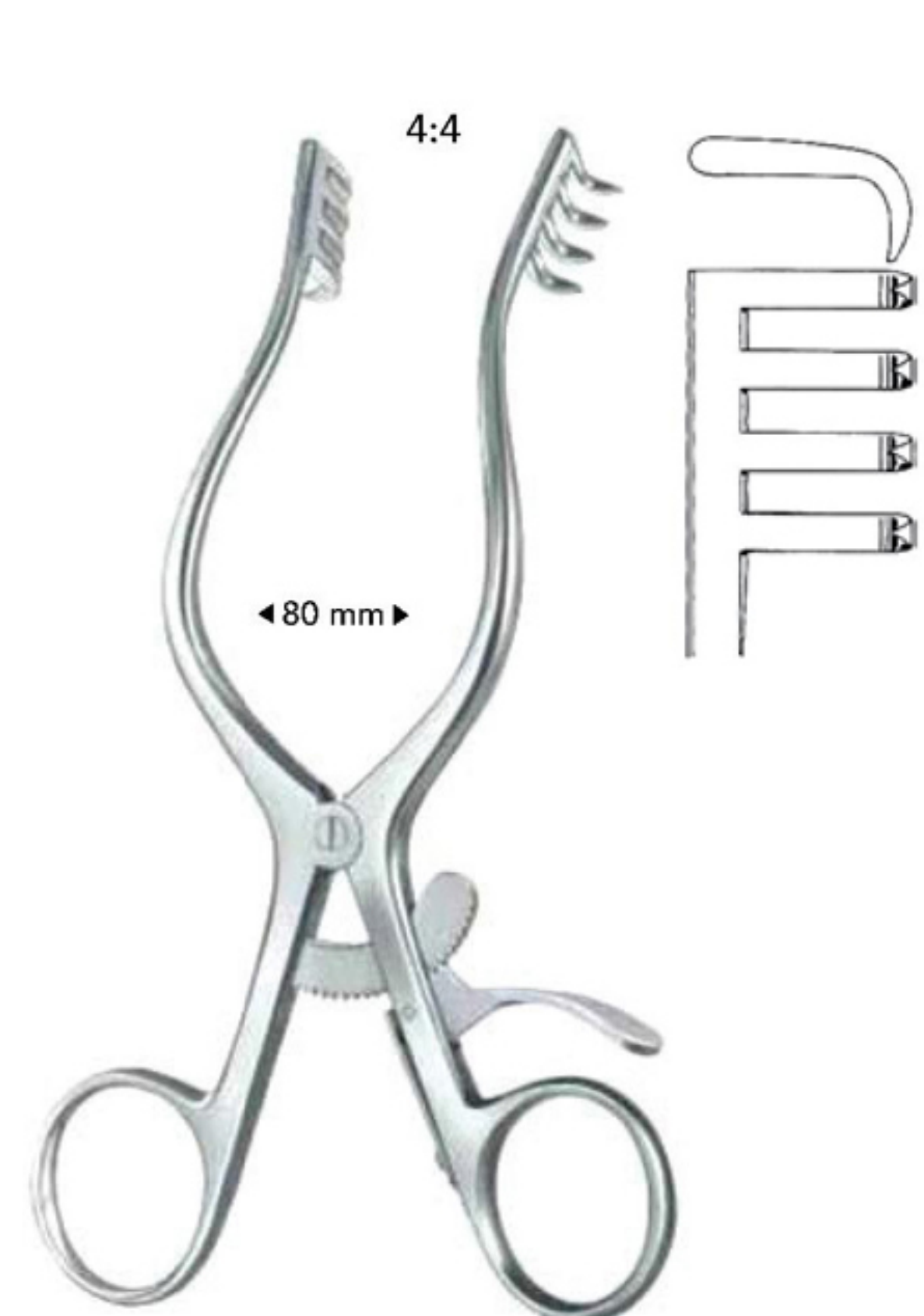
Retractors (Wound Spreaders, self-retaining)



WEITLANER-BABY
GR767.13
13.5 cm/5¼"



13 cm/5"



MOLLISON
GR754.15
15.5 cm/6"



WILLIAMS
17 cm/6¾"

	Right blade full	Left blade full
50 x 10 mm	GR761.05	GR762.05
60 x 10 mm	GR761.06	GR762.06
70 x 10 mm	GR761.07	GR762.07

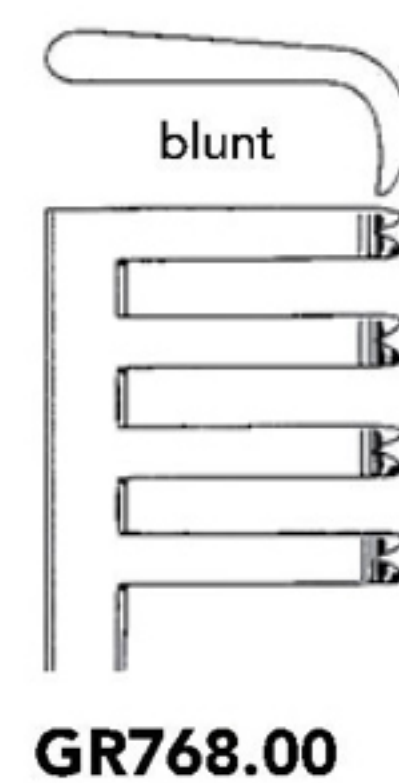


HENLEY
16.5 cm/6½"

Complete with 3 central blades



GR769.00

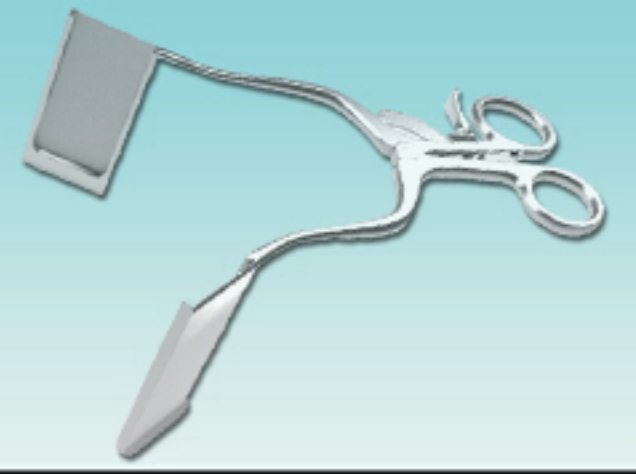


GR768.00



Spare central Blades for HENLEY

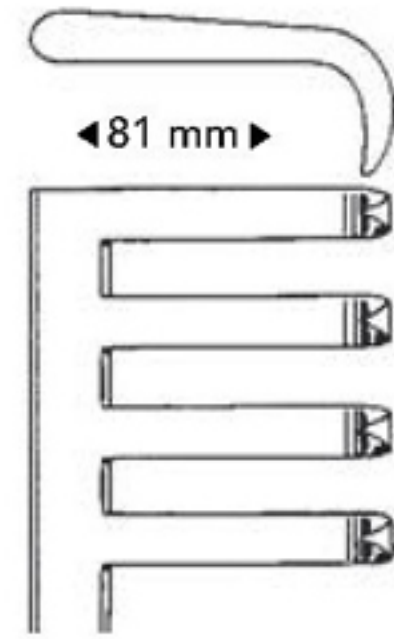
18 x 17 mm	GR768.19
25 x 17 mm	GR768.25
32 x 17 mm	GR768.32



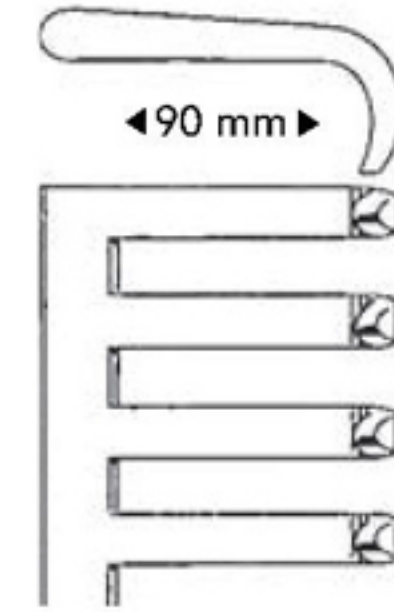
Retractors (Wound Spreaders, self-retaining)



ADSON

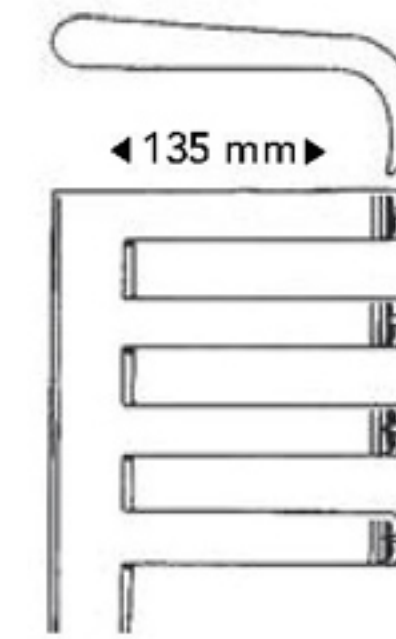


GR770.13
14 cm/5½"

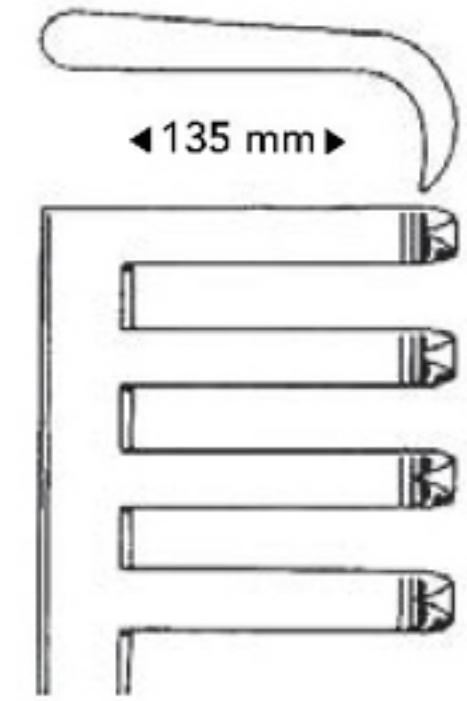


GR770.16
16 cm/6¼"

Sharp

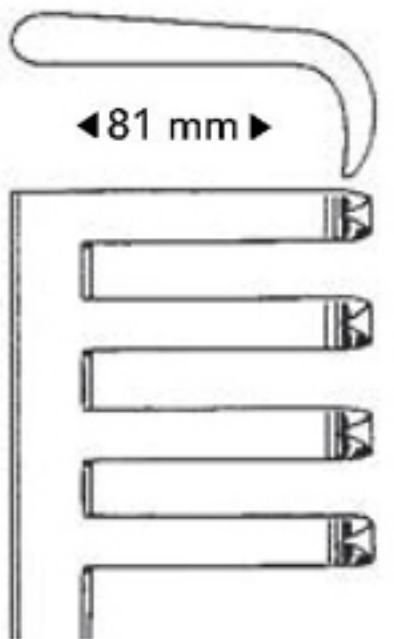


GR770.20
21 cm/8¼"

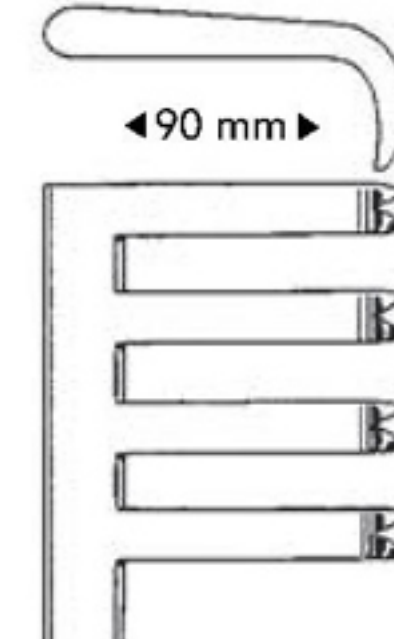


GR770.26
24.5 cm/9¾"

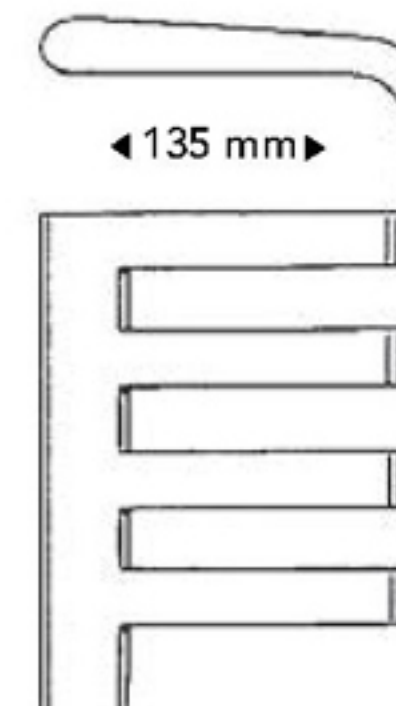
Blunt



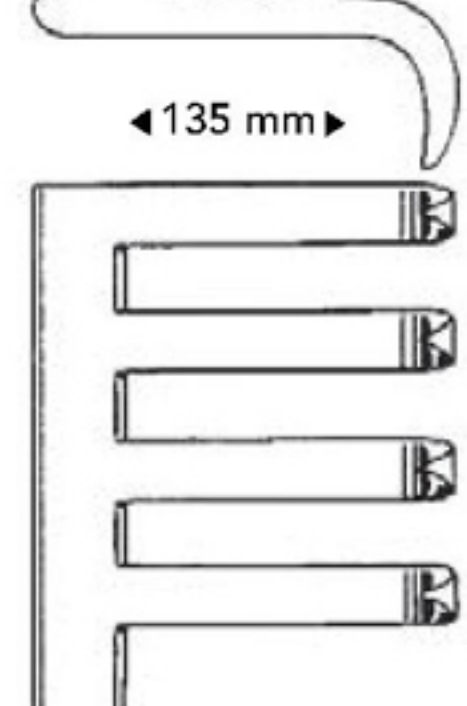
GR771.13
14 cm/5½"



GR771.16
16 cm/6¼"

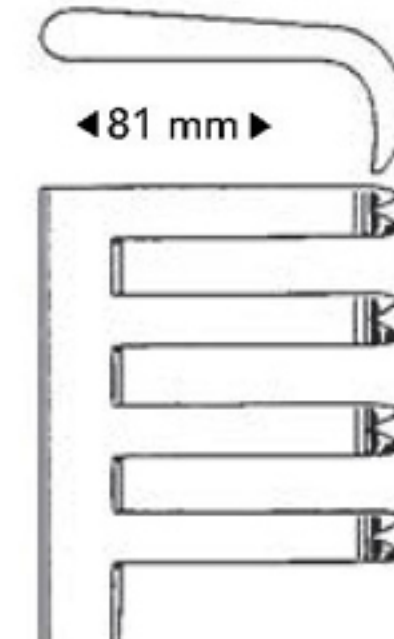


GR771.20
21 cm/8¼"

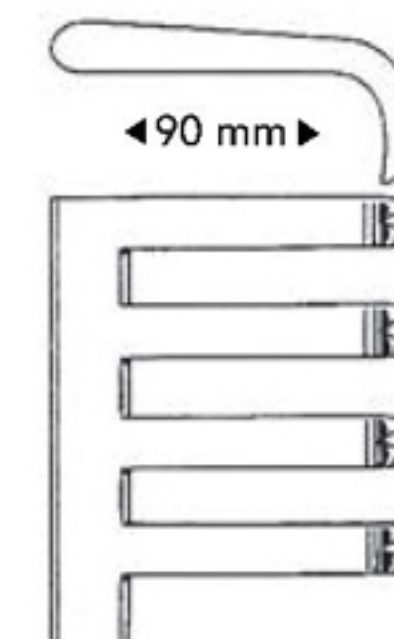


GR771.26
24.5 cm/9¾"

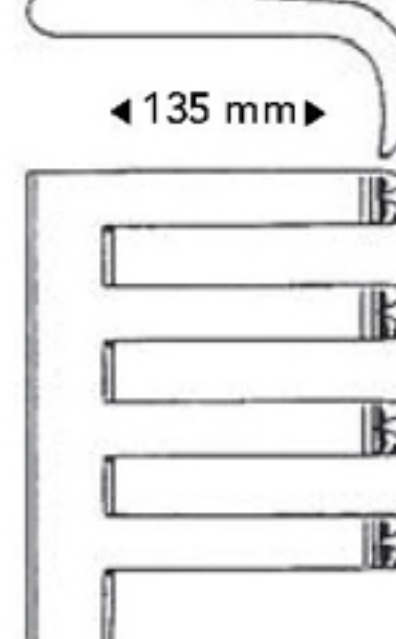
Semi-sharp



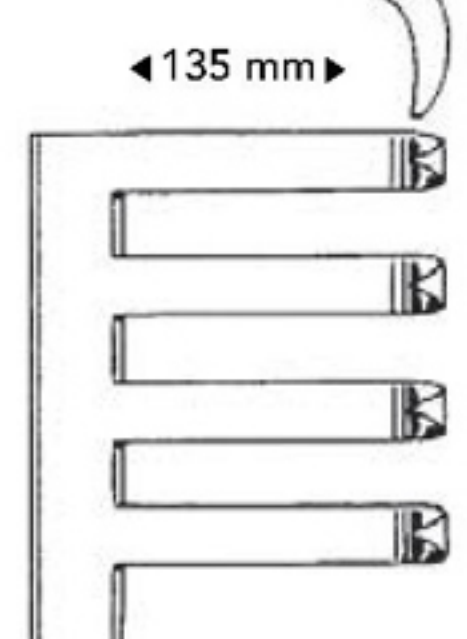
GR772.13
14 cm/5½"



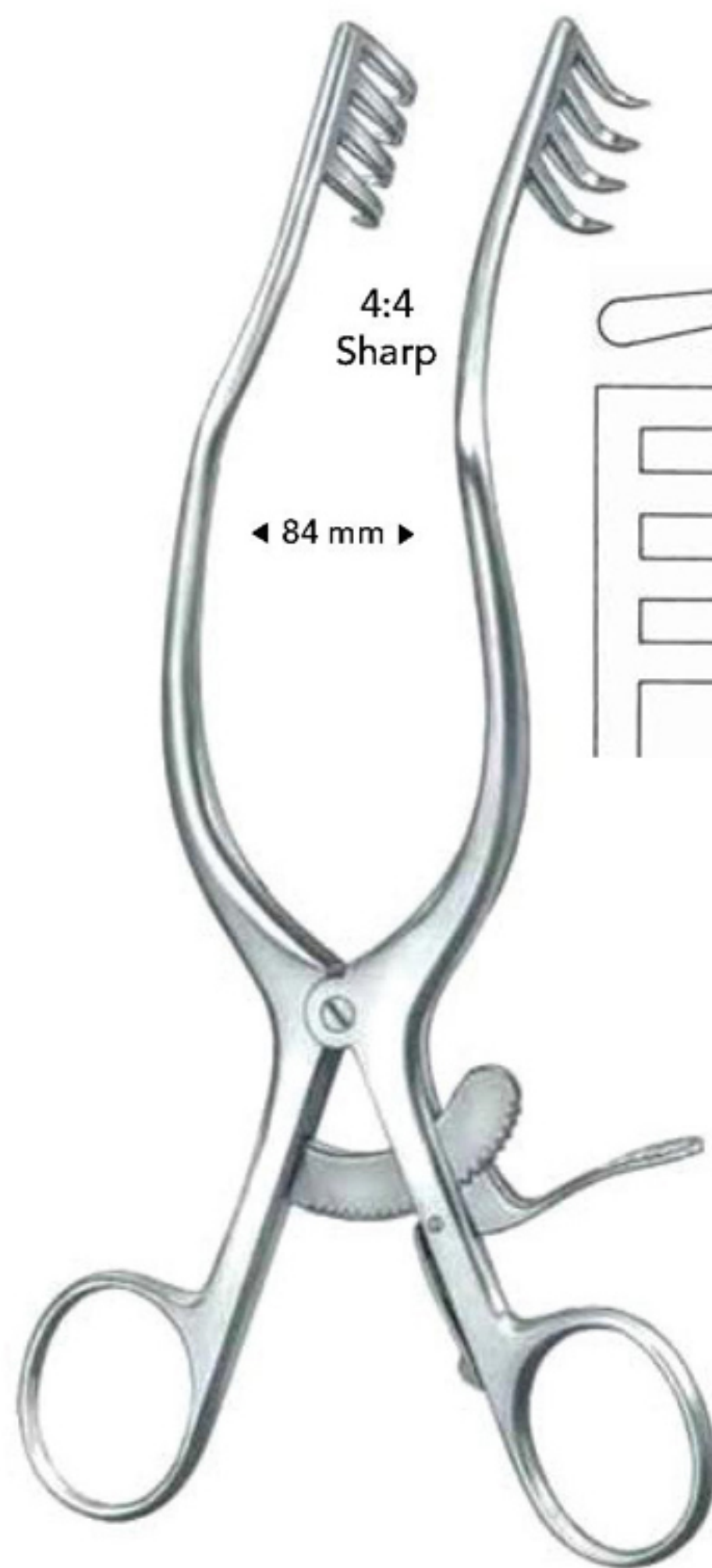
GR772.16
16 cm/6¼"



