

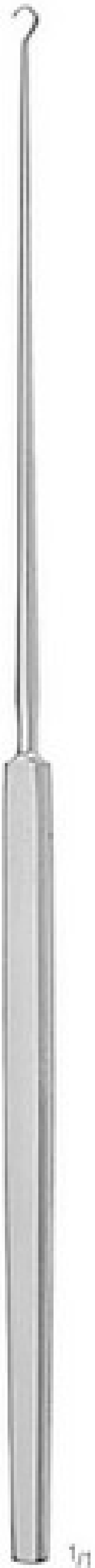
WUNDHAKEN
RETRACTORS
SEPARADORES
ECARTEURS
DIVARICATORI

AK

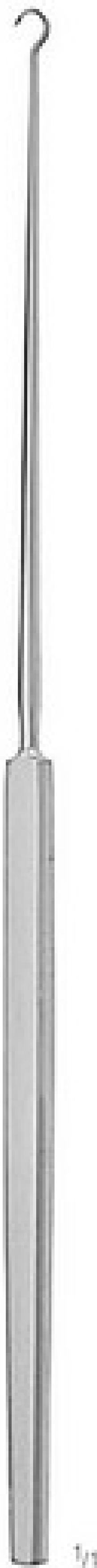
nopa[®] instruments



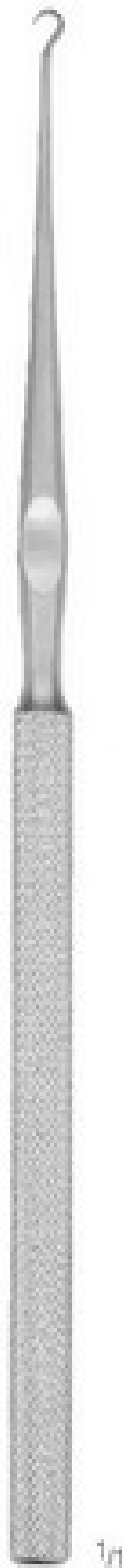
Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili



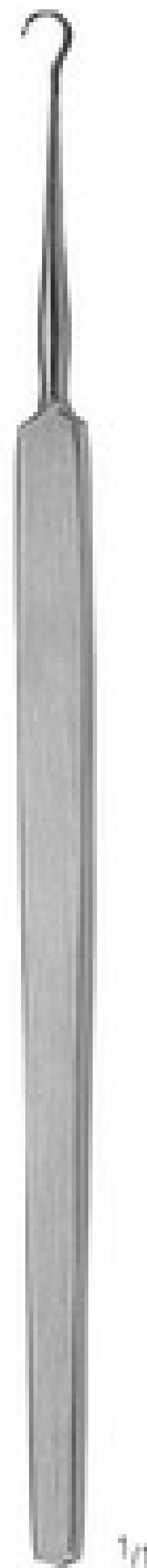
GILLIES
AK 020/01
18,0 cm/7"



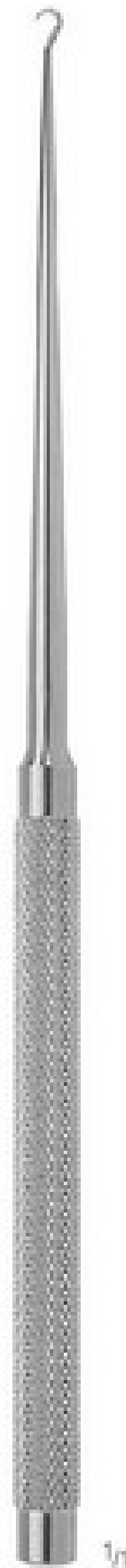
GILLIES
AK 020/02
18,0 cm/7"



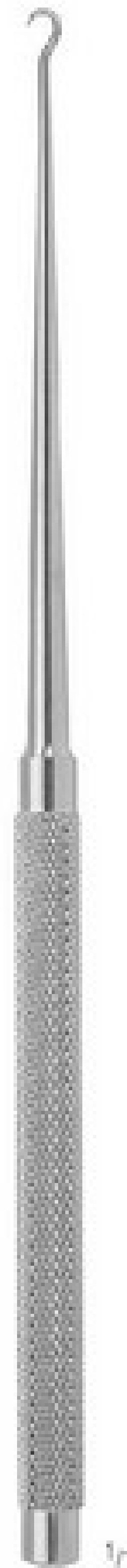
KILNER
AK 022/15
15,0 cm/6"



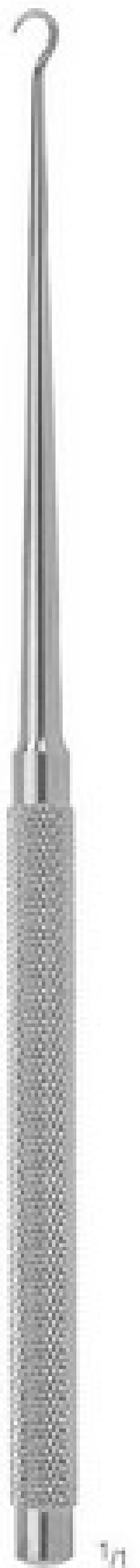
FRAZIER
AK 024/13
13,0 cm/5"



AK 026/01



KLEINERT-KUTZ
AK 026/02
16,0 cm/6¹/₄"



AK 026/03

WUNDHAKEN RETRACTORS SEPARADORES ECARTEURS DIVARICATORI

Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili

AA

AB

AC

AD

AE

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AK

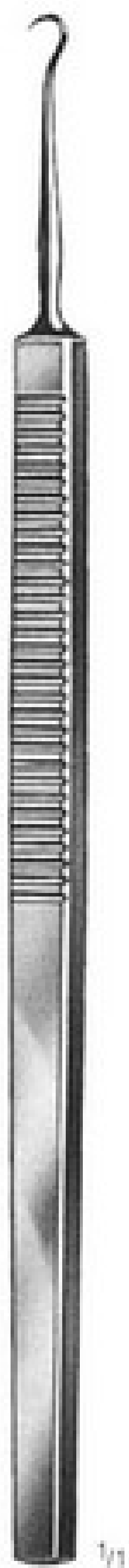
AL

AM

AO

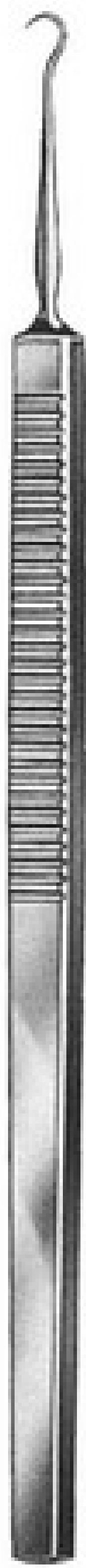
AP

AR



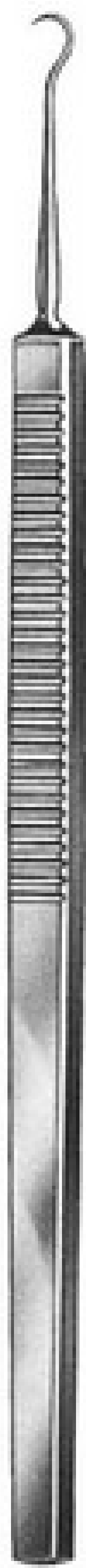
1/1

AK 028/01
16,0 cm/6 1/4"



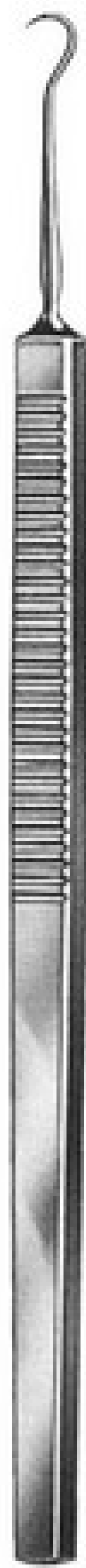
1/1

AK 028/02
16,0 cm/6 1/4"



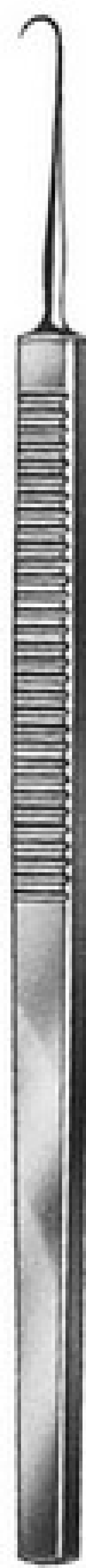
1/1

AK 028/03
16,0 cm/6 1/4"



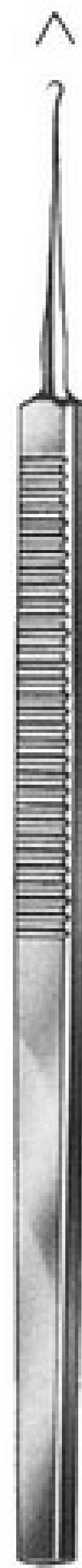
1/1

AK 028/04
16,0 cm/6 1/4"



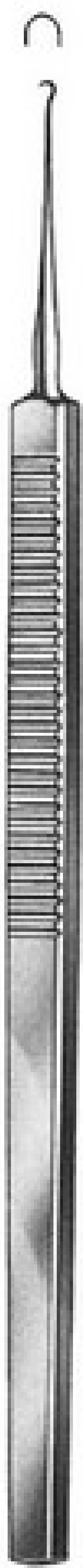
1/1

O' CONNOR
AK 030/16
16,0 cm/6 1/4"



1/1

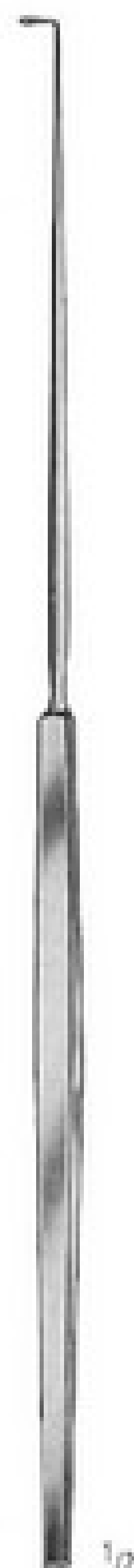
GRAEFE
AK 032/01
16,0 cm/6 1/4"



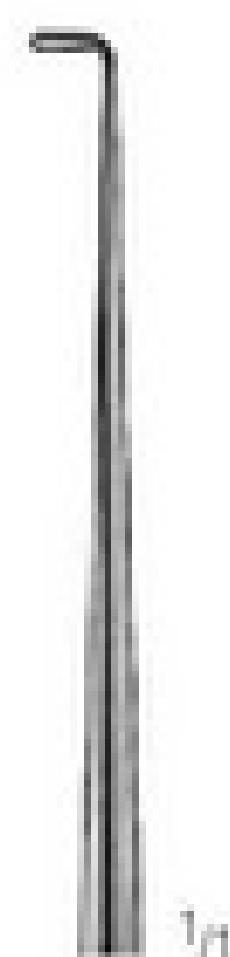
1/1

GRAEFE
AK 032/02
16,0 cm/6 1/4"

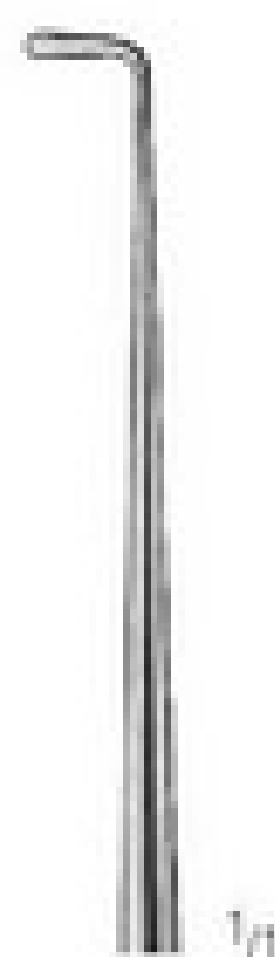
Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili



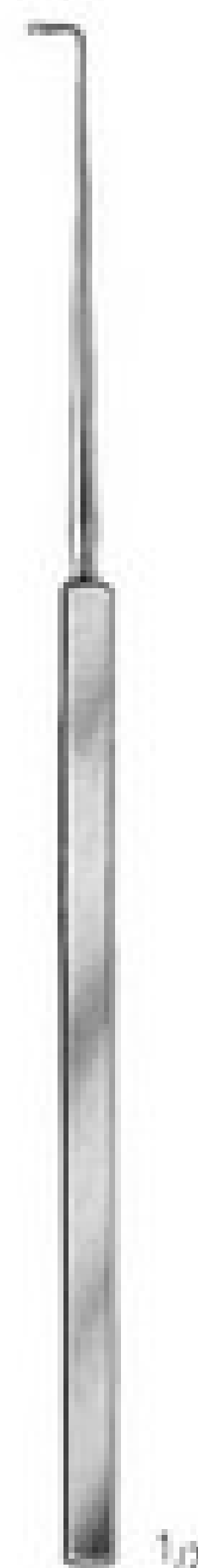
CUSHING
28,0 cm/11"



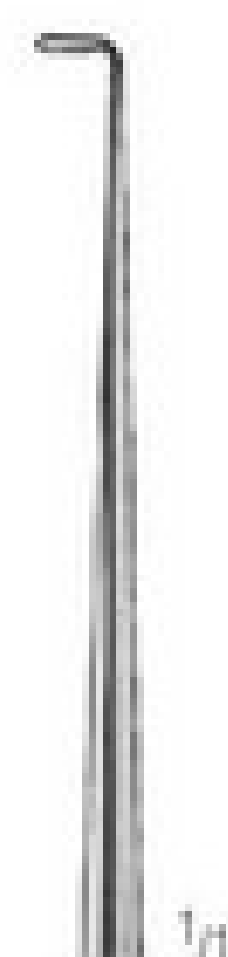
AK 034/01



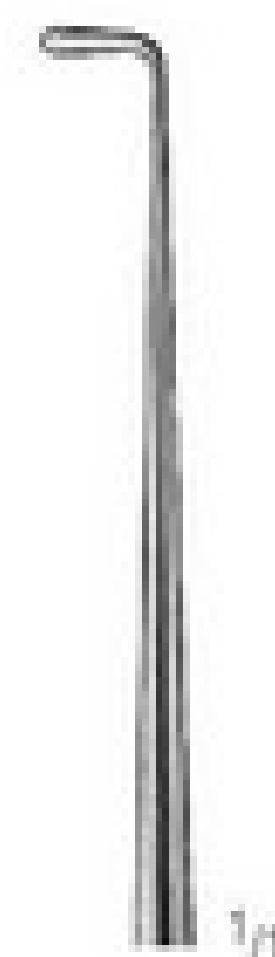
AK 034/02



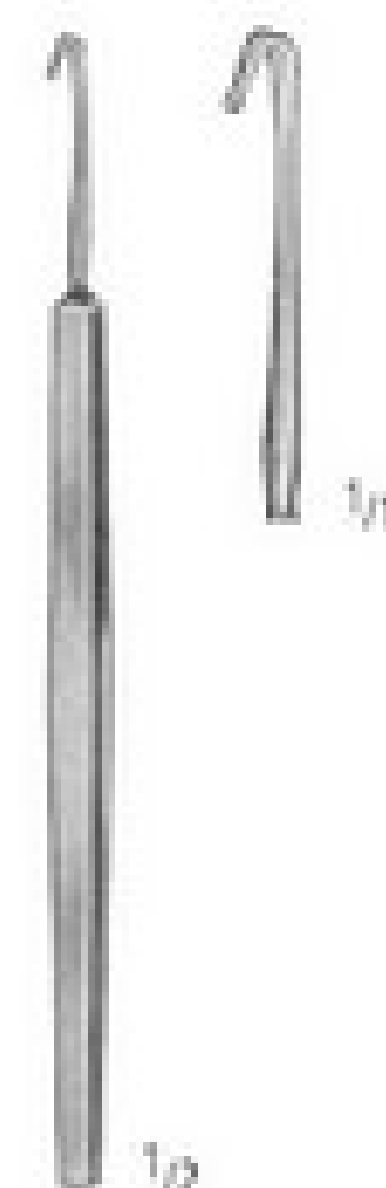
CUSHING
19,0 cm/7 1/2"



