# thorax, herz, gefäße
# cardiovascular
# cardiovascular
# cardiovasculaire
# cardiovascolare

nopa® instruments

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Neurochirurgie
Ophtalmologie
Endoscopie
Conteneur et stérilisation
Dental et Oral

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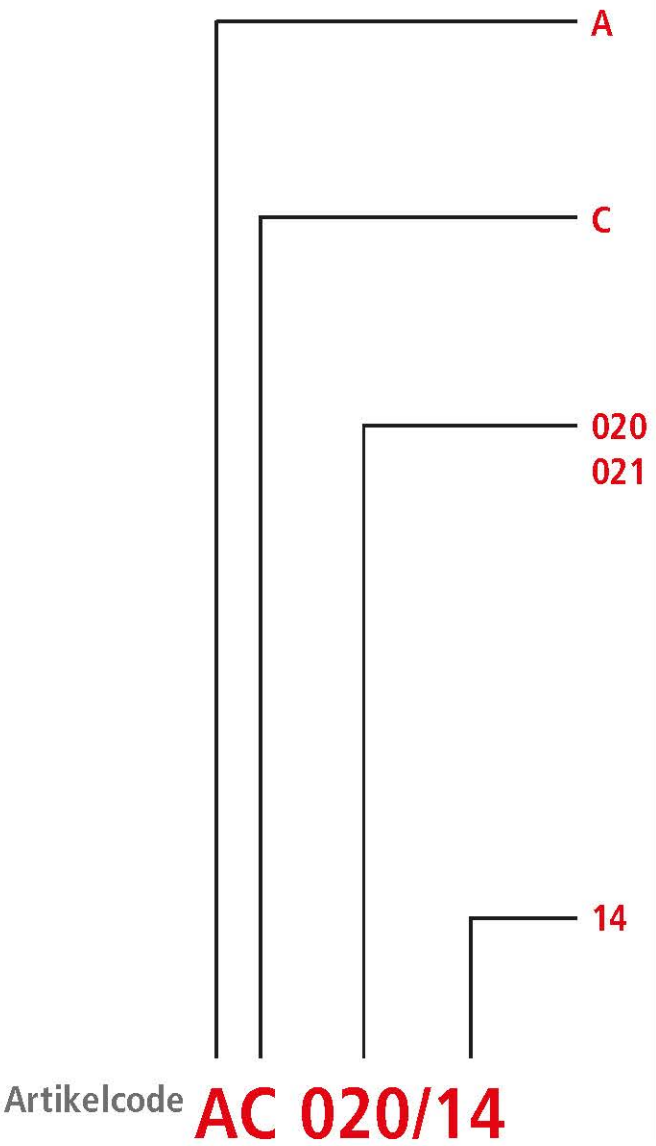
Chirurgia generale e Ginecologia
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Neurochirurgia
Oftalmologia
Endoscopia
Contenitore e sterilizzazione
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## ARTIKELCODE




**Allgemeines Instrumentarium**
General Instruments
Instrumental Géneral
Instruments Générales
Strumenti generali

**Scheren**
Scissors
Tijeras
Ciseaux
Forbici

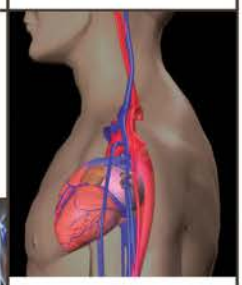
**Fortlaufende Nummern**
Gerade Ziffer = gerades Instrument
Ungerade Ziffer = gebogenes Instrument
**Continuous number**
Even number = straight instrument
Odd number = curved instrument
**Número de orden**
números pares = instrumento derecho
números impares = instrumento curvado
**Numéros d'ordre**
numéro pair = instrument droit
numéro impair = instrument courbe
**Numeri progressivamente**
numero pari = strumento retto
numero dispari = strumento curvo

**Länge oder Figur**
Length or Figure
Longitud o figura
Longueur ou figure
Lunghezza o figura

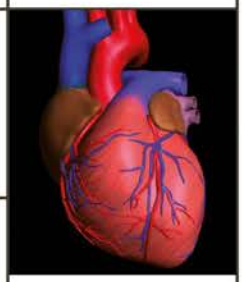
thorax, herz, gefäße

# cardiovascular

cardiovascular
cardiovasculaire
cardiovascolare







nopa® instruments



cardiovascular basic set

>> Cardiovascular • Cardiovascular • Cardiovascular • Cardiovasculaire • Cardiovascolare 9–18

endarterectomy set

>> Endarteriektomie • Endarterectomy • Endarterectomía • Endarterectomie • Endarterectomia 19–24

thoracotomy set

>> Thorakotomie • Thoracotomy • Thoracotomía • Thoracotomie • Thoracotomia 25–30

coronary bypass set

>> Koronar Arterien-Bypass • Coronary Bypass • Bypass coronario
Pontage aorto-coronarien • Bypass aorto-coronarico 31–34

# INDEX INSTRUMENTE INSTRUMENTS INSTRUMENTOS INSTRUMENTS STRUMENTI


>> Klemmen • Hemostats • Pinzas hemostáticas
Pinces hémostatiques • Pinze emostatiche 35-68 AA

>> Pinzetten • Forceps • Pinzas • Pinces • Pinze 69–88 AB

>> Scheren • Scissors • Tijeras • Ciseaux • Forbici 89–128 AC

>> Skalpelle • Scalpels • Bisturíes • Bistouris • Bisturi 129–134 AD

>> Naht • Suture • Sutura • Suture • Sutura 135–162 AE

>> Tupferzangen • Sponges Forceps • Pinzas para pólipos
Pinces à pansements • Pinze per polipi 163–170 AF

>> Wundhaken • Retractors • Separadores • Ecarteurs • Divaricatori 171–198 AK

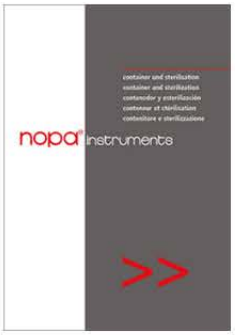
>> Gefäßinstrumente und Sonden • Vessel instruments and probes • Instrumental vascular y sondas
Instruments vaisseaux et sondes • Strumenti vascolari e sonde 199–210 AL

>> Saugrohre und Kanülen • Suction tubes and cannulae • Tubos de aspiración y canulas
Tubes d´aspiration et canules • Tubi d´aspirazione e cannule 211–216 AO

>> Knocheninstrumente • Bone instruments • Instumentos para huesos
Instruments des os • Strumenti per ossa 217–232 KA

>> Herz/Thorax • Cardiovascular • Cardiovascular • Cardiovasculaire • Cardiovascolare 233–300 KK

>> Endoskopie • Endoscopy • Endoscopia • Endoscopie • Endoscopia 301-344 X


**KYE**

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# CARDIOVASCULAR BASIC
# CARDIOVASCULAR BASIC
# CARDIOVASCULAR BASIC
# CARDIOVASCULAIRE BASIC
# CARDIOVASCOLARE BASIC

# SET

ZS 941/10

Siebvorschlag - Suggested instrument set

**ZS 941/10** Contents:

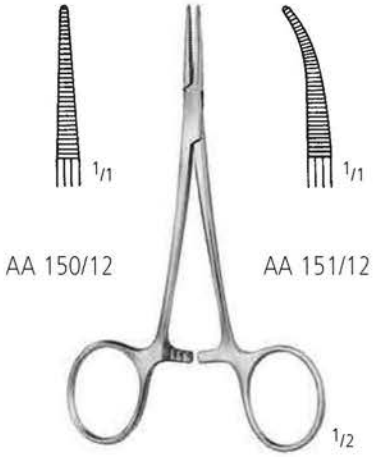
| | | Qty |
|---|---|---|
| **AA 150/12** | HALSTED-MOSQUITO FCPS. STR. 12.5 CM | 1 |
| **AA 151/12** | HALSTED-MOSQUITO FCPS. CVD. 12.5 CM | 6 |
| **AA 180/14** | CRILE FORCEPS STR. 14.0 CM | 2 |
| **AA 181/14** | CRILE FORCEPS CVD. 14.0 CM | 12 |
| **AA 201/20** | ROCHESTER-PEAN FCPS. CVD. 20.0 CM | 1 |
| **AA 210/16** | OCHSNER-KOCHER ART. FCPS. STR. 16.0 CM | 10 |
| **AA 239/18** | ADSON FORCEPS CVD. 18.5 CM | 3 |
| **AA 300/16** | ROCHESTER-CARMALT FCPS. STR. 16.0 CM | 10 |
| **AA 320/02** | HEISS FORCEPS SLIGHTLY CVD. 20.0 CM | 10 |
| **AA 330/24** | CRAFOORD ARTERY FORCEPS CVD. 24.0 CM | 3 |
| **AA 345/19** | MIXTER FORCEPS CVD. 19.0 CM | 6 |
| **AA 751/08** | BACKHAUS TOWEL FORCEPS 8.0 CM | 6 |
| **AA 751/13** | BACKHAUS TOWEL FORCEPS 13.0 CM | 6 |
| **AB 060/14** | STANDARD TISSUE FCPS. 1X2 T. STR. 14.5 CM | 2 |
| **AB 100/12** | ADSON DRESSING FORCEPS 12.0 CM | 1 |
| **AB 117/09** | ADSON-BROWN TISS. FCPS. CVD. 9X9 T. 12.0 CM | 2 |
| **AB 200/18** | POTTS-SMITH DRESSING FORCEPS STR. 18.0 CM | 3 |
| **AB 480/15** | RUSS.MODEL TISSUE FCPS. 15.0 CM | 2 |
| **AB 480/20** | RUSS.MODEL TISSUE FCPS. 20.0 CM | 2 |
| **AB 862/20** | DE BAKEY ATRAUMA FCPS. STR. 2.0 MM 20.0 CM | 4 |
| **AB 862/24** | DE BAKEY FCPS. STR. 2.0 MM 24.0 CM | 2 |
| **AC 072/17** | MAYO-STILLE OPER. SCS. STR. BL/BL 17.0 CM | 2 |
| **AC 073/17** | MAYO-STILLE OPER. SCS. CVD. BL/BL 17.0 CM | 2 |
| **AC 087/18** | KELLY FISTULA SCISSORS CURVED 18.0 CM | 1 |
| **AC 111/18** | METZENBAUM-NELSON SCS. CVD. BL/BL 18.0 CM | 1 |
| **AC 111/20** | METZENBAUM-NELSON SCS. CVD. BL/BL 20.0 CM | 1 |
| **AC 219/25** | POTTS-SMITH ART. SCS. 25° DEGREE 19.0 CM | 1 |
| **AC 219/45** | POTTS-SMITH ART. SCS. 45° DEGREE 19.0 CM | 1 |
| **AC 941/20** | METZENBAUM SCS. TUC CVD. BL/BL 20.0 CM | 1 |
| **AC 987/12** | UNIVERSAL WIRE SHEARS TUC 12.0 CM | 2 |
| **AD 010/03** | SCALPEL HANDLE NO.3 | 6 |
| **AD 020/13** | SCALPEL HANDLE NO.3 L | 6 |
| **AE 100/16** | MAYO-HEGAR NEEDLE HOLDER 16.0 CM | 3 |
| **AE 100/18** | MAYO-HEGAR NEEDLE HOLDER 18.0 CM | 5 |
| **AE 100/20** | MAYO-HEGAR NEEDLE HOLDER 20.0 CM | 3 |
| **AF 200/25** | FOERSTER-BALLENGER STR. SERRATED 25.0 CM | 8 |
| **AK 036/01** | CUSHING DELICATE HOOK FIG.1, 19.0 CM | 2 |
| **AK 102/10** | CUSHING RETRACTOR 10.0 MM 24.0 CM | 2 |
| **AK 122/16** | SENN-MILLER RETRACTOR SHARP 16.0 CM | 4 |
| **AK 150/04** | VOLKMANN RETR. SHARP 4 PRONGS 21.5 CM | 4 |
| **AK 245/17** | MIDDELDORPF RETRACTOR 14X17 MM 21.5 CM | 2 |
| **AK 247/01** | RICHARDSON RETRACTOR 28X20 MM 24.0 CM | 2 |
| **AK 247/02** | RICHARDSON RETRACTOR 36X28 MM 24.0 CM | 2 |
| **AK 247/03** | RICHARDSON RETRACTOR 44X38 MM 24.0 CM | 2 |
| **AK 247/04** | RICHARDSON RETRACTOR 52X22 MM 24.0 CM | 2 |
| **AK 300/04** | DEAVER RETRACTOR WIDTH 25.0 MM 30.0 CM | 2 |
| **AK 300/08** | DEAVER RETRACTOR WIDTH 50.0 MM 30.0 CM | 1 |
| **AK 300/09** | DEAVER RETRACTOR WIDTH 75.0 MM 30.0 CM | 2 |
| **AK 374/00** | PARKER RETRACTOR SET LARGE FIG.1+2 | 1 |
| **AK 384/00** | PARKER-LANGENBECK US-ARMY SET FIG.1+2 | 1 |
| **AK 520/13** | WEITLANER RETRACTOR SHARP 13.0 CM | 2 |
| **AK 580/19** | GELPI RETRACTOR 19.0 CM | 2 |
| **AK 804/30** | ABDOMINAL SPATULA 33.0 CM | 1 |
| **AK 804/40** | ABDOMINAL SPATULA 33.0 CM | 1 |
| **AK 804/50** | ABDOMINAL SPATULA 33.0 CM | 1 |

**ZS 941/10**

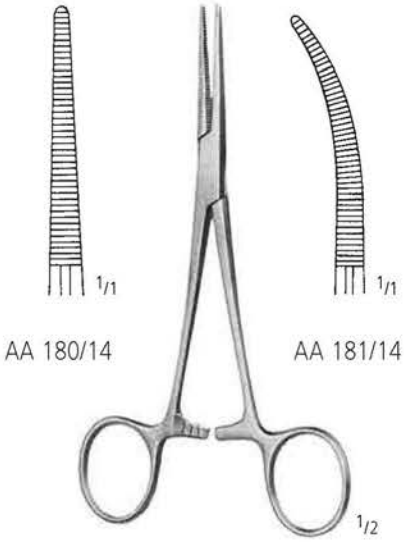
Contents:

| | | Qty |
|---|---|---|
| **AO 400/00** | YANKAUER SUCTION TUBE COMPLETE | 2 |
| **AO 404/00** | WALTON-YANKAUER SUCTION TUBE | 2 |
| **AO 421/22** | POOLE SUCTION TUBE CURVED 8.0 MM 22.0 CM | 1 |
| **AO 430/10** | FRAZIER BRAIN SUCTION TUBE CHARR. 10/17 CM | 1 |
| **KA 520/40** | WILLIGER MALLETS 400G 30.0 MM DIAM. | 1 |
| **KD 055/15** | ALLIS FCPS. 5x6T 15.0 CM | 6 |
| **KD 055/19** | ALLIS TISSUE FCPS. 5X6T 19.0 CM | 3 |
| **KD 060/15** | ALLIS-ADAIR TIS. SEIZ. FCPS. 10X11 15.0 CM | 4 |
| **KD 111/16** | BABCOCK INT. TISSUE FCPS. 16.0 CM | 4 |
| **KK 040/25** | LEBSCHE CHISEL 25.0 CM | 1 |
| **SK 307/07** | WIRE BASKET, 540X255X70 MM | 2 |

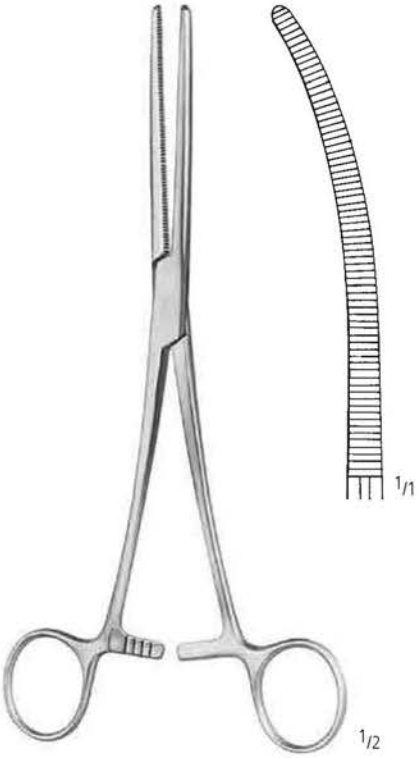
Sterilization Container KYE 200/71, if required.