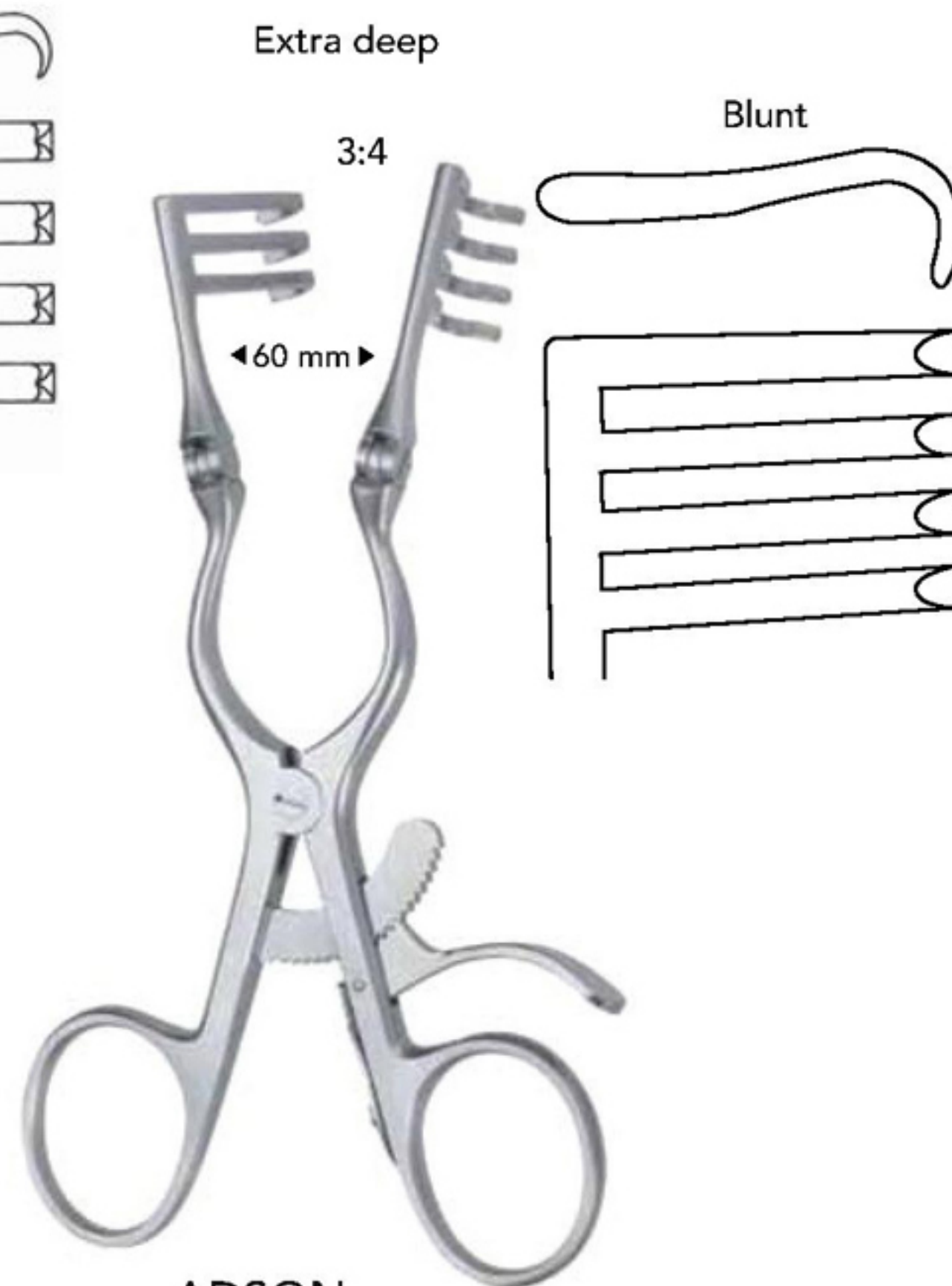
GR772.20
21 cm/8¼"



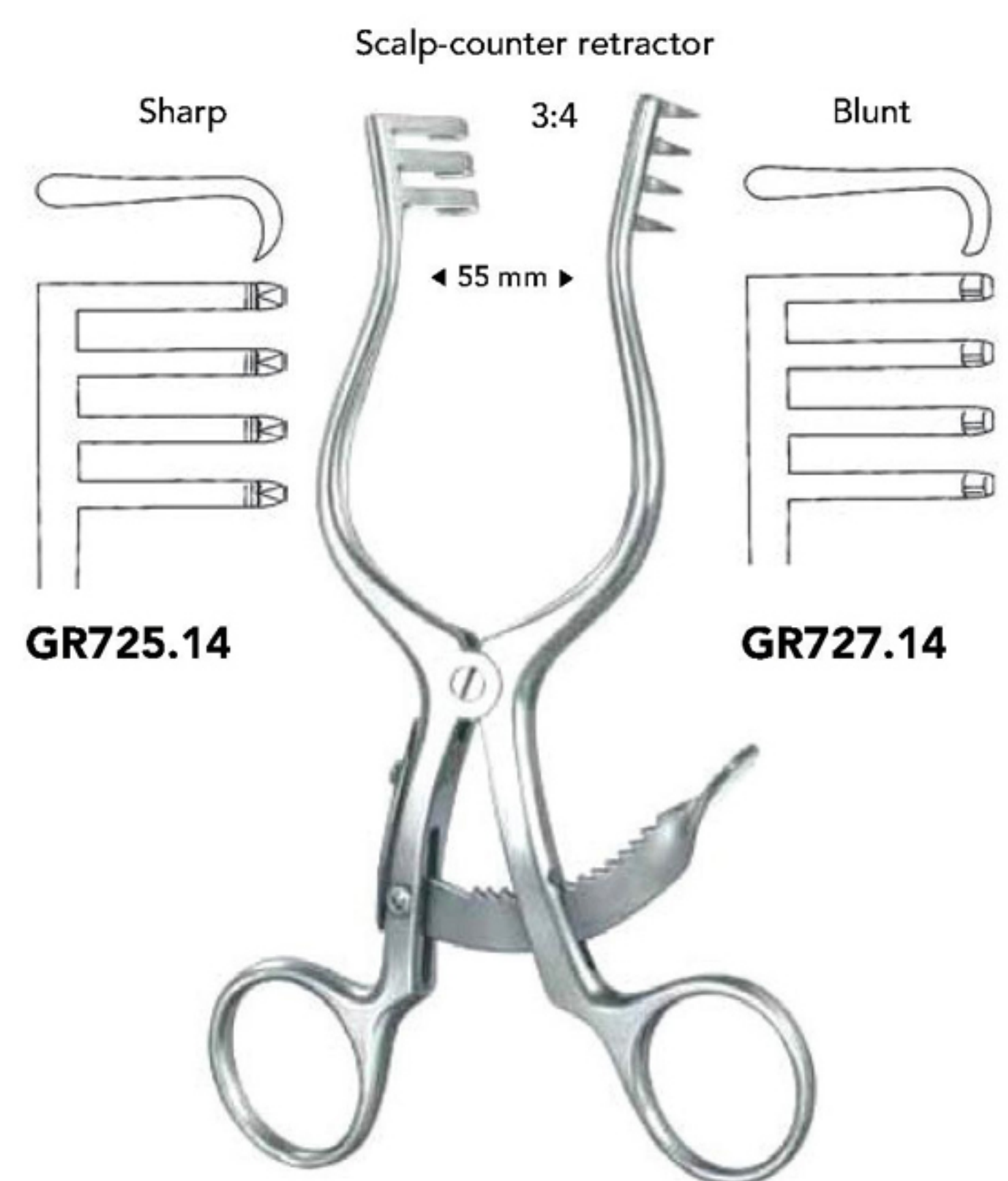
GR772.26
24.5 cm/9¾"



ANDERSON-ADSON
GR732.20
19 cm/7½"



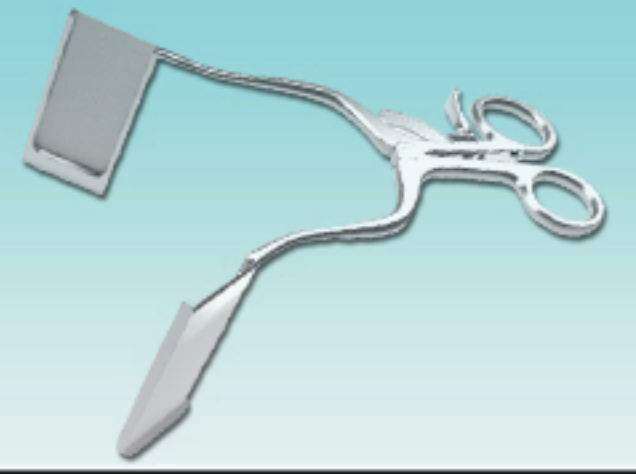
ADSON
GR773.13
14 cm/5½"



GR725.14

GR727.14

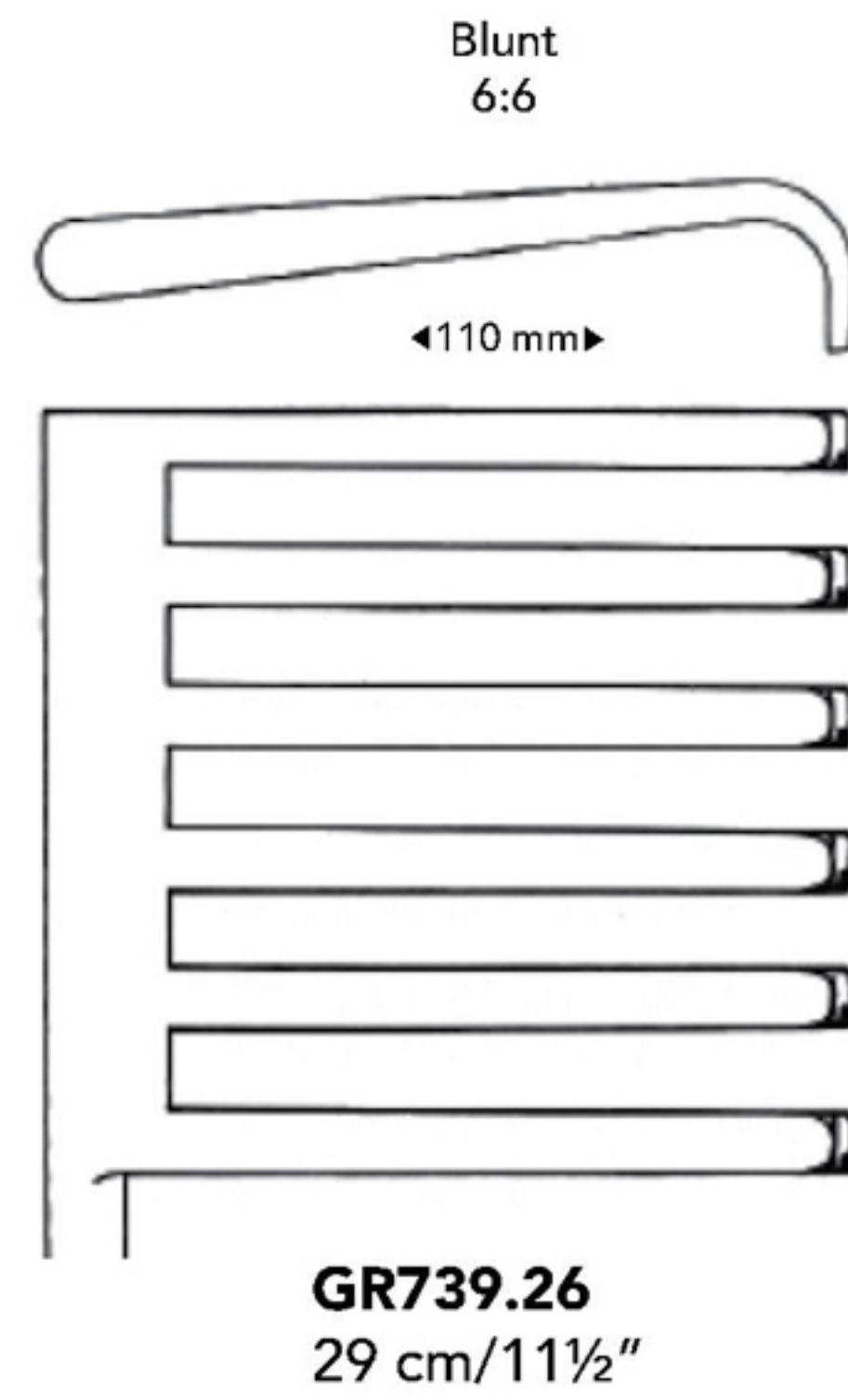
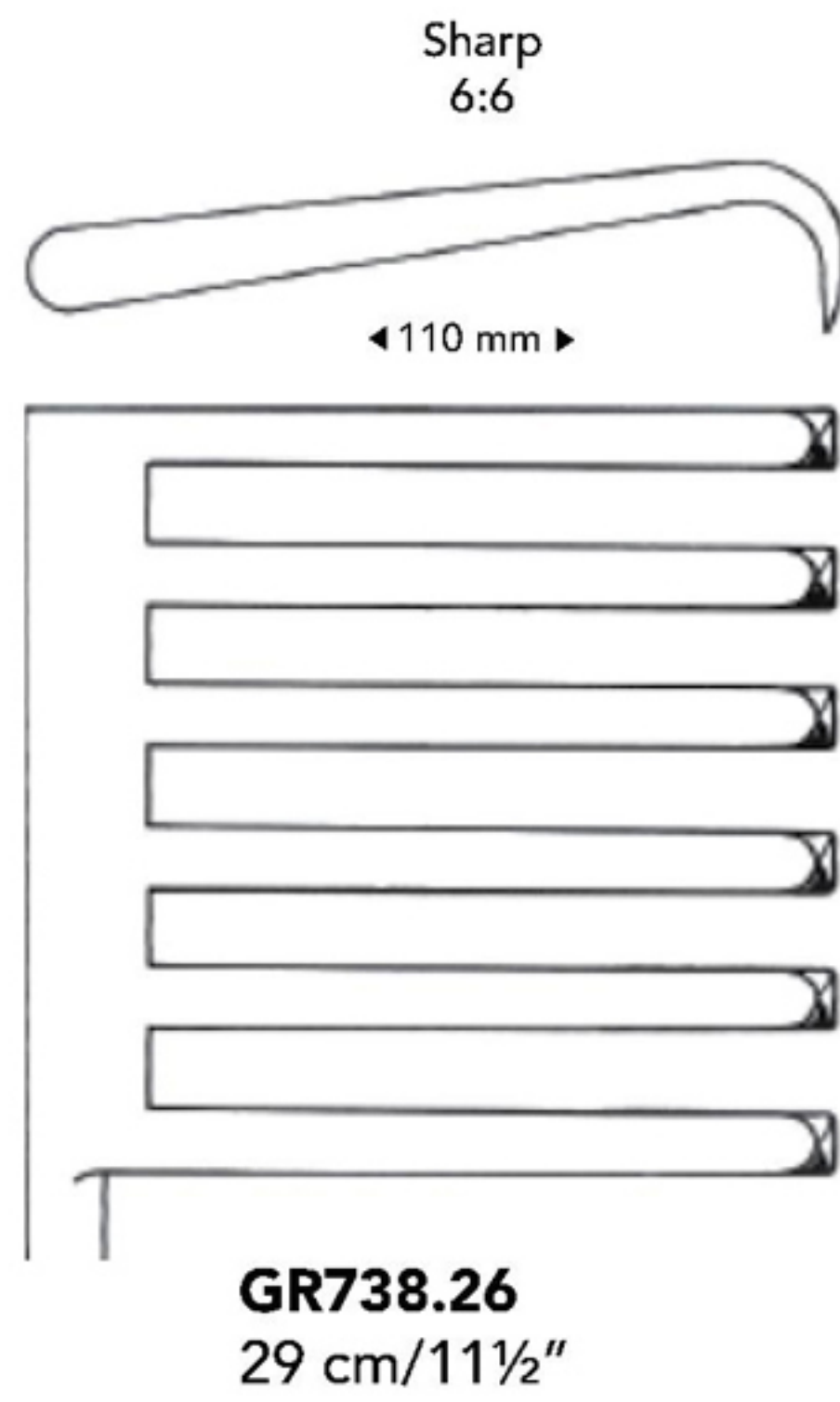
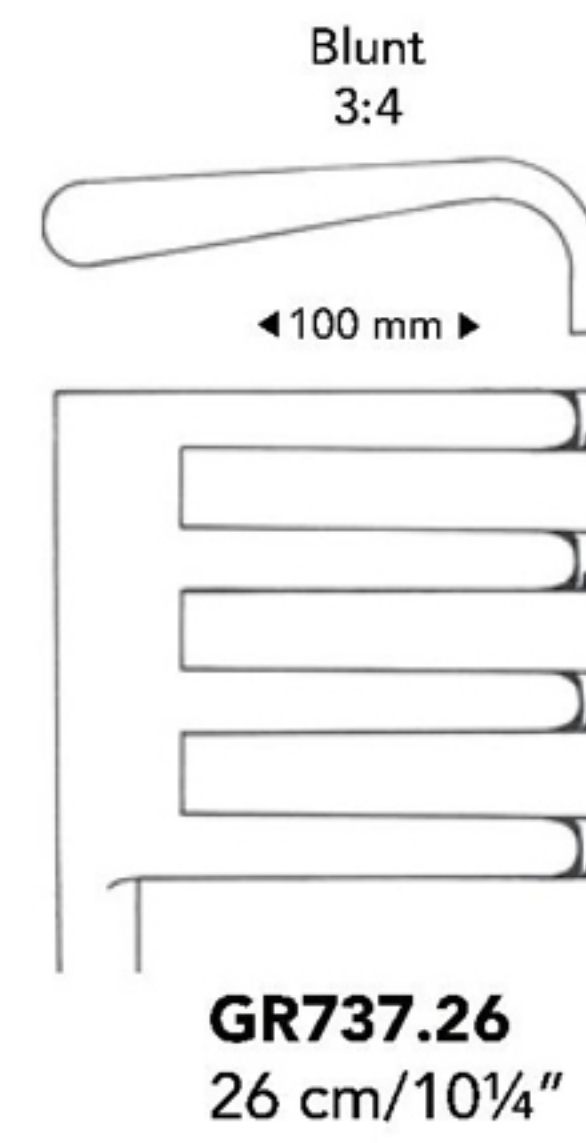
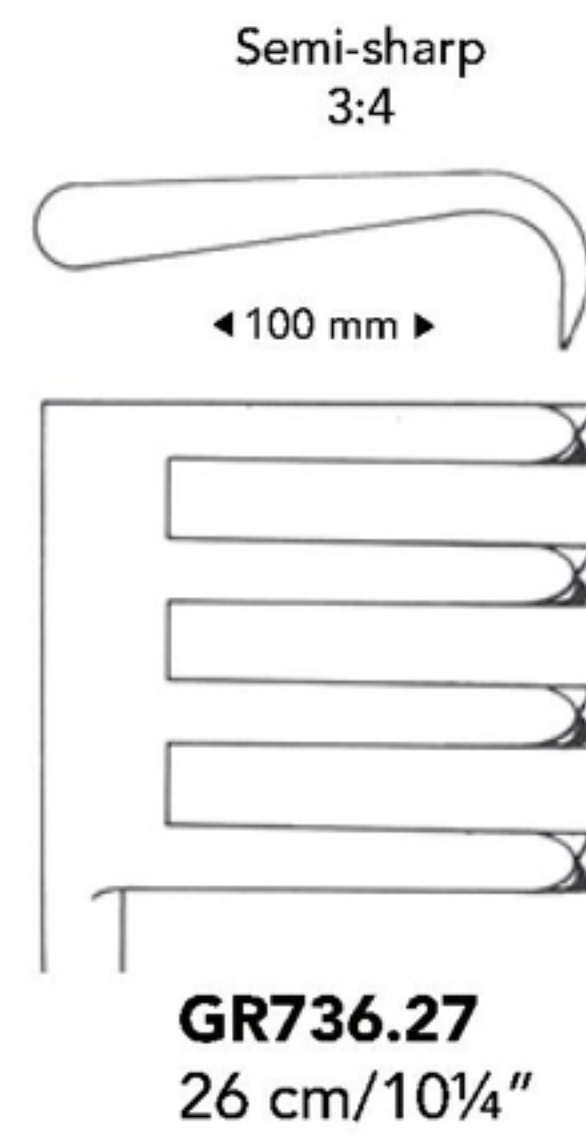
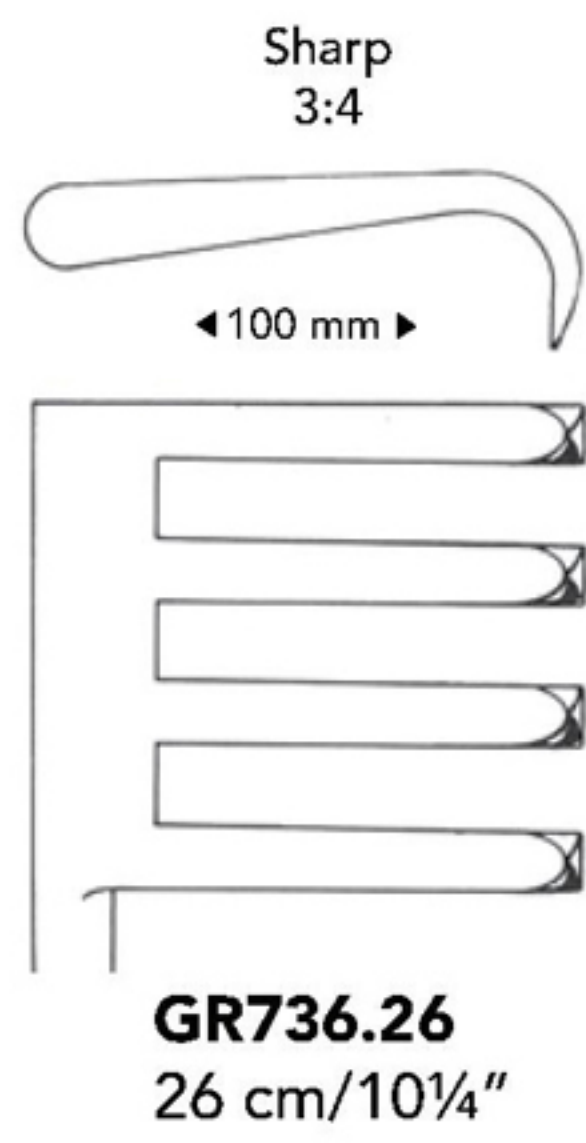
13.5 cm/5¼"