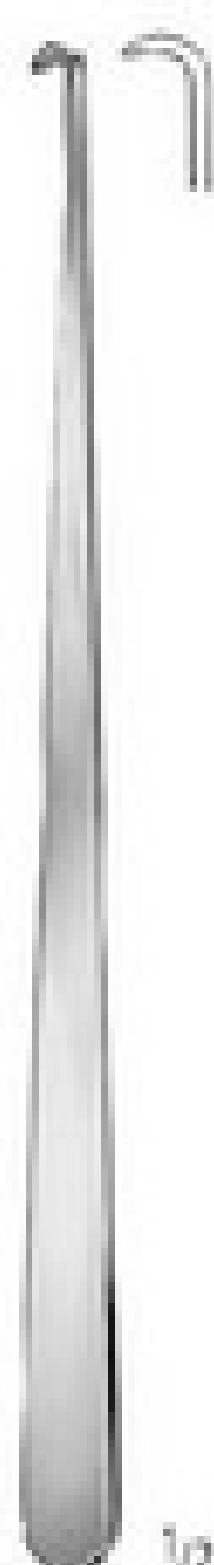
AK 036/01



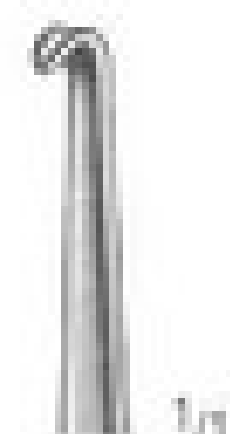
AK 036/02



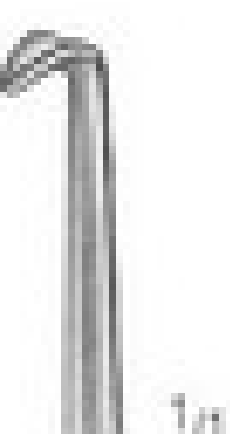
MOLDESTAD
AK 038/13
13,0 cm/5"



17,0 cm/6 3/4"



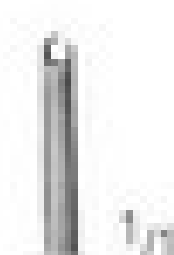
AK 040/05
5 mm



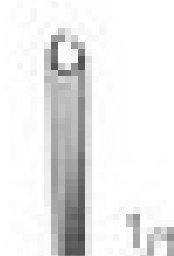
AK 040/07
7 mm



18,5 cm/7 1/8"



AK 042/10
Ø 1,0 mm



AK 042/12
Ø 1,2 mm



AK 044/11
11,0 cm/4 1/8"

WUNDHAKEN RETRACTORS SEPARADORES ECARTEURS DIVARICATORI

Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili



AK 050/01



AK 051/01



AK 052/01



AK 050/02



AK 051/02



AK 052/02



AK 050/03



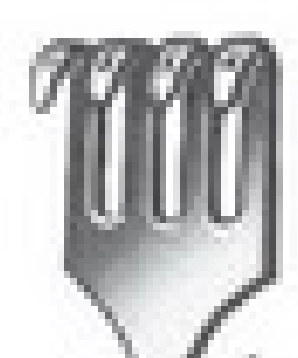
AK 051/03



AK 052/03



AK 050/04



AK 051/04



AK 052/04



AK 060/01



AK 062/01



AK 060/02



AK 062/02



AK 060/03



AK 062/03



AK 060/04



AK 062/04

AA

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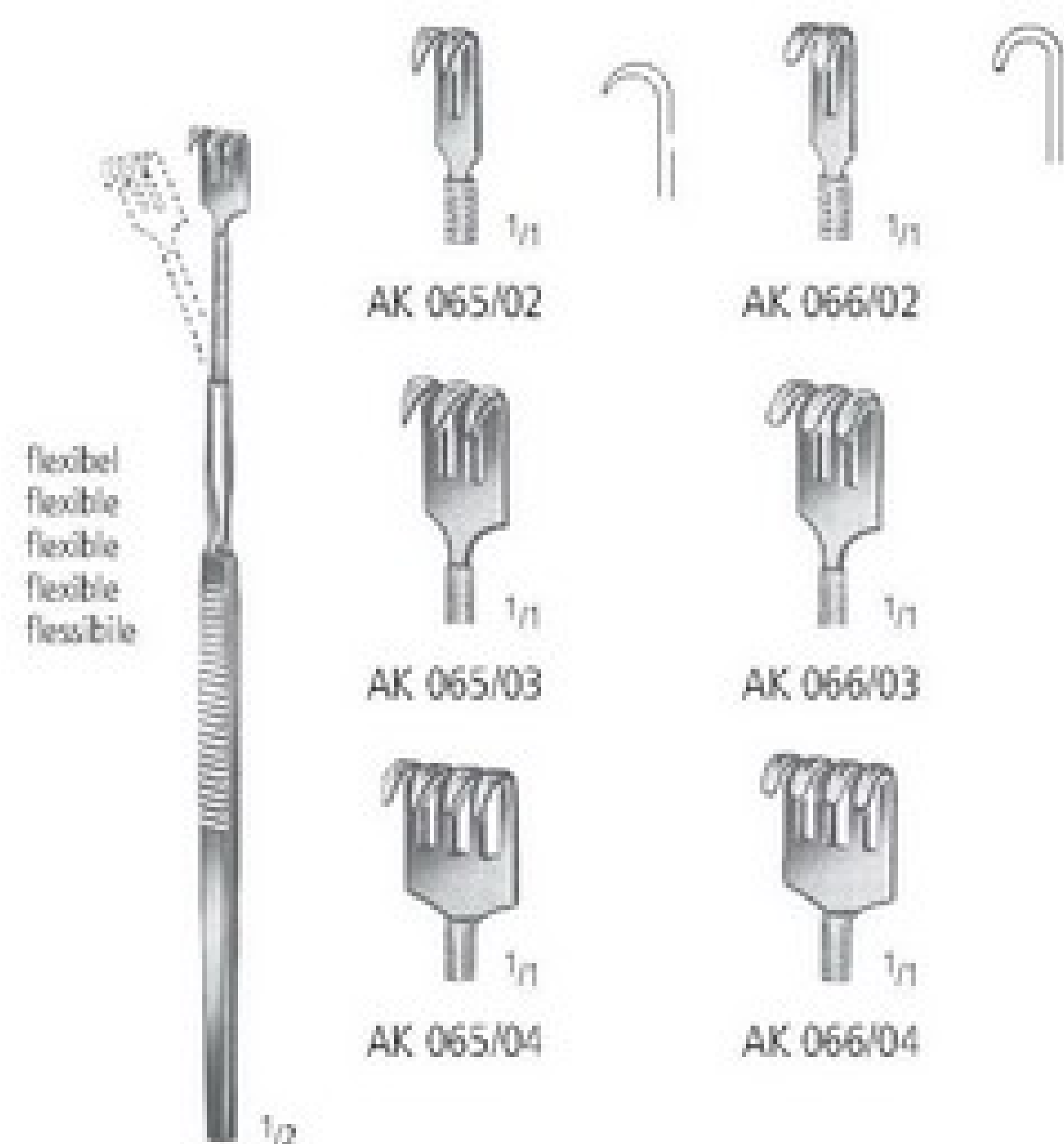
AM

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AP

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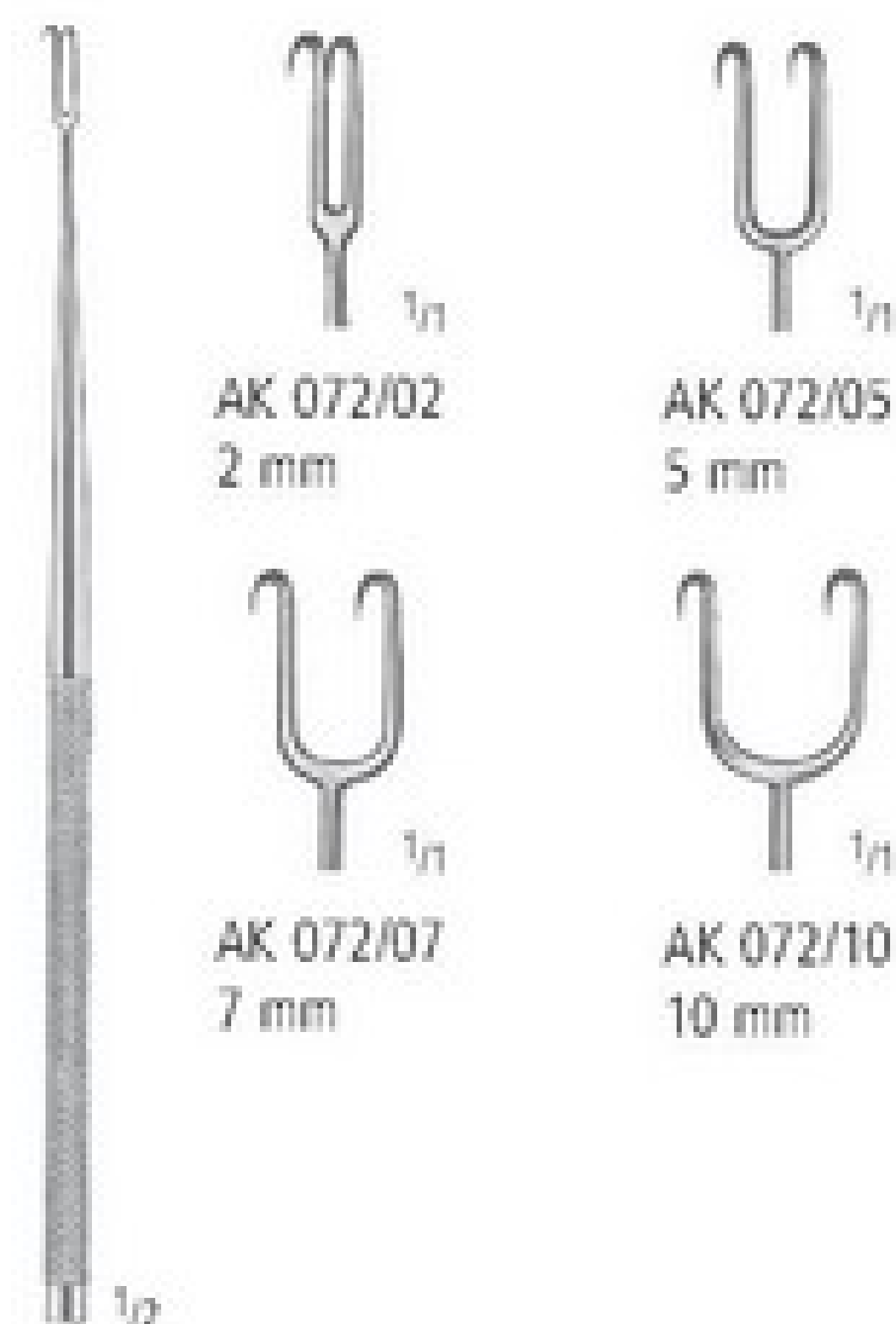
Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili



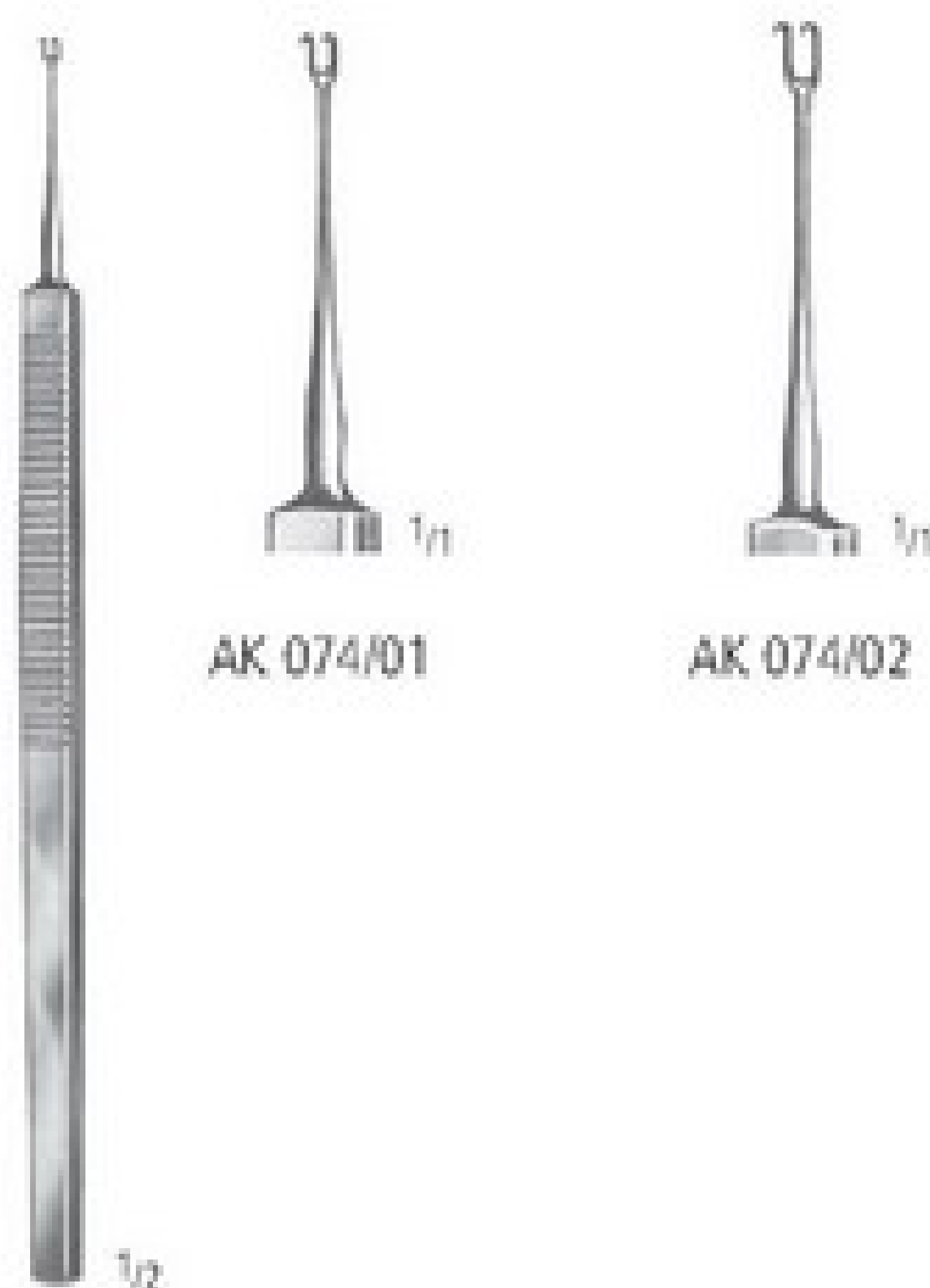
16,0 cm/6 1/4"