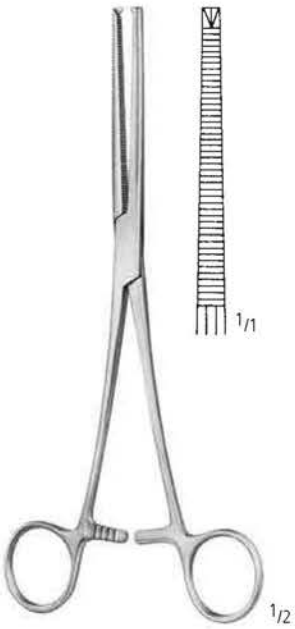

**HALSTED-MOSQUITO**
12,5 cm/5"




**CRILE**
14,0 cm/5 1/2"



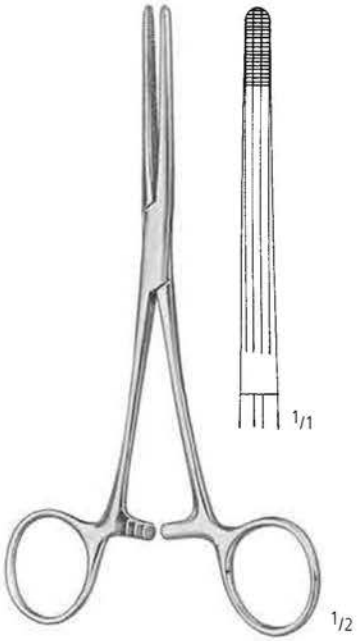

**ROCHESTER-PEAN**
AA 201/20
20,0 cm/8"



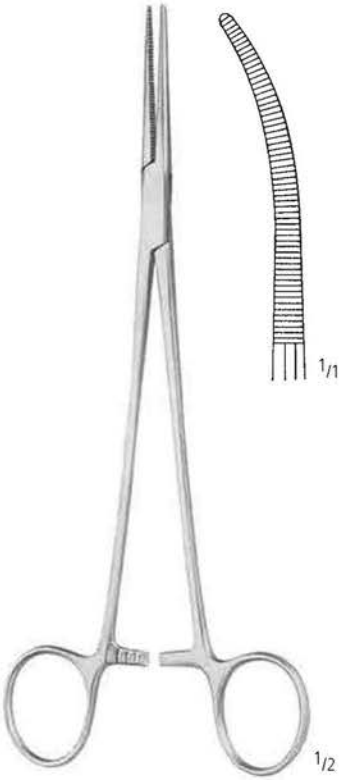

**OCHSNER-KOCHER 1:2**
AA 210/16
16,0 cm/6 1/4"



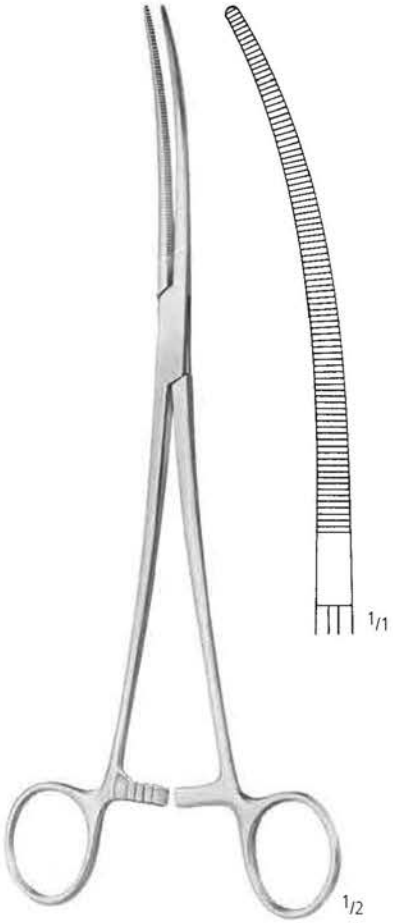

**ADSON**
AA 239/18
18,5 cm/7 1/3"



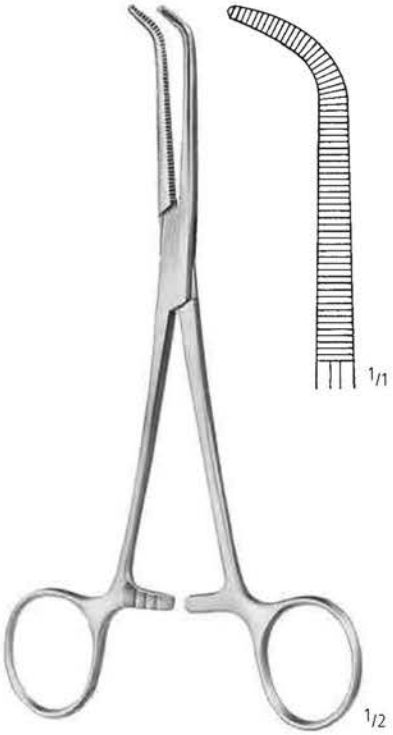

**ROCHESTER-CARMALT**
AA 300/16
16,0 cm/6 1/4"



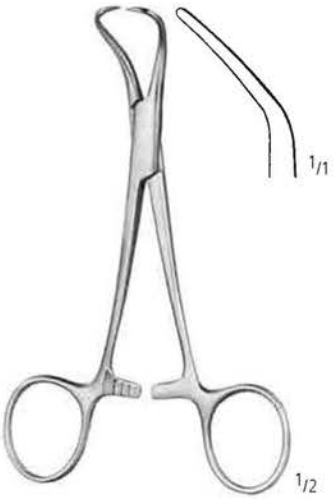

**HEISS**
AA 320/02
20,0 cm/8"



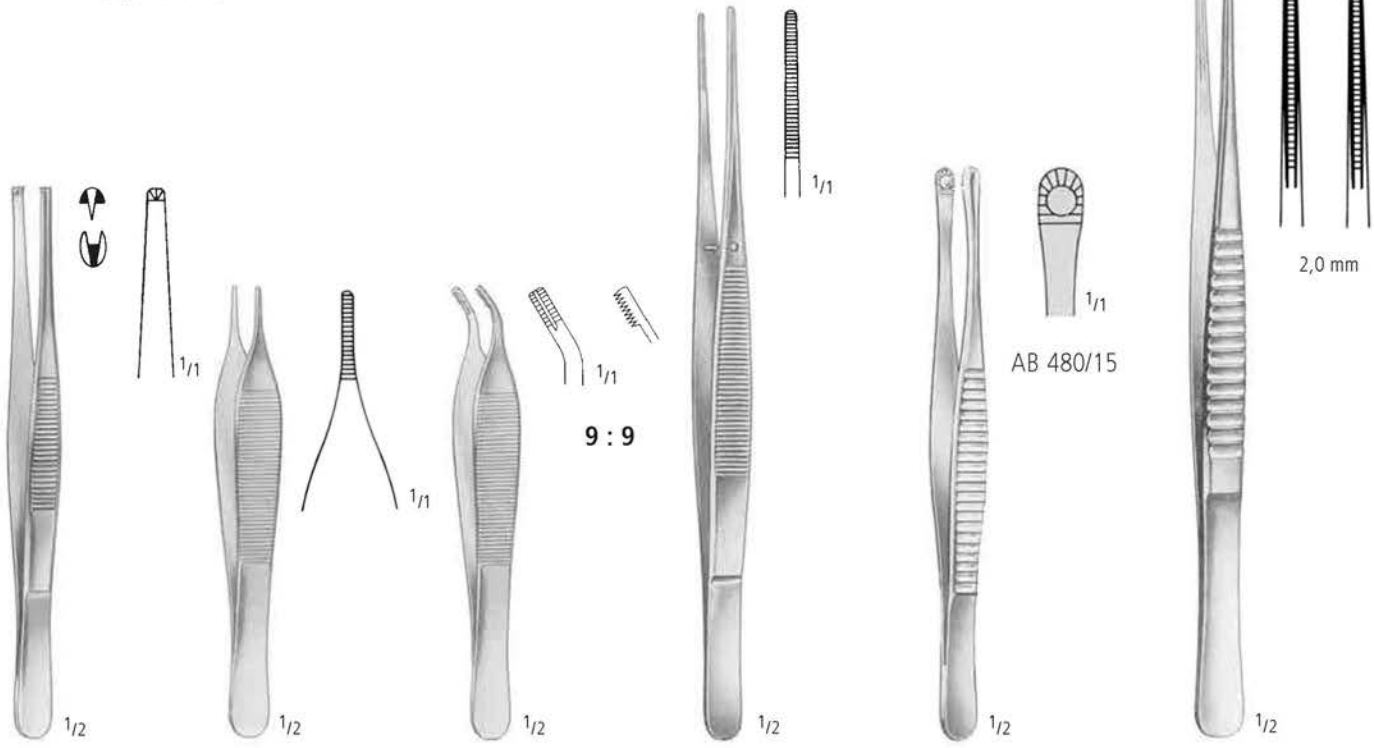

**CRAFOORD**
AA 330/24
24,0 cm/9 1/2"




**MIXTER**
AA 345/19
19,0 cm/7 1/2"




**BACKHAUS**
8,0 cm/3" AA 751/08
13,0 cm/5" AA 751/13




**STANDARD 1:2**
AB 060/14
14,5 cm/5 3/4"

**ADSON**
AB 100/12
12,0 cm/4 3/4"

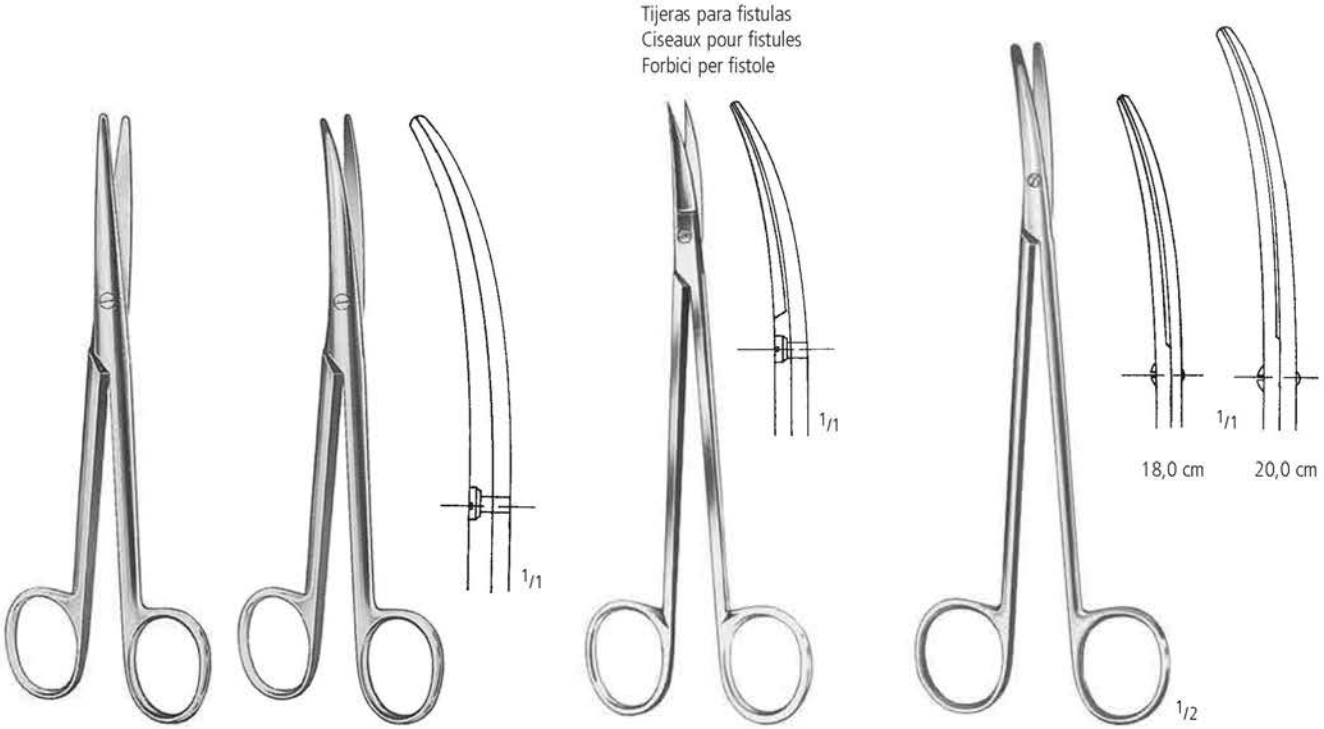
**ADSON-BROWN**
AB 117/09
12,0 cm/4 3/4"

**POTTS-SMITH**
AB 200/18
18,0 cm/7"

**RUSS. MODELL**
15,0 cm/6" AB 480/15
20,0 cm/8" AB 480/20

**DE BAKEY**
20,0 cm/8" AB 862/20
24,0 cm/9 1/2" AB 862/24

Fistelscheren
Fistula Scissors
Tijeras para fistulas
Ciseaux pour fistules
Forbici per fistole

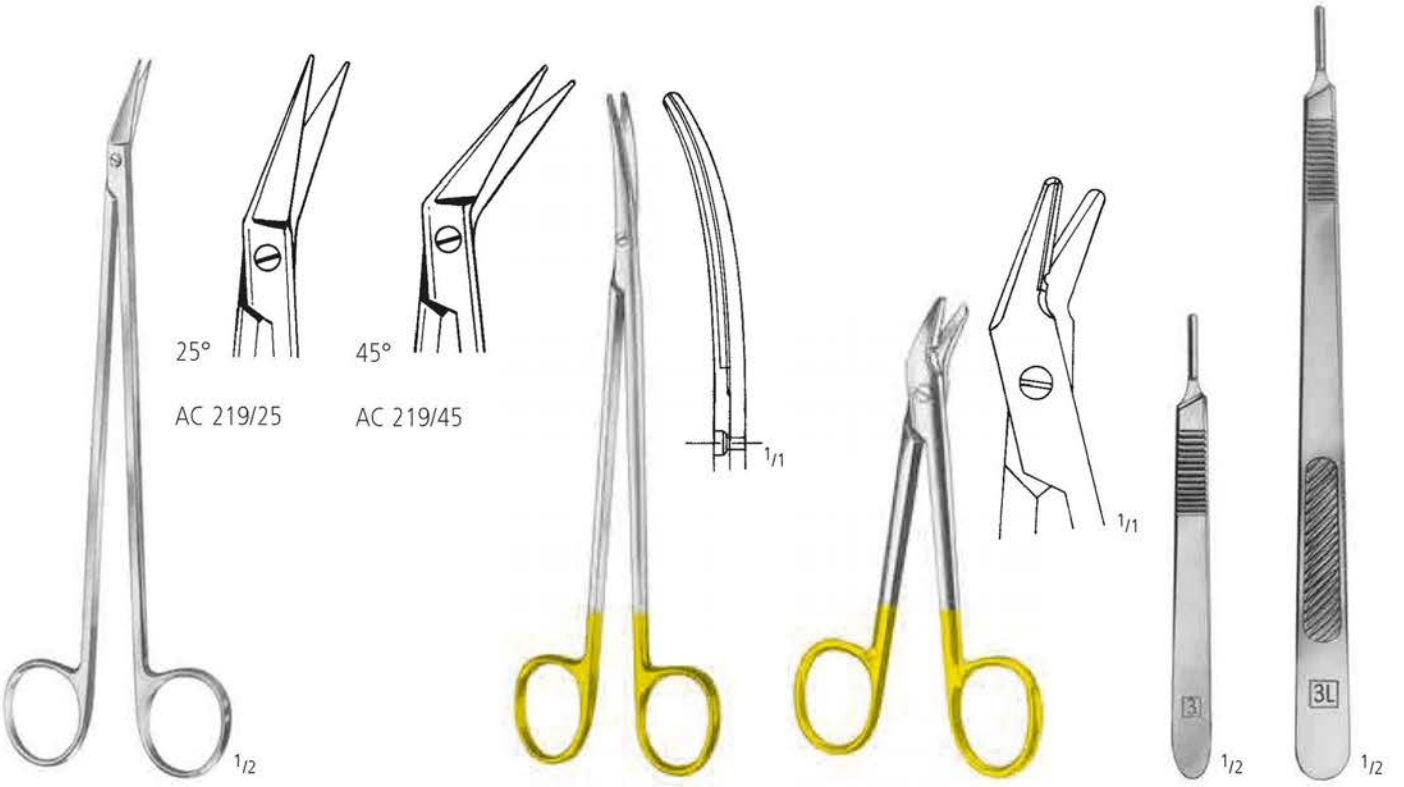



**MAYO-STILLE**
AC 072/17
17,0 cm/6¼"

**MAYO-STILLE**
AC 073/17
17,0 cm/6¼"

**KELLY**
AC 087/18
18,0 cm/7"

**METZENBAUM-NELSON**
18,0 cm/7" AC 111/18
20,0 cm/8" AC 111/20




**POTTS-SMITH**
19,0 cm/7½"

AC 219/25

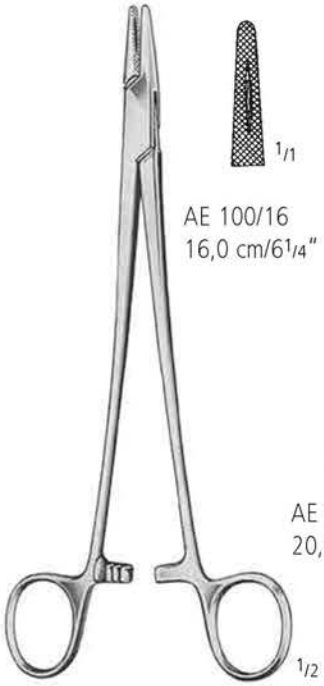
AC 219/45

**METZENBAUM**
AC 941/20 SC
20,0 cm/8"

**UNIVERSAL**
AC 987/12
12,0 cm/4¾"

AD 010/03
No. 3

AD 020/13
No. 3L

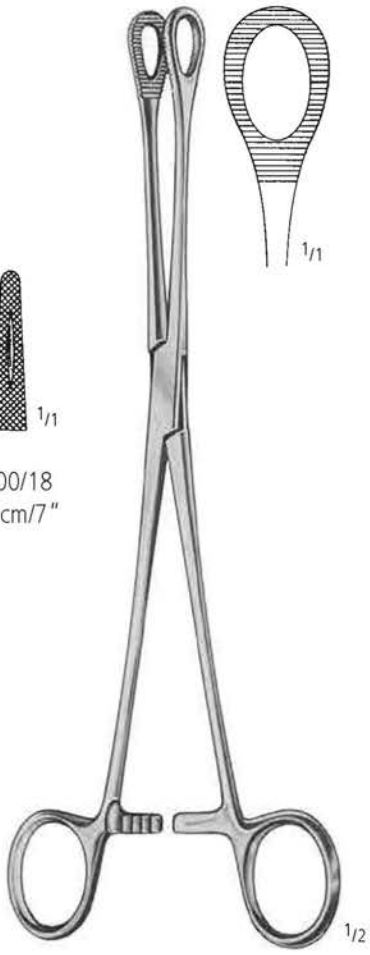



AE 100/16
16,0 cm/6¼"

AE 100/18
18,0 cm/7"

AE 100/20
20,0 cm/8"