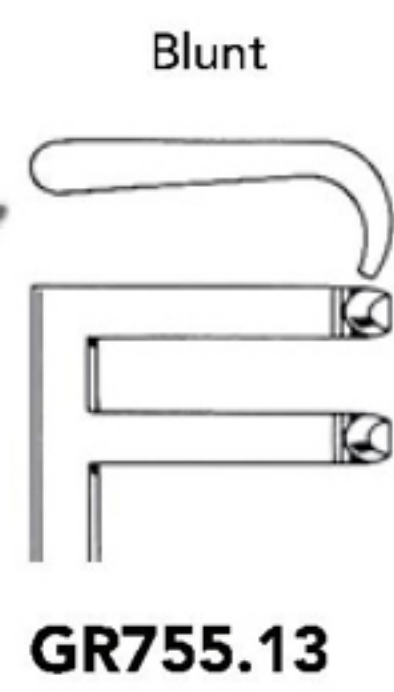
Retractors (Wound Spreaders, self-retaining)



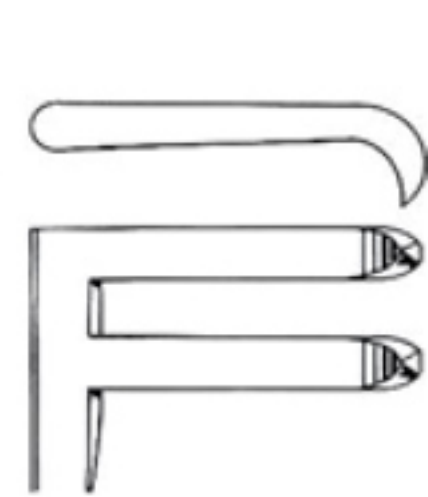
ADSON



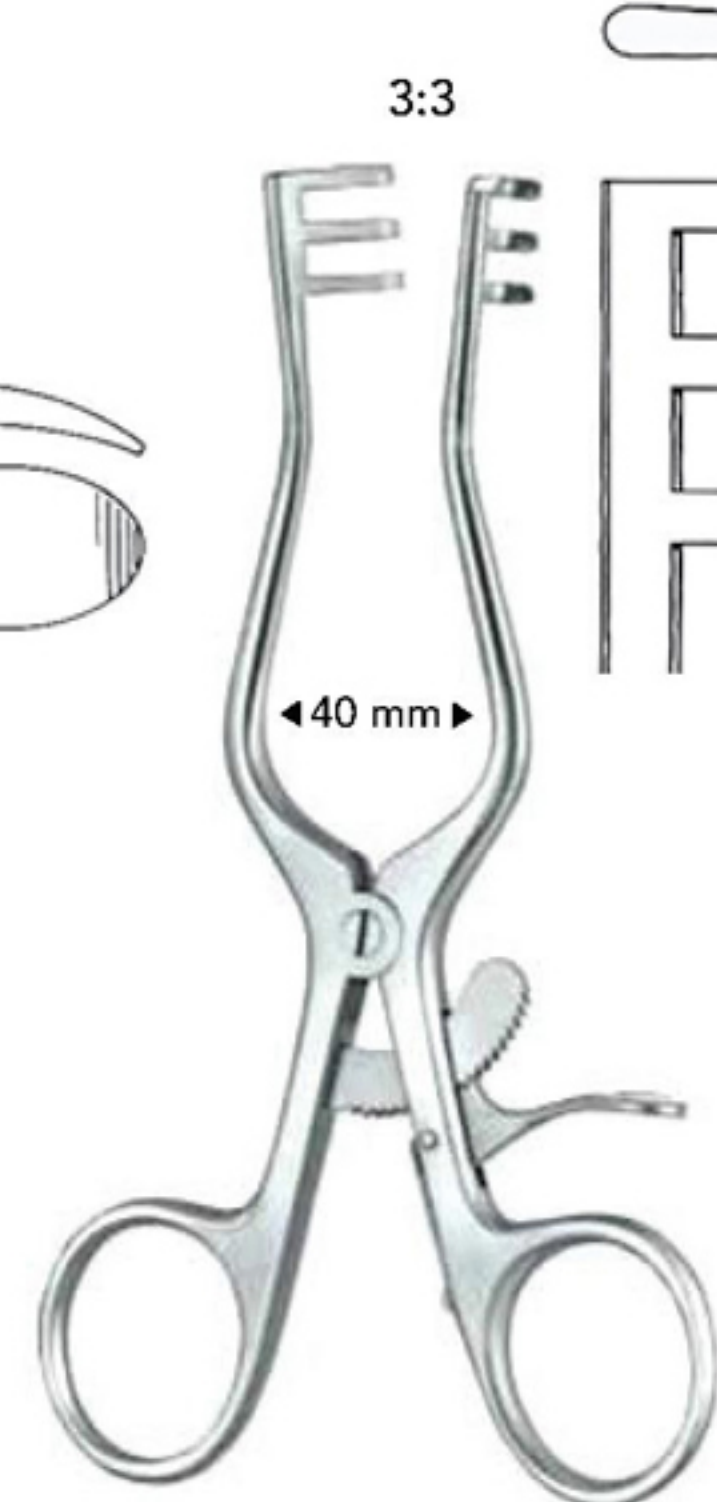
PLESTER
13 cm/5"



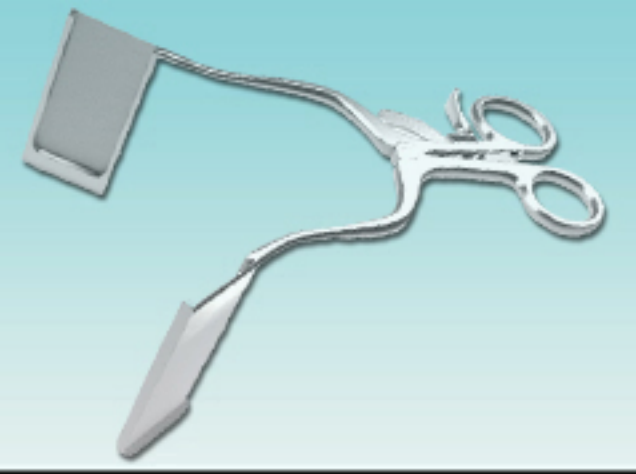
PLESTER
GR757.11
10.5 cm/4¼"



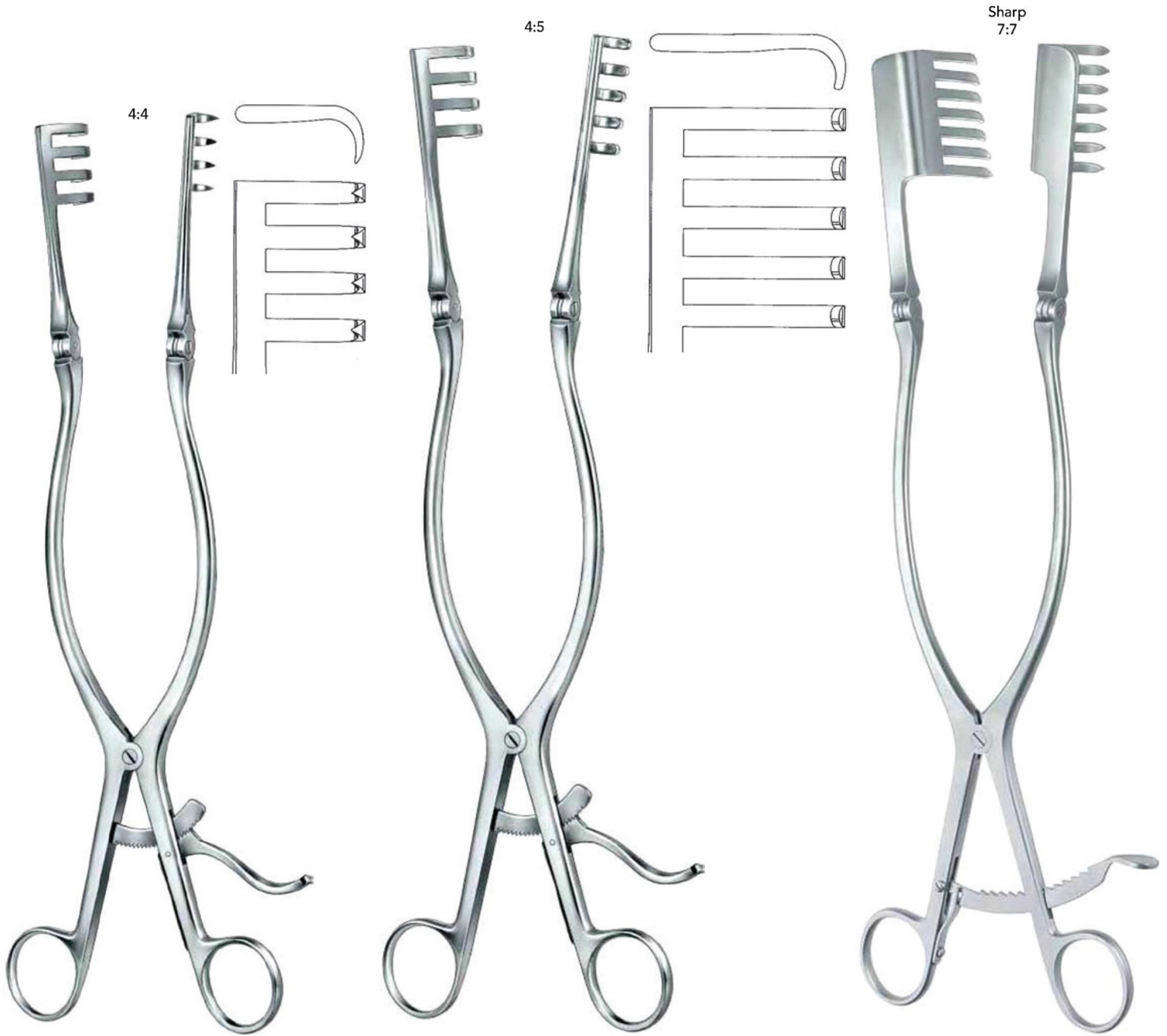
PLESTER
GR759.11
10.5 cm/4¼"



MILLIGAN
GR765.13
13.5 cm/5¼"



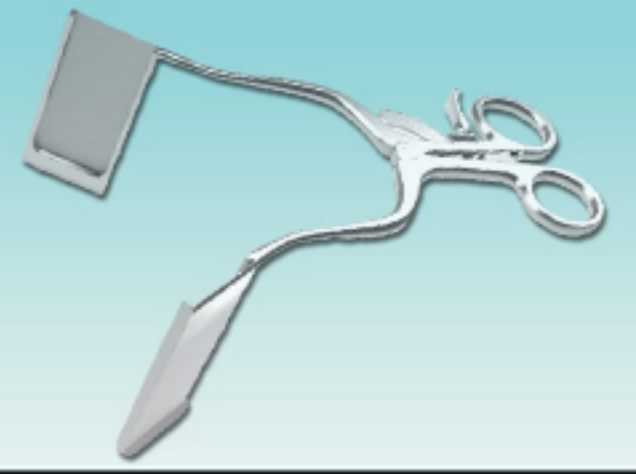
Retractors (Wound Spreaders, self-retaining)



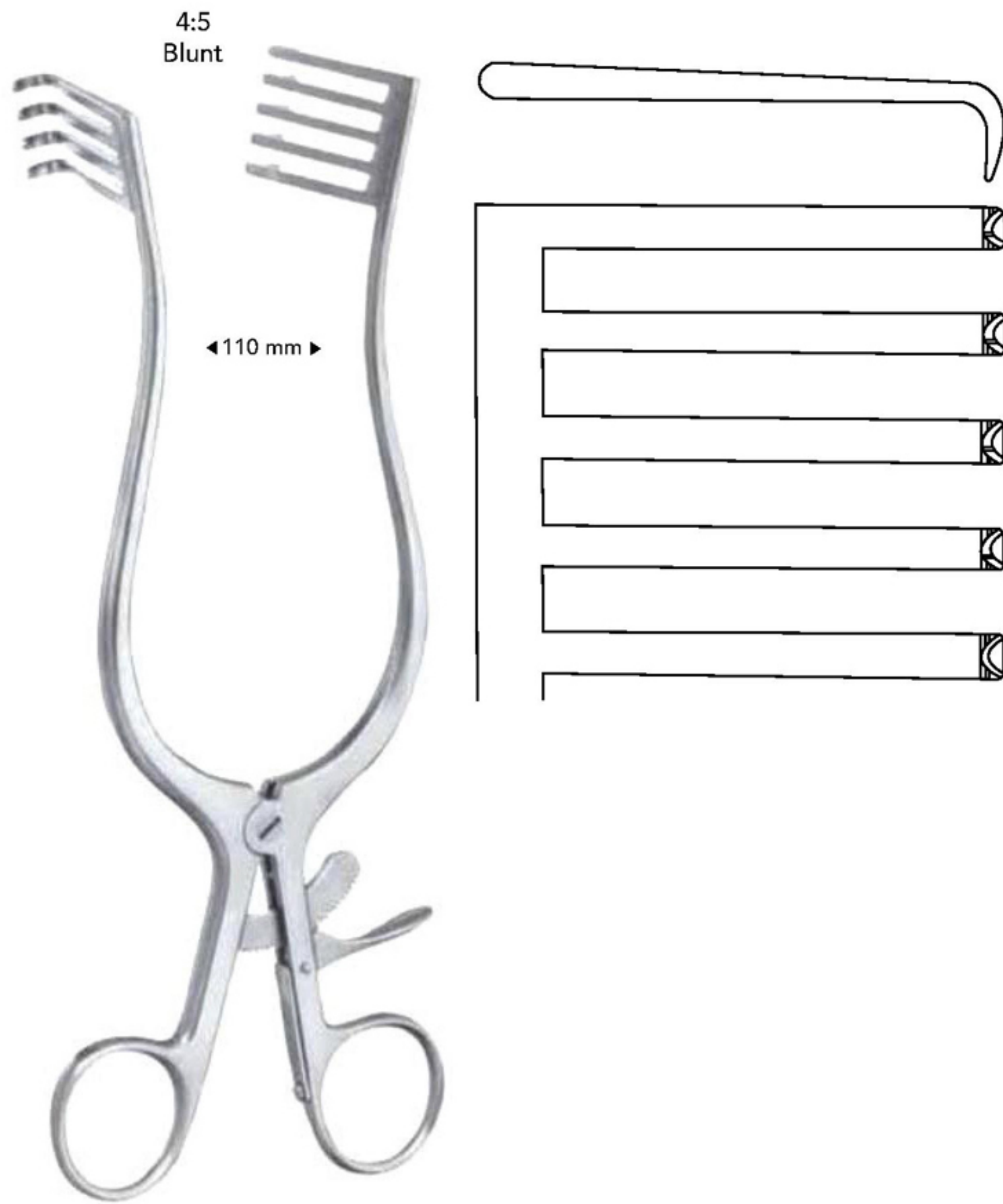
BECKMANN
 32 cm/12¾" Sharp **GR776.31**
 31.5 cm/12½" Semi-Sharp **GR776.32**

ADSON
 Sharp **GR777.32** Semi-Sharp **GR777.33**
 33 cm/13"

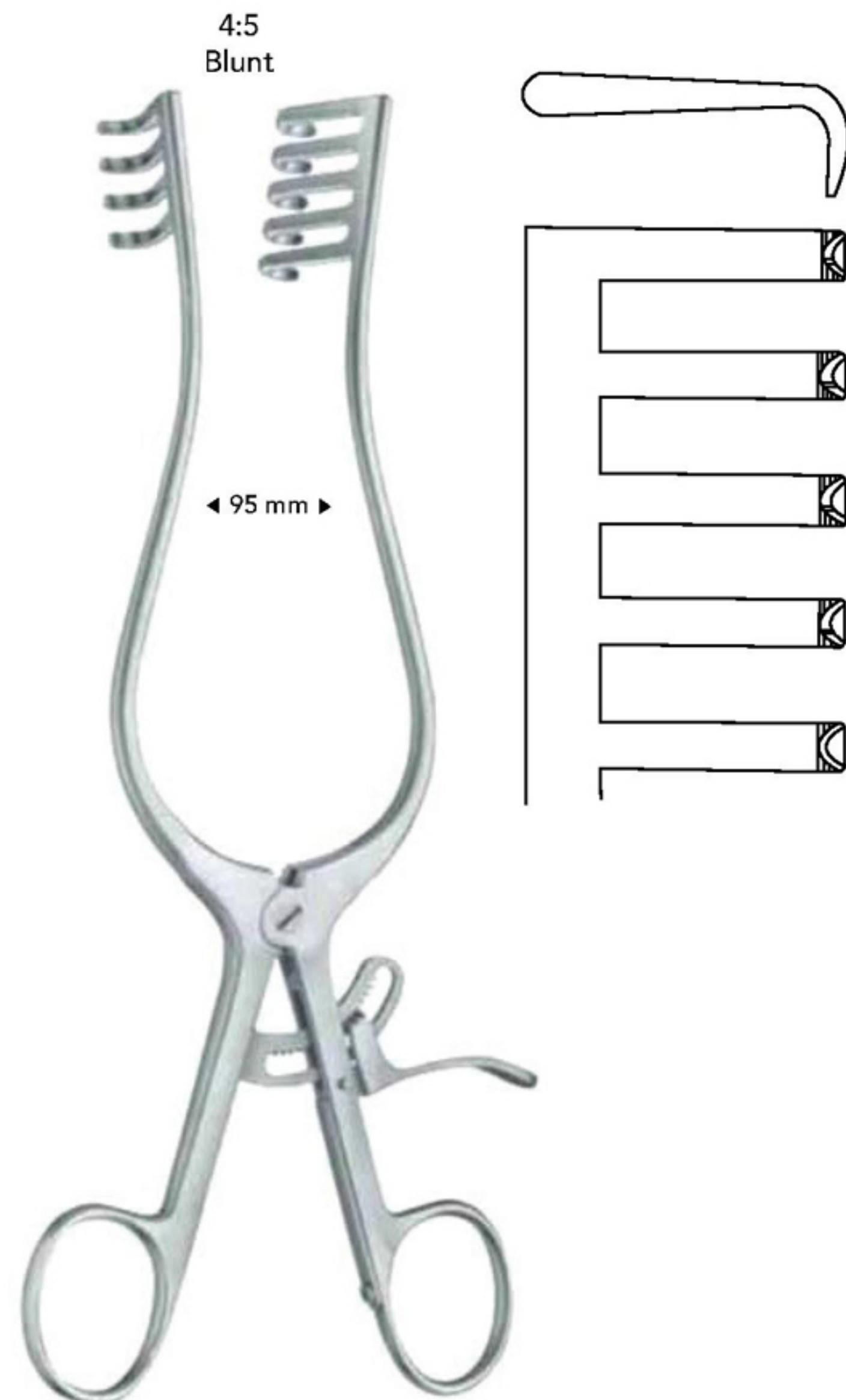
BECKMAN-EATON
GR778.32
 32 cm/12¾"



Retractors (Wound Spreaders, self-retaining)