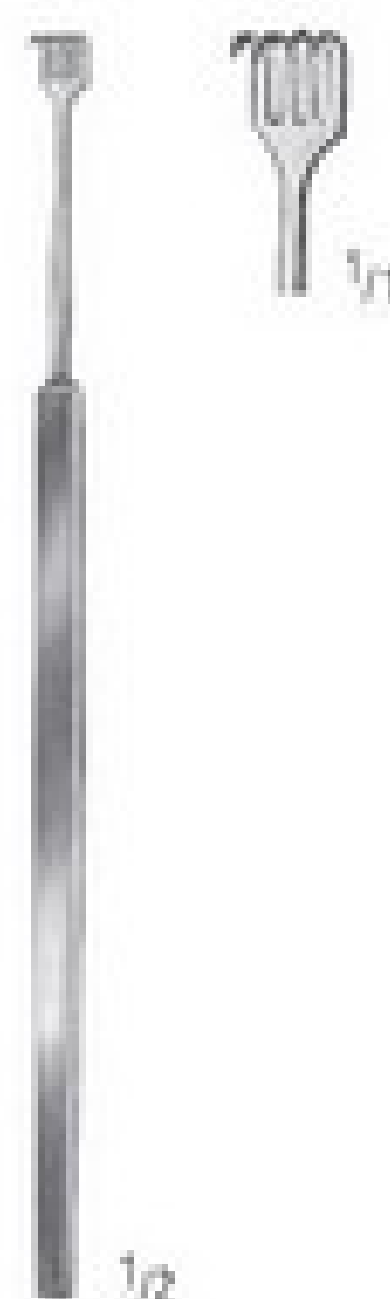
JOSEPH
AK 070/16
16,0 cm/6 1/4"



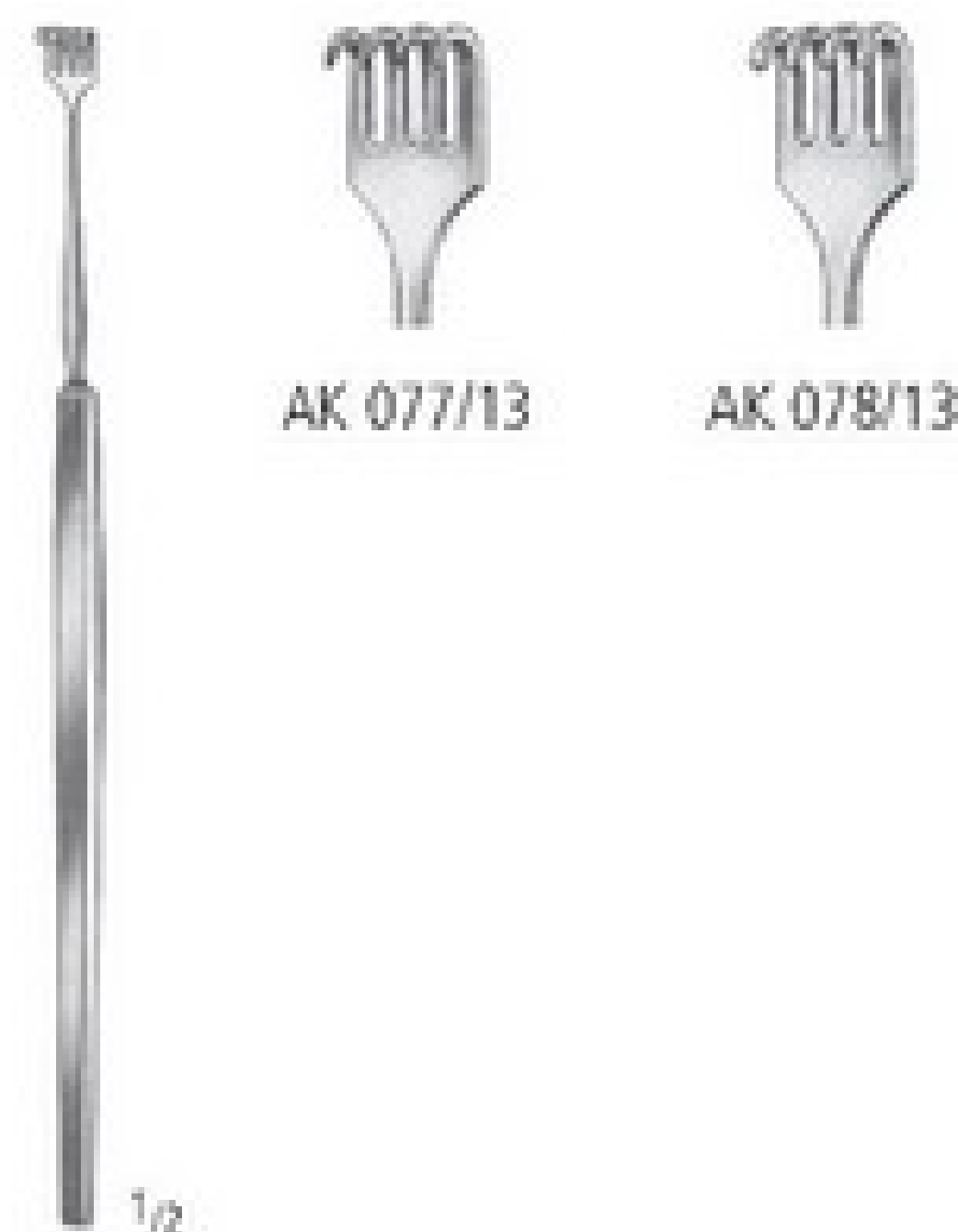
JOSEPH
16,0 cm/6 1/4"



GUTHRIE
16,0 cm/6 1/4"



ROLLET
AK 076/13
13,0 cm/5"



KNAPP
13,0 cm/5"

WUNDHAKEN RETRACTORS SEPARADORES ECARTEURS DIVARICATORI

Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili

AA

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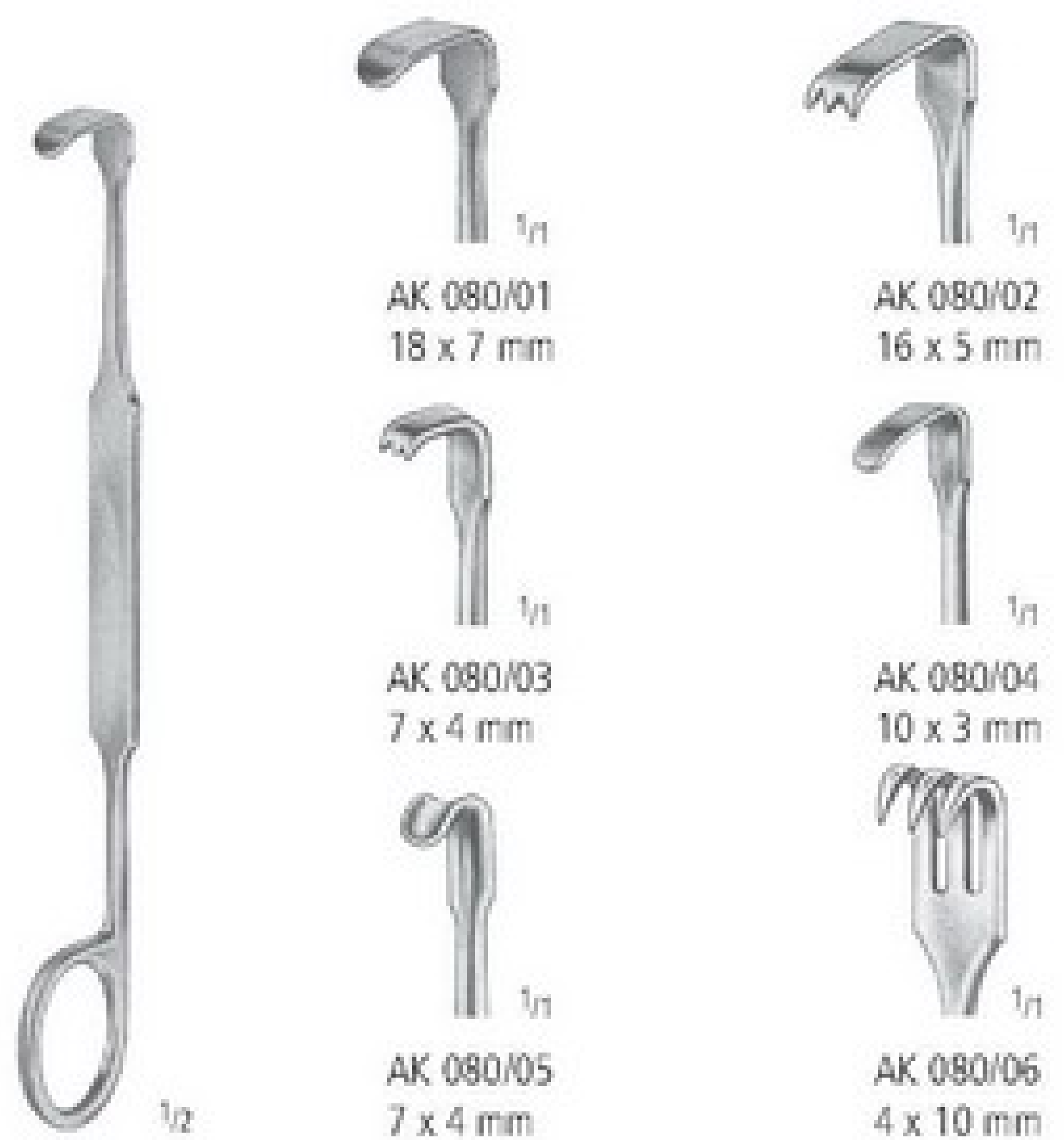
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MEYERDING
18,0 cm/7"



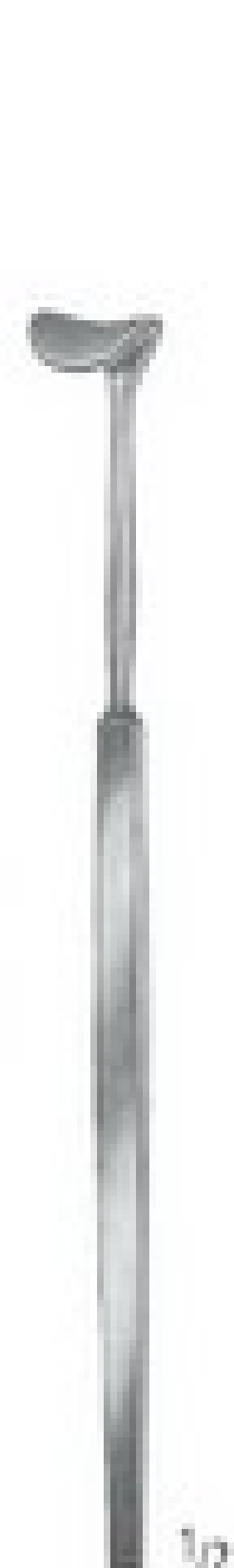
SENN-GREEN
15,0 cm/6"



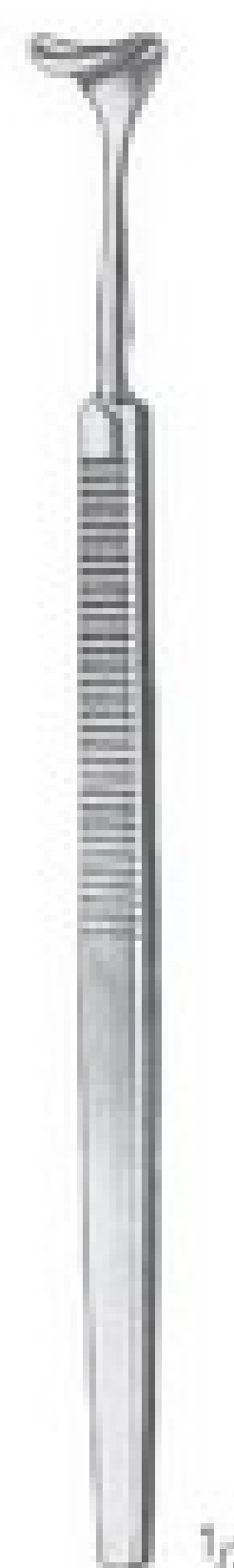
MINI-LANGENBECK
16,0 cm/6 1/4"

AK WUNDHAKEN RETRACTORS SEPARADORES ECARTEURS DIVARICATORI

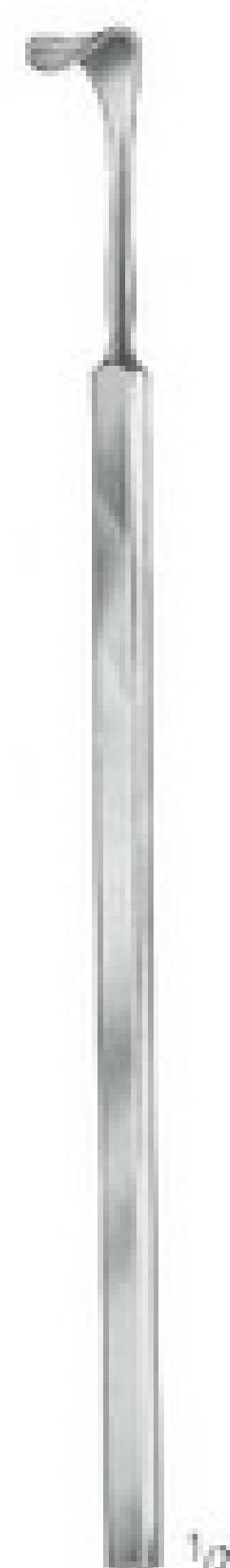
Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili



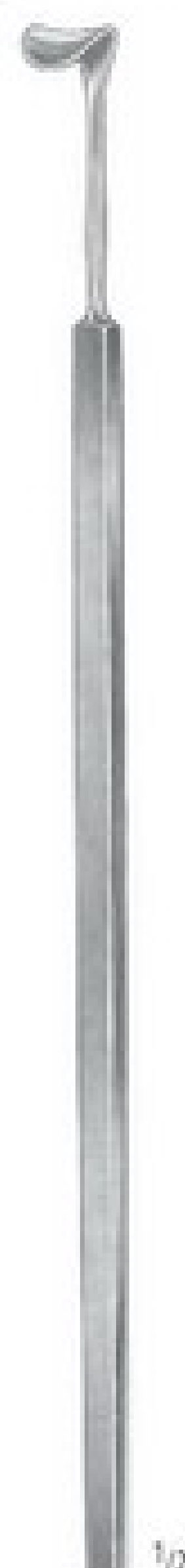
DESMARRES
13,0 cm/5"



DESMARRES
16,0 cm/6 1/4"



CUSHING
20,0 cm/8"



CUSHING
24,0 cm/9 1/2"