**MAYO-HEGAR**




**FOERSTER-BALLENGER**
AF 200/25
25,0 cm/10"




**CUSHING**
AK 036/01
19,0 cm/7½"




**CUSHING**
AK 102/10
24,0 cm/9½"




AK 122/16

**SENN-MILLER**
AK 122/16
16,0 cm/6¼"



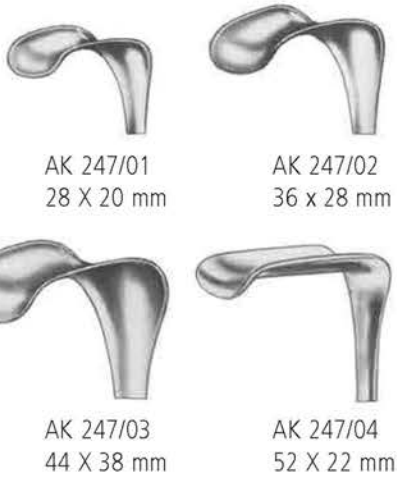

**VOLKMANN**
AK 150/04
21,5 cm/8½"




**MIDDELDORPF**
AK 245/17
21,5 cm/8½"



**RICHARDSON (KELLY)**
24,0 cm/9½"



AK 247/01
28 X 20 mm

AK 247/02
36 x 28 mm

AK 247/03
44 X 38 mm

AK 247/04
52 X 22 mm



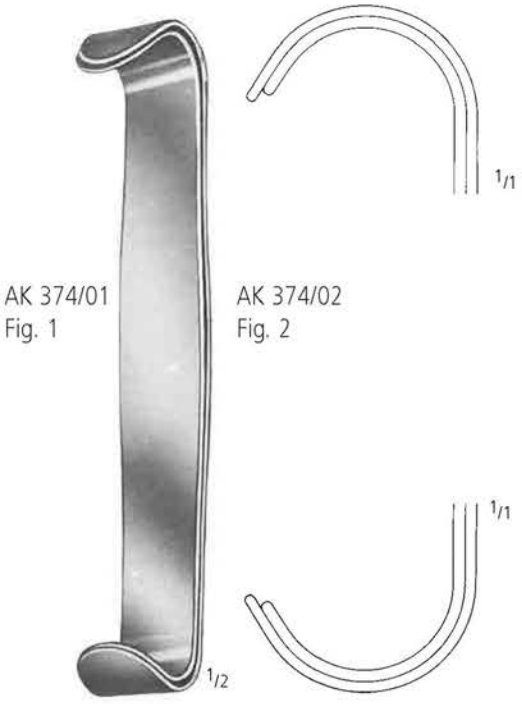

**DEAVER**
AK 300/04
30,0 cm/12"




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



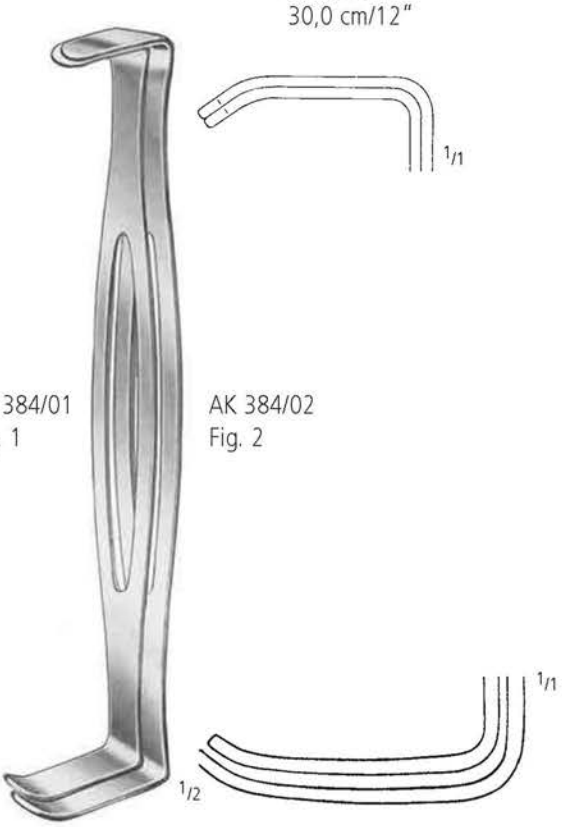

**DEAVER**
AK 300/09
30,0 cm/12"




AK 374/01
Fig. 1

AK 374/02
Fig. 2

**PARKER**
AK 374/00 Fig. 1+2
18,0 cm/7"



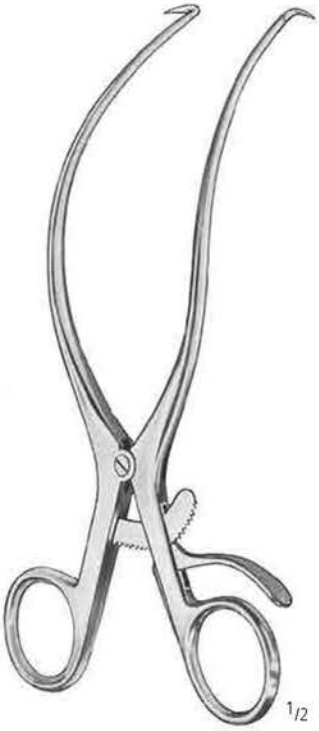

AK 384/01
Fig. 1

AK 384/02
Fig. 2

**PARKER-LANGENBECK (U.S. Army)**
AK 384/00 Fig. 1+2
21,0 cm/8¼"




**WEITLANER**
13,0 cm/5"
AK 520/13

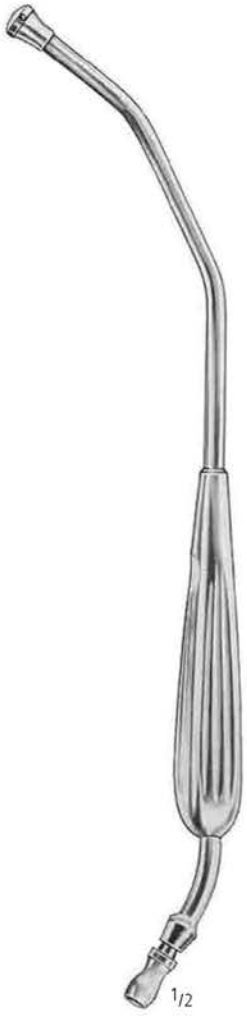



**GELPI**
AK 580/19
19,0 cm/7½"



biegsam
malleable
maleables
malléables
malleabili

33,0 cm/13"
30 mm AK 804/30
40 mm AK 804/40
50 mm AK 804/50




**YANKAUER**
AO 400/00
27,0 cm/11"




**WALTON-YANKAUER**
AO 404/00
32,5 cm/13"




**POOLE**
AO 421/22
8,0 mm




**FRAZIER**
10 Charr. AO 430/10

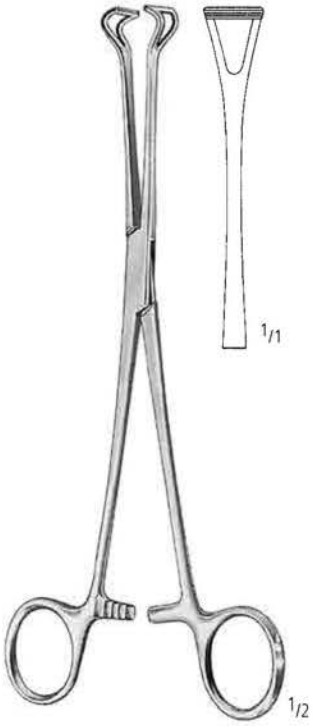



KA 520/40
Ø 30 mm
400 g (14 1/4 oz.)










**WILLIGER**
24,0 cm/9 1/2"

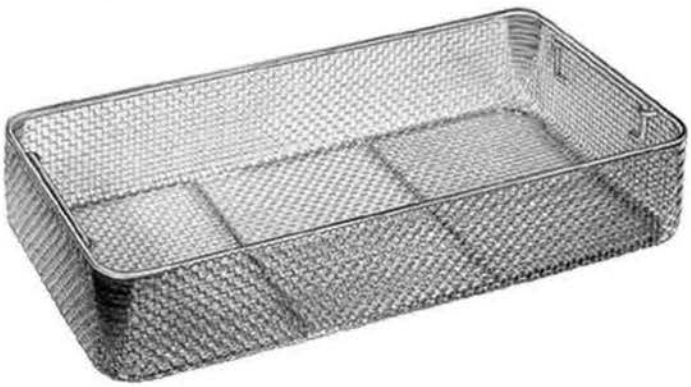
**ALLIS 5:6**
15,0 cm/6" KD 055/15
19,0 cm/7 1/2" KD 055/19

**ALLIS-ADAIR 10:11**
KD 060/15
15,0 cm/6"

**BABCOCK**
KD 111/16
16,0 cm/6 1/4"




**LEBSCHE**
KK 040/25
25,0 cm/10"



| L(mm) | B(mm) | H(mm) | |
|---|---|---|---|
| 540 | 255 | 70 | SK 307/07 |

# ENDARTERIEKTOMIE
# ENDARTERECTOMY
# ENDARTERECTOMIA
# ENDARTERECTOMIE
# ENDOARTERIECTOMIA

# SET

ZS 941/70

Siebvorschlag - Suggested instrument set

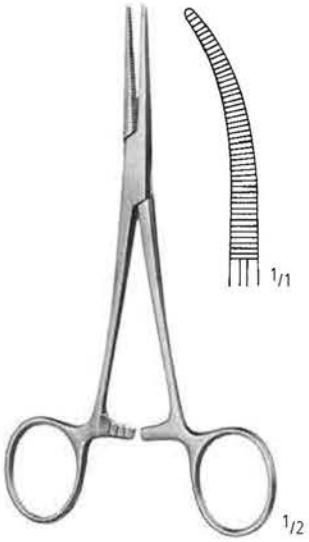
**ZS 941/70**

| Contents: | | Qty |
|---|---|---|
| **AA 151/12** | HALSTED-MOSQUITO FCPS. CVD. 12.5 CM | 12 |
| **AA 181/14** | CRILE FORCEPS CURVED 14.0 CM | 12 |
| **AA 201/16** | ROCHESTER-PEAN FCPS. CVD. 16.0 CM | 6 |
| **AA 348/18** | BABY-MIXTER ART. FCPS. CVD. 18.0 CM | 2 |
| **AA 751/13** | BACKHAUS TOWEL FORCEPS 13.0 CM | 6 |
| **AB 050/14** | STANDARD DRESSING FORCEPS STR. 14.5 CM | 2 |
| **AB 060/14** | STANDARD TISSUE FCPS. 1X2 TEETH STR. 14.5 CM | 2 |
| **AB 100/12** | ADSON DRESSING FORCEPS 12.0 CM | 2 |
| **AB 110/12** | ADSON TISSUE FCPS. 1X2 TEETH 12.0 CM | 2 |
| **AC 072/17** | MAYO-STILLE OPER. SCS. STR. BL/BL 17.0 CM | 1 |
| **AC 073/17** | MAYO-STILLE OPER. SCS. CVD. BL/BL 17.0 CM | 1 |
| **AC 111/18** | METZENBAUM-NELSON SCS. CVD. BL/BL 18.0 CM | 1 |
| **AC 219/45** | POTTS-SMITH ART. SCS. 45° DEGREE 19.0 CM | 1 |
| **AC 450/11** | IRIS SCISSORS STR. SH/SH 11.5 CM | 1 |
| **AC 451/11** | IRIS SCISSORS CVD. SH/SH 11.5 CM | 1 |
| **AD 010/03** | SCALPEL HANDLE NO.3 | 1 |
| **AE 070/15** | CRILE-WOOD NEEDLE HOLDER 15.0 CM | 2 |
| **AF 200/25** | FOERSTER-BALLENGER STR. SERRATED 25.0 CM | 4 |
| **AK 036/01** | CUSHING DELICATE HOOK FIG.1, 19.0 CM | 2 |
| **AK 245/22** | MIDDELDORPF RETRACTOR 20X22 MM 22.0 CM | 2 |
| **AK 247/01** | RICHARDSON RETRACTOR 28X20 MM 24.0 CM | 2 |
| **AK 384/00** | PARKER-LANGENBECK US-ARMY SET FIG.1+2 | 1 |
| **AL 003/13** | PROBE W. EYE 13.0 CM 2.0 MM | 2 |
| **AO 430/10** | FRAZIER BRAIN SUCTION TUBE CHARR10/17.0 CM | 2 |
| **KD 055/15** | ALLIS FCPS. 5X6T 15.0 CM | 4 |
| **KK 371/06** | GLOVER ATRAUMA-BULLDOG CLAMP CVD. 5.5 CM | 2 |
| **KK 371/07** | GLOVER ATRAUMA-BULLDOG CLAMP CVD. 6.5 CM | 2 |
| **KK 371/09** | GLOVER ATRAUMA-BULLDOG CLAMP CVD. 8.5 CM | 2 |
| **KS 638/01** | PENFIELD DURA DISSECTORS FIG.1, 17.5 CM | 1 |
| **SK 307/07** | WIRE BASKET, 540X255X70 MM | 1 |

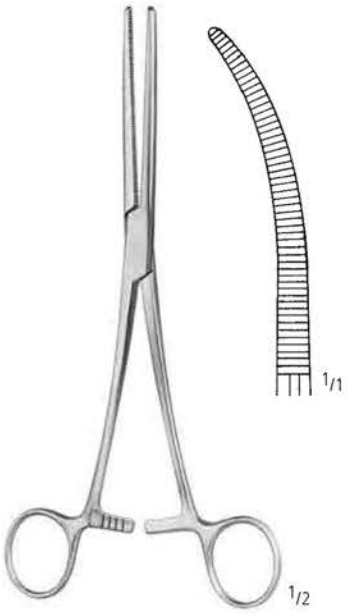
Sterilization Container KYE 200/51, if required.



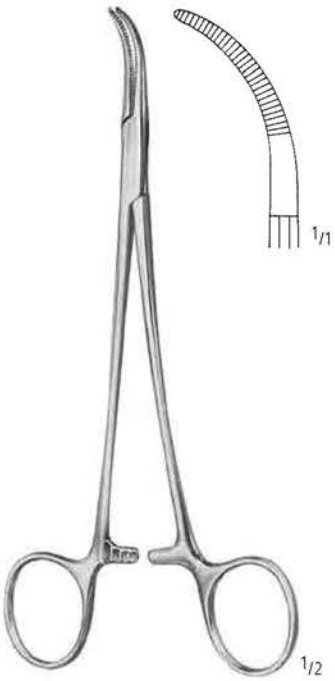

**HALSTED-MOSQUITO**
AA 151/12
12,5 cm/5"



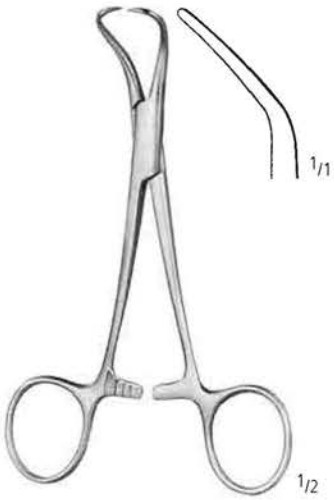

**CRILE**
AA 181/14
14,0 cm/5½"




**ROCHESTER-PEAN**
AA 201/16
16,0 cm/6¼"



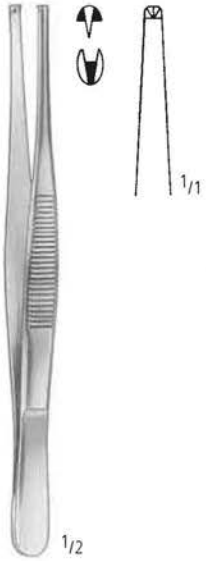

**BABY-MIXTER**
AA 348/18
18,0 cm/7"



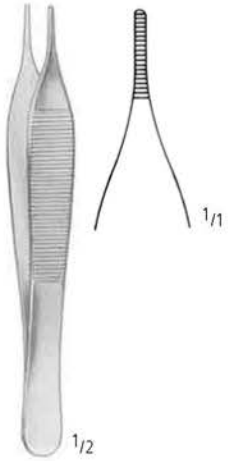

**BACKHAUS**
AA 751/13
13,0 cm/5"



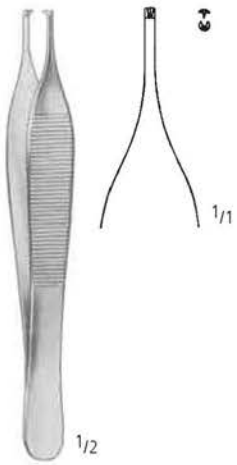

**STANDARD**
AB 050/14
14,0 cm/5½"




**STANDARD 1:2**
AB 060/14
14,5 cm/5¾"



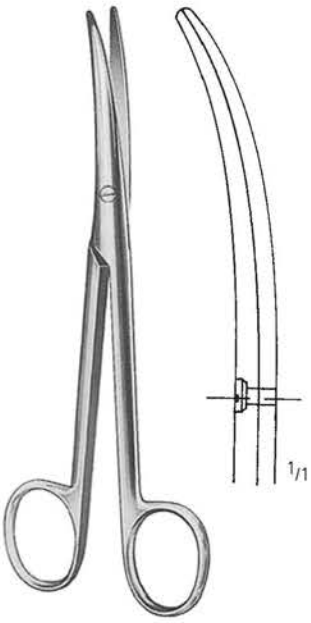

**ADSON**
AB 100/12
12,0 cm/4¾"



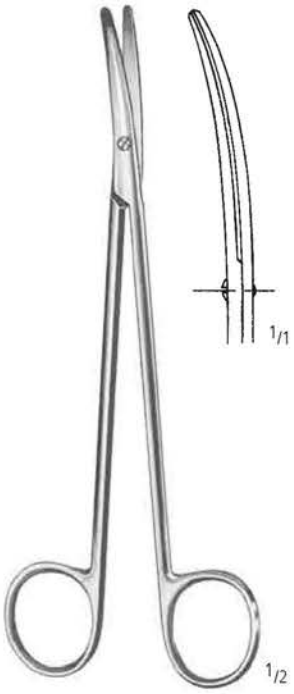

**ADSON 1:2**
AB 110/12
12,0 cm/4¾"



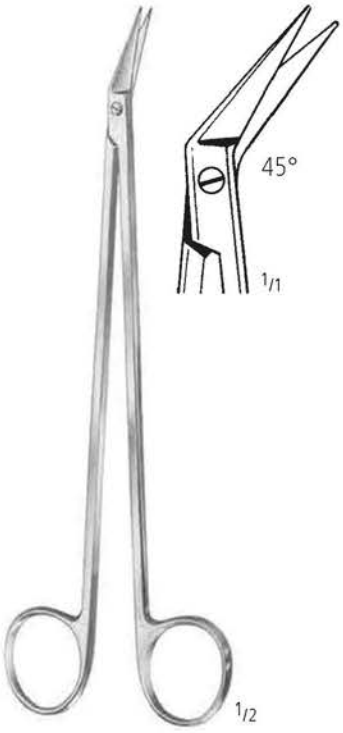
**MAYO-STILLE**
AC 072/17
17,0 cm/6¼"




**MAYO-STILLE**
AC 073/17
17,0 cm/6¼"




**METZENBAUM-NELSON**
AC 111/18
18,0 cm/7"




**POTTS-SMITH**
AC 219/45
19,0 cm/7½"

Irisscheren
Iris Scissors
Tijeras para iridectomía
Ciseaux à iridectomie
Forbici per iridectomia



AC 450/11
11,5 cm/4½"



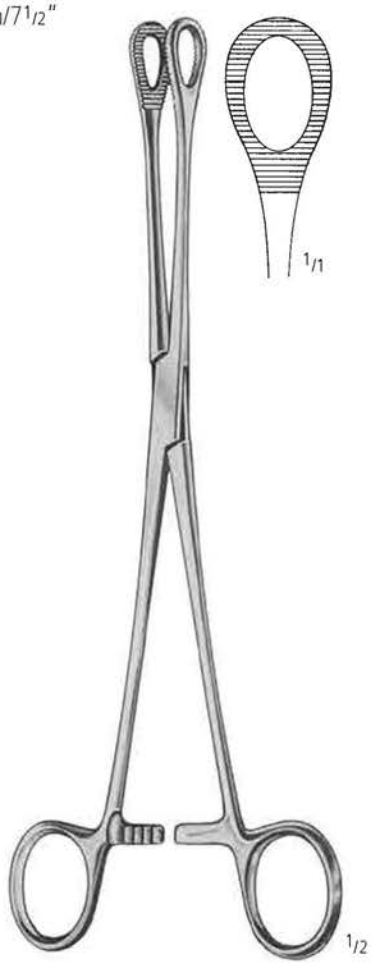
AC 451/11
11,5 cm/4½"