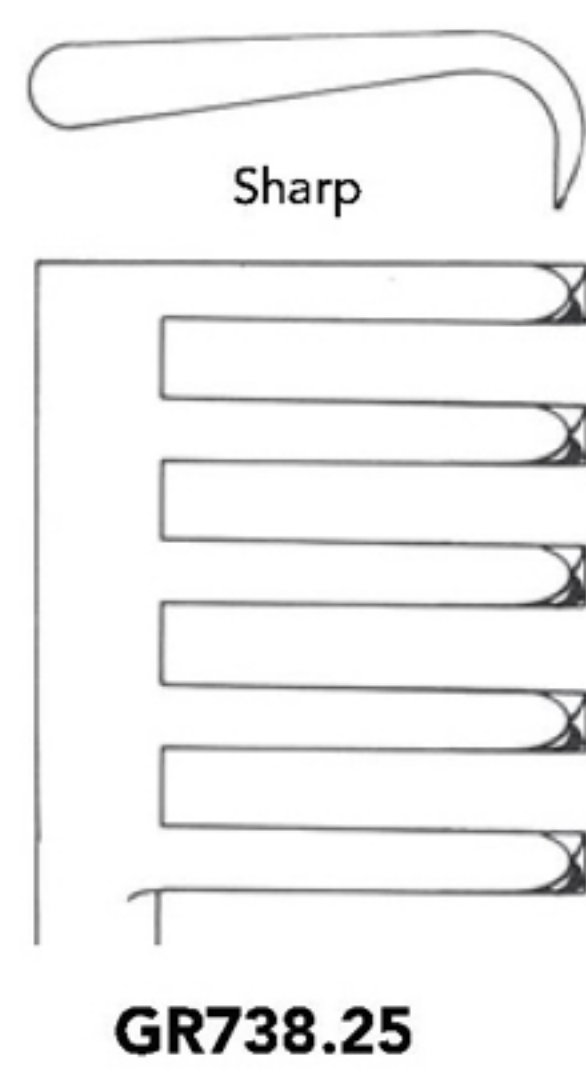
NORFOLK-NORWICH
GR733.22
21.5 cm/8¼"



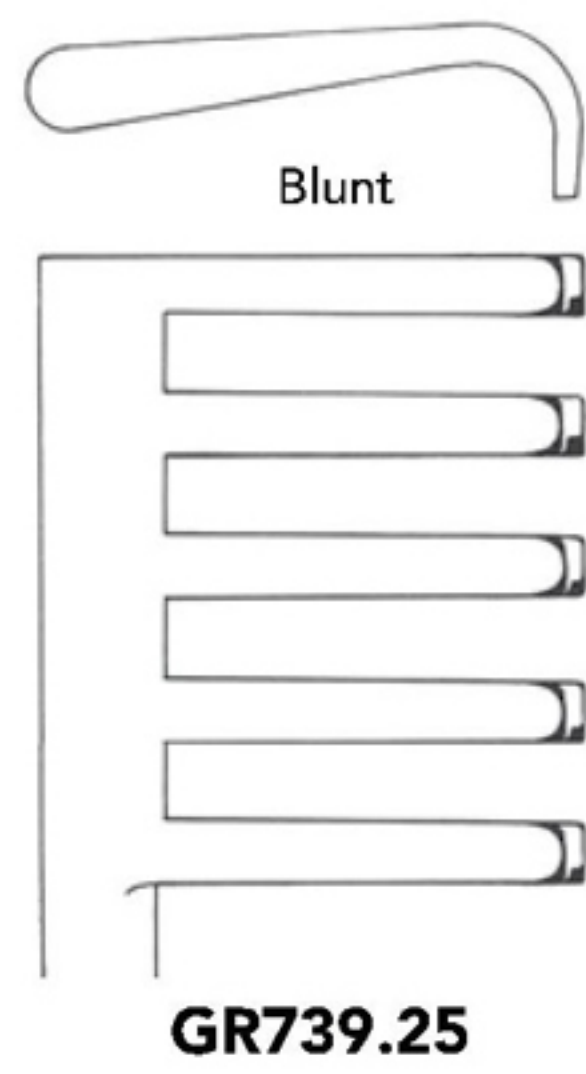
TRAVERS
GR733.21
21.5 cm/8¼"



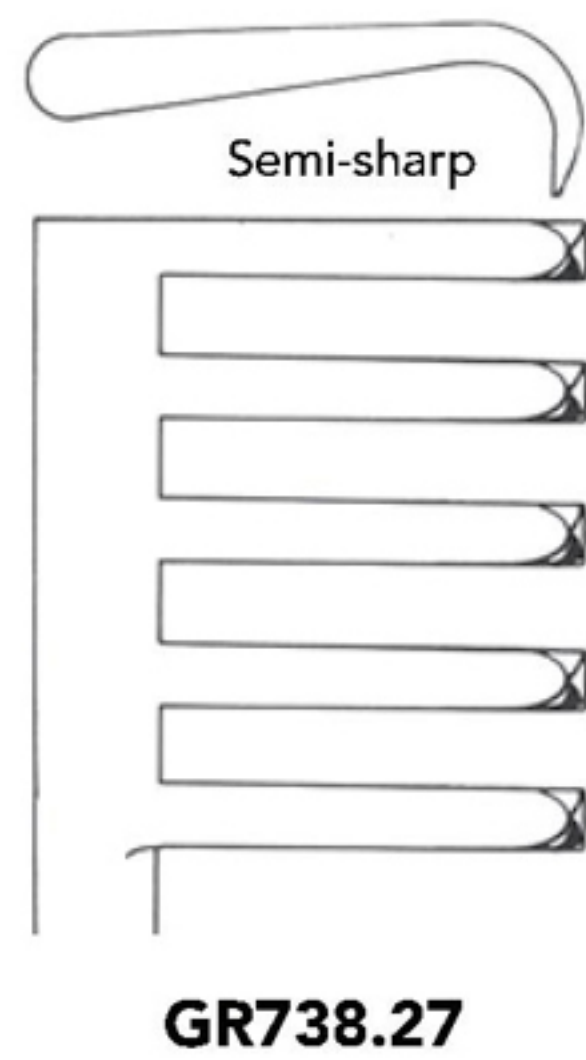
25.5 cm/10"



GR738.25



GR739.25



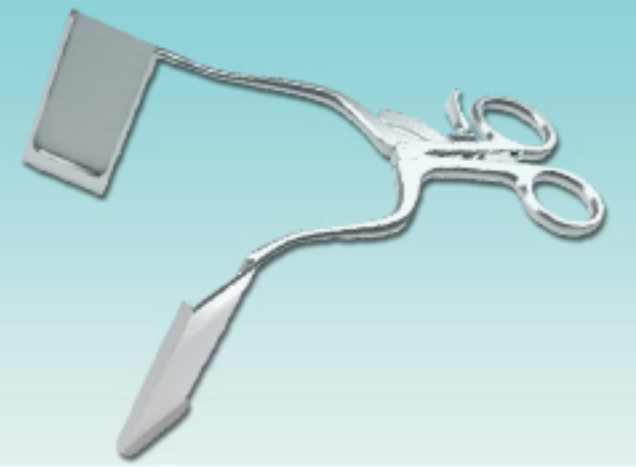
GR738.27



HARTMANN
GR767.00
26 cm/10¼"



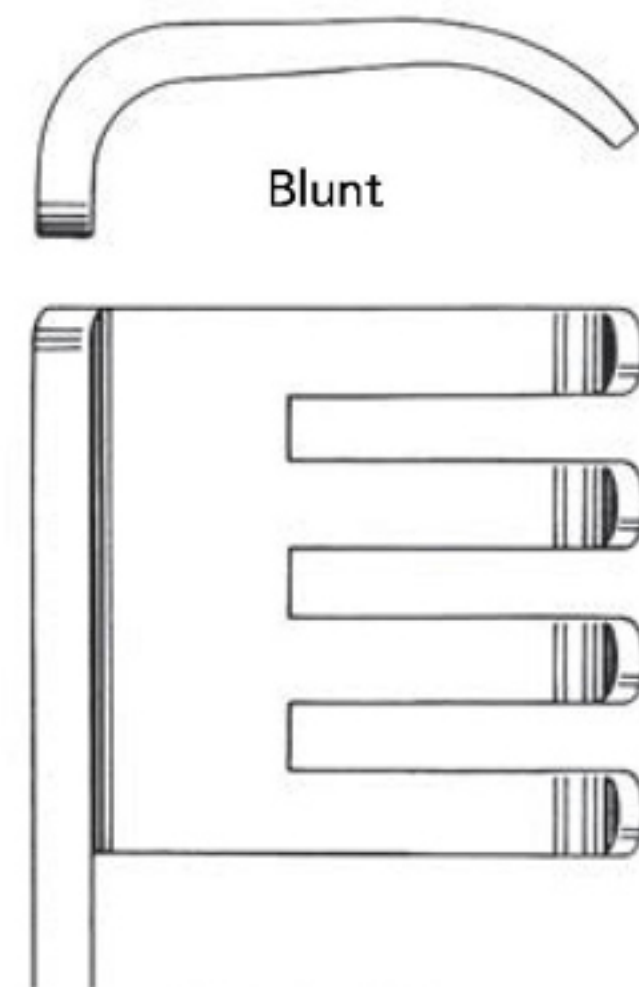
GR767.01
30 x 15 mm



Retractors (Wound Spreaders, self-retaining)

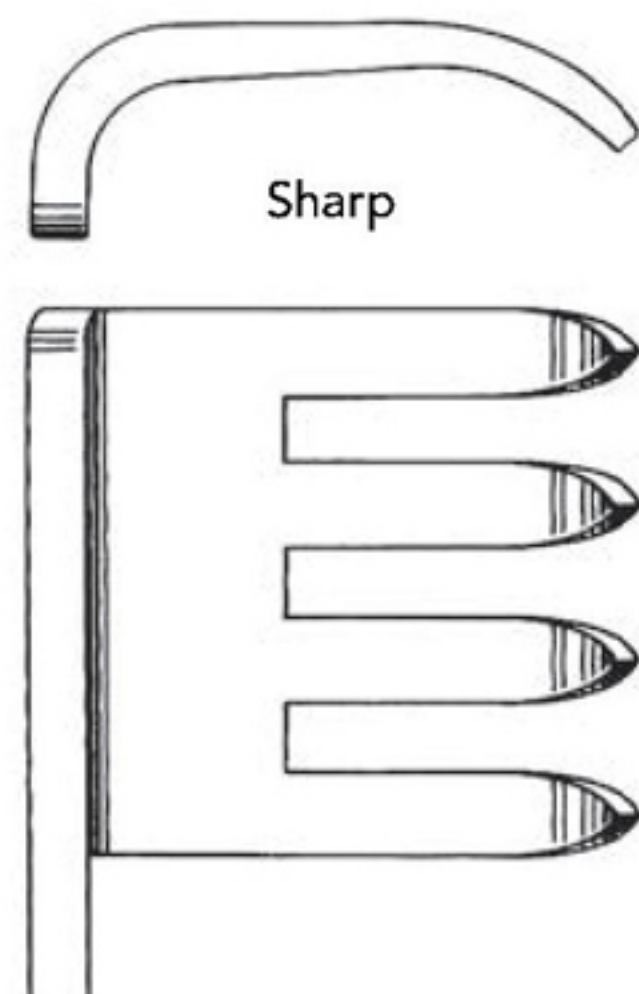


BECKMAN-ADSON
31 cm/12¼"



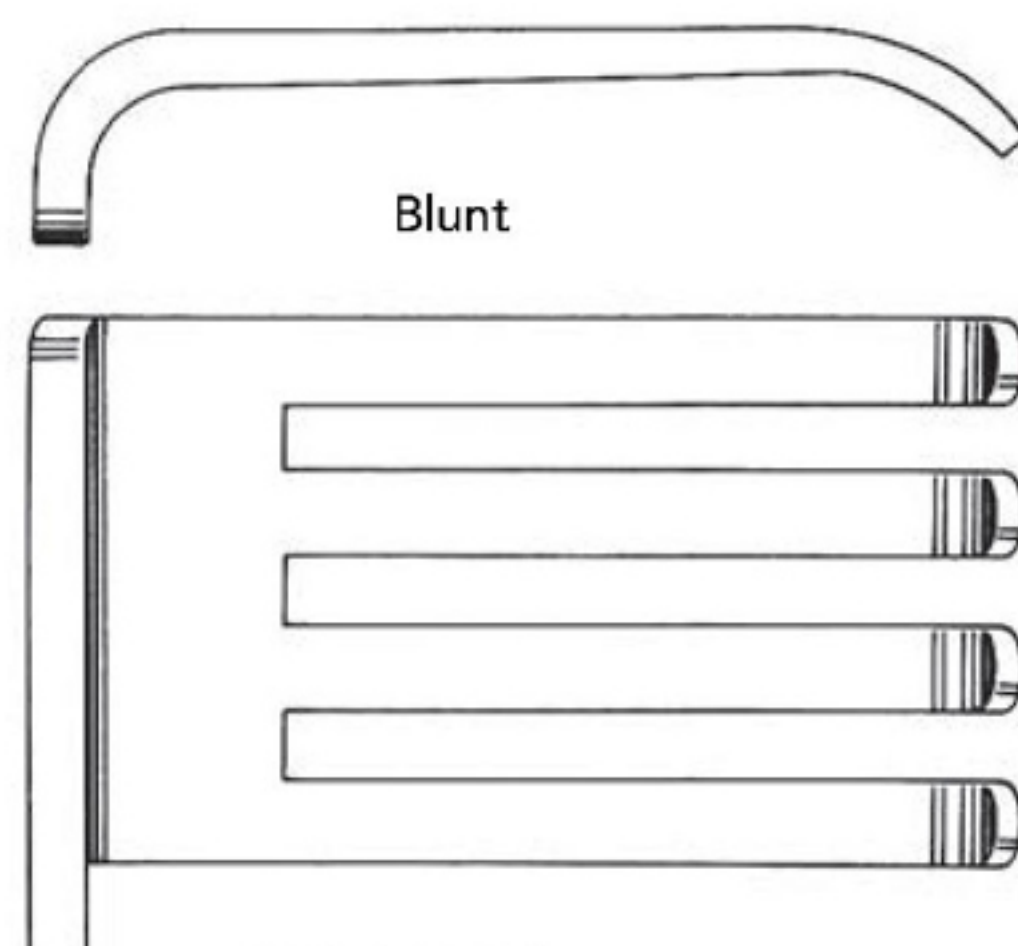
Blunt

GR778.00
31 cm/12½"



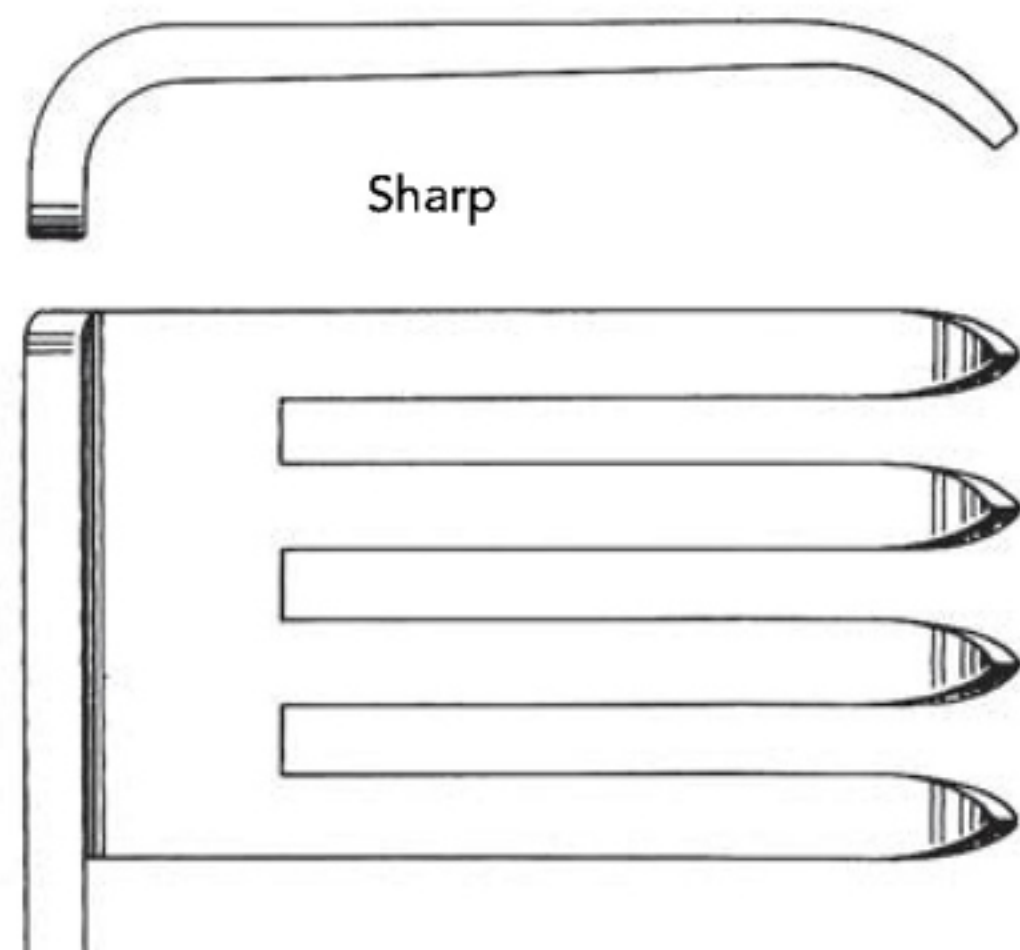
Sharp

GR778.01
31 cm/12½"



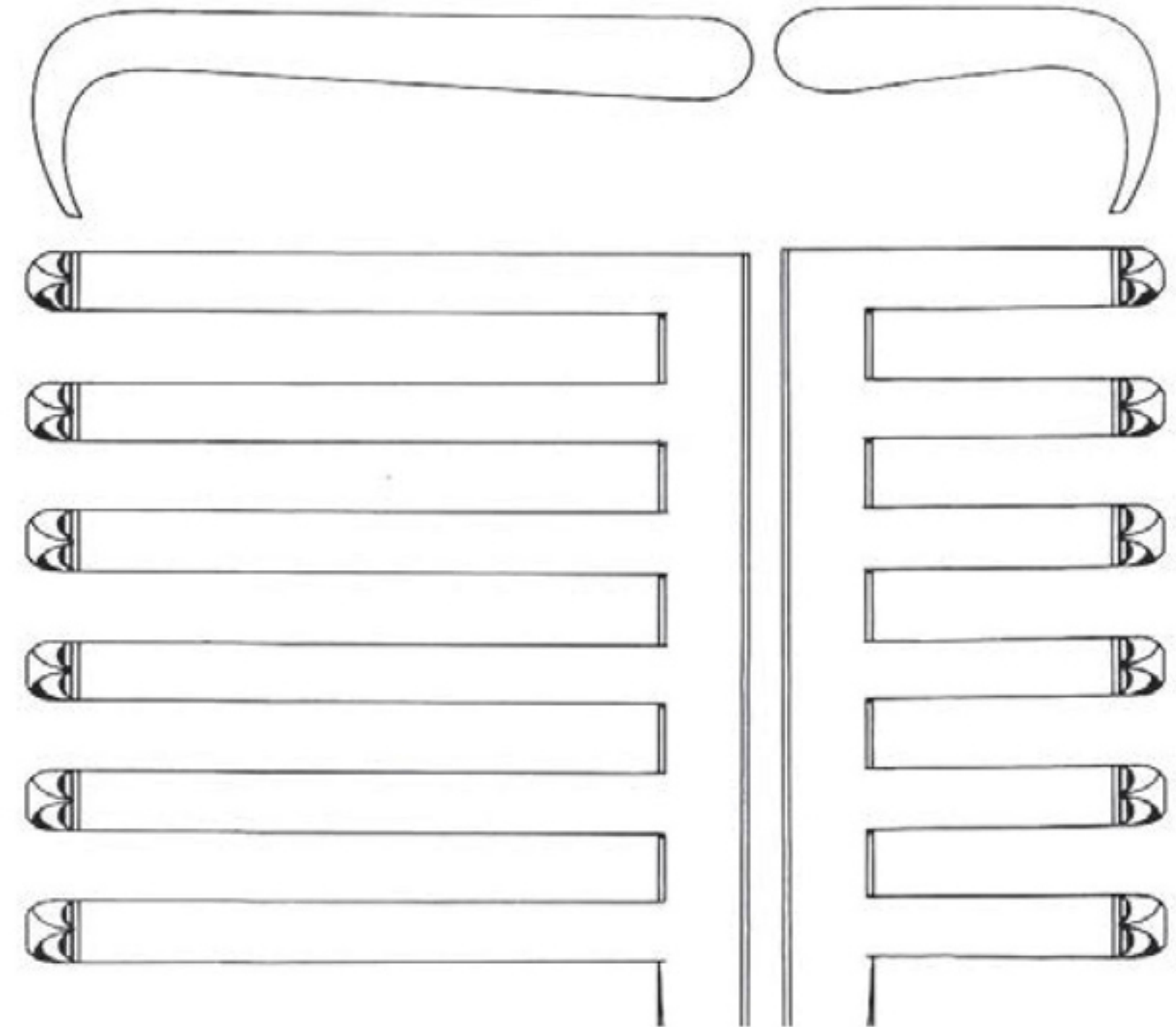
Blunt

GR778.02
30.5 cm/12¼"



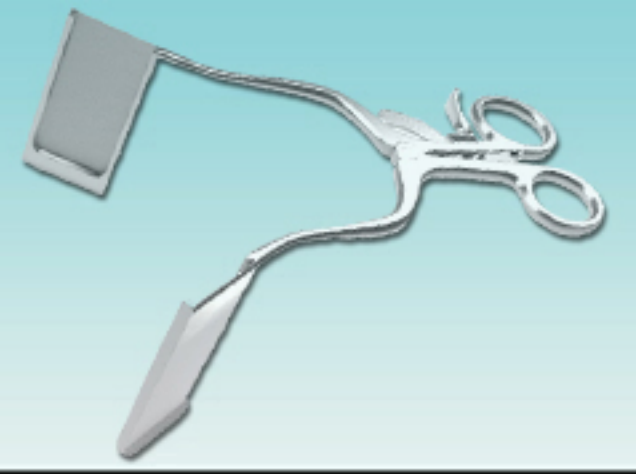
Sharp

GR778.03
30.5 cm/12¼"