WUNDHAKEN RETRACTORS SEPARADORES ECARTEURS DIVARICATORI

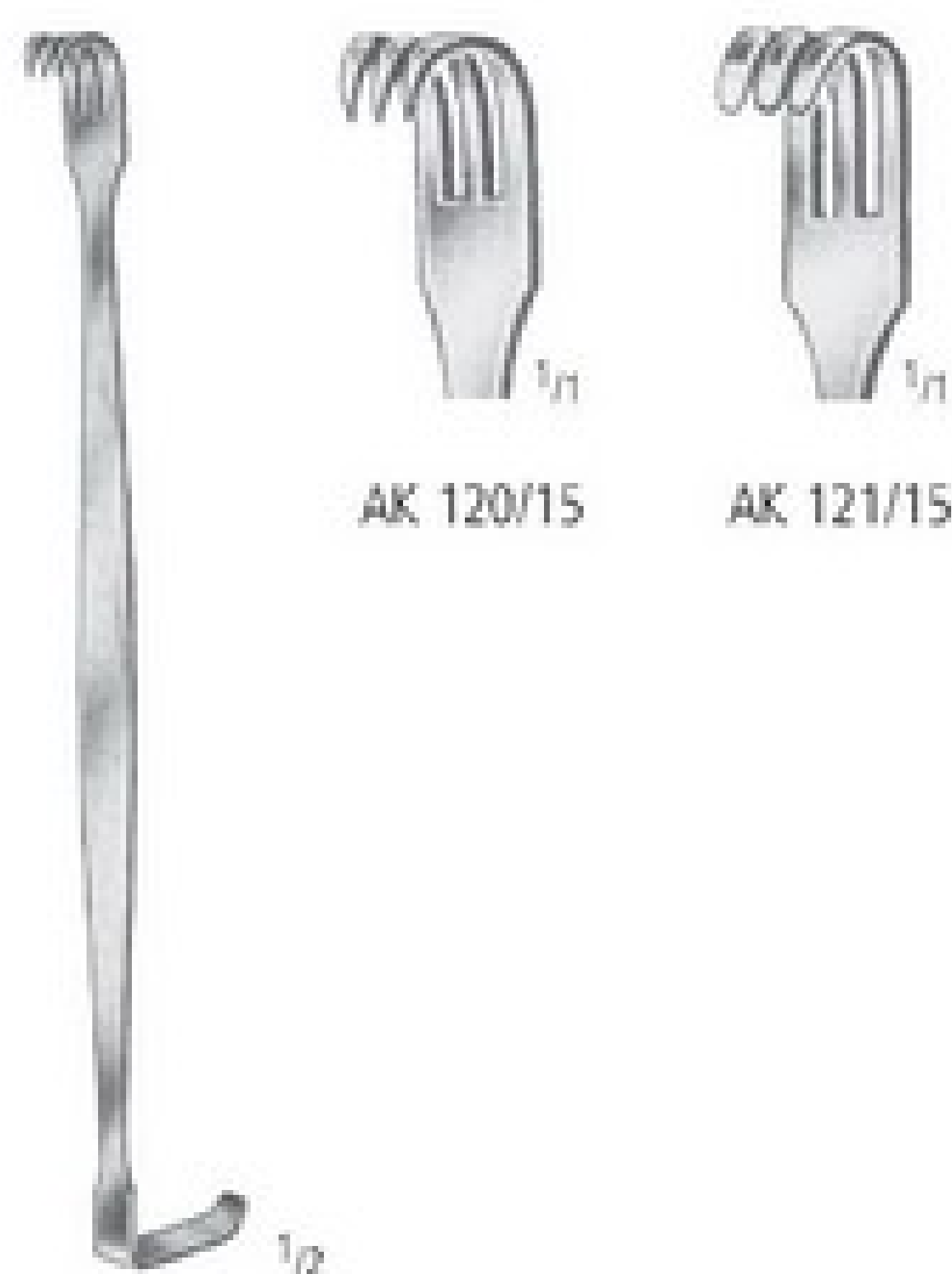
Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili



AA
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AP
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AK WUNDHAKEN RETRACTORS SEPARADORES ECARTEURS DIVARICATORI

Feine Wundhaken, Spinalhaken
Delicate Retractors, Spinal Retractors
Separadores finas, Separadores espinales
Ecarteurs fins, Ecarteurs spinaux
Divaricatori sottili, Divaricatori spinali



BABY-SENN-MILLER
15,0 cm/6"



SENN-MILLER
16,0 cm/6 1/4"



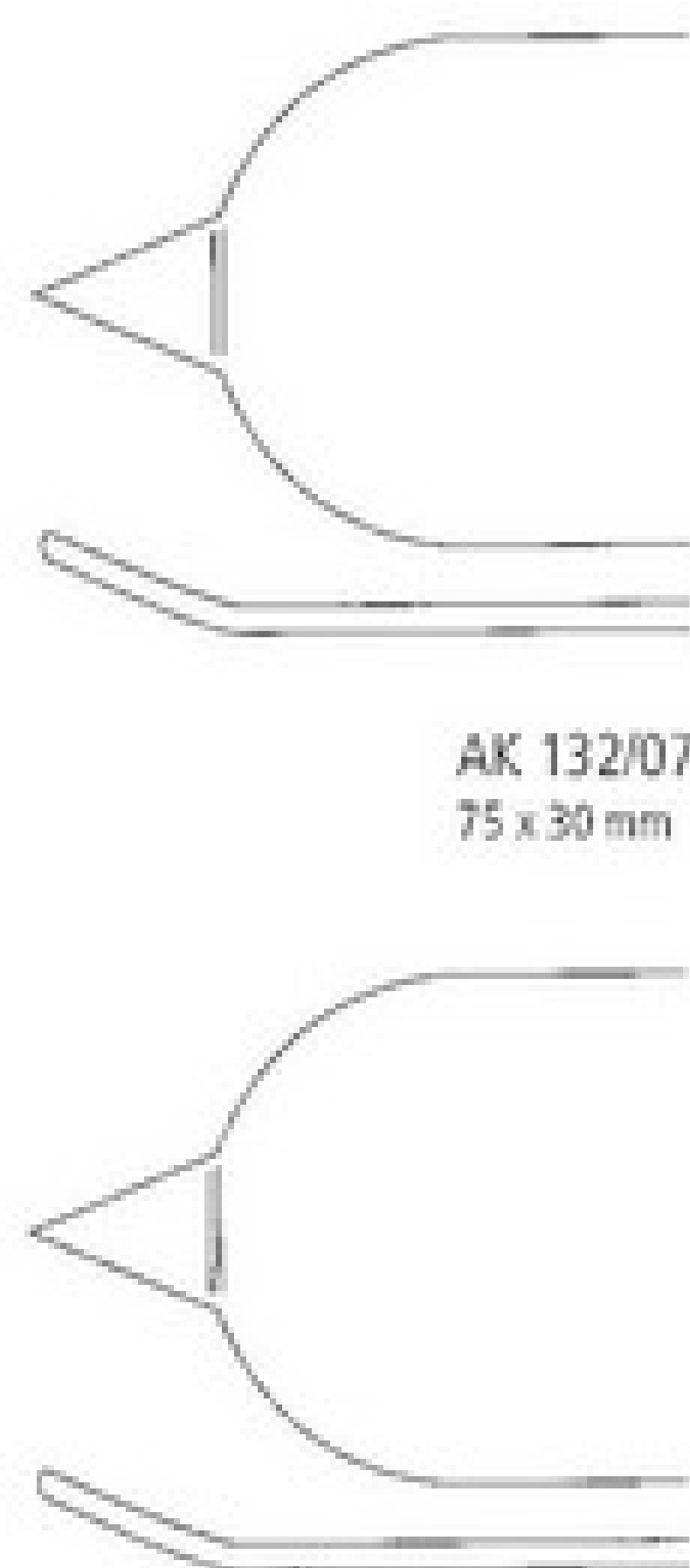
RAGNELL-DAVIS
AK 125/14
14,0 cm/5 1/2"



CUSHING
AK 130/20
20,0 cm/8"



TAYLOR
16,5 cm/6 1/2"



AK 132/07
75 x 30 mm

AK 132/10
100 x 30 mm

WUNDHAKEN RETRACTORS SEPARADORES ECARTEURS DIVARICATORI

AA

AB

AC

AD

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AF

AK

AL

AM

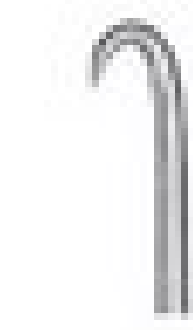
AO

AP

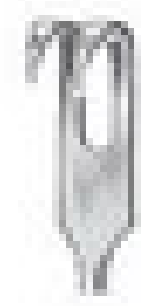
AR



VOLKMANN
21,5 cm/8 1/2"



AK 150/01



AK 150/02



AK 150/03



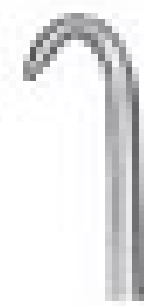
AK 150/04



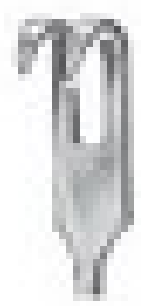
AK 150/06



1/1



AK 151/01



AK 151/02



AK 151/03



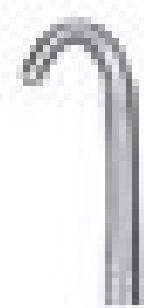
AK 151/04



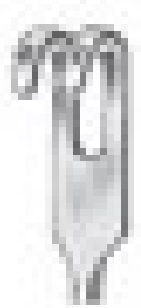
AK 151/06



1/1



AK 152/01



AK 152/02



AK 152/03



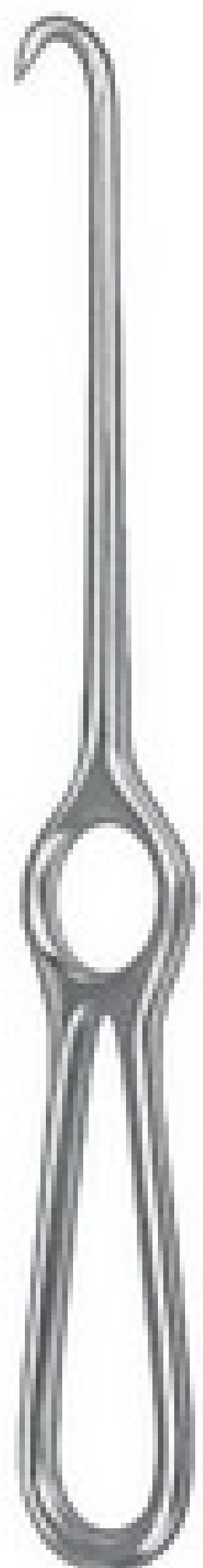
AK 152/04



AK 152/06



1/1



KOCHER
22,0 cm/8 3/4"



AK 160/01



AK 160/02



AK 160/03



AK 160/04



AK 160/06



AK 160/08



1/1



AK 161/01



AK 161/02



AK 161/03



AK 161/04



AK 161/06



AK 161/08



1/1



AK 162/01



AK 162/02



AK 162/03



AK 162/04



AK 162/06



AK 162/08

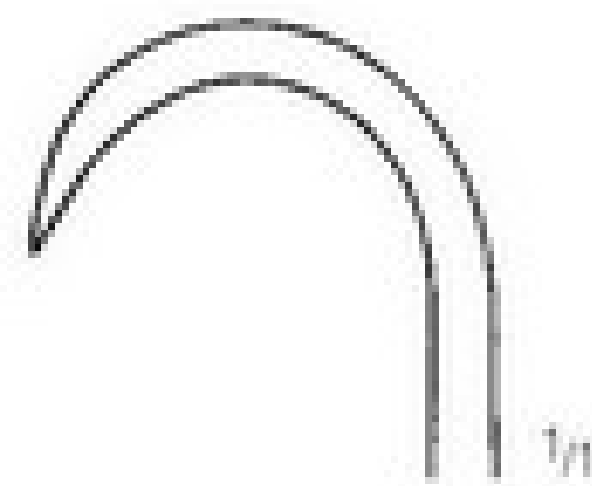


1/1



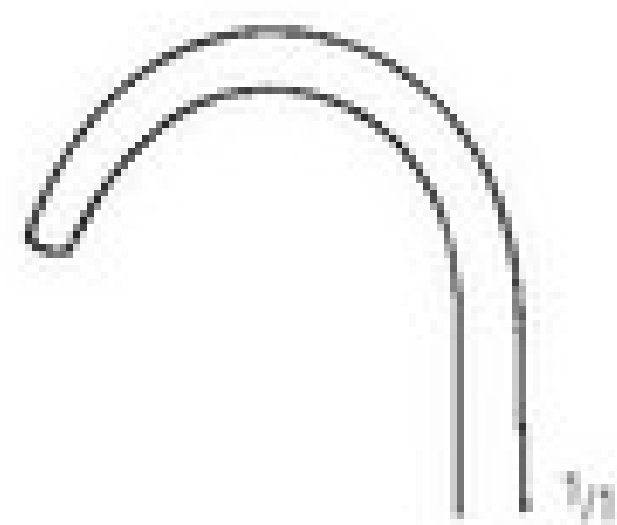
1/2

VOLKMANN
21,5 cm/8 1/2"



1/1

AK 170/21



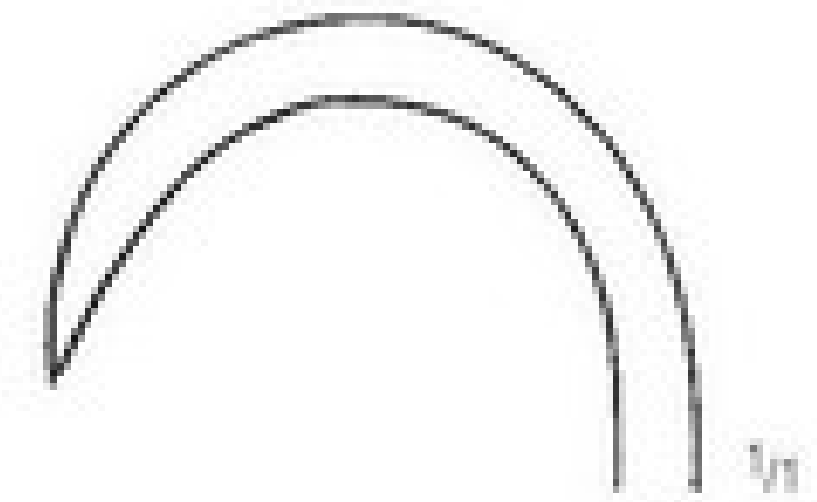
1/1

AK 171/21



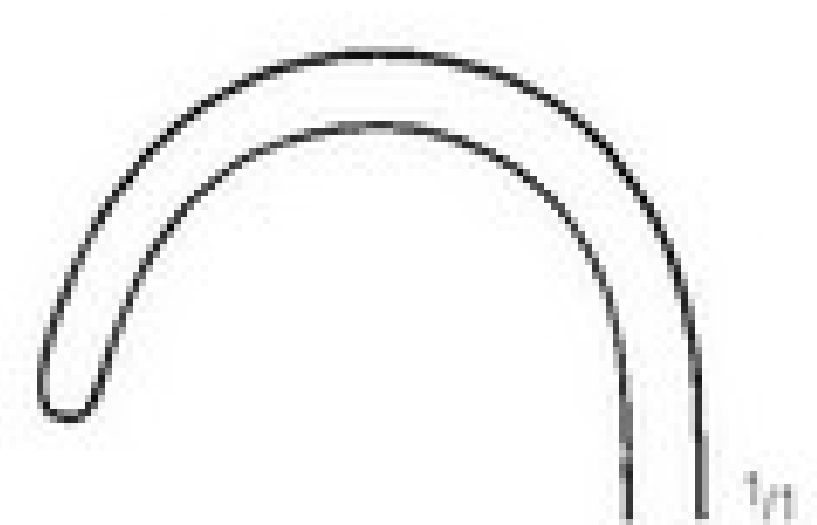
1/2

AK 172/20
20,0 cm/8"



1/1

AK 173/20
20,0 cm/8"



1/1



1/2

KOERTE
24,0 cm/9 1/2"



1/1

AK 180/08
26 x 40 mm



1/1

AK 181/08
26 x 40 mm



1/2

BILLROTH
25,0 cm/10"