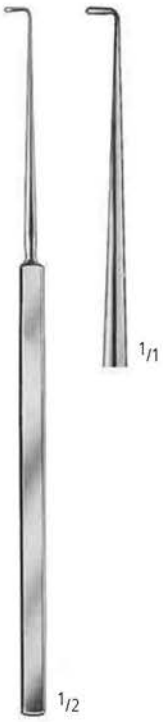

AD 010/03
No. 3




**CRILE-WOOD**
AE 070/15
15,0 cm/6"



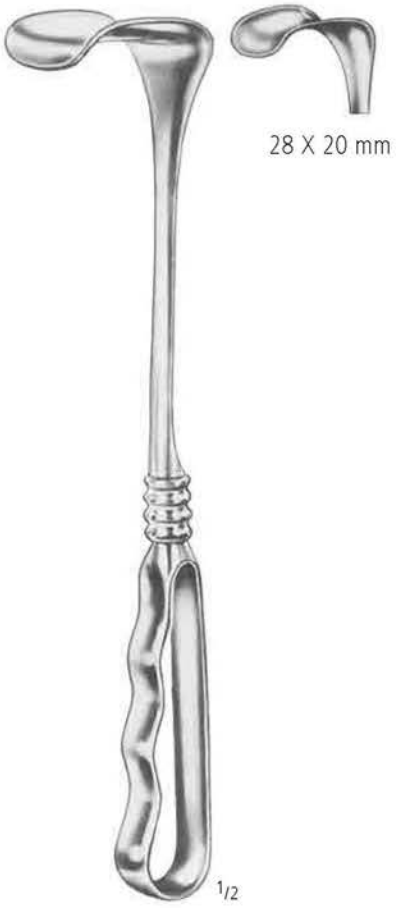

**FOERSTER-BALLENGER**
AF 200/25
25,0 cm/10"



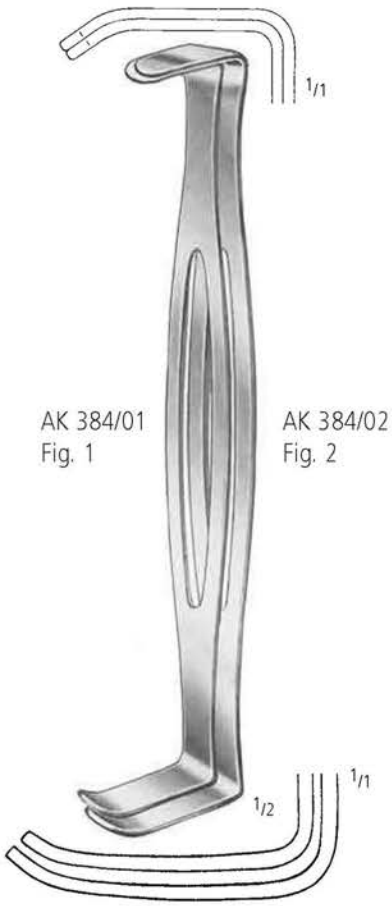

**CUSHING**
AK 036/01
19,0 cm/7 1/2"




**MIDDELDORPF**
AK 245/22
22,0 cm/8 3/4"




**RICHARDSON (KELLY)**
AK 247/01
24,0 cm/9 1/2"




**PARKER-LANGENBECK (U.S. Army)**
AK 384/00 Fig. 1+2
21,0 cm/8 1/4"




AL 003/13
13,0 cm/5"



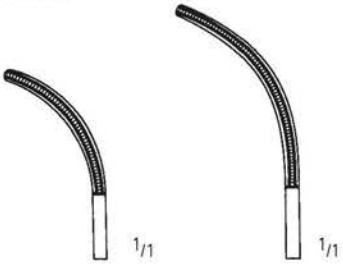

**FRAZIER**
10 Charr. AO 430/10




**ALLIS 5:6**
KD 055/15
15,0 cm/6"




**GLOVER**




KK 371/06
5,5 cm/2 1/4"

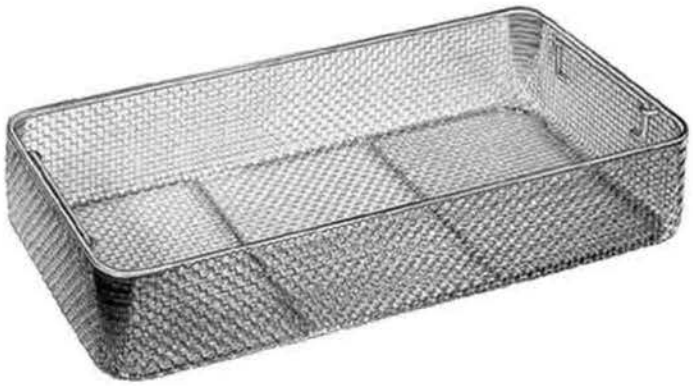
KK 371/07
6,5 cm/2 1/2"




KK 371/09
8,5 cm/3 1/3"




**PENFIELD**
KS 638/01
17,5 cm/7“



| L(mm) | B(mm) | H(mm) | |
|---|---|---|---|
| 540 | 255 | 70 | SK 307/07 |

# THORAKOTOMIE
# THORACOTOMY
# THORACOTOMIA
# THORACOTOMIE
# THORACOTOMIA

# SET

ZS 941/01

Siebvorschlag - Suggested instrument set

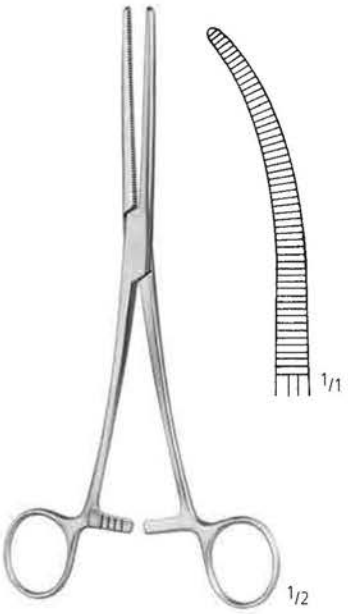
**ZS 941/01**

| Contents: | | Qty |
|---|---|---|
| **AA 151/12** | HALSTED-MOSQUITO FCPS. CVD. 12.5 CM | 12 |
| **AA 201/16** | ROCHESTER-PEAN FCPS. CVD. 16.0 CM | 12 |
| **AA 355/23** | MIXTER FORCEPS CVD. 23.0 CM | 2 |
| **AA 751/08** | BACKHAUS TOWEL FORCEPS 8.0 CM | 12 |
| **AB 200/25** | POTTS-SMITH DRESSING FORCEPS STR. 25.0 CM | 2 |
| **AB 210/25** | POTTS-SMITH TISS. FCPS. STR. 1X2 TEETH 25.0 CM | 1 |
| **AB 418/23** | NELSON GRASPING FCPS. 23.0 CM | 1 |
| **AC 111/28** | METZENBAUM-NELSON SCS. CVD. BL/BL 28.0 CM | 1 |
| **AE 130/27** | MASSON NEEDLE HOLDER 27.0 CM | 1 |
| **AK 150/04** | VOLKMANN RETR. SHARP 4 PRONGS 21.5 CM | 2 |
| **AK 230/02** | LANGENBECK RETRACTOR 22.0 CM 30X14 MM | 2 |
| **AK 337/90** | DAVIDSON RETRACTOR 75X90 MM 16.0 CM | 1 |
| **KA 550/53** | MALLET 530G STEEL SOLID Ø 42/30 MM 24.0 CM | 1 |
| **KA 677/15** | LAMBOTTE RASPATORIES 15.0 MM | 1 |
| **KA 681/17** | DOYEN PERIOST. RASPATORY CVD. LEFT 17.0 CM | 1 |
| **KA 683/17** | DOYEN PERIOST. RASPATORY CVD. RIGHT 17.0 CM | 1 |
| **KA 763/19** | SEMB BONE HOLDING FCPS. W/O RATCHET 19.0 CM | 1 |
| **KA 853/22** | STILLE-LUER BONE RONGEURS CVD. 22.0 CM | 1 |
| **KD 124/23** | DUVAL INT. TISSUE FCPS. LARGE 23.0 CM | 2 |
| **KK 018/34** | BETHUNE RIB SHEARS 34.0 CM | 1 |
| **KK 040/25** | LEBSCHE CHISEL 25.0 CM | 1 |
| **KK 092/02** | FINOCCHIETTO RIB SPREADER 46X62X190 MM | 1 |
| **KK 170/19** | SELLORS RIB CONTRACTOR 19.0 CM | 1 |
| **KK 180/32** | ALLISON LUNG SPATULA 32.0 CM | 1 |
| **KK 701/22** | PRICE-THOMAS FORCEPS 22.0 CM | 1 |
| **KK 703/02** | SEMB BRONCHUS CLAMPS 22.0 CM | 1 |
| **SK 307/07** | WIRE BASKET, 540X255X70 MM | 1 |

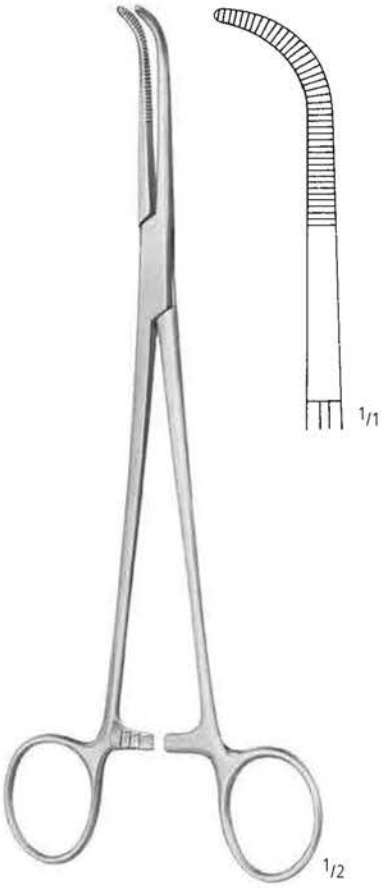
Sterilization Container KYE 200/51, if required.



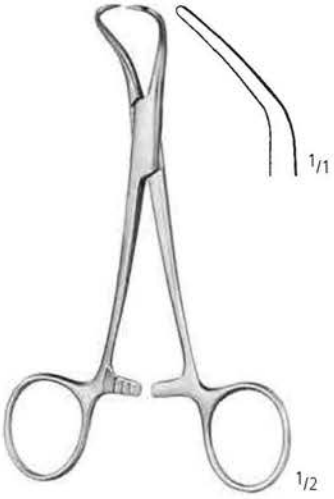

**HALSTED-MOSQUITO**
AA 151/12
12,5 cm/5"



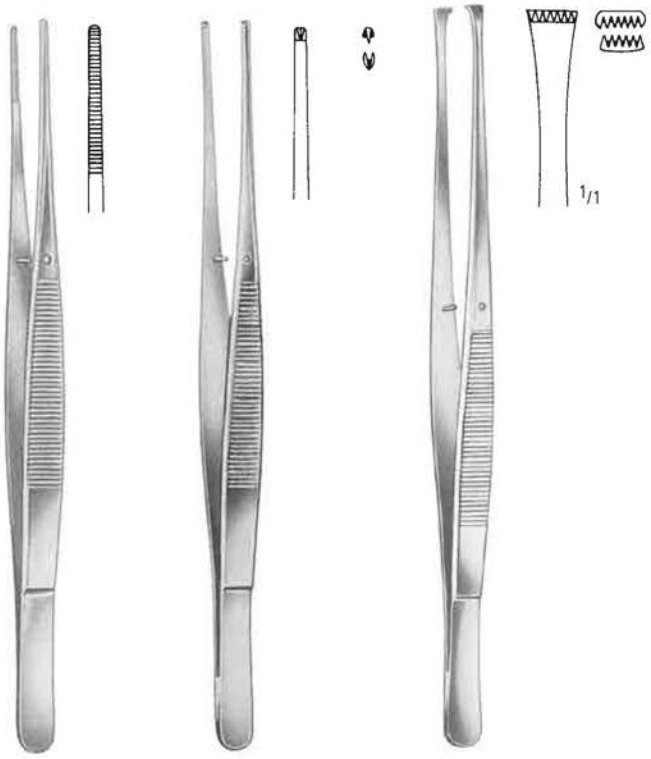

**ROCHESTER-PEAN**
AA 201/16
16,0 cm/6¼"




**MIXTER**
AA 355/23
23,0 cm/9"



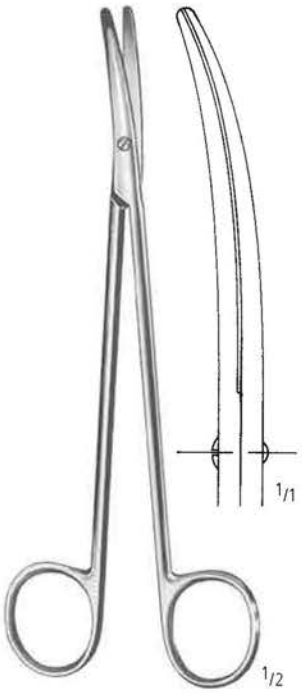

**BACKHAUS**
AA 751/08
8,0 cm/3"




**POTTS-SMITH**
AB 200/25
25,0 cm/10"

**POTTS-SMITH 1:2**
AB 210/25
25,0 cm/10"

**NELSON**
AB 418/23
23,0 cm/9"




**METZENBAUM-NELSON**
AC 111/28
28,0 cm/11"




**MASSON**
AE 130/27
27,0 cm/10¾"




**VOLKMANN**
AK 150/04
21,5 cm/8½"



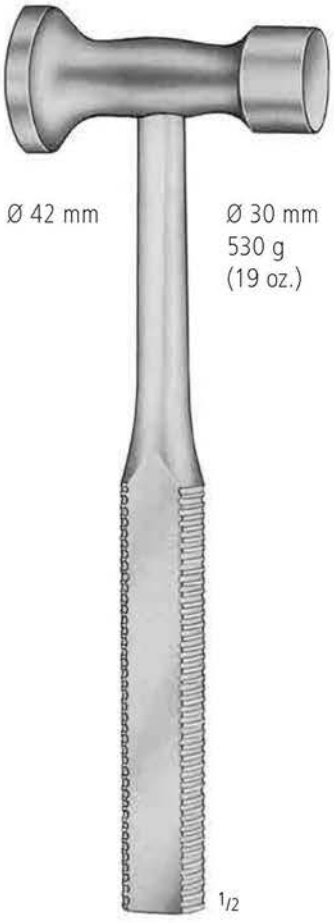

30 x 14 mm

**LANGENBECK**
AK 230/02
22,0 cm/8¾"




75 x 90 mm

**DAVIDSON**
AK 337/90
16,0 cm/6¼"




KA 550/53
24,0 cm/9½"

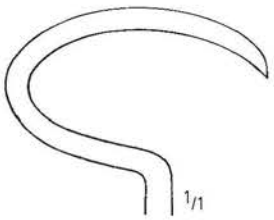



**LAMBOTTE**
KA 677/15
21,0 cm/8¼"

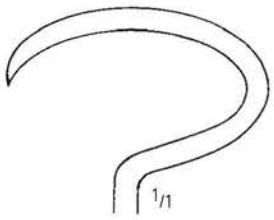



**DOYEN**

17,0 cm/6¾"




KA 681/17



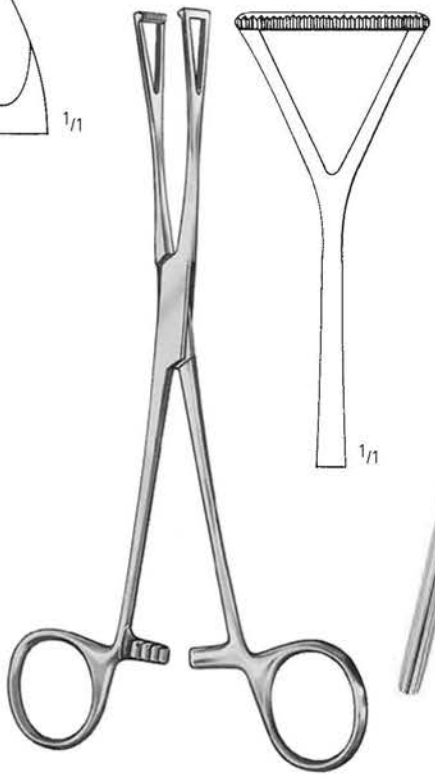

KA 683/17




**SEMB**
KA 763/19
19,0 cm/7½"




**STILLE-LUER**
KA 853/22
22,0 cm/8¾"




**DUVAL**
KD 124/23
23,0 cm/9"




**BETHUNE**
KK 018/34
34,0 cm/13½"




**LEBSCHE**
KK 040/25
25,0 cm/10"



| B | H | C |
|---|---|---|
| 46 mm | 62 mm | 190 mm |

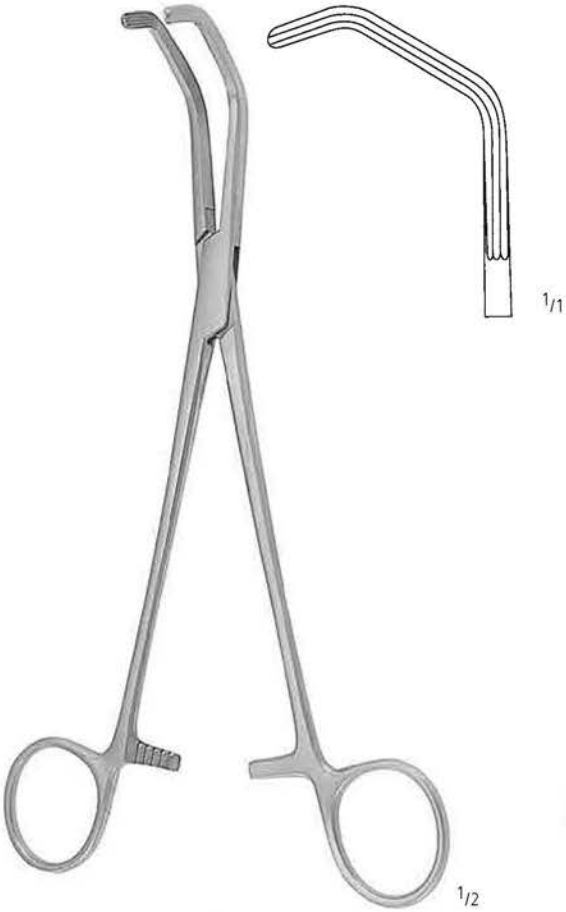
**FINOCCHIETTO**
KK 092/02



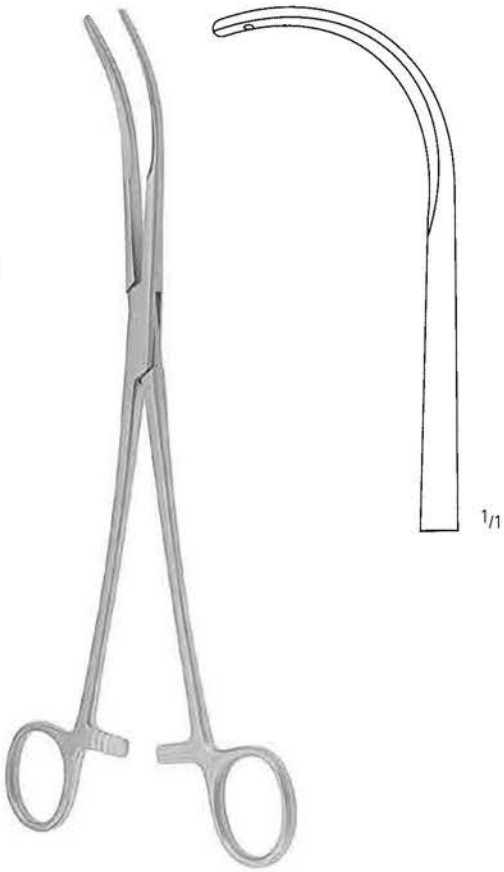

**SELLORS**
KK 170/19
19,0 cm/7½"



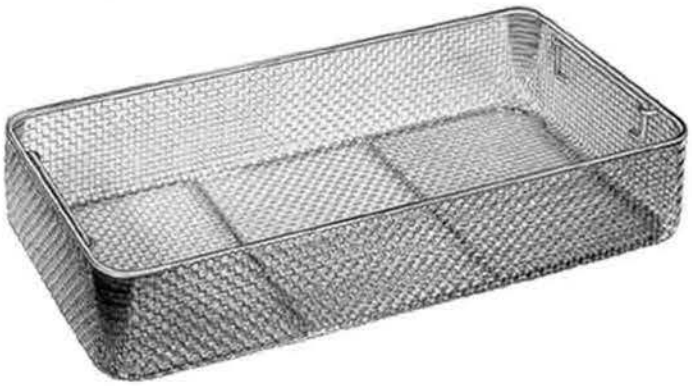

**ALLISON**
KK 180/32
32,0 cm/12½"




**PRICE-THOMAS**
KK 701/22
22,0 cm/8¾"




**SEMB**
KK 703/02
24,0 cm/9½"



| L(mm) | B(mm) | H(mm) | |
|---|---|---|---|
| 540 | 255 | 70 | SK 307/07 |

# KORONAR ARTERIEN-BYPASS
# CORONARY BYPASS
# BYPASS CORONARIO
# PONTAGE AORTO-CORONARIEN
# BYPASS AORTO-CORONARICO

# SET

ZS 941/60

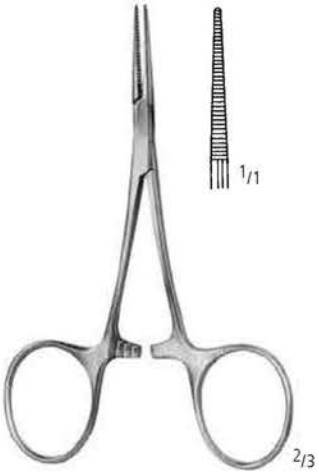
Siebvorschlag - Suggested instrument set