Sharp
6:6

MARTIN
28.5 cm/13"
GR790.01 **GR790.02**
Long teeth on left Long teeth on right



Retractors (Wound Spreaders, self-retaining)

Toothed

Smooth



16 mm

16 mm

GR774.40
4.0 cm/1½"

GR775.40
4.0 cm/1½"



16 mm

16 mm

GR774.45
4.5 cm/1¾"

GR775.45
4.5 cm/1¾"



16 mm

16 mm

GR774.50
5.0 cm/2"

GR775.50
5.0 cm/2"



16 mm

16 mm

GR774.55
5.5 cm/2¼"

GR775.55
5.5 cm/2¼"



16 mm

16 mm

GR774.60
6.0 cm/2½"

GR775.60
6.0 cm/2½"

GR774.25
25 cm/10"

GR775.15
15 cm/6"

Spreader only

Spreader only



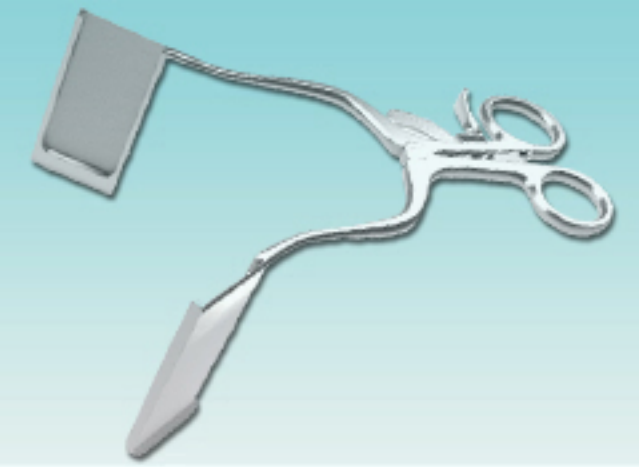
CLOWARD
GR774.00

Complete set with 2 blades each
GR774.40 - GR774.60



CLOWARD
GR775.00

Complete set with 2 blades each
GR775.40 - GR775.60



Retractors (Wound Spreaders, self-retaining)



◀190 mm▶

◀ **GR906.81**
Frame only

SCOVILLE
GR906.80
22 cm/8¾"

Complete set consisting of:
hook only **GR906.01** frame only **GR906.81**
& blades **GR906.11**



◀180 mm▶

With joints

◀ **GR906.91**
Frame only

SCOVILLE-HAVERFIELD
GR906.90
22 cm/8¾"

Complete set consisting of:
hook only **GR906.01** frame only **GR906.91**
& blades **GR906.11**

Hooks



GR906.01
5 cm/2"
50 mm, deep, blunt



GR906.02
7 cm/2¾"
70 mm, deep, blunt



GR906.06
5 cm/2"
50 mm, deep, sharp



GR906.07
7 cm/2¾"
70 mm, deep, sharp



Toothed
GR906.11 60 x 25 mm
GR906.12 61 x 50 mm
GR906.13 86 x 25 mm



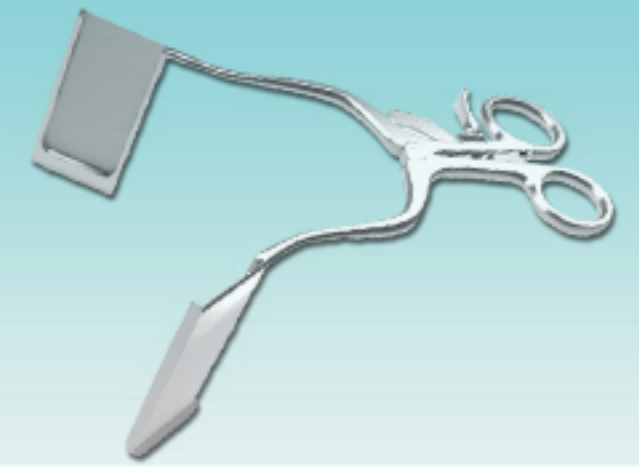
4 prongs sharp

Sharp
GR906.41 48 x 50 mm
GR906.42 64 x 50 mm
GR906.43 64 x 64 mm
GR906.44 80 x 57 mm



4 prongs sharp

Sharp
GR906.46 44 x 38 mm
GR906.47 67 x 44 mm



Retractors (Wound Spreaders, self-retaining)



Complete with 2 pair of lateral blades

GR839.18
18 x 40 mm

GR839.27
27 x 40 mm

COLLIN-BABY
GR820.00
18 cm/7"



GR839.38
38 x 60 mm

Complete with 1 pair of lateral blades

COLLIN
GR822.22
20 cm/8"



GR823.90

Central blade
38 x 55 mm

COLLIN
GR824.00
20 cm/8"

Complete, with 1 pair of lateral blades **GR839.45**

and central blade **GR823.90**

COLLIN
GR823.00
20 cm/8"



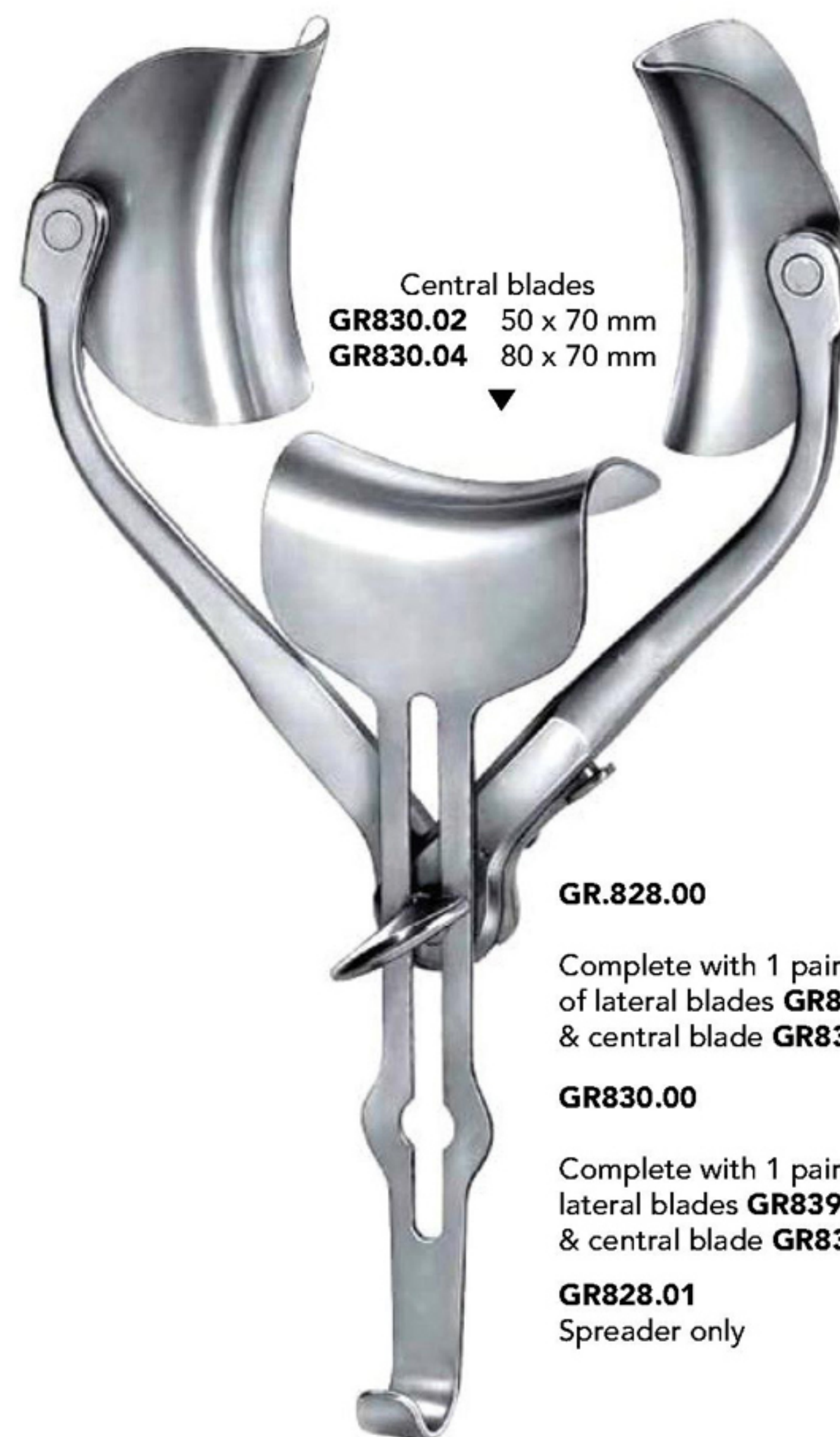
GR826.90

Central blade
60 x 75 mm

COLLIN
GR815.00
31 cm/12 1/4"

GR839.60
60 x 80 mm

Complete with 1 pair of lateral blades



Central blades
GR830.02 50 x 70 mm
GR830.04 80 x 70 mm

GR.828.00

Complete with 1 pair of lateral blades **GR839.90** & central blade **GR830.02**

GR830.00

Complete with 1 pair of lateral blades **GR839.92** & central blade **GR830.04**

GR828.01
Spreader only

RICARD

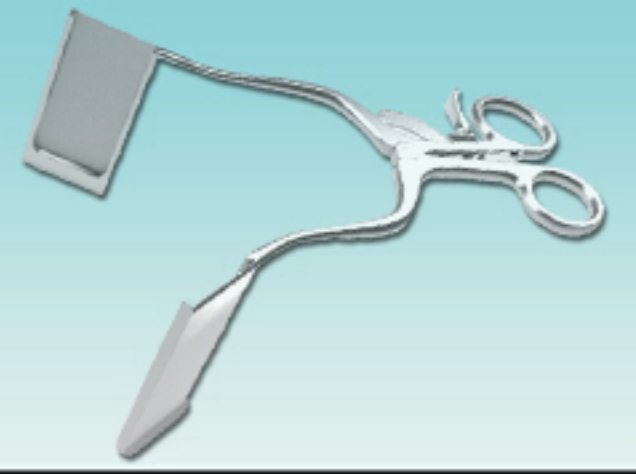
Lateral blades (pairs)



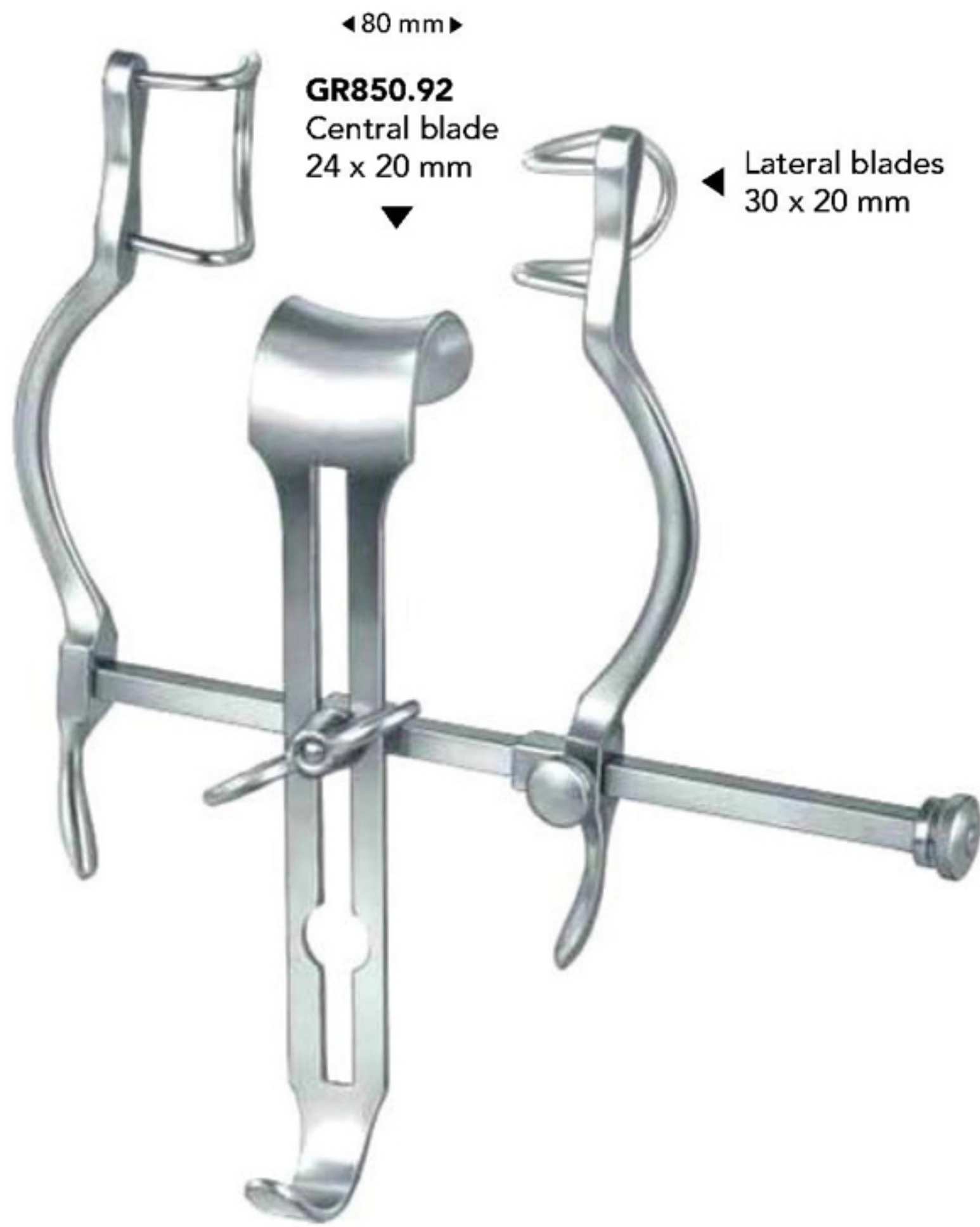
18 x 40 mm **GR839.18**
27 x 40 mm **GR839.27**
38 x 60 mm **GR839.38**
48 x 90 mm **GR839.45**
60 x 80 mm **GR839.60**



50 x 70 mm **GR839.50**
52 x 110 mm **GR839.52**
70 x 55 mm **GR839.70**
50 x 58 mm **GR839.90**
60 x 80 mm **GR839.92**
72 x 85 mm **GR839.94**
100 x 120 mm **GR839.100**

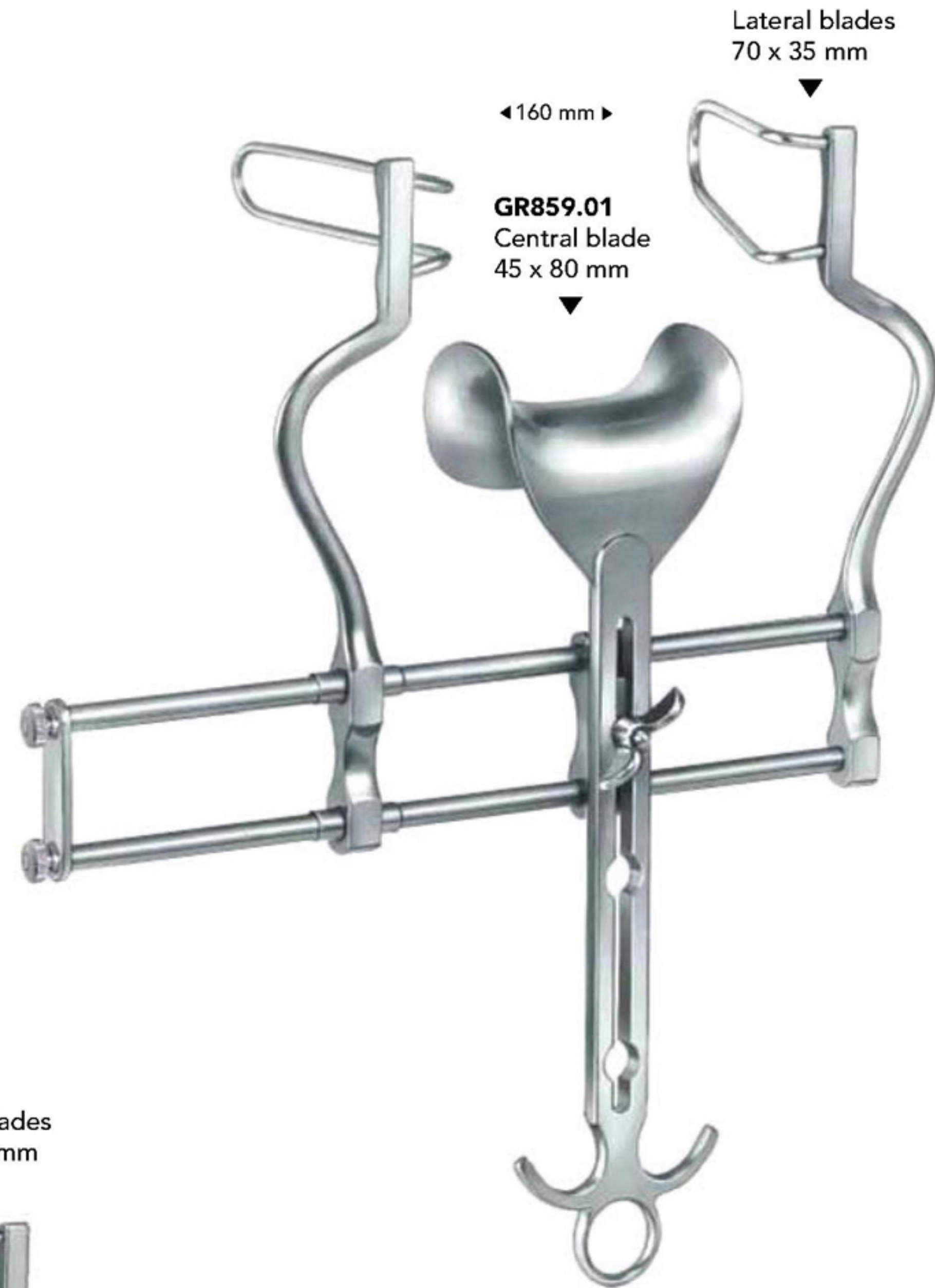


Retractors (Wound Spreaders, self-retaining)



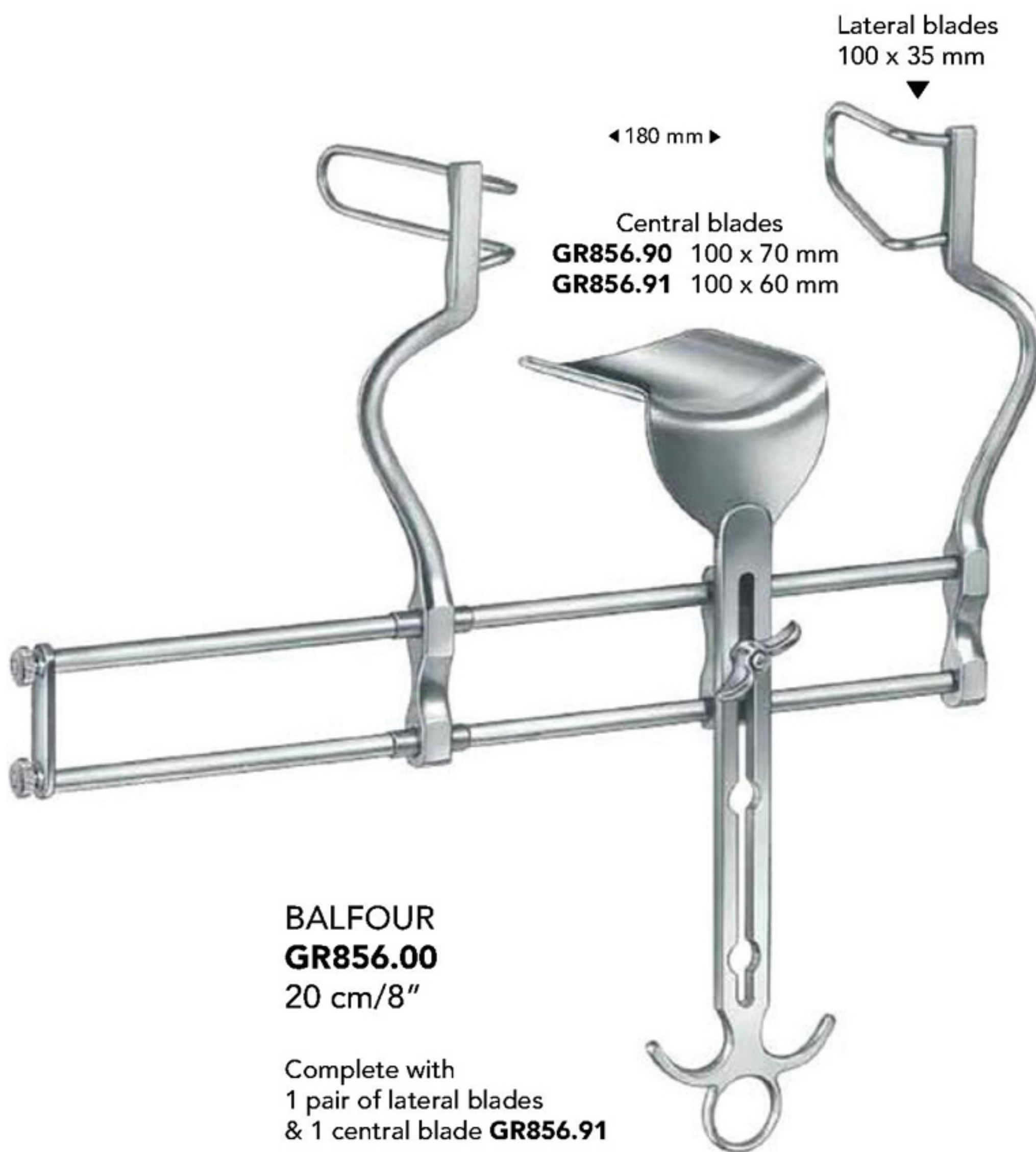
BALFOUR-BABY
GR850.00
12.5 cm/5"