AK 185/35
35 x 40 mm



1/2

AK 185/43
43 x 35 mm



1/2

AK 185/45
45 x 50 mm



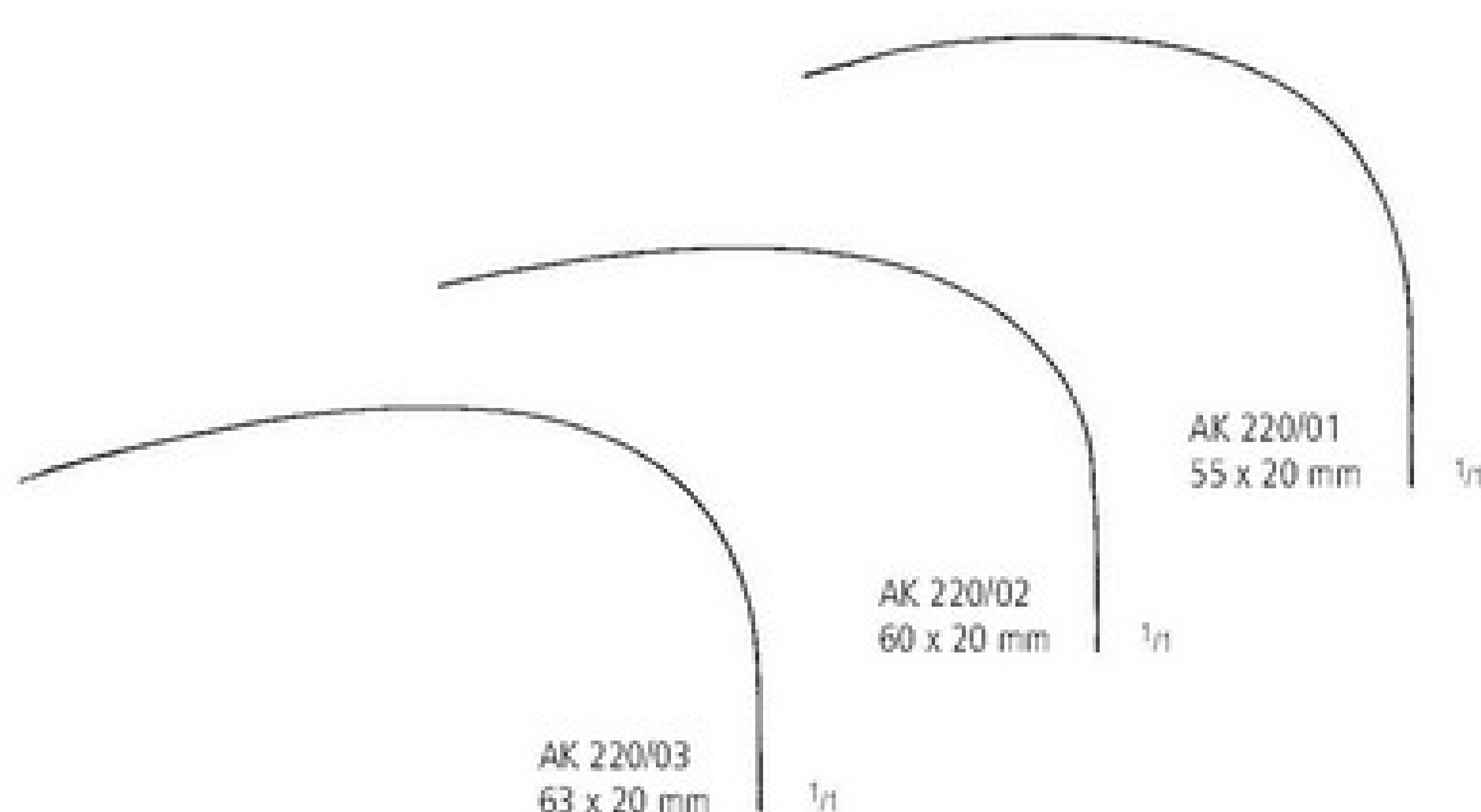
OLLIER
22,5 cm/9"





1/2

LANGENBECK
21,0 cm/8 1/4"



AK 220/01
55 x 20 mm

1/11

AK 220/02
60 x 20 mm

1/11

AK 220/03
63 x 20 mm

1/11



1/2

LANGENBECK
AK 230/01-05
22,0 cm/8 3/4"



1/11

AK 230/01
AK 231/01
30 x 11 mm



1/11

AK 230/02
AK 231/02
30 x 14 mm



1/11

AK 230/03
AK 231/03
30 x 16 mm



1/11

AK 230/04
AK 231/04
40 x 11 mm



1/11

AK 230/05
AK 231/05
50 x 11 mm



1/2

LANGENBECK
AK 231/01-05
22,0 cm/8 3/4"



KOCHER-LANGENBECK
21,5 cm/8 1/2"



AK 233/01
25 x 6 mm



AK 233/02
35 x 8 mm



AK 233/03
35 x 11 mm



AK 233/04
35 x 15 mm



AK 233/05
40 x 11 mm



AK 233/06
55 x 11 mm



AK 233/07
70 x 14 mm



AK 233/08
80 x 12 mm



AK 233/09
80 x 16 mm

AA

AB

AC

AD

AE

AF

AK

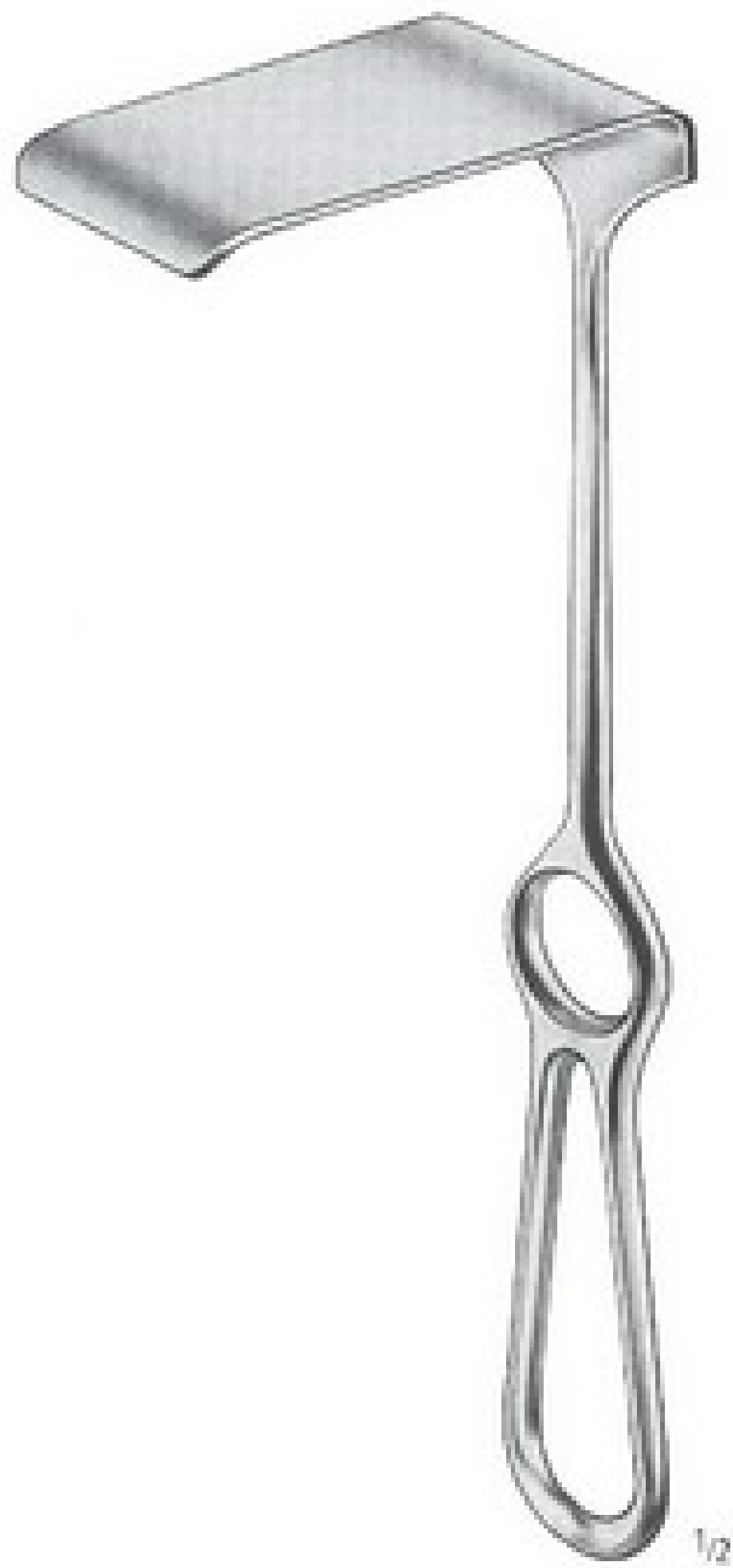
AL

AM

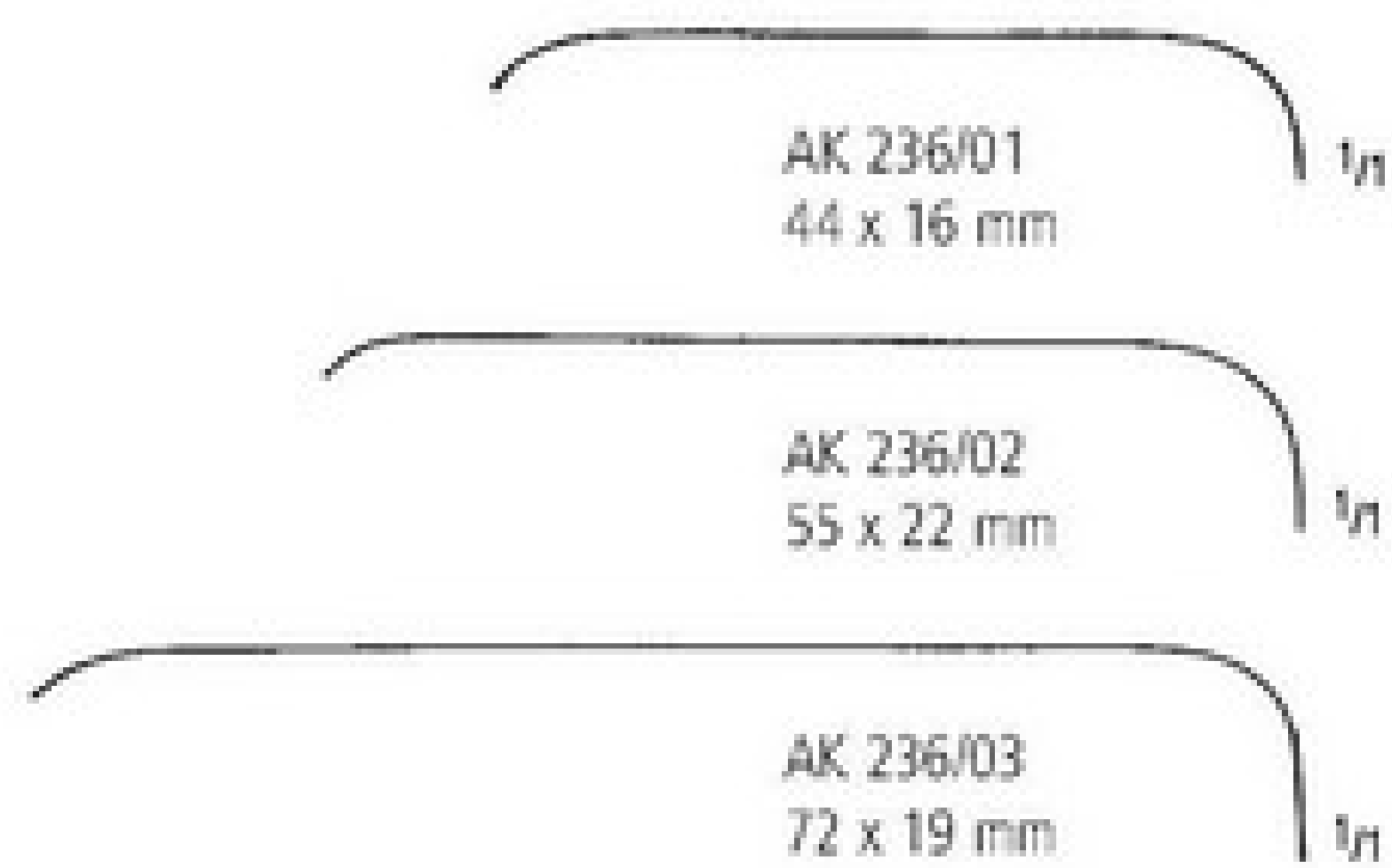
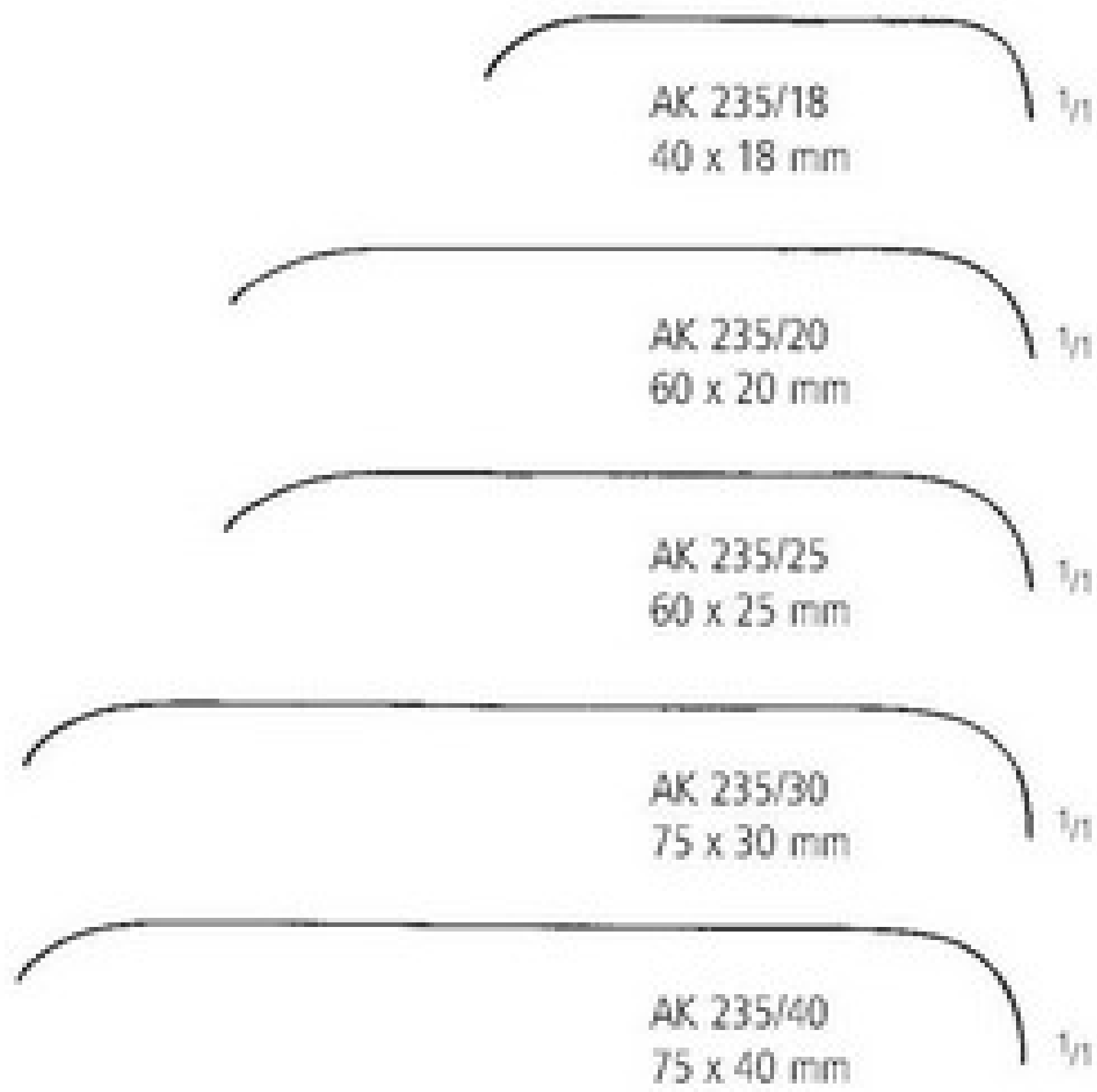
AO