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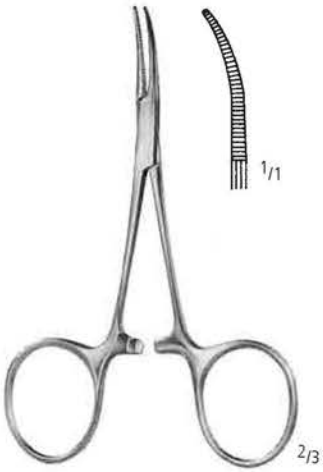
**ZS 941/60**

| Contents: | | Qty |
|---|---|---|
| **AA 114/10** | HARTMANN FORCEPS STR. 10.0 CM | 6 |
| **AA 115/10** | HARTMANN FORCEPS CVD. 10.0 CM | 6 |
| **AA 347/19** | MIXTER-O'SHAUGNESSY ART. FCPS. CVD. 19.0 CM | 2 |
| **AB 860/16** | DE BAKEY ATRAUMA FCPS. STR. 1.5 MM 16.0 CM | 2 |
| **AB 860/20** | DE BAKEY ATRAUMA FCPS. STR. 1.5 MM 20.0 CM | 2 |
| **AB 860/24** | DE BAKEY ATRAUMA FCPS. STR. 1.5 MM 24.0 CM | 2 |
| **AC 214/15** | REYNOLDS DISS. SCISSORS STR. SHARP 15.0 CM | 1 |
| **AC 224/01** | HEGEMANN-DIETHRICH VASC. SCS. 25° DEG 19.0 CM | 1 |
| **AC 224/02** | HEGEMANN-DIETHRICH VASC. SCS. 45° DEG 19.0 CM | 1 |
| **AC 224/03** | HEGEMANN-DIETHRICH VASC. SCS. 60° DEG 19.0 CM | 1 |
| **AC 224/04** | HEGEMANN-DIETHRICH VASC. SCS. 90° DEG 19.0 CM | 1 |
| **AC 224/05** | HEGEMANN-DIETHRICH VASC. SCS. 125° DEG 19.0 CM | 1 |
| **AE 430/15** | RYDER/FRENCH-EYE NEEDLE HOLDER TUC 15.0 CM | 1 |
| **AE 430/18** | RYDER/FRENCH-EYE NEEDLE HOLDER TUC 18.0 CM | 1 |
| **AE 434/15** | MICRO RYDER NEEDLE HOLDER TUC 15.0 CM | 1 |
| **KC 130/01** | BAKES GALL DUCT DILATOR FIG.1, 30.0 CM | 1 |
| **KC 130/02** | BAKES GALL DUCT DILATOR FIG.2, 30.0 CM | 1 |
| **KC 130/03** | BAKES GALL DUCT DILATOR FIG.3, 30.0 CM | 1 |
| **KC 130/04** | BAKES GALL DUCT DILATOR FIG.4, 30.0 CM | 1 |
| **KC 130/05** | BAKES GALL DUCT DILATOR FIG.5, 30.0 CM | 1 |
| **KC 130/06** | BAKES GALL DUCT DILATOR FIG.6, 30.0 CM | 1 |
| **KC 130/07** | BAKES GALL DUCT DILATOR FIG.7, 30.0 CM | 1 |
| **KC 130/08** | BAKES GALL DUCT DILATOR FIG.8, 30.0 CM | 1 |
| **KC 130/09** | BAKES GALL DUCT DILATOR FIG.9, 30.0 CM | 1 |
| **KC 130/10** | BAKES GALL DUCT DILATOR FIG.10, 30.0 CM | 1 |
| **KC 130/11** | BAKES GALL DUCT DILATOR FIG.11, 30.0 CM | 1 |
| **KK 453/20** | DE BAKEY FORCEPS 20.0 CM | 1 |
| **SK 307/07** | WIRE BASKET, 540X255X70 MM | 1 |

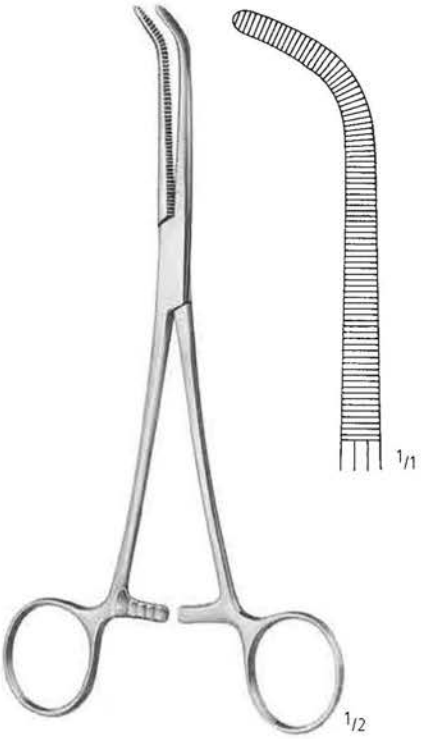
Sterilization Container KYE 200/51, if required.



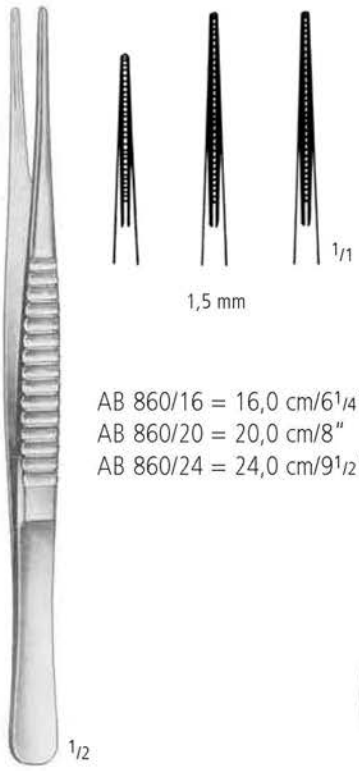

**HARTMANN**
AA 114/10
10,0 cm/4"




**HARTMANN**
AA 115/10
10,0 cm/4"

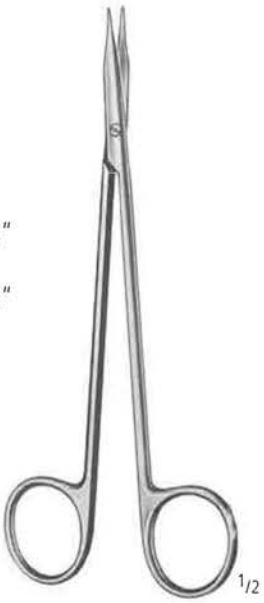



**MIXTER-O'SHAUGNESSY**
AA 347/19
19,0 cm/7 1/2"

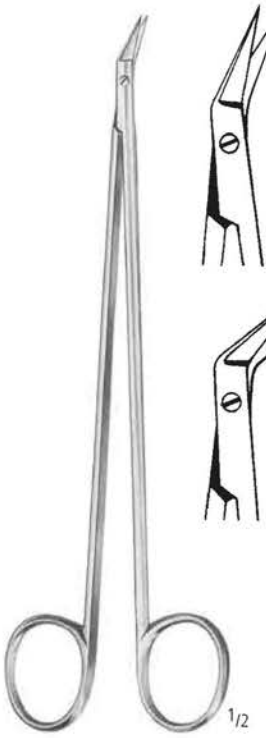



AB 860/16 = 16,0 cm/6 1/4"
AB 860/20 = 20,0 cm/8"
AB 860/24 = 24,0 cm/9 1/2"

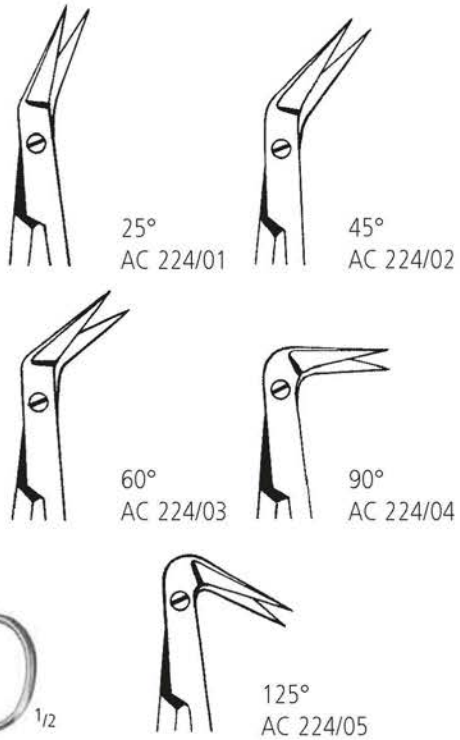
**DE BAKEY**




**REYNOLDS**
AC 214/15
15,0 cm/6"




**HEGEMANN-DIETHRICH**
19,0 cm/7 1/2"



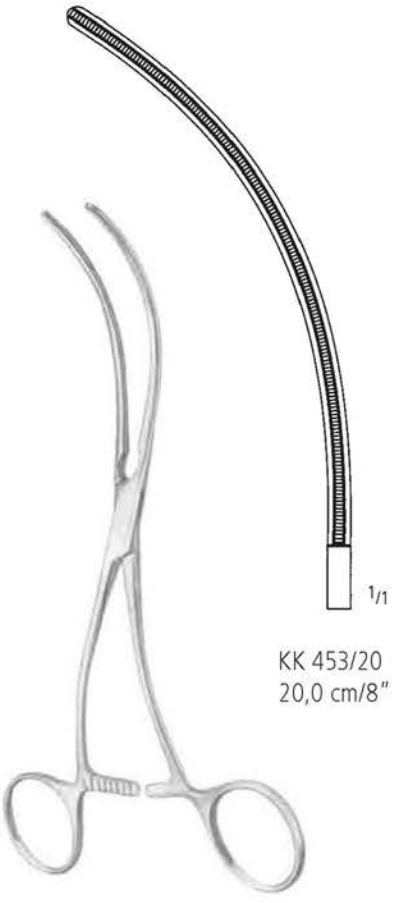



AE 430/15
15,0 cm/6"

AE 430/18
18,0 cm/7"

AE 434/15
15,0 cm/6"

**RYDER/FRENCH-EYE**




KK 453/20
20,0 cm/8"

**DE BAKEY**




**BAKES**
30,0 cm/12"

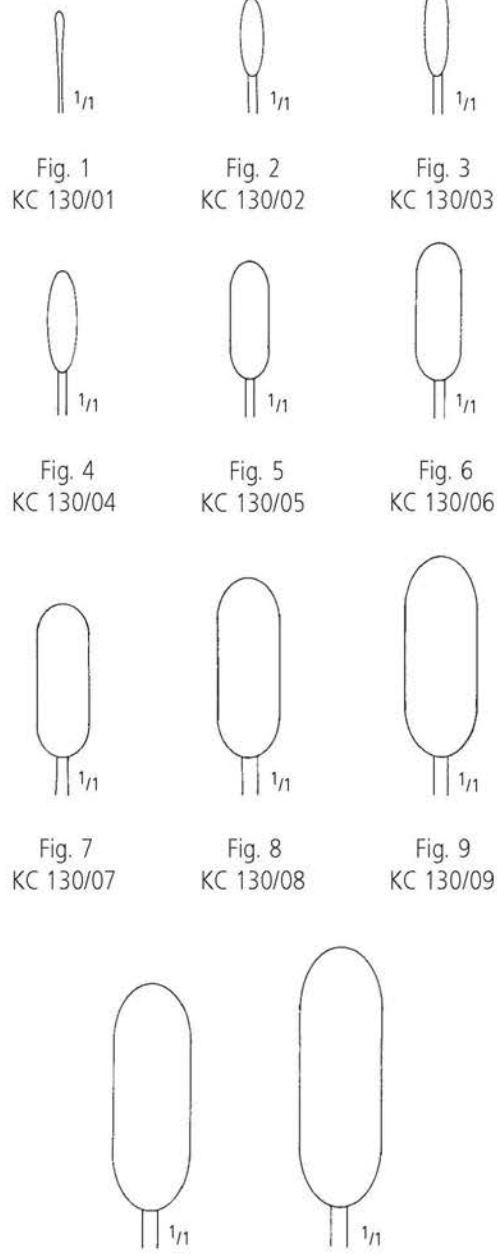



Fig. 1
KC 130/01

Fig. 2
KC 130/02

Fig. 3
KC 130/03

Fig. 4
KC 130/04

Fig. 5
KC 130/05

Fig. 6
KC 130/06

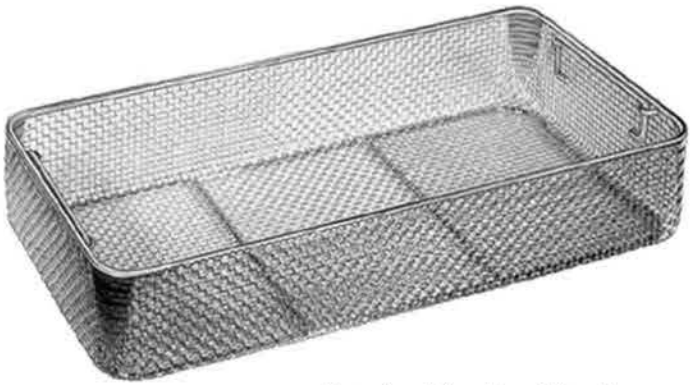
Fig. 7
KC 130/07

Fig. 8
KC 130/08

Fig. 9
KC 130/09

Fig. 10
KC 130/10

Fig. 11
KC 130/11



| L(mm) | B(mm) | H(mm) | |
|---|---|---|---|
| 540 | 255 | 70 | SK 307/07 |

# KLEMMEN
# HEMOSTATS
# PINZAS HEMOSTATICAS
# PINCES HEMOSTATIQUES
# PINZE EMOSTATICHE

# AA

nopa® instruments

Weitere Klemmen finden Sie in unserem Katalog „Allgemeine Chirurgie" in Gruppe AA.

For further hemostats kindly refer to our catalogue „General Surgery", section AA.

Para pinzas hemostaticas adicionales, por favor consulte nuestro catálogo de „Cirugía general", grupo AA.

Pour des pinces hemostatiques supplémentaires, consultez notre catalogue „Chirurgie Generale", section AA.

Per gli altri pinze emostatiche, consultare il nostro catalogo „Chirurgia Generale", gruppo AA.

>>



# titan instruments

# nopa® instruments

**Besonderheit:**

**nopa** Titan Instrumente bieten insbesondere in der Herz-Thorax-Chirurgie Vorteile gegenüber herkömmlichen Instrumenten. Titan ist ca. 45% leichter als rostfreier Edelstahl, weshalb Titan Instrumente weniger traumatisierend sind. Titan ist außerdem ein vollkommen korrosionsbeständiges und antimagnetisches Material. **nopa** Titan Instrumente bedeuten größtmöglichen Komfort für den Chirurgen.