Complete with
1 pair of lateral blades
& 1 central blade



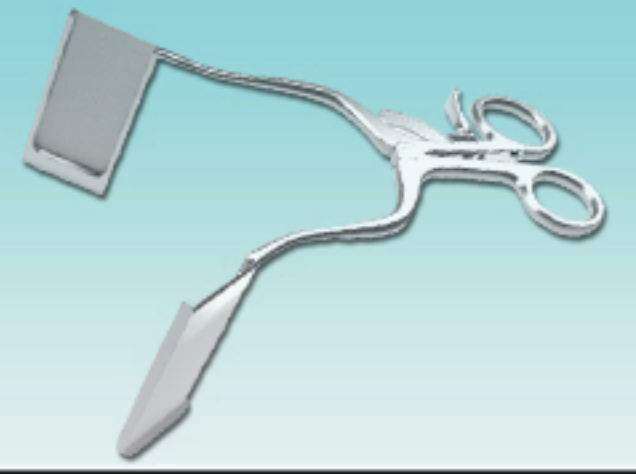
BALFOUR
GR852.00
20 cm/8"

Complete with
1 pair of lateral blades
& 1 central blade

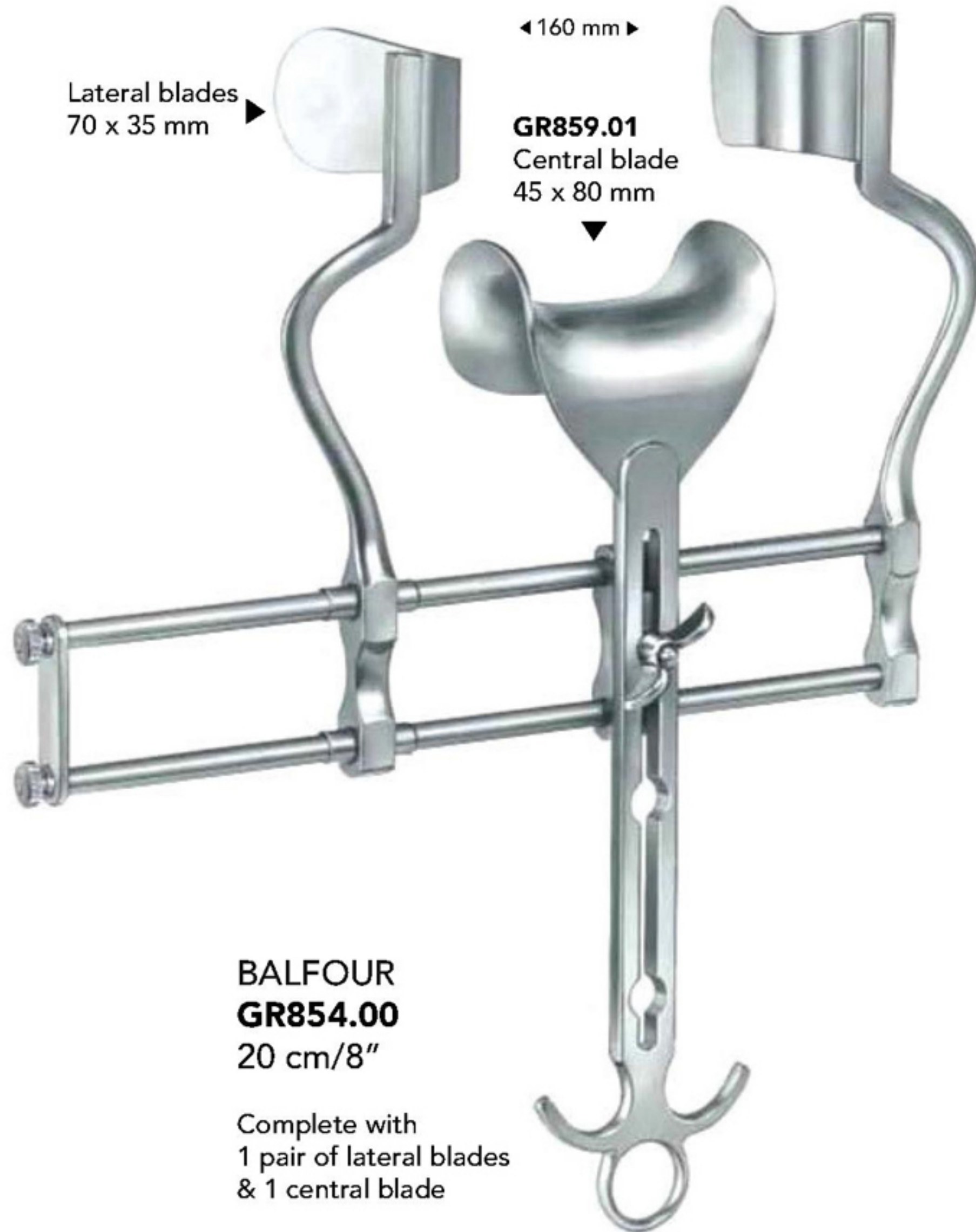
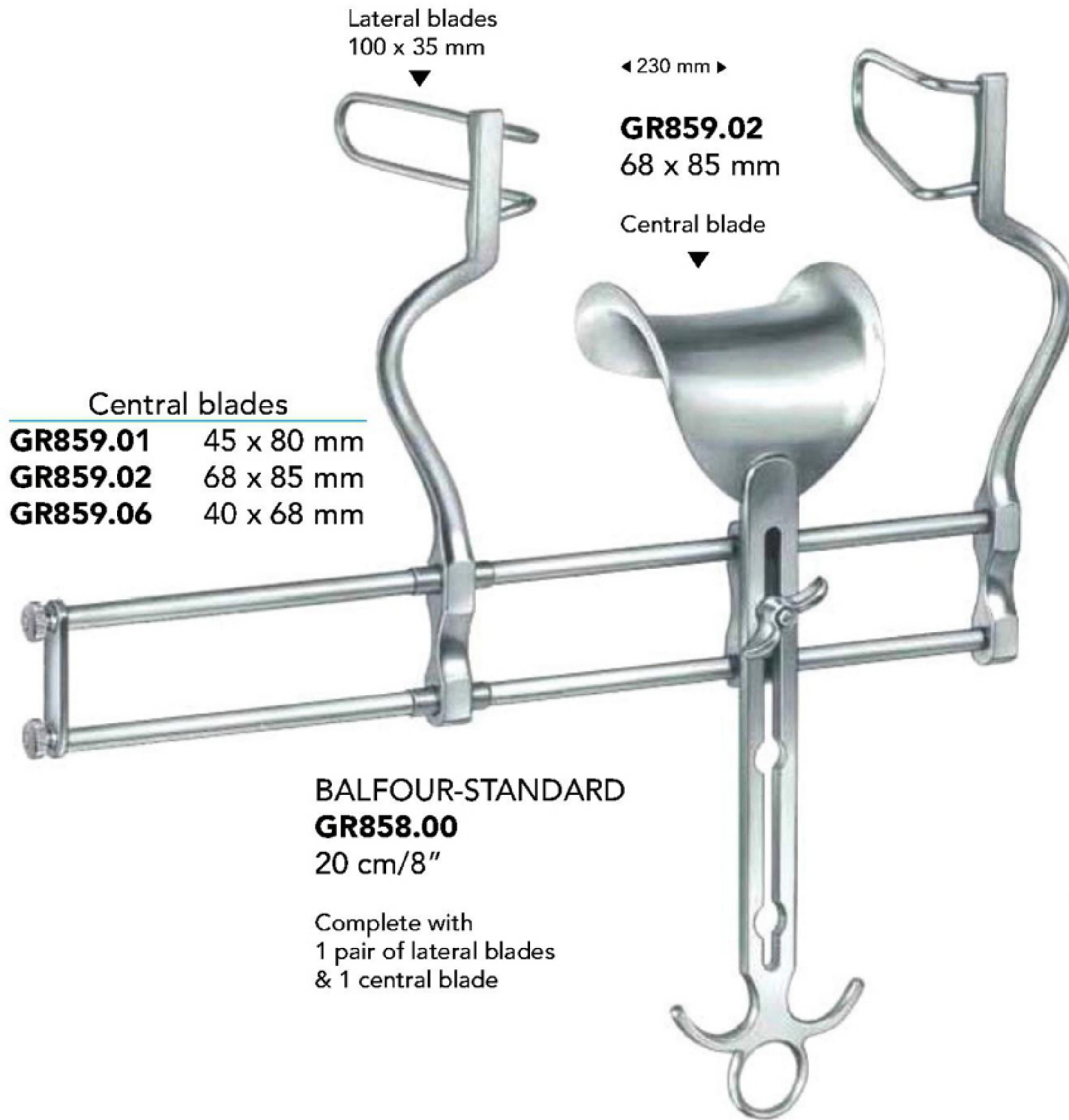


BALFOUR
GR856.00
20 cm/8"

Complete with
1 pair of lateral blades
& 1 central blade **GR856.91**

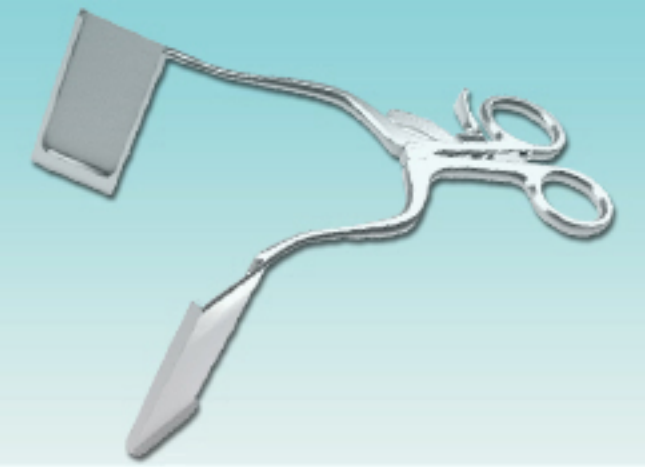


Retractors (Wound Spreaders, self-retaining)

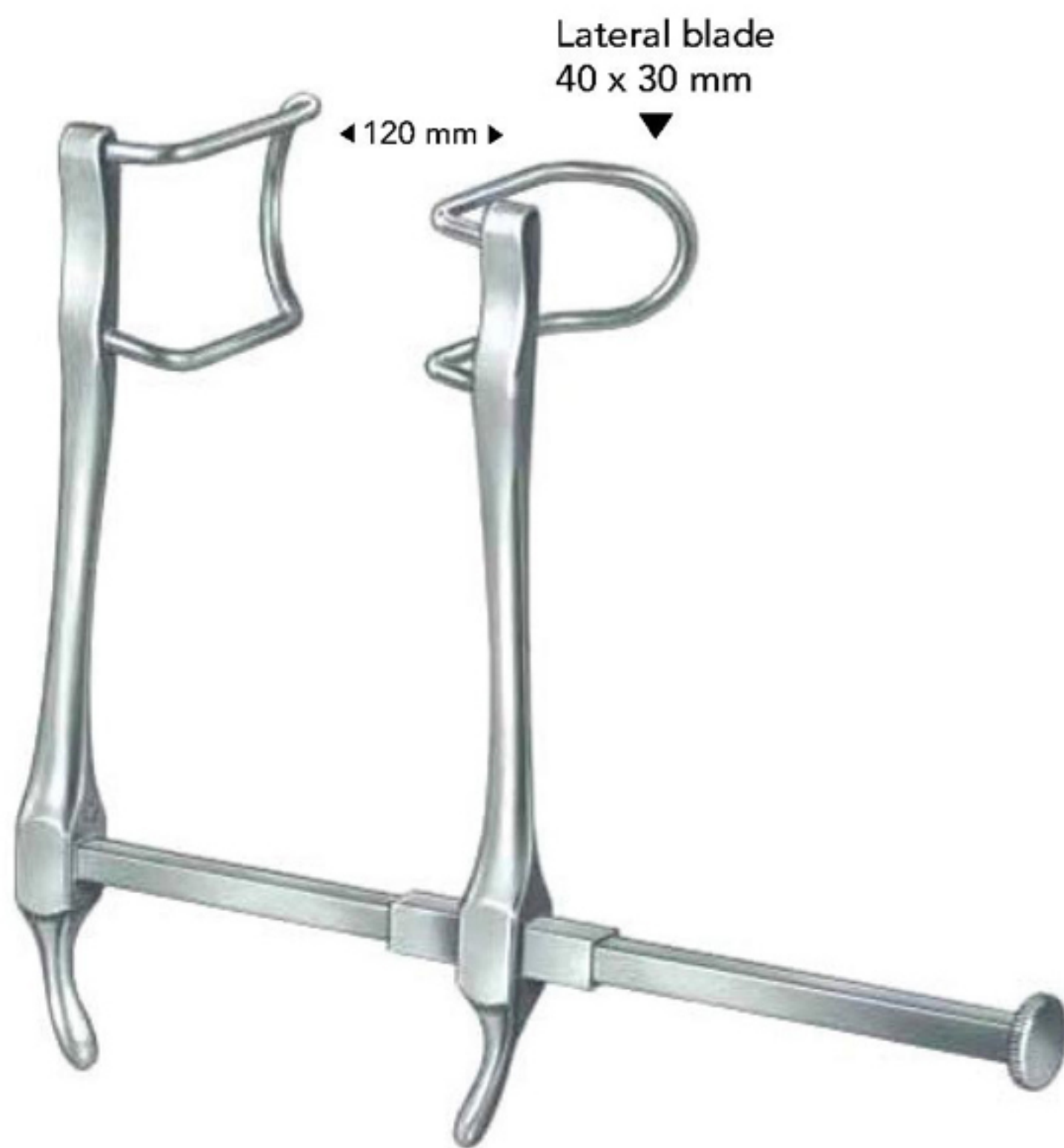


BALFOUR MOD. USA
GR860.00
20 cm/8"

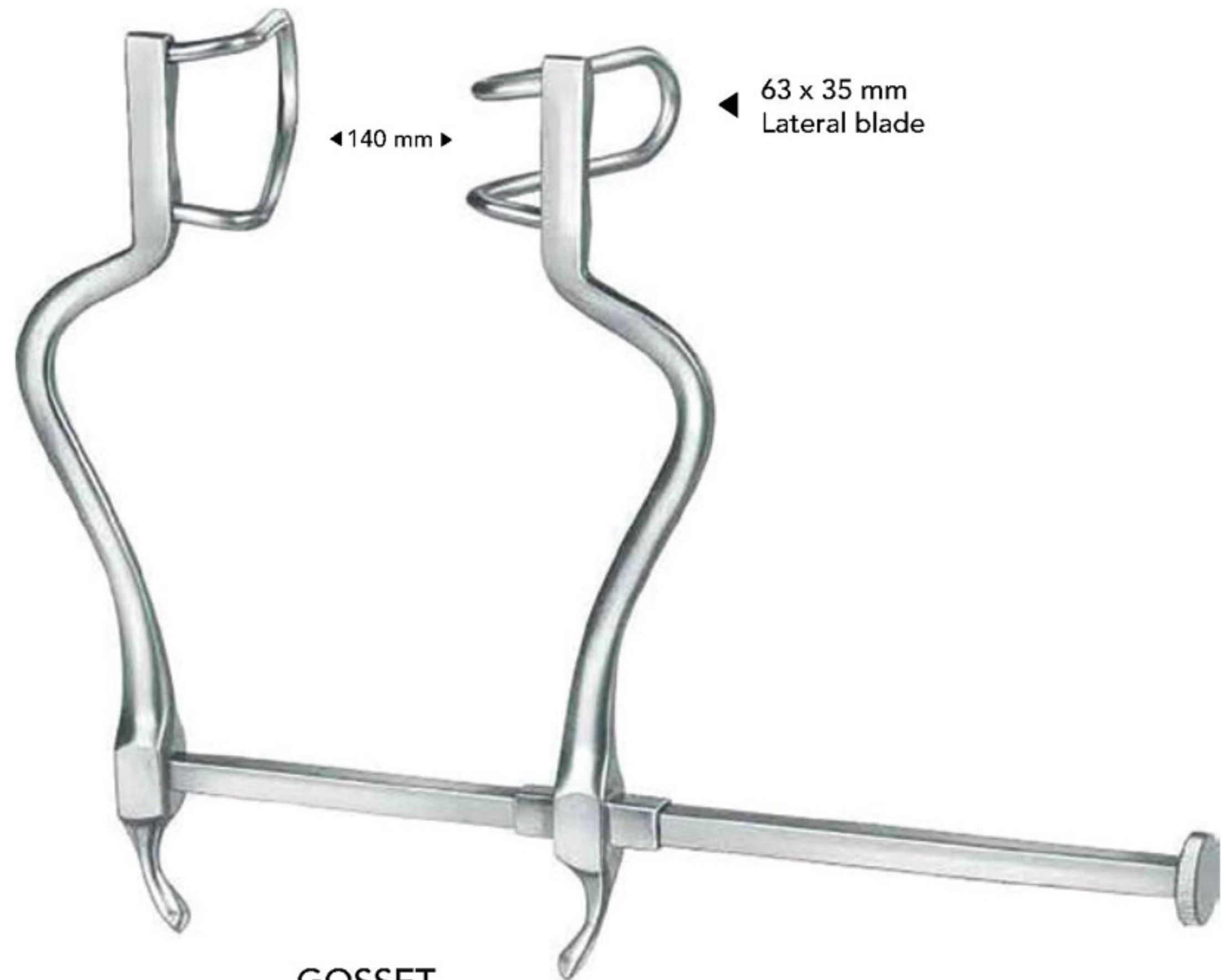
Complete with
1 pair of lateral blades
& 1 central blade



Retractors (Wound Spreaders, self-retaining)



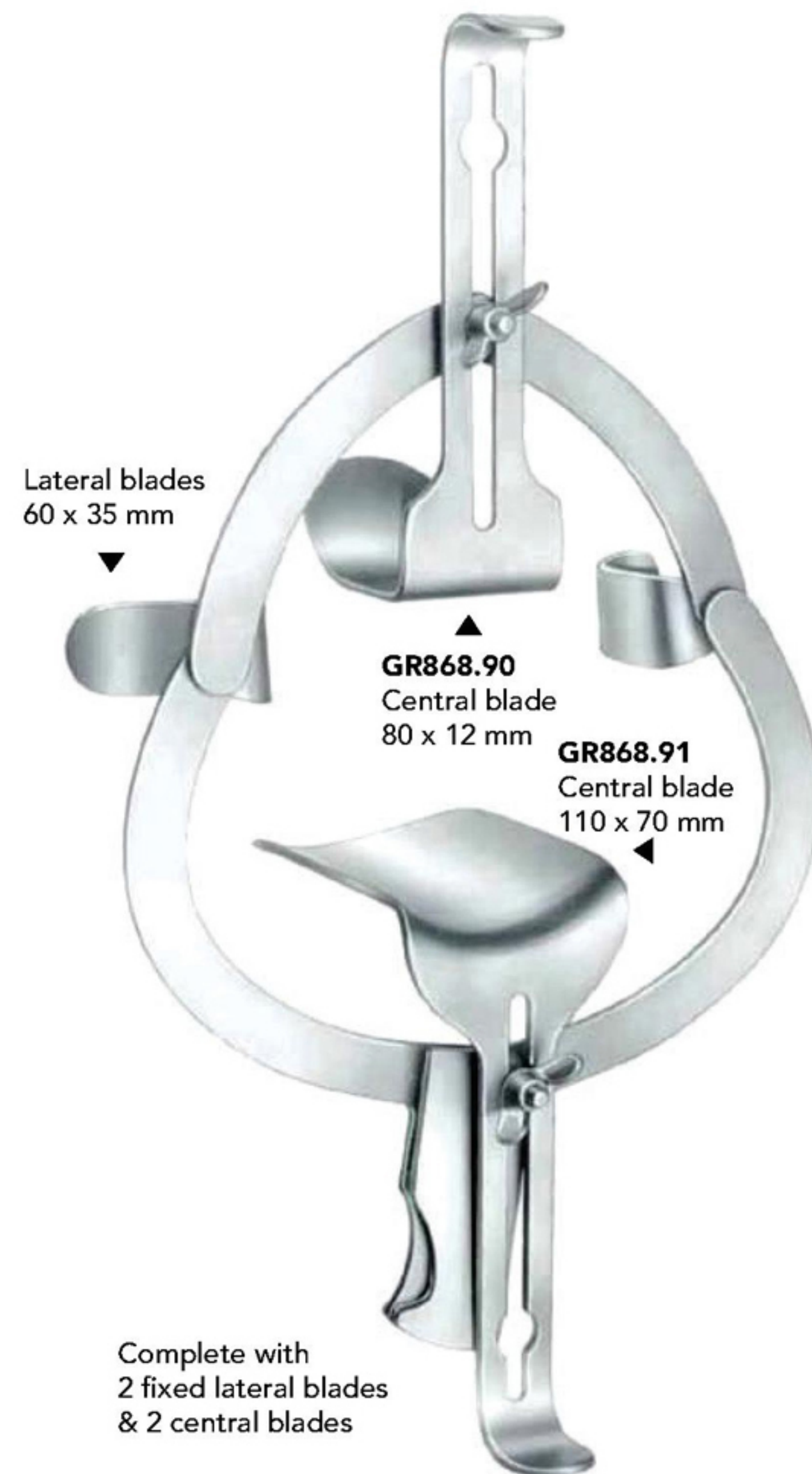
GOSSET-BABY
GR840.00
12.5 cm/5"