AP

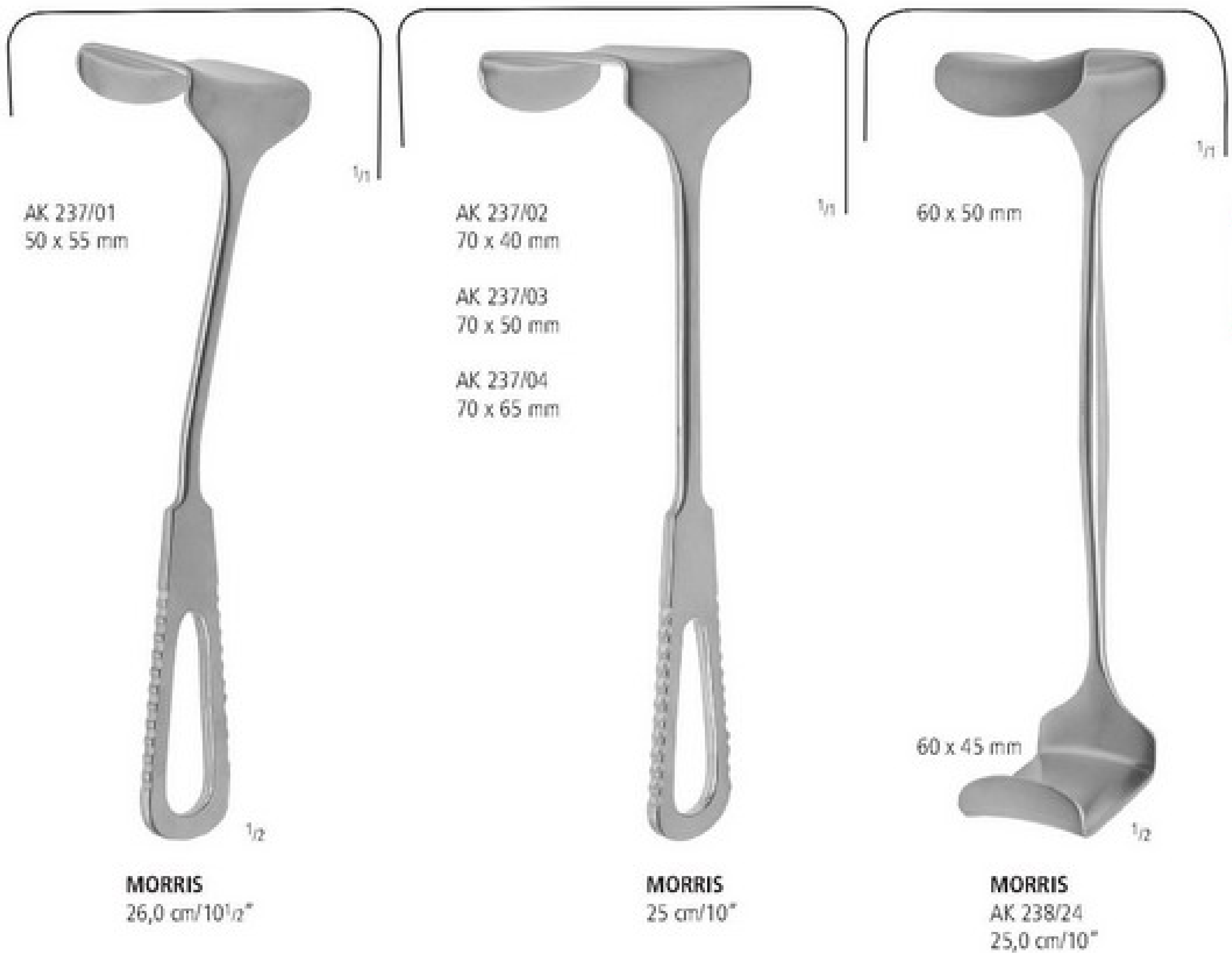
AR

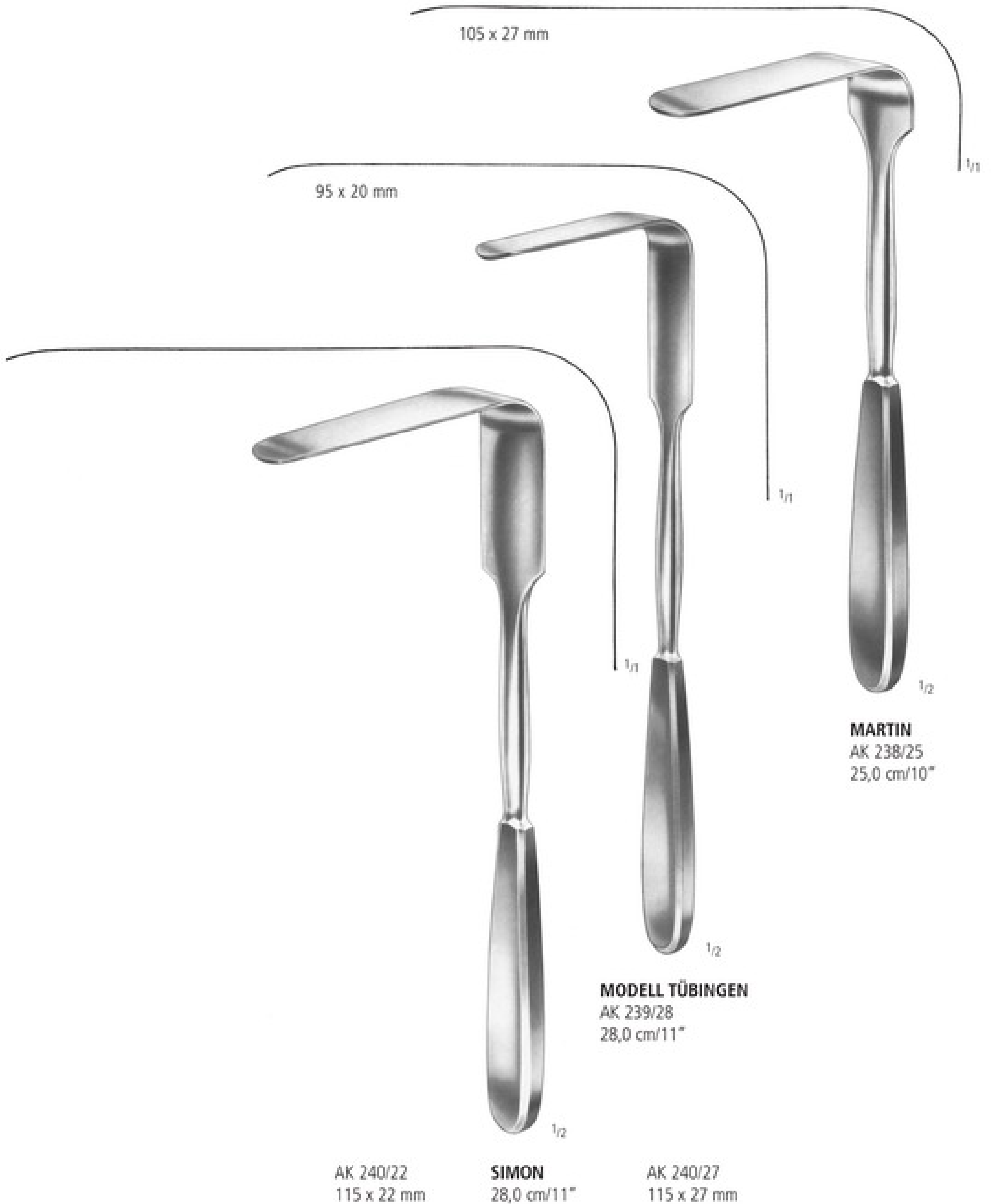


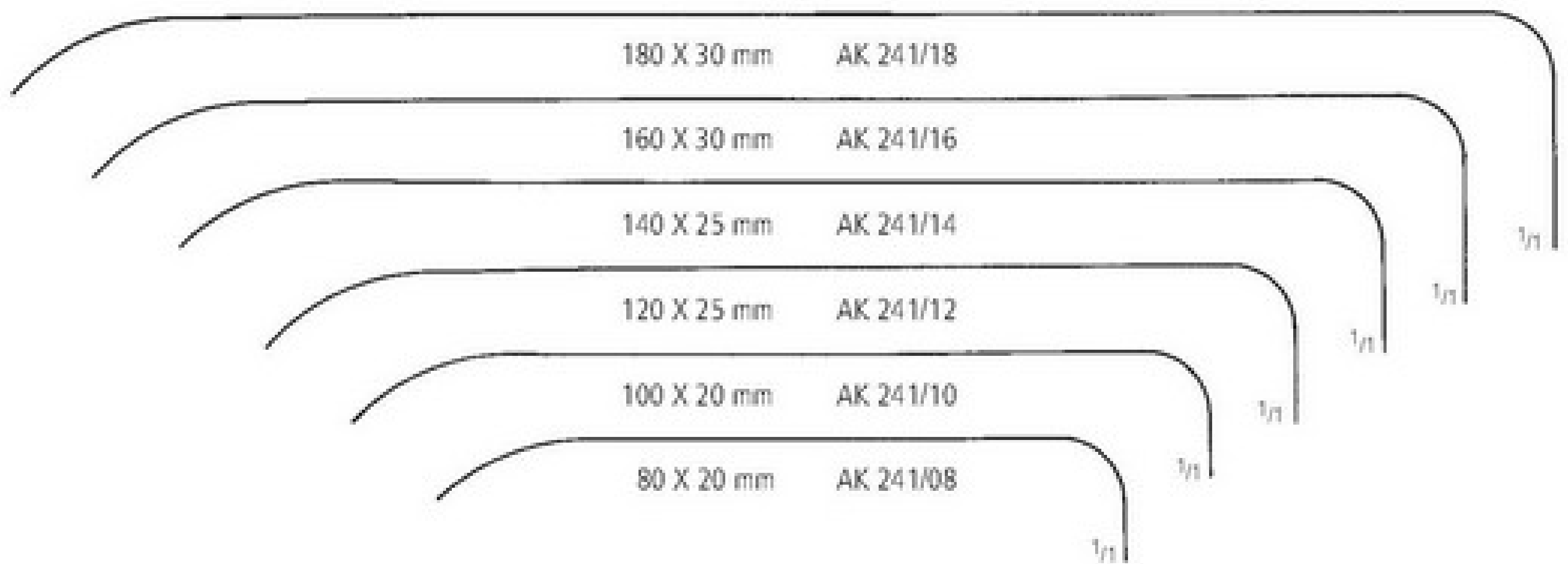
KOCHER
23,0 cm/9"



SAUERBRUCH
22,5 cm/8³/₄"







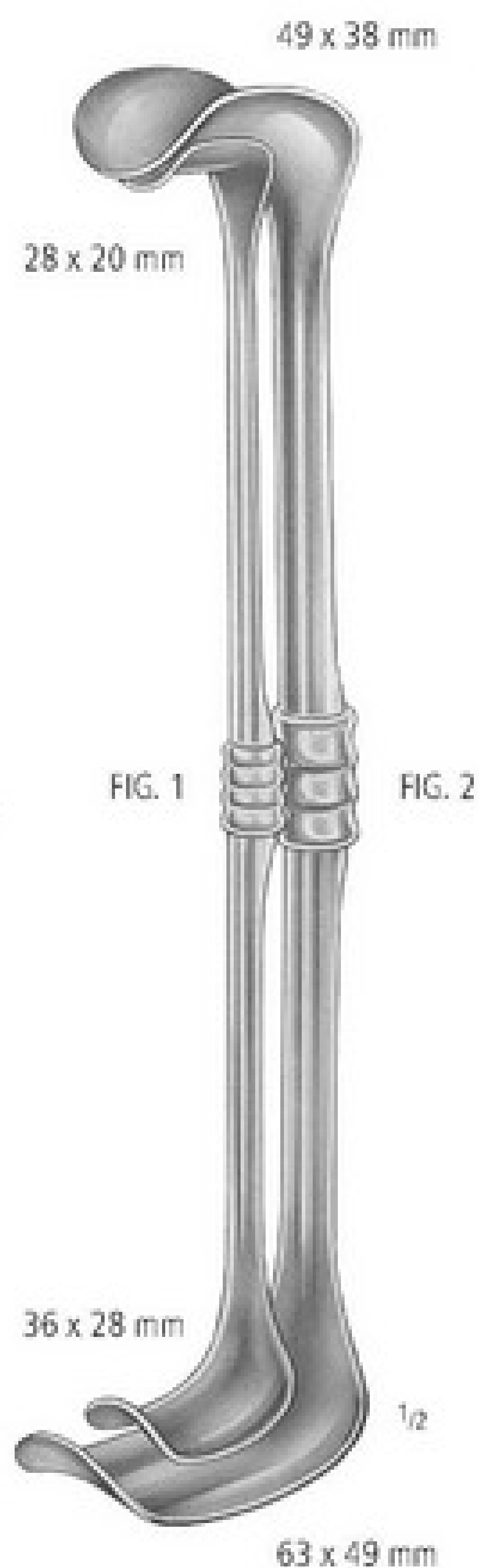
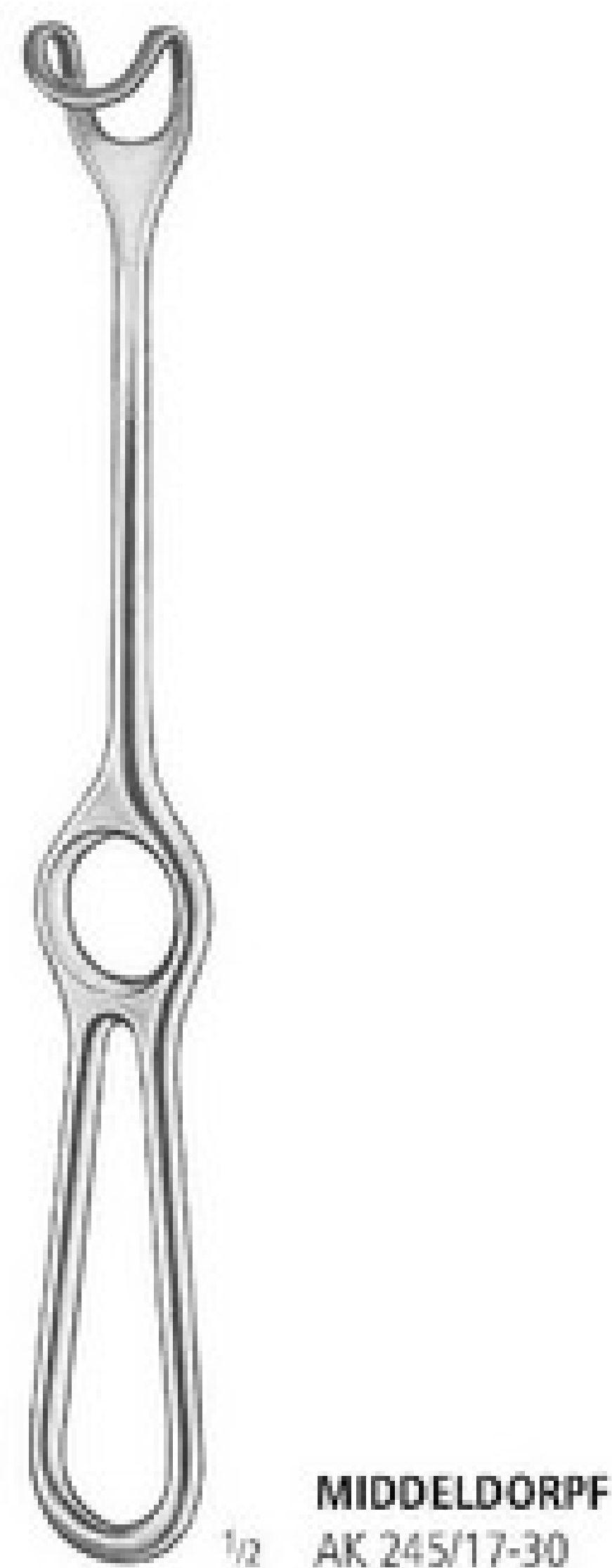
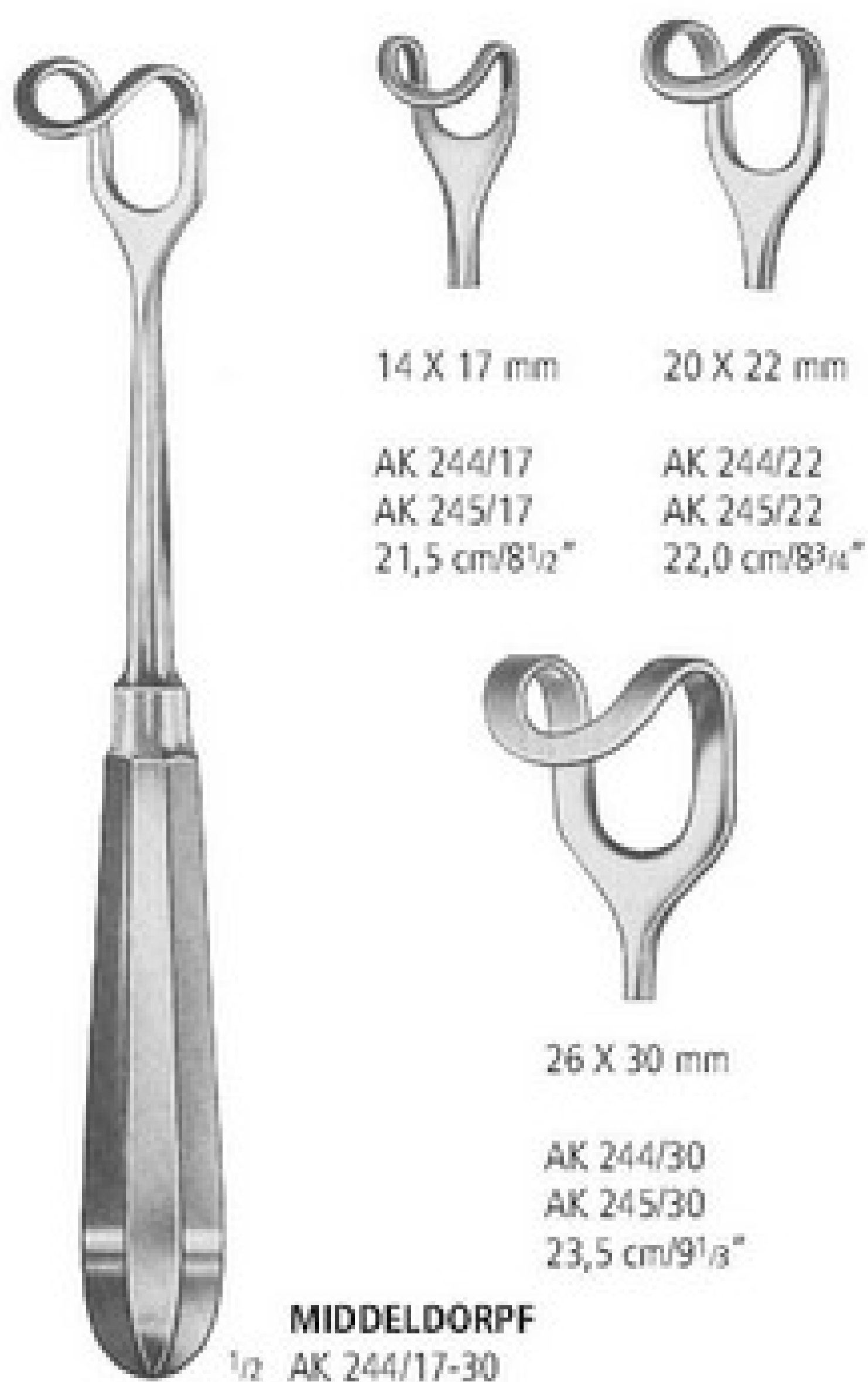
BRUNNER
AK 241/08-18
25,0 cm/10"