**Features:**

**nopa** Titan Instruments provide especially in Cardiovascular surgery a significant advantage compared to other Instruments. Titan is approximately 45% lighter than stainless steel. For that reason, Titan Instruments are less traumatic. Besides that, Titan is a completely stainless and anti-magnetic material.
**nopa** Titan Instruments are the most comfortable choice for the Cardiovascular surgeon.

| | |
|---|---|
| **AA 114/10 T** | HARTMANN FORCEPS STR. 10.0 CM |
| **AA 115/10 T** | HARTMANN FORCEPS CVD. 10.0 CM |
| **AA 130/12 T** | MICRO-MOSQUITO FORCEPS STR. 12.0 CM |
| **AA 131/12 T** | MICRO-MOSQUITO FORCEPS CVD. 12.0 CM |
| **AA 132/12 T** | MICRO-MOSQUITO ARTERY FCPS. 1X2 STR. 12.0 CM |
| **AA 133/12 T** | MICRO-MOSQUITO ARTERY FCPS. 1X2 CVD. 12.0 CM |
| **AA 150/12 T** | HALSTED-MOSQUITO FORCEPS STR. 12.5 CM |
| **AA 151/12 T** | HALSTED-MOSQUITO FORCEPS CVD. 12.5 CM |
| **AA 152/12 T** | HALSTED-MOSQUITO ARTERY FCPS. 1X2 STR. 12.5 CM |
| **AA 153/12 T** | HALSTED-MOSQUITO FCPS. 1X2 CVD. 12.5 CM |
| **AA 160/15 T** | LERICHE ARTERY FCPS. STR. 15.0 CM |
| **AA 161/15 T** | LERICHE ARTERY CVD. 15.0 CM |
| **AA 162/15 T** | LERICHE ARTERY FCPS. STR. 1X2 T. 15.0 CM |
| **AA 163/15 T** | LERICHE ARTERY FCPS. CVD. 1X2 T. 15.0 CM |
| **AA 330/24 T** | CRAFOORD ARTERY FORCEPS CVD. 24.0 CM |

Gewebefasszängchen
Tissue Seizing Forceps
Pinzas para coger tejidos
Pinces pour saisir le tissu
Pinze per afferrare tessuti




**ALLIS-BABY 4:5**
KD 050/12
12,5 cm/5"




**ALLIS 4:5**
KD 054/15
15,0 cm/6"




**ALLIS 5:6**

| | |
|---|---|
| 15,0 cm/6" | KD 055/15 |
| 19,0 cm/7½" | KD 055/19 |
| 25,0 cm/10" | KD 055/25 |







KD 058/16
16,0 cm/6¼"

KD 058/20
20,0 cm/8"

KD 058/25
25,0 cm/10"

KD 058/30
30,0 cm/12"

**ALLIS**

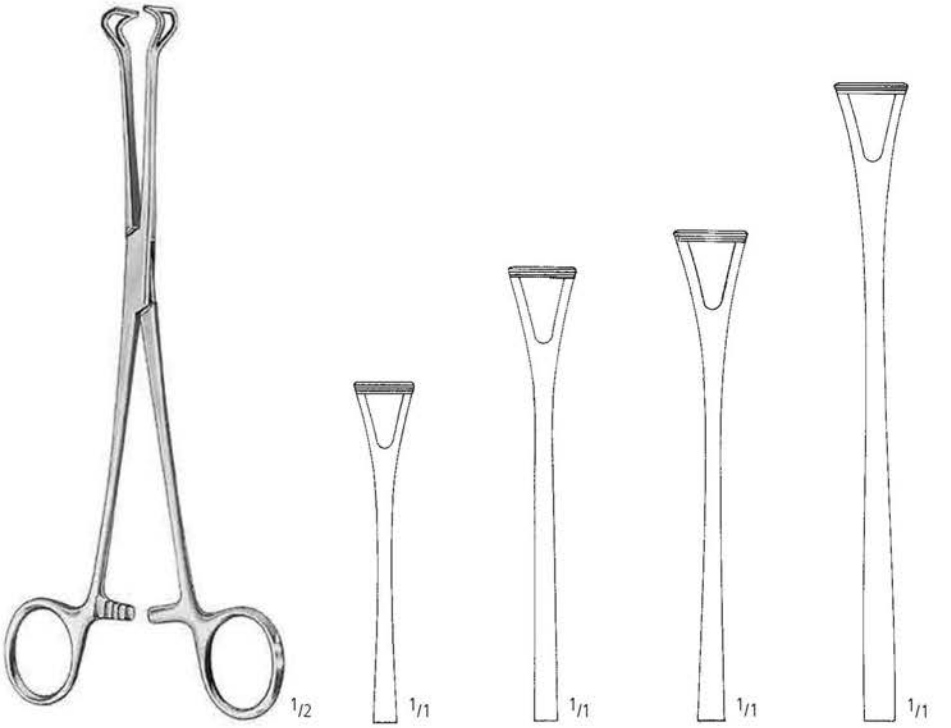



**ALLIS-ADAIR 10:11**
KD 060/15
15,0 cm/6"

Darmfasszangen
Tissue Seizing Forceps
Pinzas para coger intestinos
Pinces pour saisir l'intestin
Pinze per afferrare l'intestino




**BABCOCK**
16,0 cm/6¼" KD 100/16
20,0 cm/8" KD 100/20



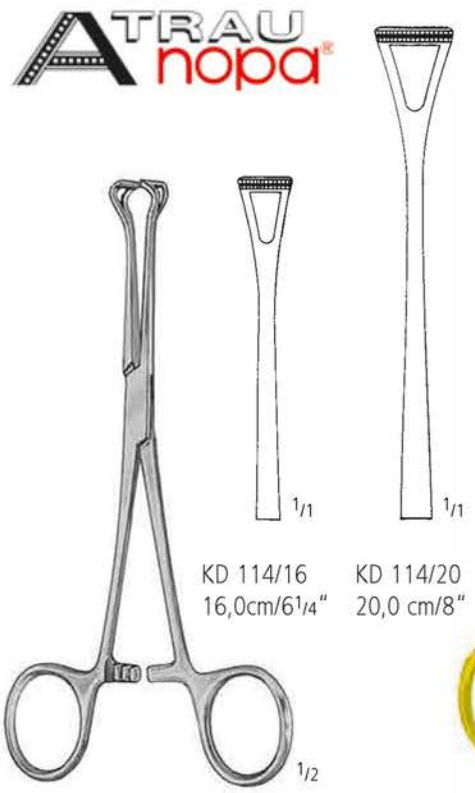

**BABCOCK**

KD 111/16
16,0 cm/6¼"

KD 111/18
18,0 cm/7"

KD 111/20
20,0 cm/8"

KD 111/24
24,0 cm/9½"



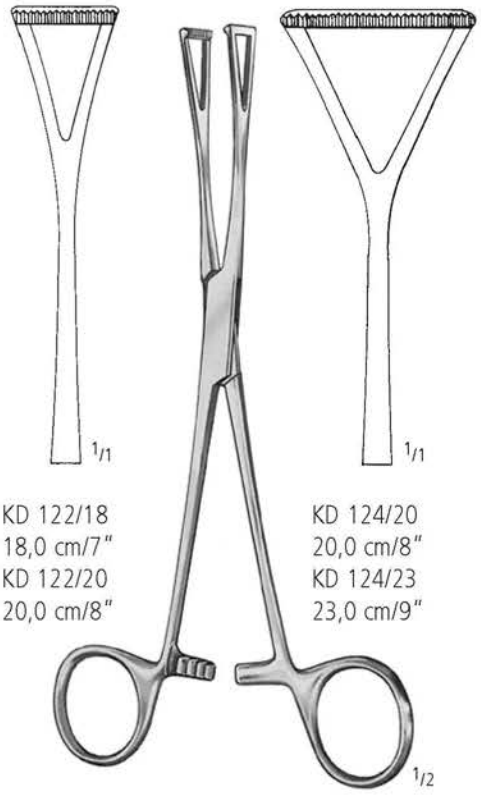

KD 114/16
16,0cm/6¼"

KD 114/20
20,0 cm/8"

**BABCOCK**




**DUVAL**
KD 120/20
20,0 cm/8"

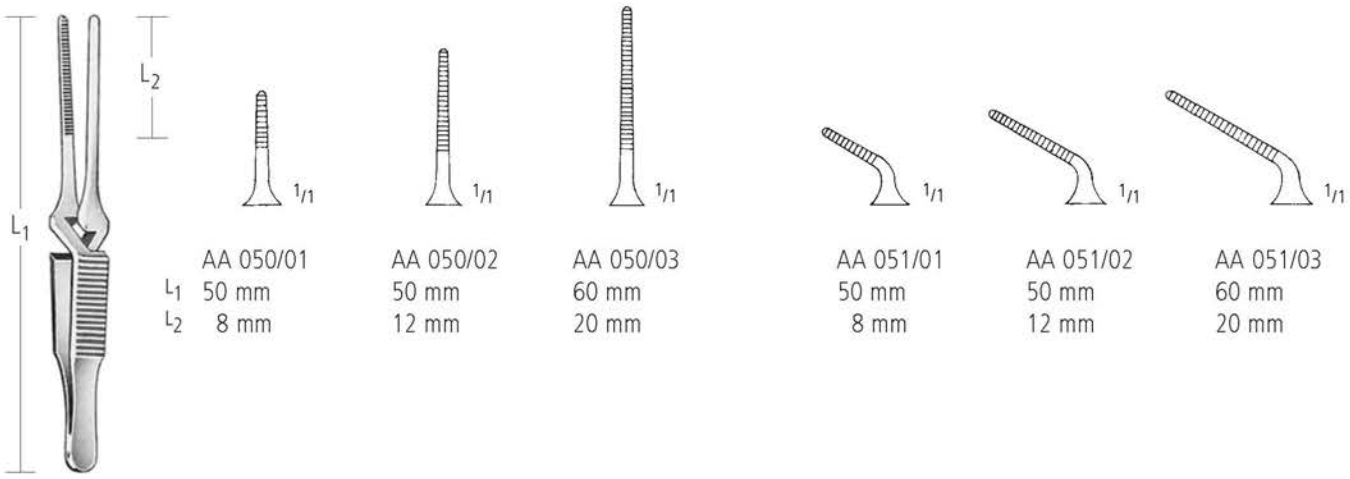



KD 122/18
18,0 cm/7"
KD 122/20
20,0 cm/8"

KD 124/20
20,0 cm/8"
KD 124/23
23,0 cm/9"

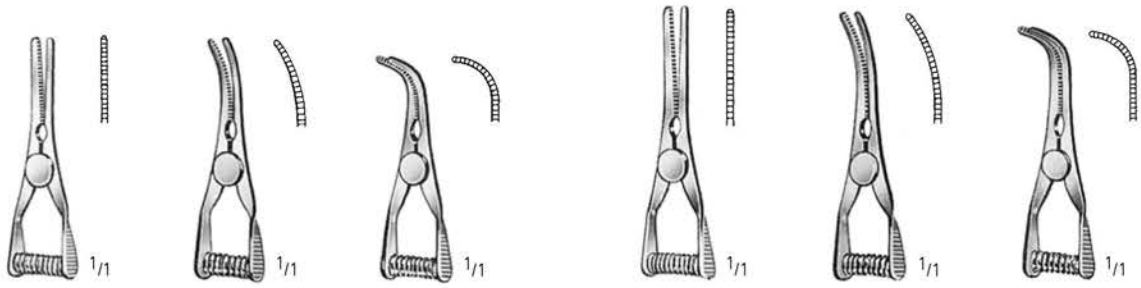
**DUVAL**

Bulldogklemmen
Bulldog Clamps
Clamps Bulldog
Clamps Bulldog
Pinze Bulldog

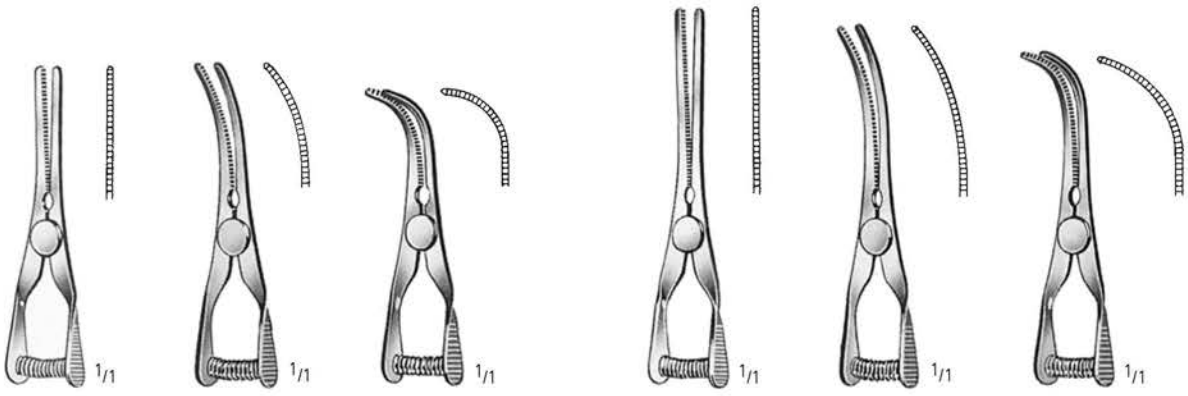



| | AA 050/01 | AA 050/02 | AA 050/03 | AA 051/01 | AA 051/02 | AA 051/03 |
|---|---|---|---|---|---|---|
| $L_1$ | 50 mm | 50 mm | 60 mm | 50 mm | 50 mm | 60 mm |
| $L_2$ | 8 mm | 12 mm | 20 mm | 8 mm | 12 mm | 20 mm |

| 3 gr. | 50 gr. |
|---|---|
| Gewicht | Druck |
| Weight | Pressure |
| Peso | Presión |
| Poids | Pression |
| Peso | Pressione |




| | **TITAN** 30 mm | | | **TITAN** 35 mm | | |
|---|---|---|---|---|---|---|
| **VENA** | AA 052/01 | AA 052/02 | AA 052/03 | AA 054/01 | AA 054/02 | AA 054/03 |
| **ARTERIA** | AA 053/01 | AA 053/02 | AA 053/03 | AA 055/01 | AA 055/02 | AA 055/03 |

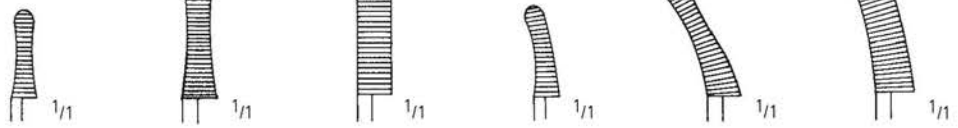



| | **TITAN** 40 mm | | | **TITAN** 50 mm | | |
|---|---|---|---|---|---|---|
| **VENA** | AA 056/01 | AA 056/02 | AA 056/03 | AA 058/01 | AA 058/02 | AA 058/03 |
| **ARTERIA** | AA 057/01 | AA 057/02 | AA 057/03 | AA 059/01 | AA 059/02 | AA 059/03 |

Bulldogklemmen, Anlegezange
Bulldog Clamps, Setting Forceps
Clamps Bulldog, Pinza para poner
Clamps Bulldog, Pince à poser
Pinze Bulldog, Pinza per posizionare




**DIEFFENBACH**




AA 060/03
3,5 cm/1 1/2"

AA 060/05
5,0 cm/2"

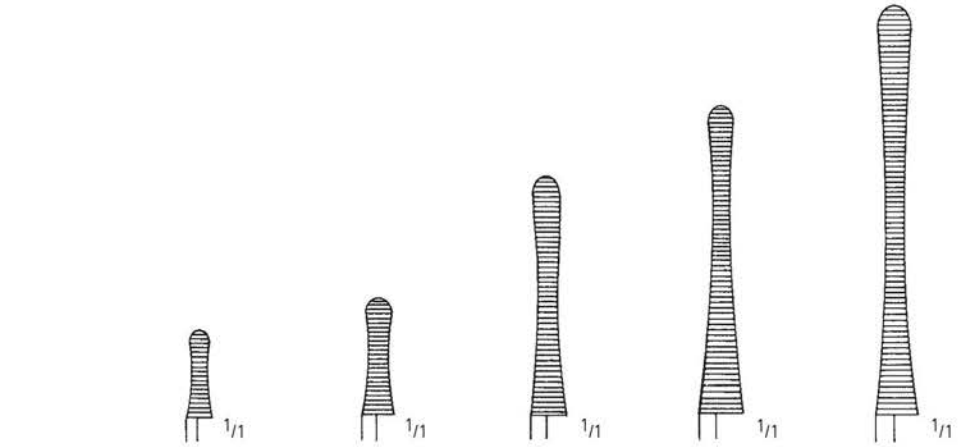
AA 060/06
6,0 cm/2 1/2"

AA 061/03
3,5 cm/1 1/2"

AA 061/05
5,0 cm/2"

AA 061/06
6,0 cm/2 1/2"



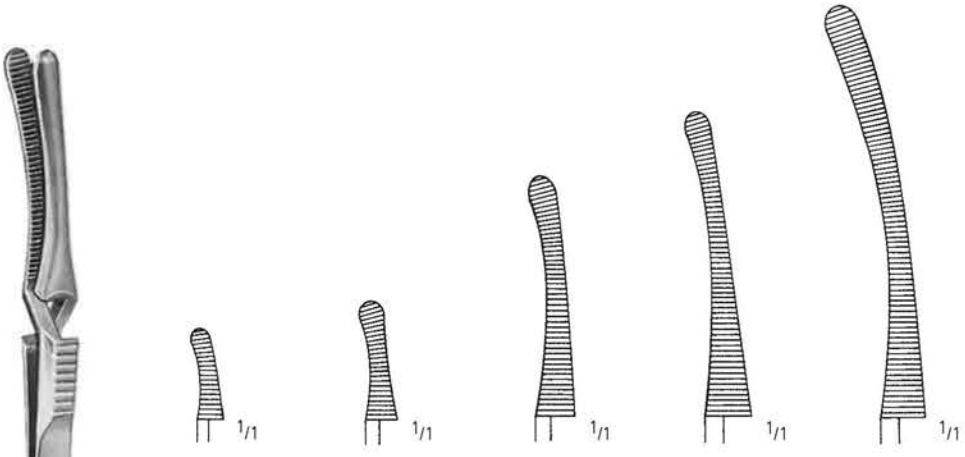

AA 070/04
4,0 cm/1 1/2"

AA 070/05
5,0 cm/2"

AA 070/06
6,5 cm/2 1/2"

AA 070/07
7,5 cm/3"

AA 070/09
9,0 cm/3 1/2"




AA 071/04
4,0 cm/1 1/2"

AA 071/05
5,0 cm/2"

AA 071/06
6,5 cm/2 1/2"

AA 071/07
7,5 cm/3"

AA 071/09
9,0 cm/3 1/2"