GOSSET
GR846.00
18.5 cm/7¼"

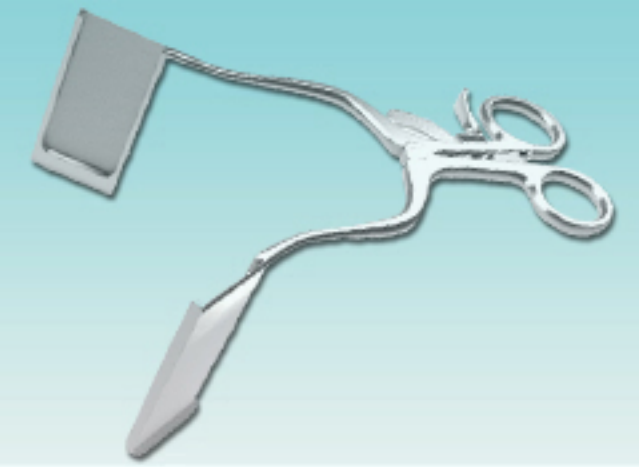


GOSSET
GR844.00
16.5 cm/6½"



Complete with
2 fixed lateral blades
& 2 central blades

O'SULLIVAN-O'CONNOR
GR868.00
20 cm/8"



Retractors (Wound Spreaders, self-retaining)

GR882.30
Frame only

Internal dimensions
300 x 240 mm

Flat blades

KIRSCHNER	
GR882.00	Complete Set
GR889.50	50 x 65 mm 3x
GR889.80	85 x 90 mm 1x
GR889.98	80 x 90 mm 1x
GR889.99	105 x 35 mm 1x

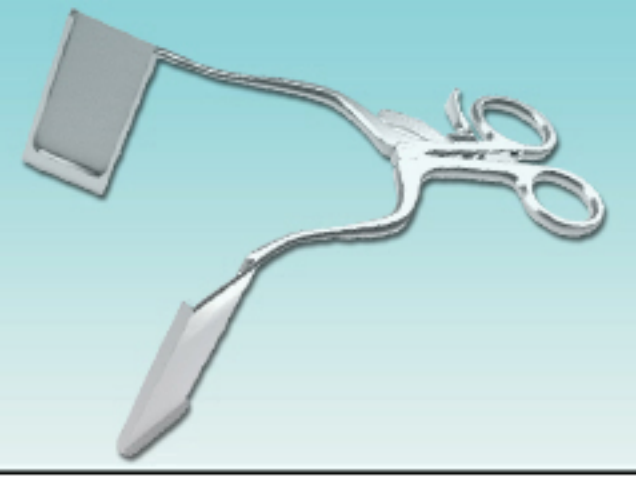
Blade only	
GR889.98	98 x 50 mm
GR889.99	105 x 35 mm

GR884.30
Frame only

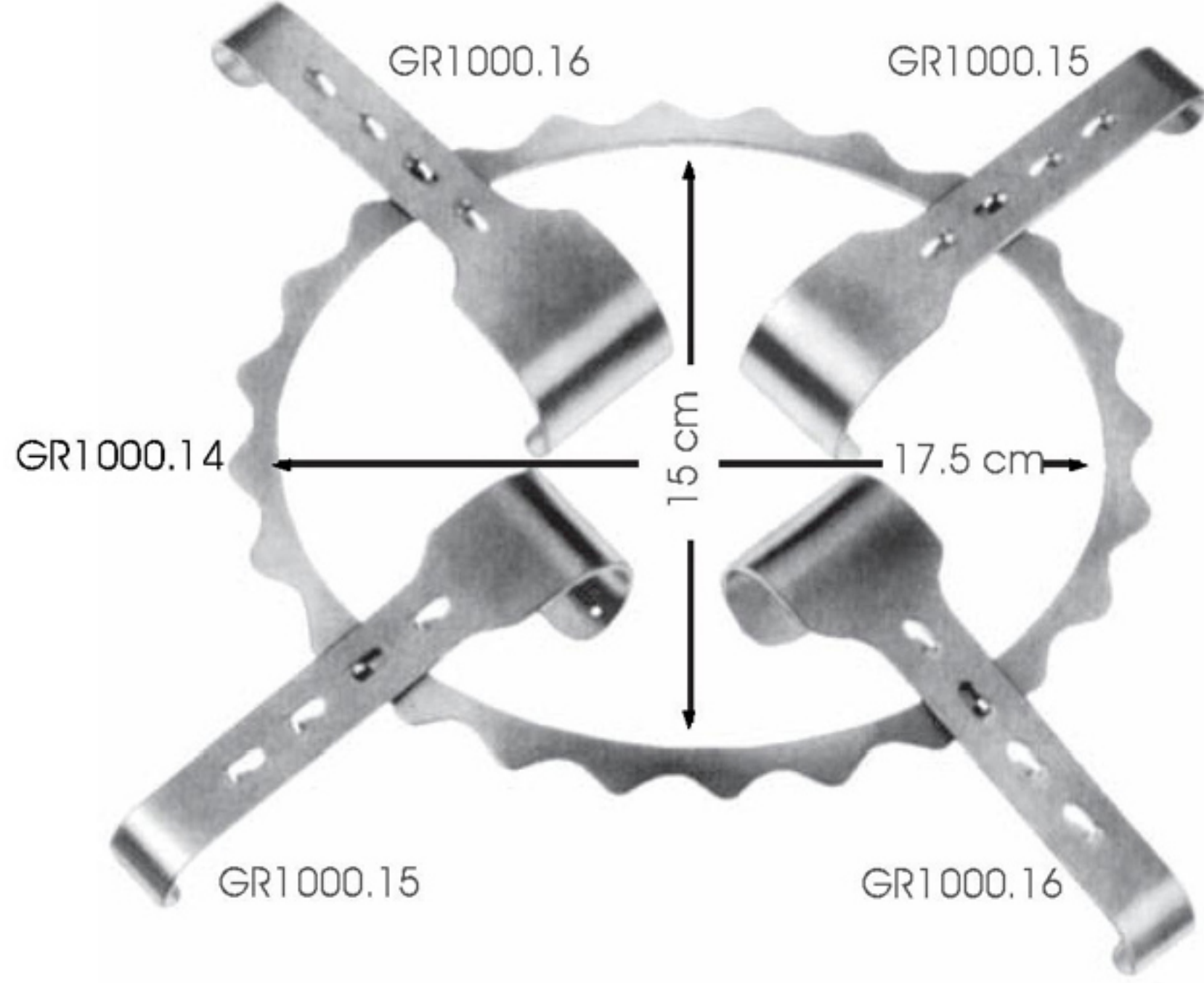
Internal dimensions
240 x 240 mm

KIRSCHNER	
GR884.00	Complete Set
GR889.40	40 x 55 mm 2x
GR889.50	50 x 65 mm 2x

Blade only	
GR889.40	40 x 55 mm
GR889.50	50 x 65 mm
GR889.60	60 x 65 mm
GR889.78	78 x 65 mm
GR889.80	85 x 90 mm



Retractors (Wound Spreaders, self-retaining)



DENNIS-BROWNE
GR1000.13
Komple/Complete

- GR1000.14** 175 x 150 mm Çember/Frame
- GR1000.15** 40 x 30 mm 2 adet bleyd/2 each blades
- GR1000.16** 40 x 40 mm 2 adet bleyd/2 each blades



GR1000.17
1 adet bleyd
1 each blade
20 x 30 mm

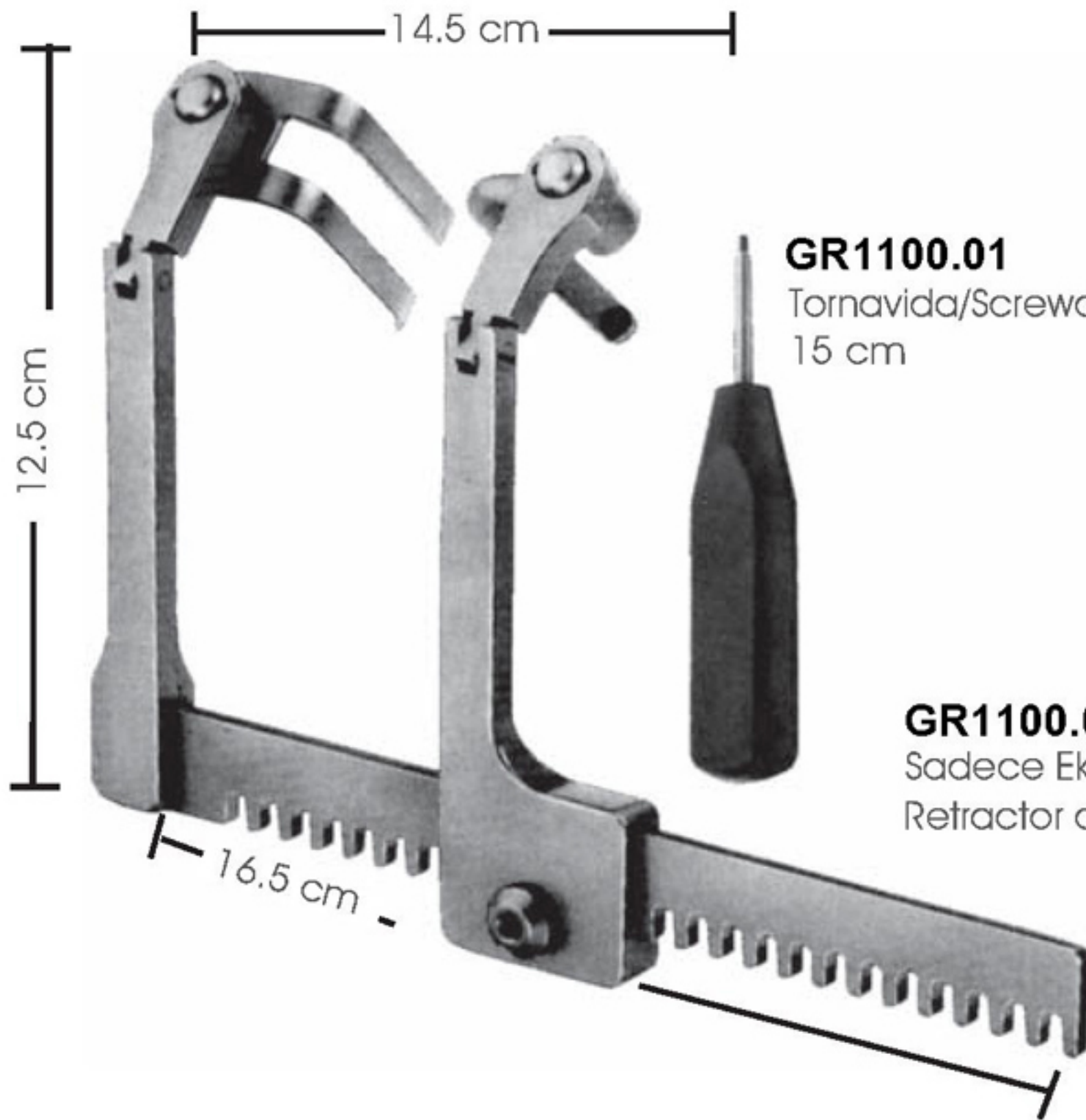


GR1000.73
Kalça ekartörü
Hip retractor



GR1000.74
Zincirli ağırlık
Weight with chain
1 kg

Spinal Ekartör Spine Retractor



GR1100.01
Tornavida/Screwdriver
15 cm

GR1100.00
Sadece Ekartör
Retractor only

CASPAR
GR1000.42 Komple/Complete
GR1100.00 - GR1100.01
GR1100.03-GR1100.09-GR1100.17GR1100.25

Universal spinal ekartör sistemi
Kendinden tutuculu Caspar universal omurga ekartörü,
güvenli bir ekartasyona izin verir ve sökölüp takılabilir saplar
sayesinde operasyon bölgesinde yer kazanırır.

Universal spinal retractor system
The self-retaining Caspar universal spinal retractor permits safe
retraction and saves in the operation area due to the remov-
able handles.



- GR1100.29** 50 x 44 mm
- GR1100.30** 50 x 54 mm
- GR1100.31** 50 x 74 mm
- GR1100.32** 50 x 89 mm



GR1100.28
Ekartörleri yerleştirme kolu
Retractor placing handle



GR1100.02 38 mm
GR1100.03 58 mm
Pimli/Pins



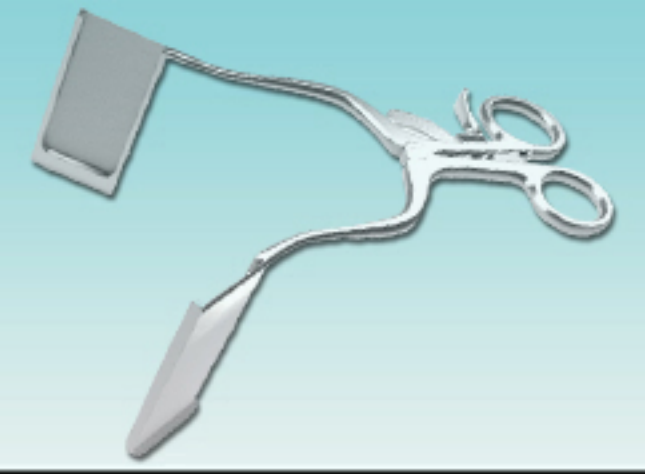
- GR1100.04** 32 x 22 mm
- GR1100.05** 37 x 22 mm
- GR1100.06** 42 x 22 mm
- GR1100.07** 47 x 22 mm
- GR1100.08** 52 x 22 mm
- GR1100.09** 57 x 22 mm
- GR1100.10** 62 x 22 mm
- GR1100.11** 67 x 22 mm



- GR1100.12** 32 x 37 mm
- GR1100.13** 37 x 37 mm
- GR1100.14** 42 x 37 mm
- GR1100.15** 47 x 37 mm
- GR1100.16** 52 x 37 mm
- GR1100.17** 57 x 37 mm
- GR1100.18** 62 x 37 mm
- GR1100.19** 67 x 37 mm



- GR1100.20** 32 x 52 mm
- GR1100.21** 37 x 52 mm
- GR1100.22** 42 x 52 mm
- GR1100.23** 47 x 52 mm
- GR1100.24** 52 x 52 mm
- GR1100.25** 57 x 52 mm
- GR1100.26** 62 x 52 mm
- GR1100.27** 67 x 52 mm

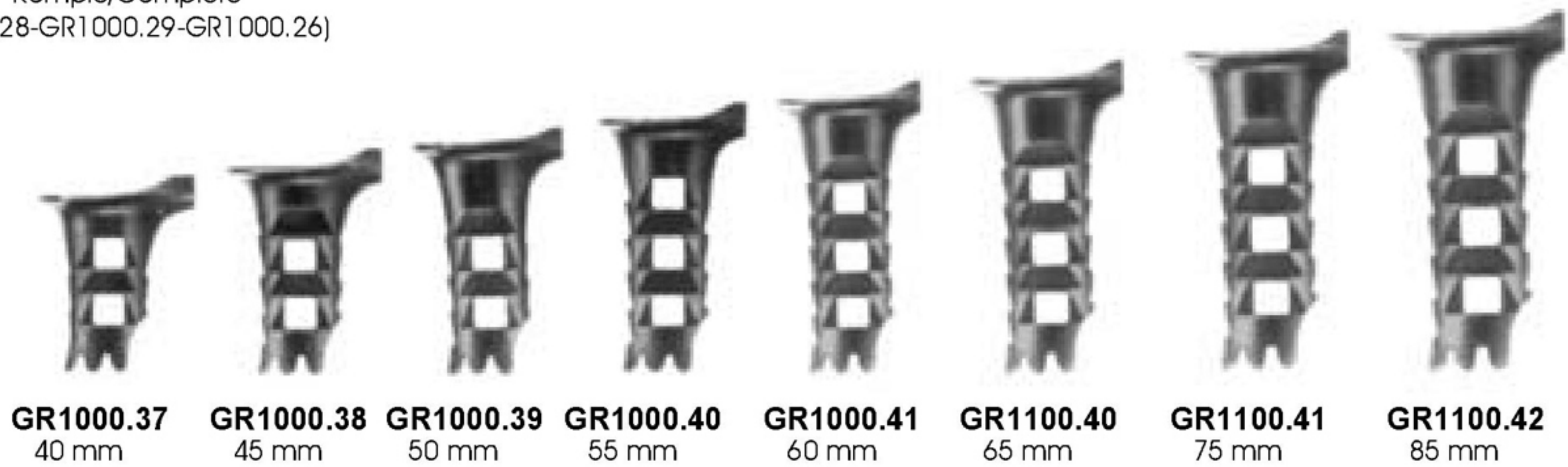


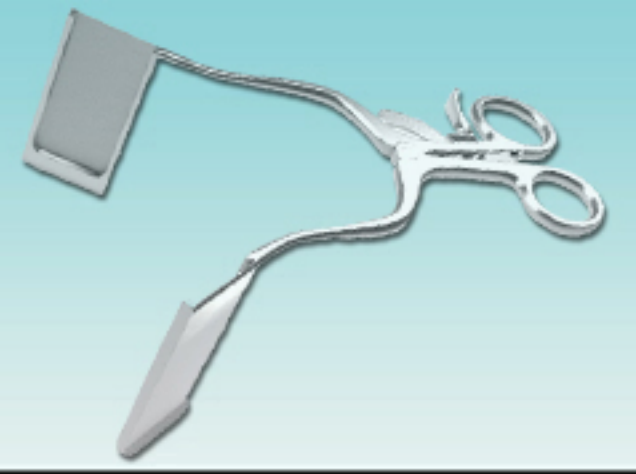
Retractors (Wound Spreaders, self-retaining)

HARD COATED

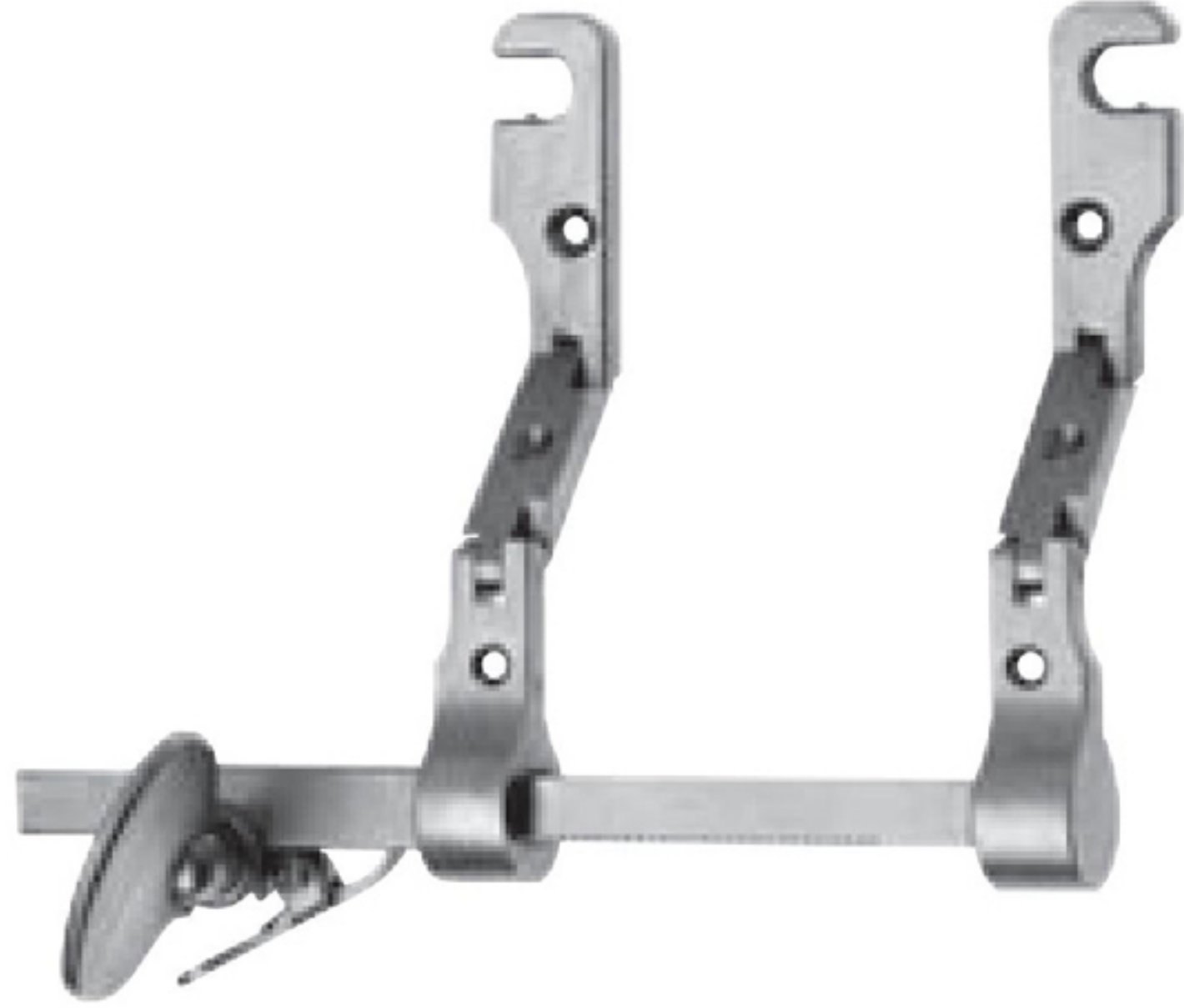


CASPAR
GR1000.27 Komple/Complete
(GR1000.28-GR1000.29-GR1000.26)