LAHEY
AK 242/19
19,0 cm/7 1/2"



LITTLE
AK 243/20
20,0 cm/8"



RICHARDSON-EASTMAN
FIG. 1+2 AK 248/00
FIG. 1 26,0cm/10 1/2" AK 248/01
FIG. 1 28,0cm/11" AK 248/02



HOESEL
25,0 cm/10"

1/2



AK 250/01
60 x 20 mm

1/1



AK 250/02
80 x 30 mm

1/1



AK 250/03
100 x 30 mm

1/1



AK 250/04
120 x 30 mm

1/1



AK 250/05
140 x 30 mm

1/1



AK 250/06
140 x 40 mm

1/1

AA

AB

AC

AD

AE

AF

AK

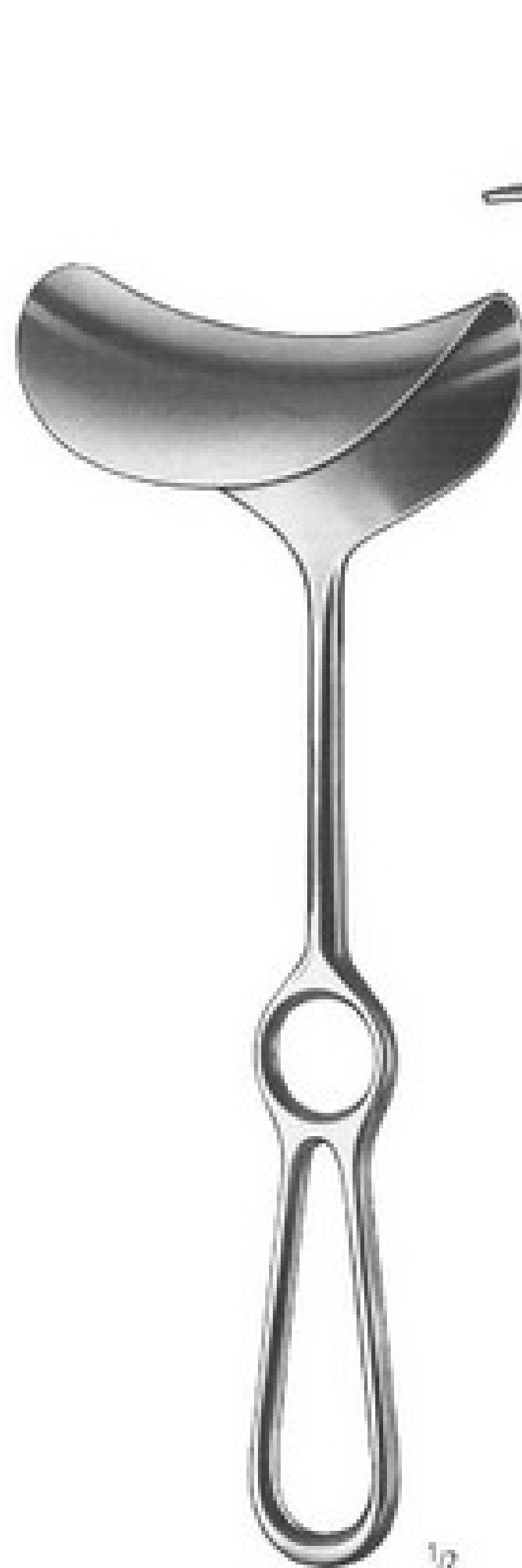
AL

AM

AO

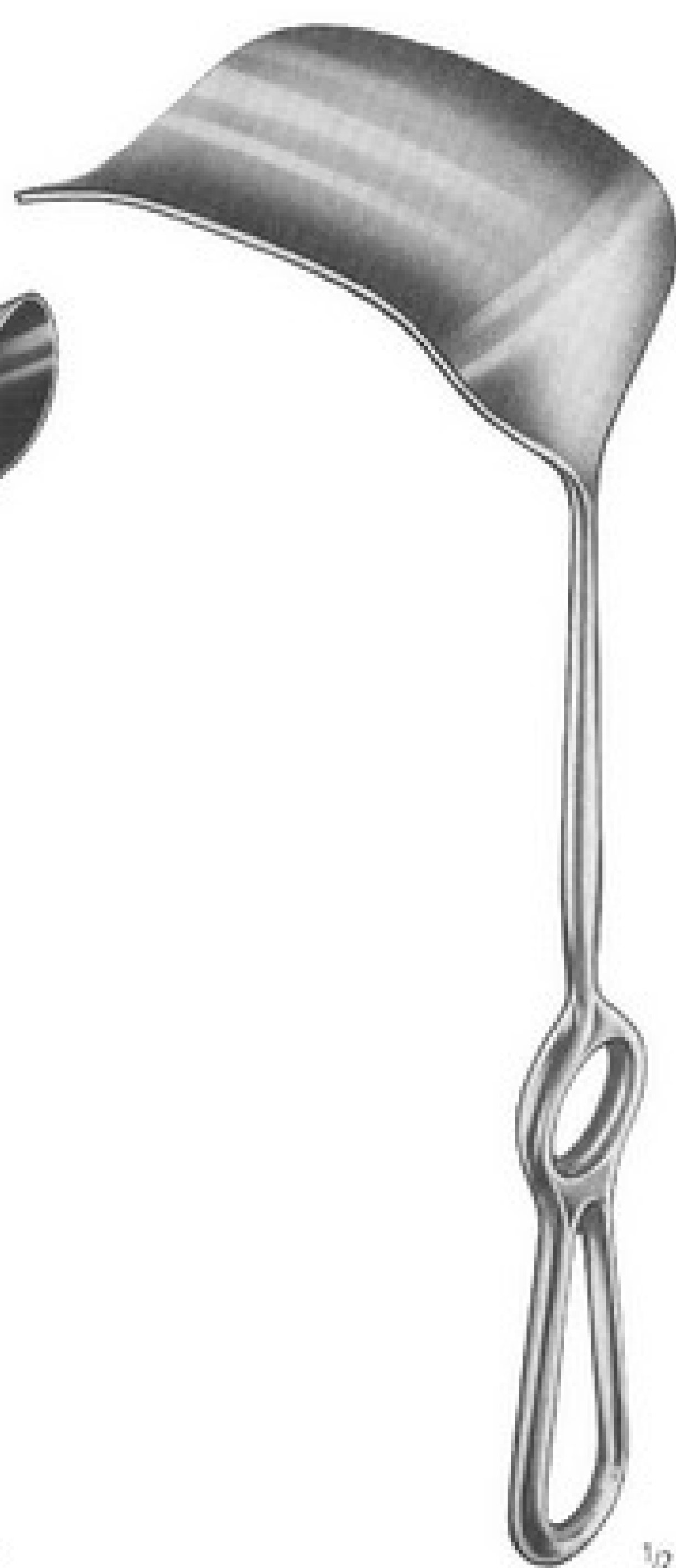
AP

AR



FRITSCH
24,0 cm / 9 1/2"

45 x 40 mm	AK 254/40
45 x 50 mm	AK 254/50
45 x 60 mm	AK 254/60
45 x 75 mm	AK 254/75
65 x 85 mm	AK 254/85



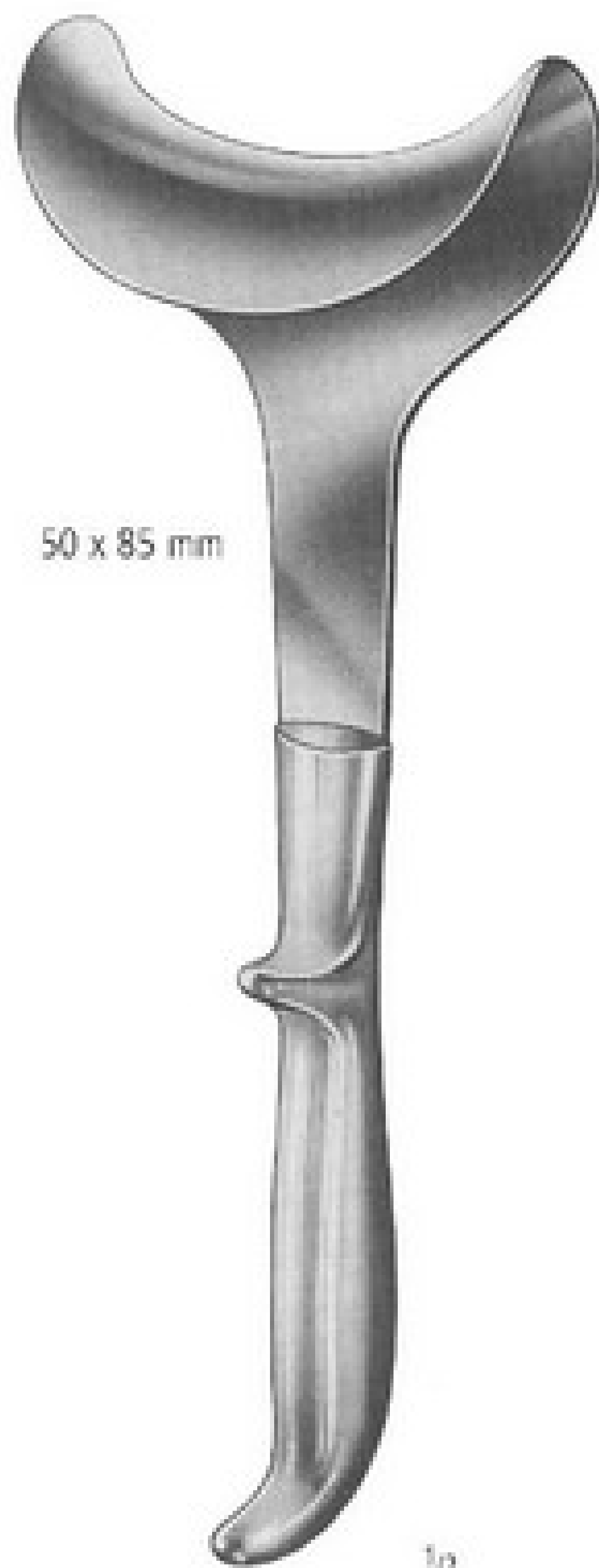
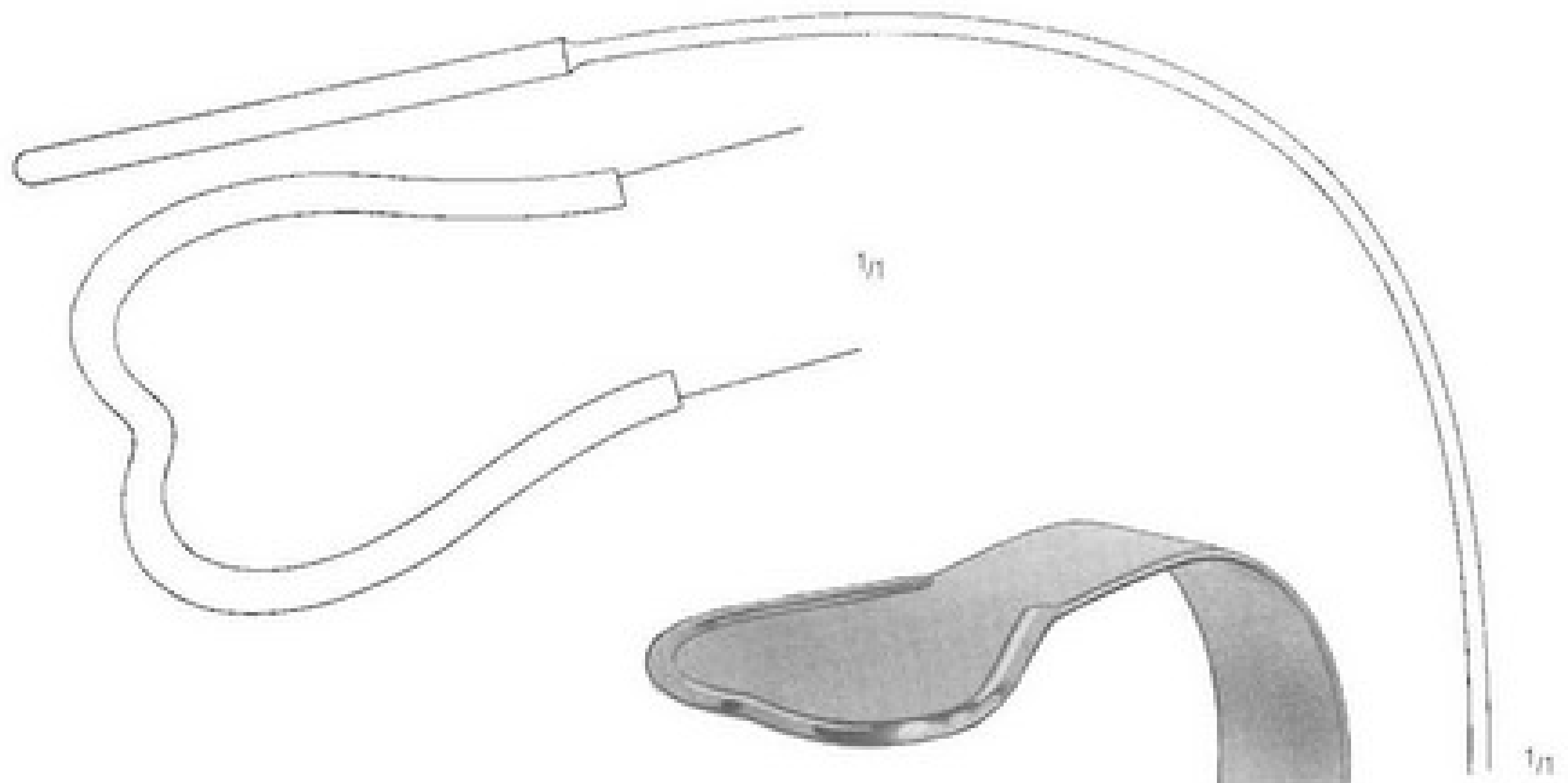
KOCHER