**JOHNS-HOPKINS**
AA 069/24
24,5 cm/9 3/4"

**JOHNS-HOPKINS**

Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche

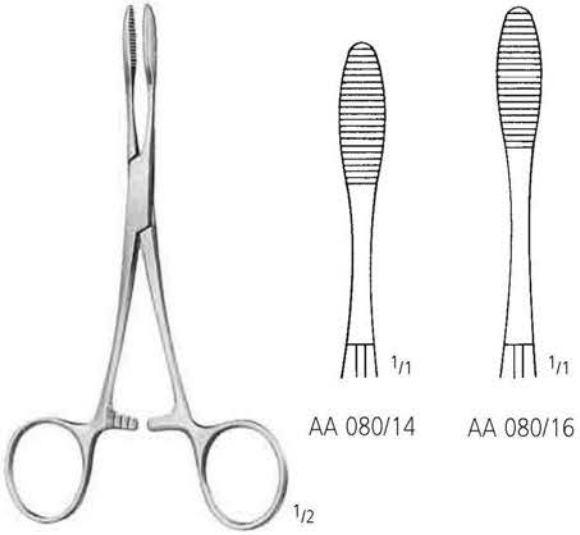



**CHAPUT**
AA 072/02
13,0 cm/5"




**TUFFIER**
AA 072/04
13,0 cm/5"

Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche




AA 080/14 AA 080/16

**PEAN**
14,0 cm/5 1/2" AA 080/14
16,0 cm/6 1/4" AA 080/16

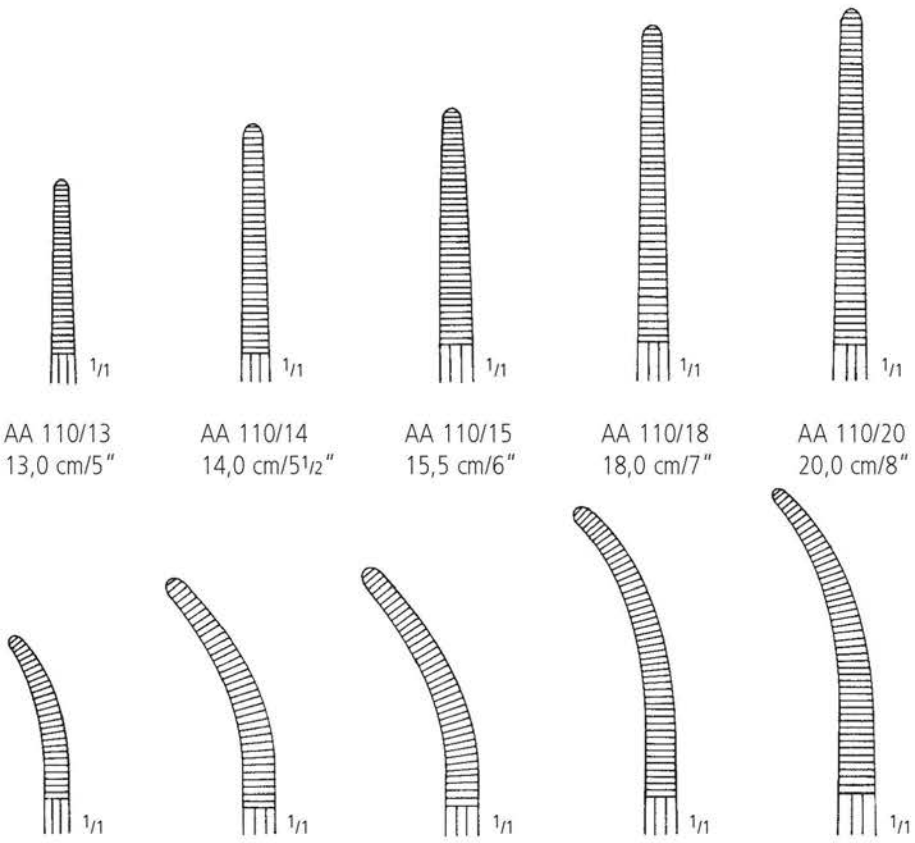



**KROENLEIN**
AA 082/13
13,0 cm/5"

Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche




**SPENCER-WELLS**




AA 110/13
13,0 cm/5"

AA 110/14
14,0 cm/5½"

AA 110/15
15,5 cm/6"

AA 110/18
18,0 cm/7"

AA 110/20
20,0 cm/8"

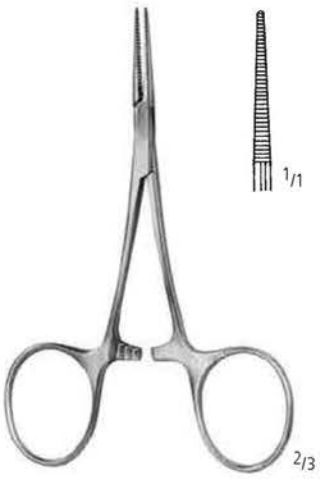
AA 111/13
13,0 cm/5"

AA 111/14
14,0 cm/5½"

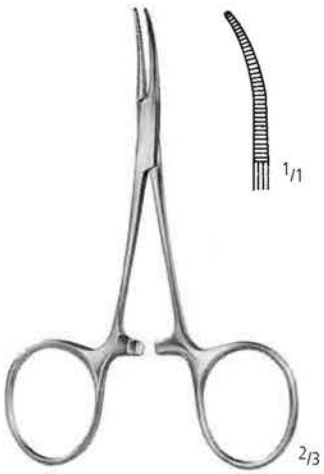
AA 111/15
15,5 cm/6"

AA 111/18
18,0 cm/7"

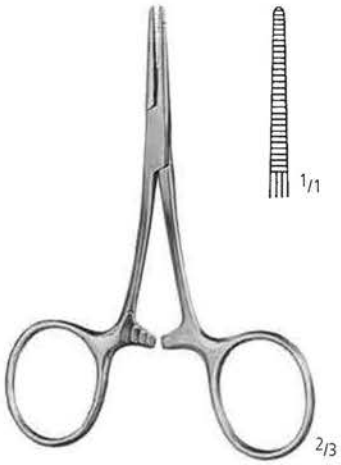
AA 111/20
20,0 cm/8"



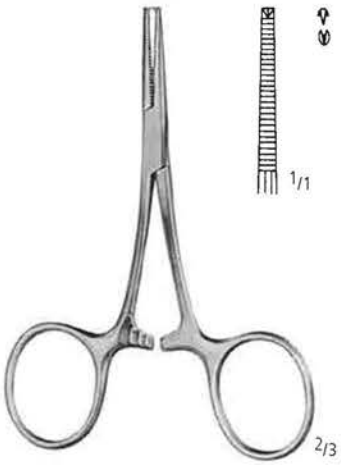

**HARTMANN**
AA 114/10
10,0 cm/4"




**HARTMANN**
AA 115/10
10,0 cm/4"

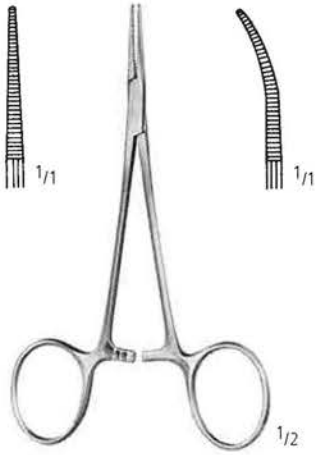



**CARREL**
AA 116/08
8,5 cm/3½"



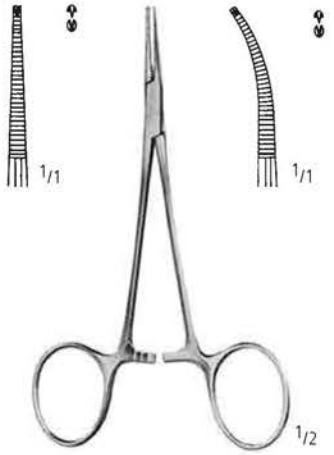

**TERRIER 1:2**
AA 118/08
8,5 cm/3½"

Feine Arterienklemmen
Fine Artery Forceps
Pinzas hemostáticas finas
Pinces hémostatiques fines
Pinze emostatiche fine




**MICRO-MOSQUITO**

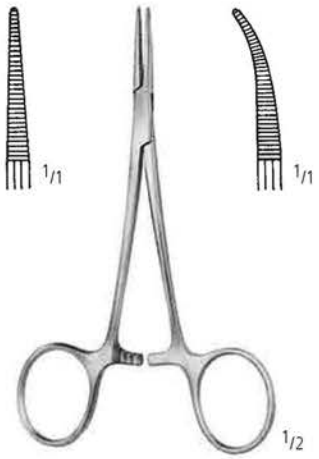
| | | |
|---|---|---|
| AA 130/10 | AA 131/10 | 10,0 cm/4" |
| AA 130/12 | AA 131/12 | 12,0 cm/4¾" |




**MICRO-MOSQUITO 1:2**

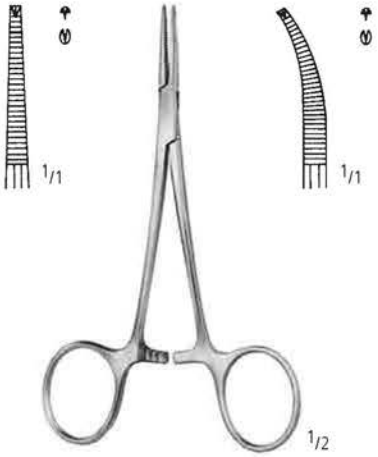
| | |
|---|---|
| AA 132/10 | AA 133/10 |
| AA 132/12 | AA 133/12 |

**WILLIAM STEWART HALSTED**
was professor of surgery in the Johns Hopkins University.
In 1890 he had bronze casts made of his own hands. On these casts the first surgical rubber gloves were moulded.




**HALSTED-MOSQUITO**

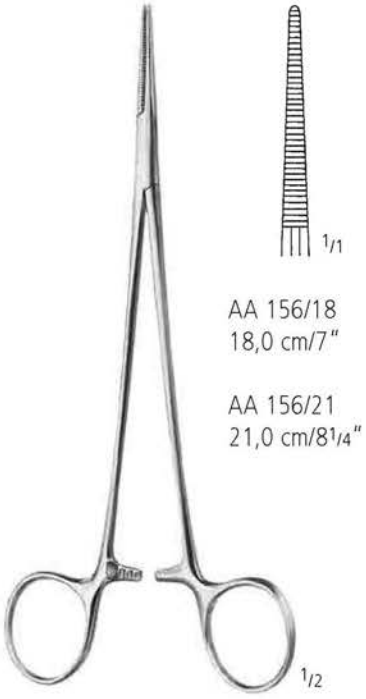
| | | |
|---|---|---|
| AA 150/12 | AA 151/12 | 12,5 cm/5" |
| AA 150/14 | AA 151/14 | 14,0 cm/5½" |




**HALSTED-MOSQUITO 1:2**

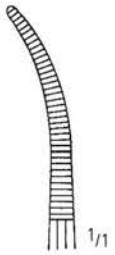
| | |
|---|---|
| AA 152/12 | AA 153/12 |
| AA 152/14 | AA 153/14 |

Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche




AA 156/18
18,0 cm/7"

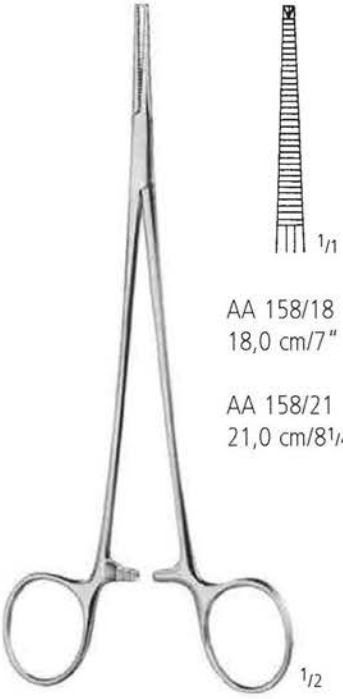
AA 156/21
21,0 cm/8¼"




AA 157/18
18,0 cm/7"

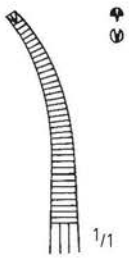
AA 157/21
21,0 cm/8¼"

**HALSTED**




AA 158/18
18,0 cm/7"

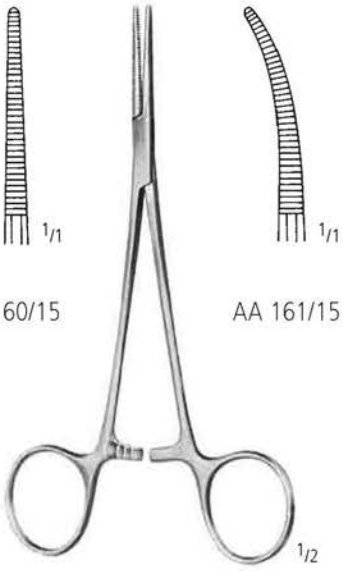
AA 158/21
21,0 cm/8¼"




AA 159/18
18,0 cm/7"

AA 159/21
21,0 cm/8¼"

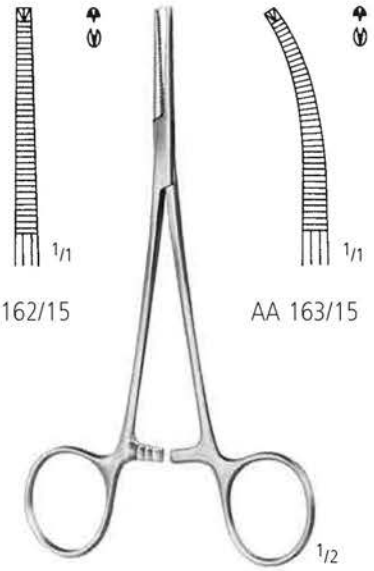
**HALSTED 1:2**




AA 160/15

AA 161/15

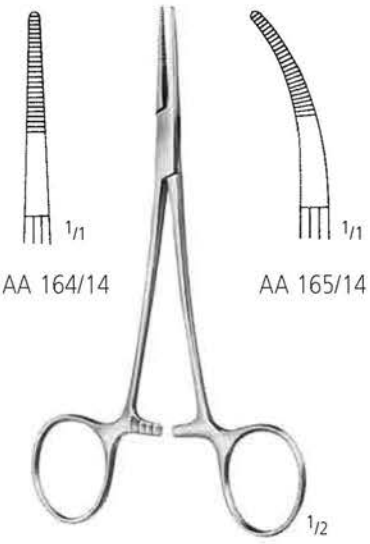
**LERICHE**
15,0 cm/6"




AA 162/15

AA 163/15

**LERICHE 1:2**
15,0 cm/6"

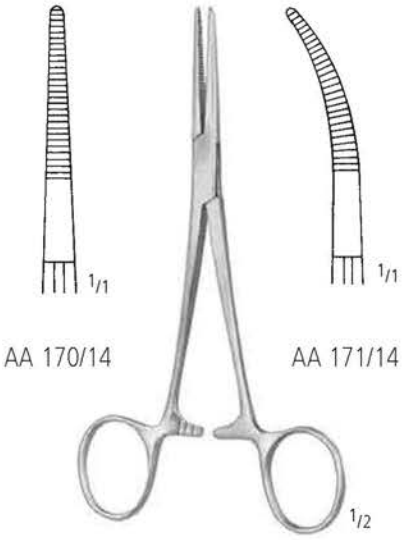



AA 164/14

AA 165/14

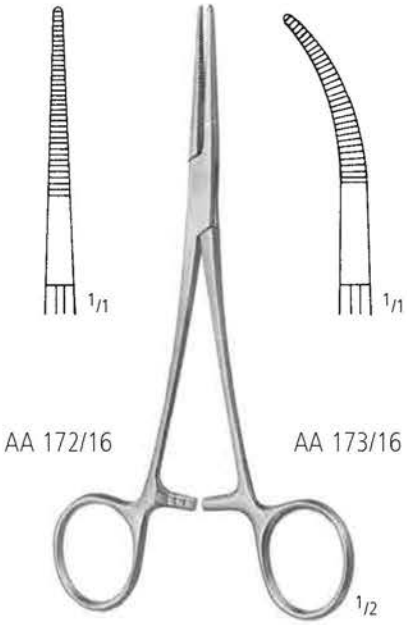
**PROVIDENCE-HOSPITAL**
14,0 cm/5½"

Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche



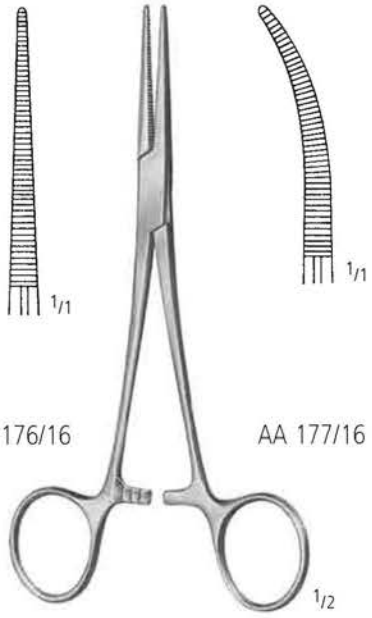

AA 170/14 AA 171/14

**KELLY**
14,0 cm/5½"




AA 172/16 AA 173/16

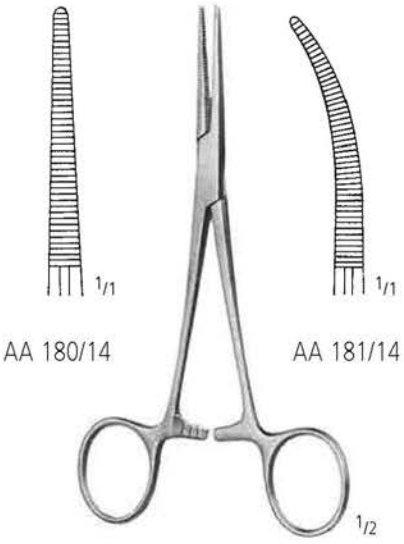
**KELLY-RANKIN**
16,0 cm/6¼"




AA 176/16 AA 177/16

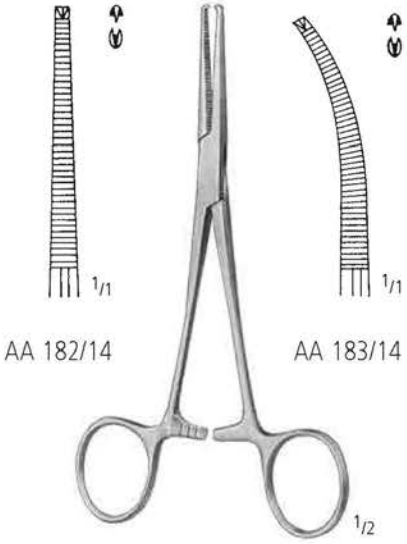
**COLLER**

| | | |
|---|---|---|
| AA 176/14 | 14,0 cm/5½" | AA 177/14 |
| AA 176/16 | 16,0 cm/6¼" | AA 177/16 |



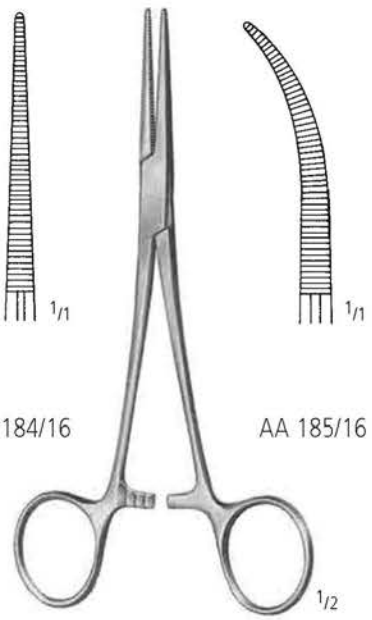

AA 180/14 AA 181/14

**CRILE**
14,0 cm/5½"




AA 182/14 AA 183/14

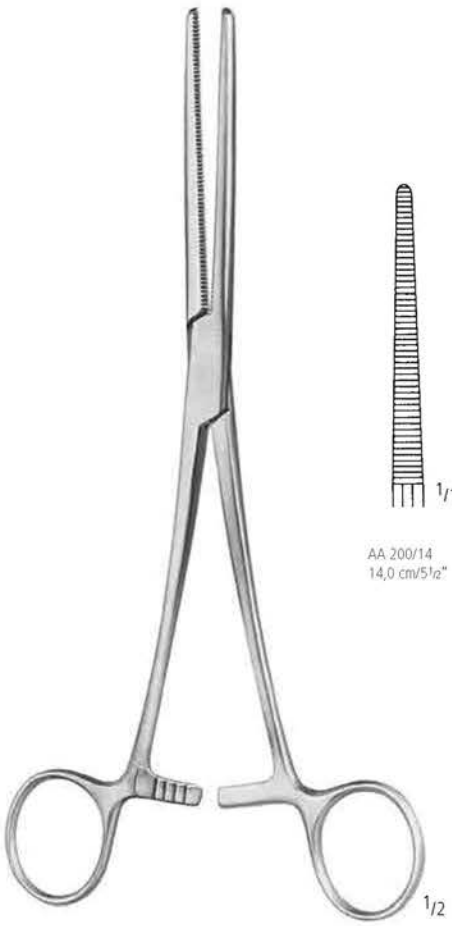
**CRILE 1:2**
14,0 cm/5½"