Retractors (Wound Spreaders, self-retaining)



GR1100.43
Çift hareketli servikal ekartör
Doble hinged cervical retractor



GR1100.44
Çift hareketli karşı ekartör
Doble hinged retractor used for longitudinal retraction



GR1100.45
Karşı ekartör
Counter retractor



GR1100.46 30 x 24 mm
GR1100.47 35 x 24 mm
GR1100.48 40 x 24 mm
GR1100.49 45 x 24 mm
GR1100.50 50 x 24 mm
GR1100.51 55 x 24 mm
GR1100.52 60 x 24 mm
GR1100.53 65 x 24 mm
GR1100.54 70 x 24 mm
Titanyum orta bleyd
Mediall blades titanium



GR1100.55 30 x 24 mm
GR1100.56 35 x 24 mm
GR1100.57 40 x 24 mm
GR1100.58 45 x 24 mm
GR1100.59 50 x 24 mm
GR1100.60 55 x 24 mm
GR1100.61 60 x 24 mm
GR1100.62 65 x 24 mm
GR1100.63 70 x 24 mm
Titanyum yan bleyd
Lateral blades titanium



GR1100.64 35 x 24 mm
GR1100.65 40 x 24 mm
GR1100.66 45 x 24 mm
GR1100.67 50 x 24 mm
GR1100.68 55 x 24 mm
GR1100.69 60 x 24 mm
GR1100.70 65 x 24 mm
GR1100.71 70 x 24 mm
GR1100.72 75 x 24 mm
Titanyum künt bleyd
Blunt blades titanium



GR1100.73 30 x 24 mm
GR1100.74 35 x 24 mm
GR1100.75 40 x 24 mm
GR1100.76 45 x 24 mm
GR1100.77 50 x 24 mm
GR1100.78 55 x 24 mm
GR1100.79 60 x 24 mm
GR1100.80 65 x 24 mm
GR1100.81 70 x 24 mm
Titanyum orta bleyd
Mediall blades titanium



GR1100.82 30 x 24 mm
GR1100.83 35 x 24 mm
GR1100.84 40 x 24 mm
GR1100.85 45 x 24 mm
GR1100.86 50 x 24 mm
GR1100.87 55 x 24 mm
GR1100.88 60 x 24 mm
GR1100.89 65 x 24 mm
GR1100.90 70 x 24 mm
Titanyum yan bleyd
Lateral blades titanium



GR1100.91 35 x 24 mm
GR1100.92 40 x 24 mm
GR1100.93 45 x 24 mm
GR1100.94 50 x 24 mm
GR1100.95 55 x 24 mm
GR1100.96 60 x 24 mm
GR1100.97 65 x 24 mm
GR1100.98 70 x 24 mm
GR1100.99 75 x 24 mm
Titanyum künt bleyd
Blunt blades titanium



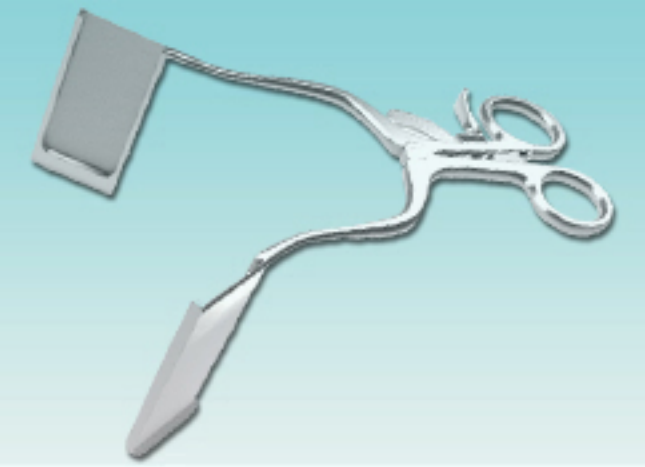
GR1200.00 25 x 19 mm
GR1200.01 30 x 19 mm
GR1200.02 35 x 19 mm
GR1200.03 40 x 19 mm
GR1200.04 45 x 19 mm
GR1200.05 50 x 19 mm
GR1200.06 55 x 19 mm
GR1200.07 60 x 19 mm
Titanyum dişli bleyd
Teeth blades titanium



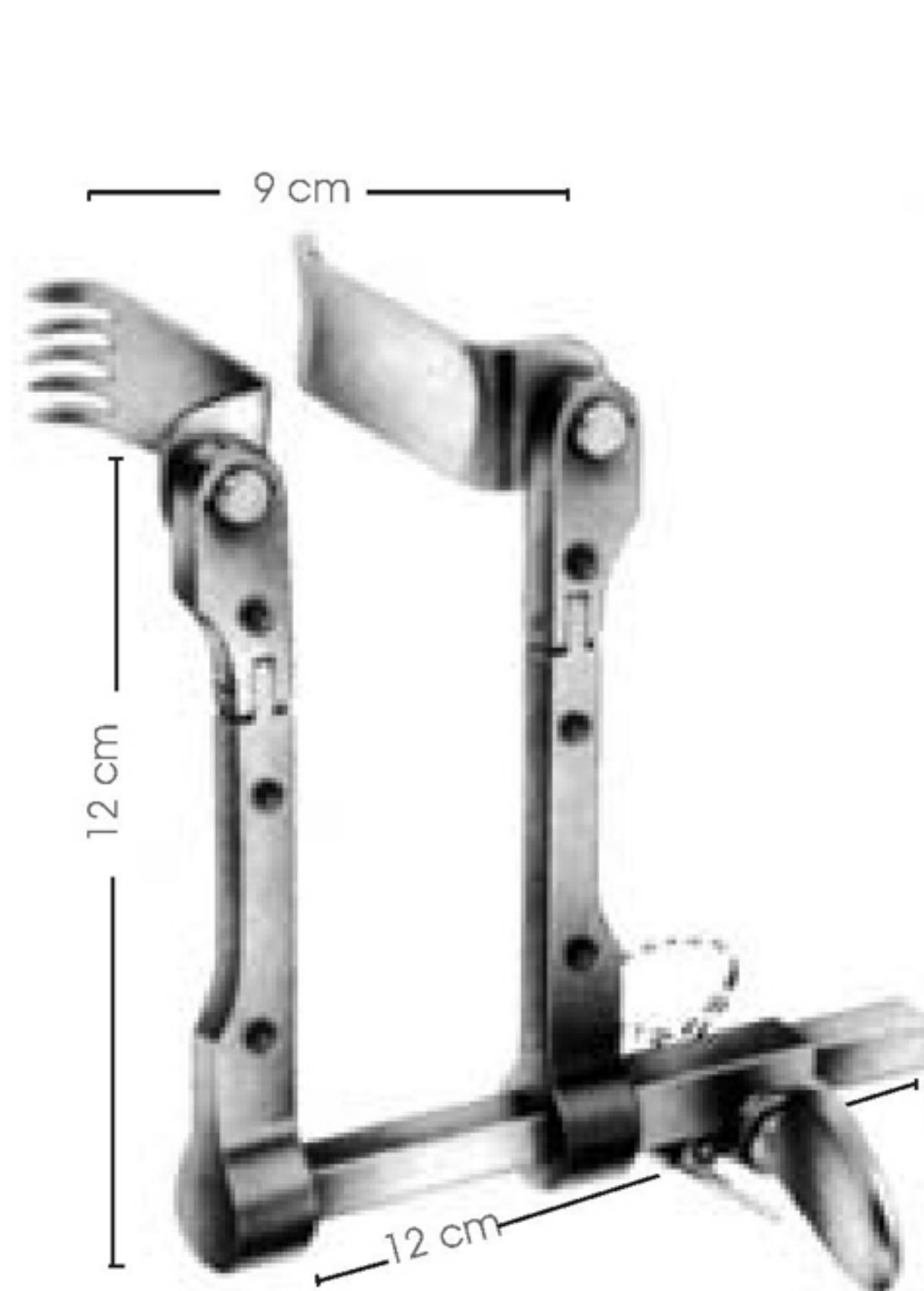
GR1200.08 25 x 19 mm
GR1200.09 30 x 19 mm
GR1200.10 35 x 19 mm
GR1200.11 40 x 19 mm
GR1200.12 45 x 19 mm
GR1200.13 50 x 19 mm
GR1200.14 55 x 19 mm
GR1200.15 60 x 19 mm
Titanyum künt bleyd
Blunt blades titanium



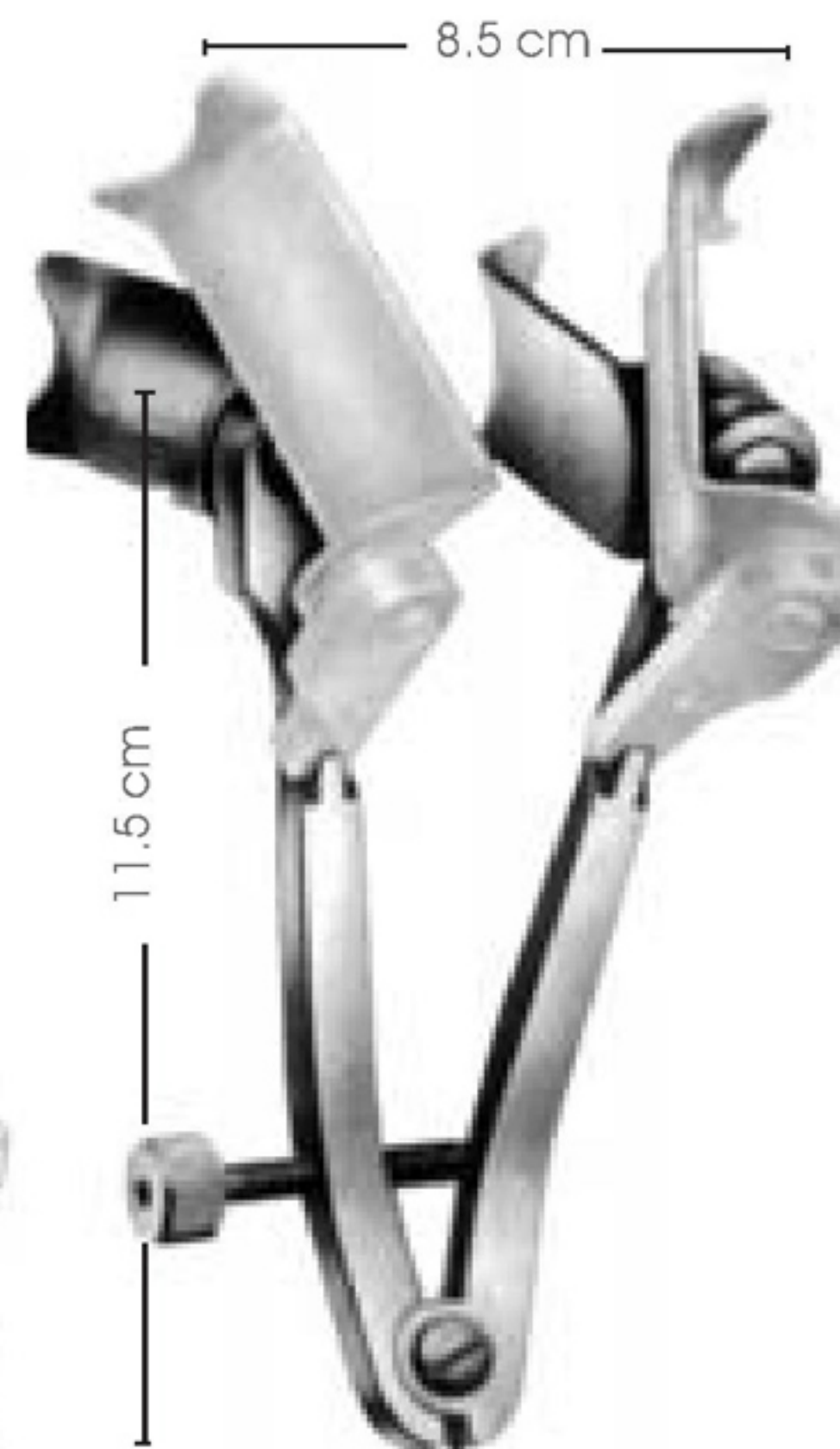
GR1200.16
Bleyd tutucu elçek
Handle for blades with side load attachment



Retractors (Wound Spreaders, self-retaining)



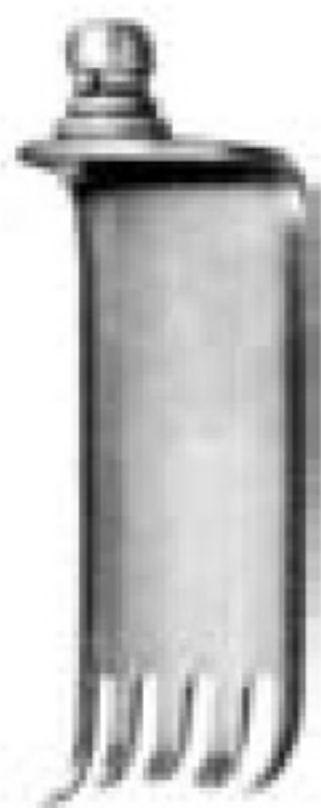
CASPAR
GR1000.45
GR1200.17 Sadece ekartör/Retractor only
(GR1200.24-GR1200.27)



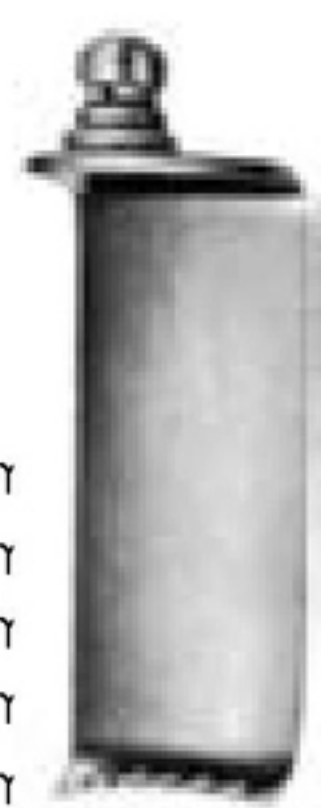
CASPAR
GR1000.46
GR1200.17A Sadece ekartör/Retractor only
(GR1200.28-GR1200.33)



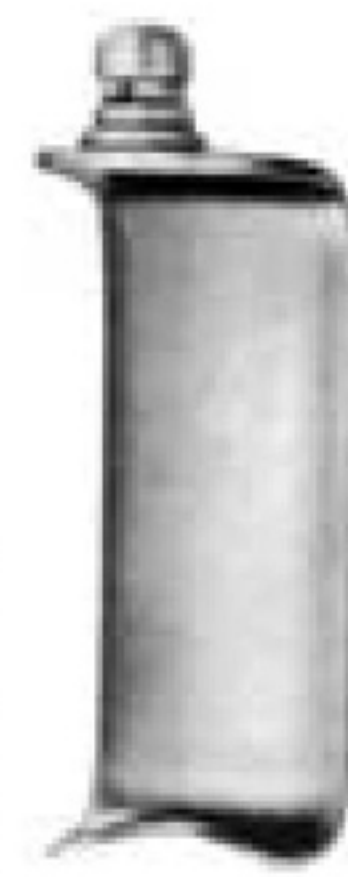
CASPAR
GR1000.47
GR1200.17B Sadece ekartör/Retractor only
(GR1200.28-GR1200.33)



GR1200.18 40 x 23 mm
GR1200.19 45 x 23 mm
GR1200.20 50 x 23 mm
GR1200.21 55 x 23 mm
GR1200.22 60 x 23 mm



GR1200.23 40 x 23 mm
GR1200.24 45 x 23 mm
GR1200.25 50 x 23 mm
GR1200.26 55 x 23 mm
GR1200.27 60 x 23 mm



GR1200.28 40 x 23 mm
GR1200.29 45 x 23 mm
GR1200.30 50 x 23 mm
GR1200.31 55 x 23 mm
GR1200.32 60 x 23 mm
GR1200.33 65 x 23 mm



GR1200.34 40 x 25 mm
GR1200.35 45 x 25 mm
GR1200.36 50 x 25 mm
GR1200.37 55 x 25 mm
GR1200.38 60 x 25 mm



GR1200.39 40 x 25 mm
GR1200.40 45 x 25 mm
GR1200.41 50 x 25 mm
GR1200.42 55 x 25 mm
GR1200.43 60 x 25 mm



GR1200.44 30 x 24 mm
GR1200.45 35 x 24 mm
GR1200.46 40 x 24 mm
GR1200.47 45 x 24 mm
GR1200.48 50 x 24 mm
GR1200.49 55 x 24 mm
GR1200.50 60 x 24 mm
GR1200.51 65 x 24 mm
GR1200.52 70 x 24 mm
GR1200.53 75 x 24 mm

Titanyum bleyd
Titanium blades



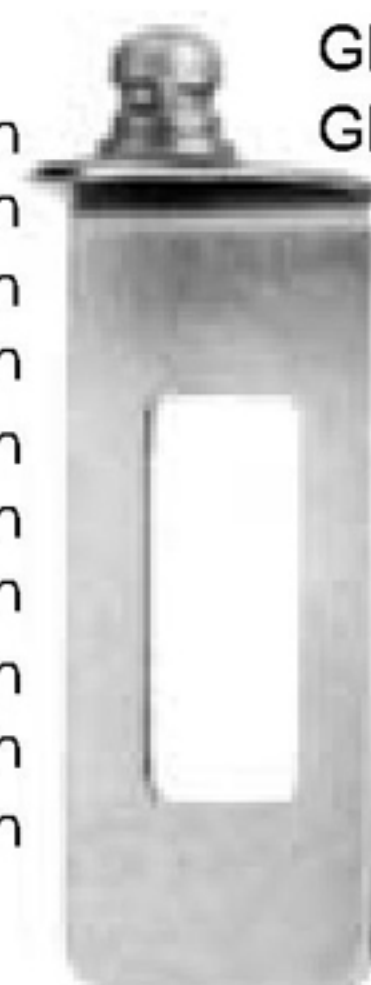
GR1200.54 25 x 24 mm
GR1200.55 30 x 24 mm
GR1200.56 35 x 24 mm
GR1200.57 40 x 24 mm
GR1200.58 45 x 24 mm
GR1200.59 50 x 24 mm
GR1200.60 55 x 24 mm
GR1200.61 60 x 24 mm
GR1200.62 65 x 24 mm
GR1200.63 70 x 24 mm

Titanyum bleyd
Titanium blades

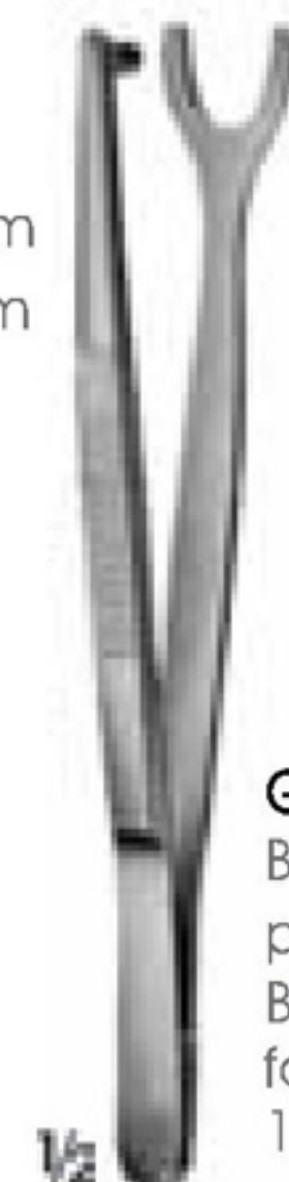


GR1200.64 25 x 24 mm
GR1200.65 30 x 24 mm
GR1200.66 35 x 24 mm
GR1200.67 40 x 24 mm
GR1200.68 45 x 24 mm
GR1200.69 50 x 24 mm
GR1200.70 55 x 24 mm
GR1200.71 60 x 24 mm
GR1200.72 65 x 24 mm
GR1200.73 70 x 24 mm

Titanyum bleyd
Titanium blades



GR1200.74 50 x 25 mm
GR1200.75 60 x 25 mm



GT1200.75
Bleyd tutma
pensi
Blade ejector
forcep
11.5 cm