70 x 25 mm	22,0 cm / 8 3/4"	AK 256/25
80 x 42 mm	25,0 cm / 10"	AK 256/42
80 x 50 mm	25,0 cm / 10"	AK 256/50
80 x 60 mm	25,0 cm / 10"	AK 256/60

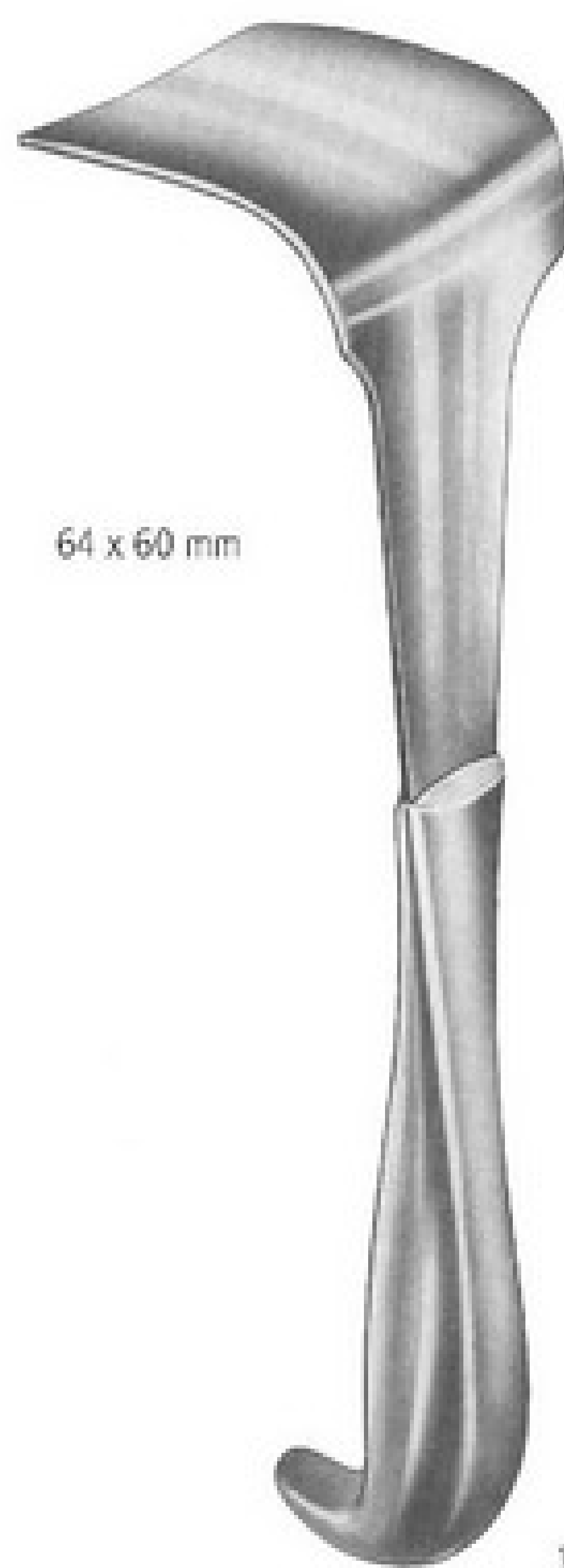


DOYEN-STILLE
24,0 cm / 9 1/2"

90 x 15 mm	AK 258/15
90 x 20 mm	AK 258/20
90 x 30 mm	AK 258/30
110 x 35 mm	AK 258/35
110 x 40 mm	AK 258/40
120 x 55 mm	AK 258/55



DOYEN
AK 280/25
25,0 cm/10"



TUFFIER
AK 282/23
23,0 cm/9"



HARRINGTON
32,0cm/12³/₄"
127 x 40 mm AK 284/40
127 x 62 mm AK 284/62
175 x 64 mm AK 284/64



MIKULICZ
AK 286/26
26,0 cm/10 1/2"

MIKULICZ
26,0 cm/10 1/2"
85 x 35 mm AK 290/01
120 x 50 mm AK 290/02
155 x 50 mm AK 290/03

KELLY
27,0 cm/10 3/4"
160 x 38 mm AK 292/01
160 x 57 mm AK 292/02
190 x 38 mm AK 292/03
190 x 57 mm AK 292/04





DEAVER
AK 300/07
30,0 cm/12"



DEAVER
AK 300/08
30,0 cm/12"



DEAVER
AK 300/09
30,0 cm/12"



DEAVER
AK 310/01-05

	B	L	
Fig. 1	25 mm	30,5 cm/12"	AK 310/01
Fig. 2	25 mm	33,0 cm/13"	AK 310/02
Fig. 3	38 mm	30,5 cm/12"	AK 310/03
Fig. 4	50 mm	30,5 cm/12"	AK 310/04
Fig. 5	75 mm	30,5 cm/12"	AK 310/05

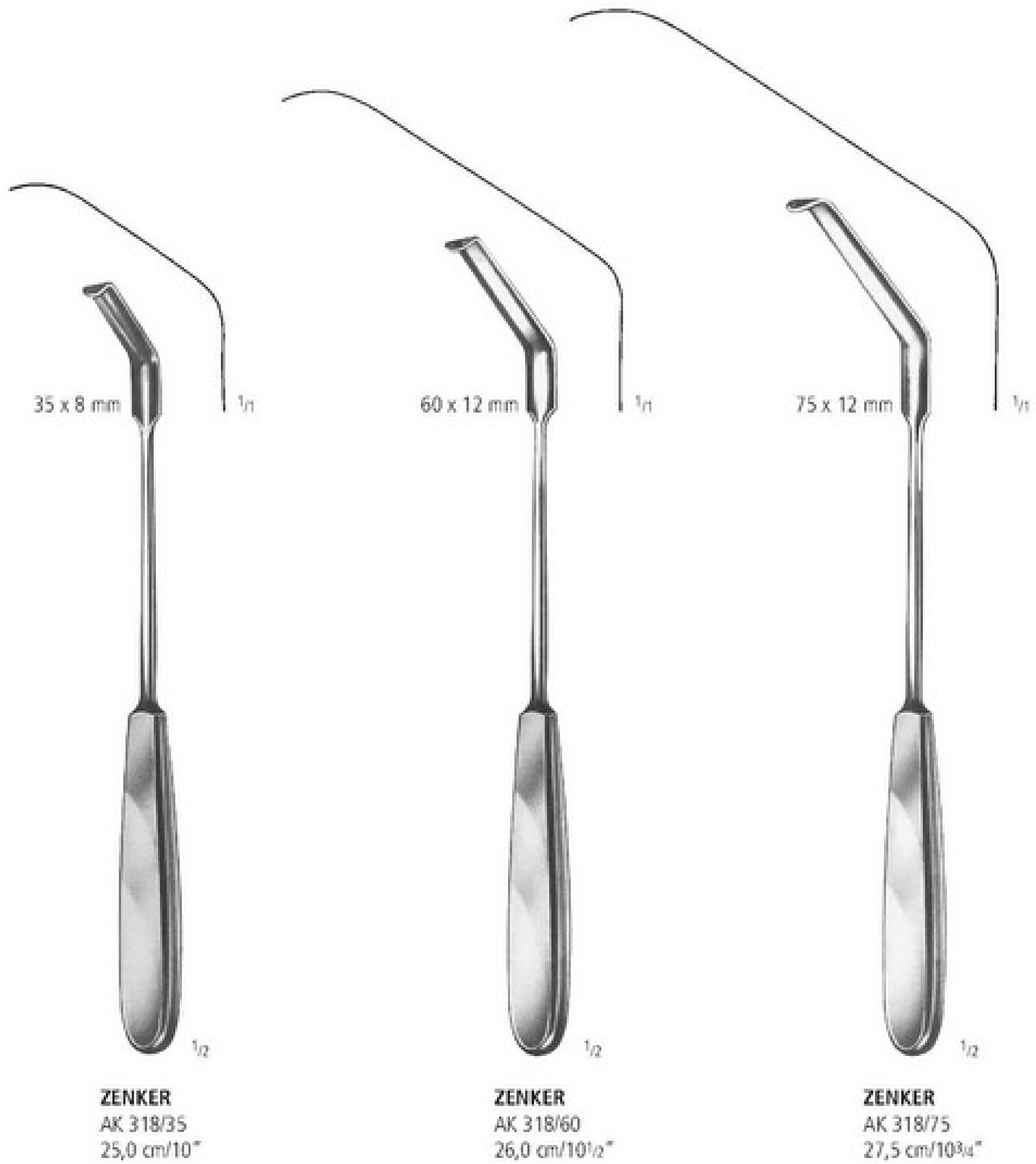


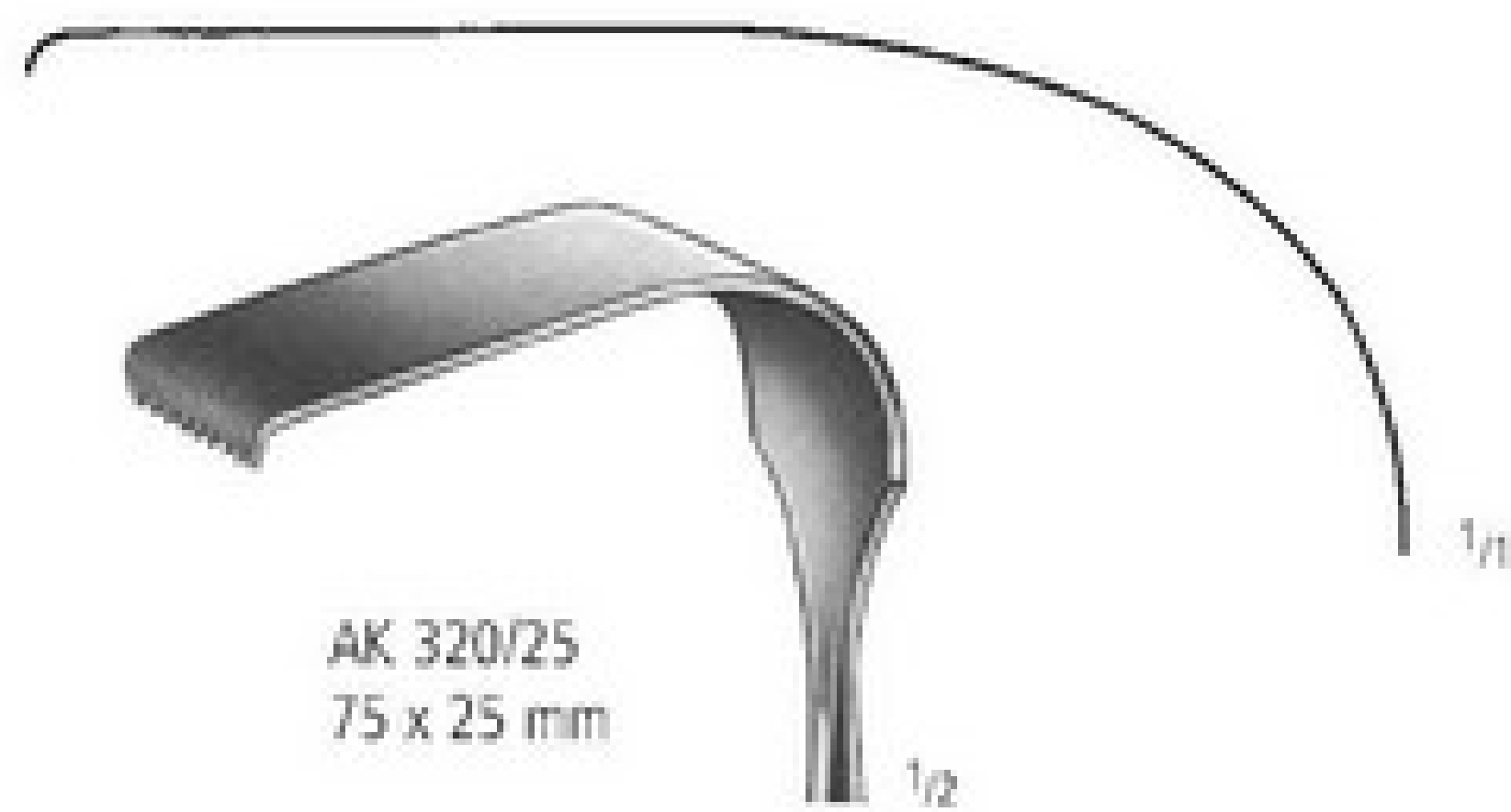
KOERTE
AK 312/28
28,0 cm / 11"

fest
rigid
rigida
rigide
rigide



245 x 30 mm	AK 315/30	
245 x 40 mm	AK 315/40	
245 x 50 mm	AK 315/50	
245 x 60 mm	AK 315/60	
245 x 70 mm	AK 315/70	





MEYERDING
22,5 cm/9"