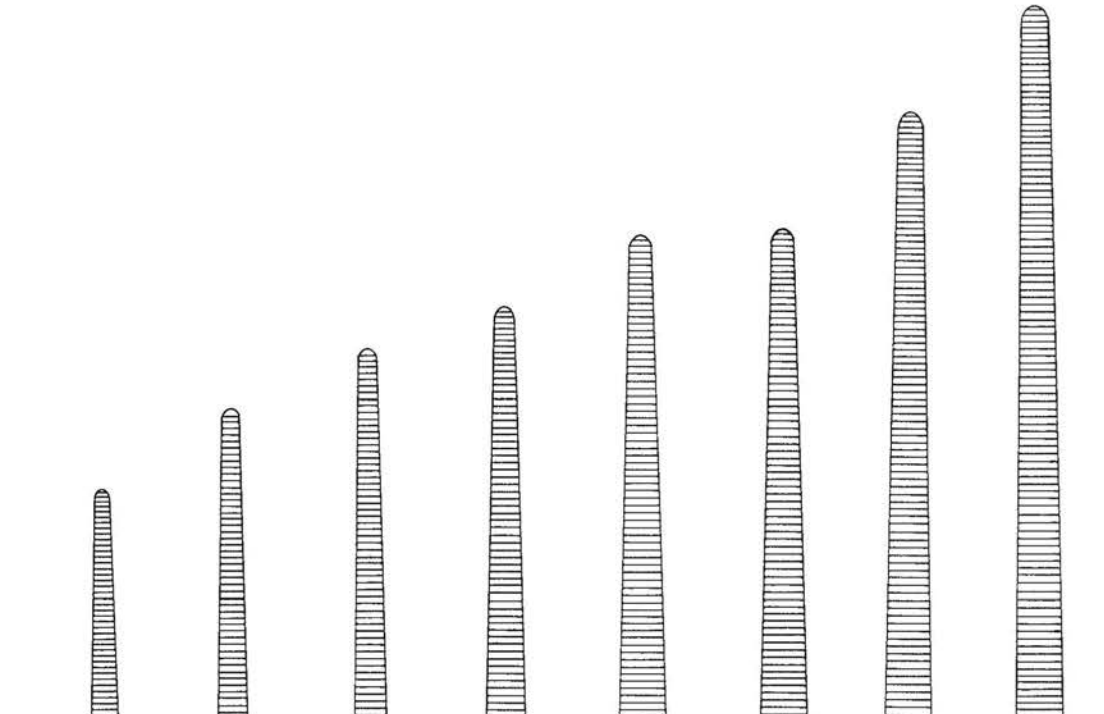

AA 184/16 AA 185/16

**CRILE-RANKIN**
16,0 cm/6¼"

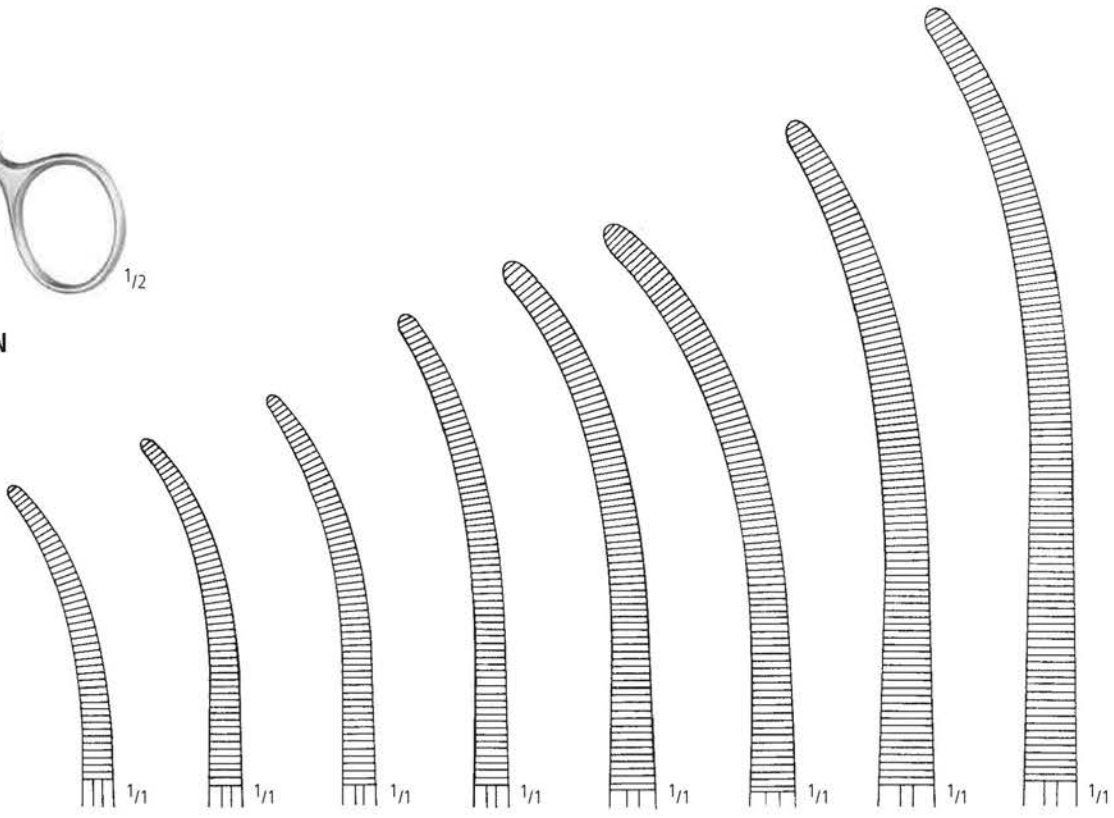
Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche




**ROCHESTER-PEAN**




AA 200/14 14,0 cm/5½"
AA 200/16 16,0 cm/6¼"
AA 200/18 18,0 cm/7"
AA 200/20 20,0 cm/8"
AA 200/22 22,0 cm/8¾"
AA 200/24 24,0 cm/9½"
AA 200/26 26,0 cm/10¼"
AA 200/30 30,0 cm/12"

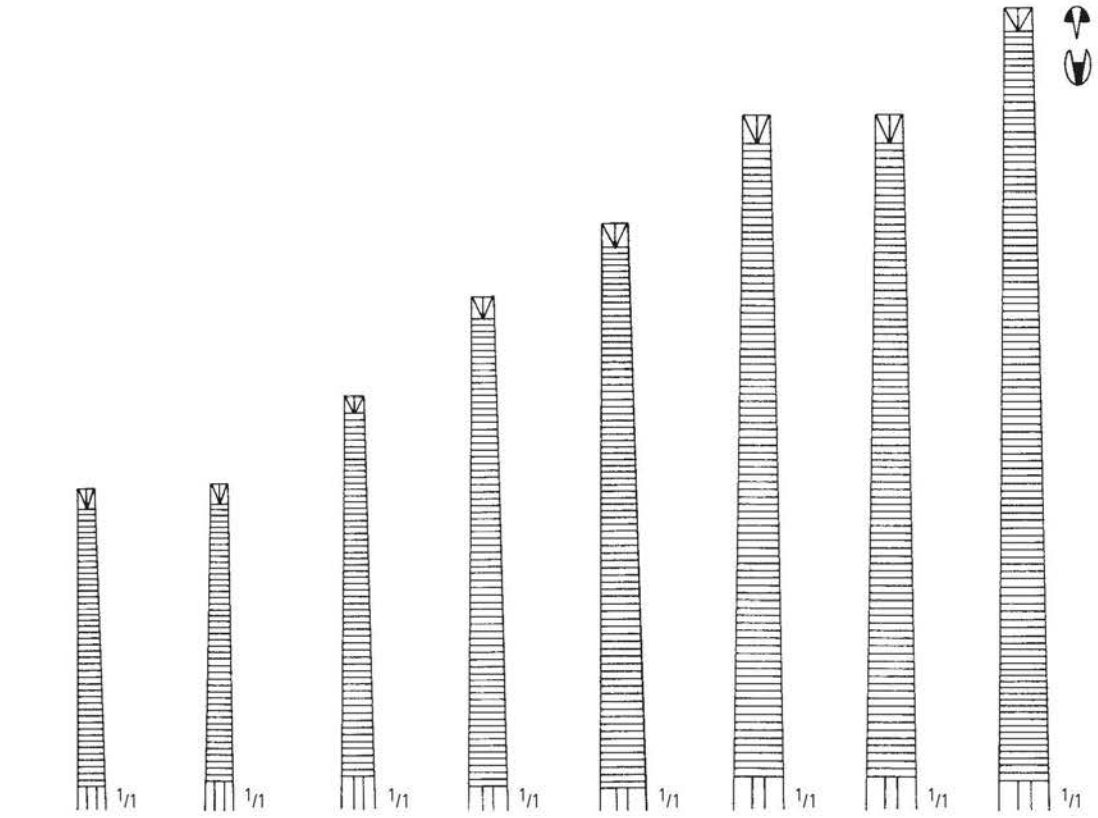


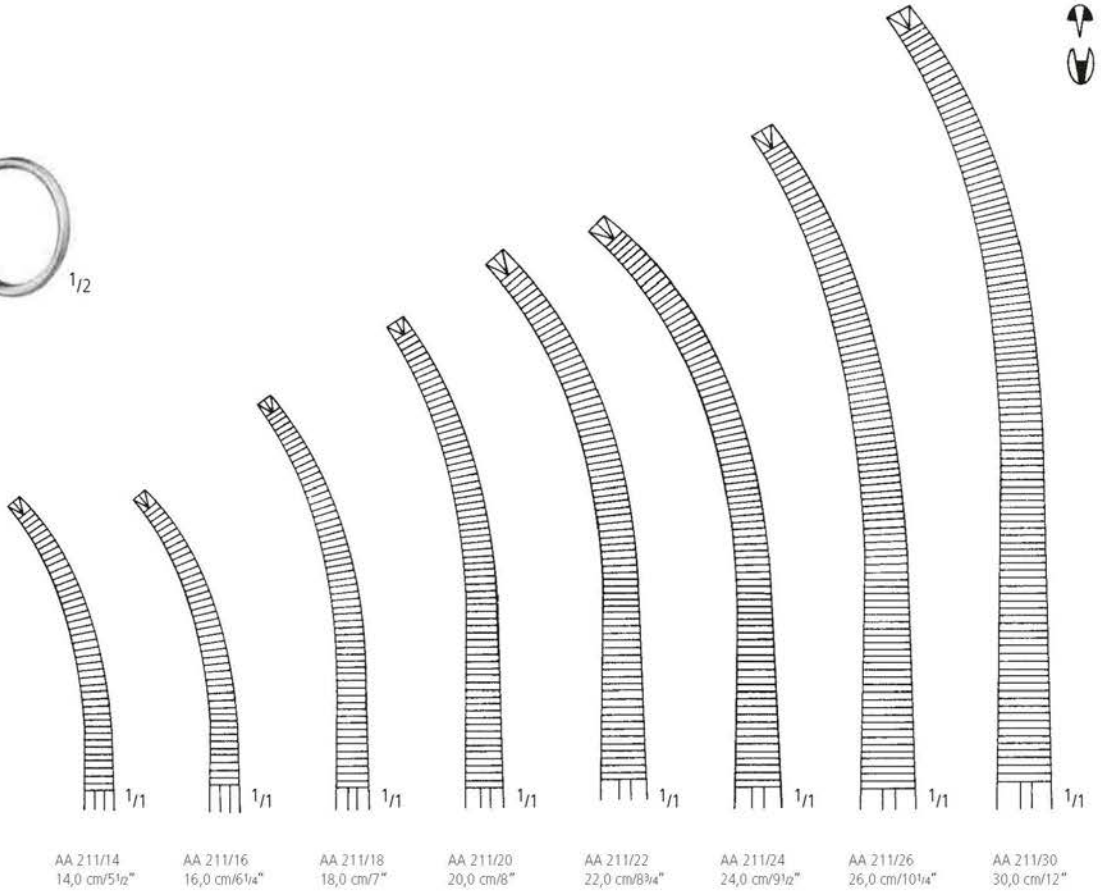

AA 201/14 14,0 cm/5½"
AA 201/16 16,0 cm/6¼"
AA 201/18 18,0 cm/7"
AA 201/20 20,0 cm/8"
AA 201/22 22,0 cm/8¾"
AA 201/24 24,0 cm/9½"
AA 201/26 26,0 cm/10¼"
AA 201/30 30,0 cm/12"

Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche

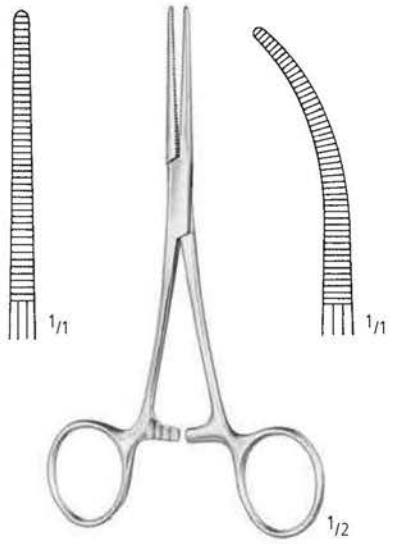



**OCHSNER-KOCHER 1:2**



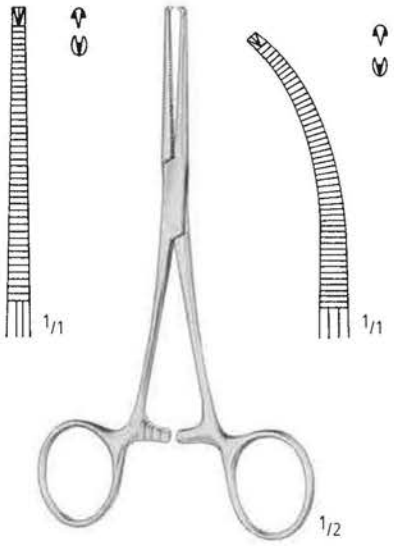
Grazile Arterienklemmen
Delicate Artery Forceps
Pinzas hemostáticas delgadas
Pinces hémostatiques graciles
Pinze emostatiche delicate




**PEAN** - DELICATE

| | | |
|---|---|---|
| AA 214/13 | AA 215/13 | 13,0 cm/5" |
| AA 214/14 | AA 215/14 | 14,0 cm/5 1/2" |
| AA 214/16 | AA 215/16 | 16,0 cm/6 1/4" |

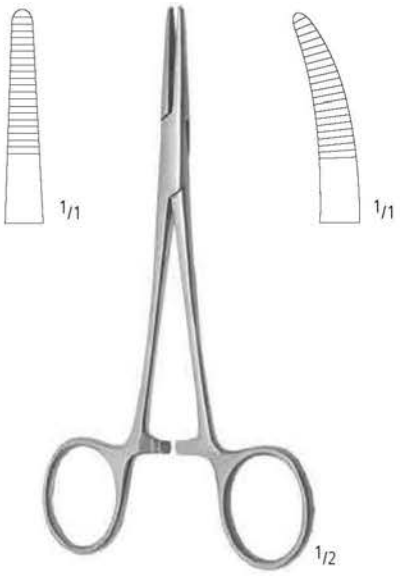
**JULES PEAN**, born 1830, died 1898, was the most important French gynecological surgeon of his time. He studied at Paris 1860. 1864 Pean was the first surgeon in Paris to perform an ovariotomy. By the use of Pean pins he introduced forceps pressure for control of hemorrhage, thus he invented the most used surgical instrument, next to the scalpel.




**KOCHER 1:2** - DELICATE

| | |
|---|---|
| AA 216/13 | AA 217/13 |
| AA 216/14 | AA 217/14 |
| AA 216/16 | AA 217/16 |

**ALBERT J. OCHSNER**, born 1858, died 1925. He devoted much time to attending and participating in medical discussions and was member of all leading societies in his fields.




**CAIRNS**

AA 218/15 15,0 cm/6" AA 219/15



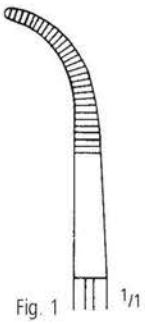

**DUNHILL**

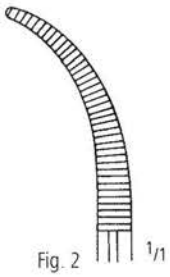
AA 220/13
13,0 cm/5"

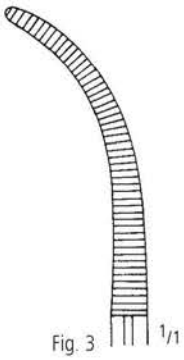
Arterienklemmen, Präparier- und Ligaturklemmen
Artery Forceps, Dissecting and Ligature Forceps
Pinzas hemostáticas, Pinzas para preparaciones y ligaduras
Pinces hémostatiques, Pinces à disséquer et à ligatures
Pinze emostatiche, Pinze per preparazioni e legature

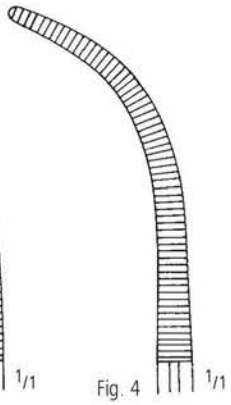



**OVERHOLT-GEISSENDOERFER**

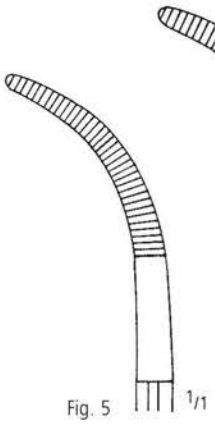


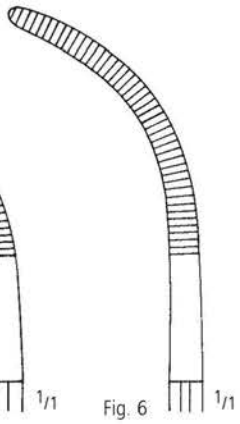



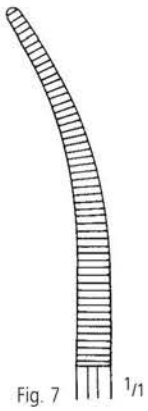



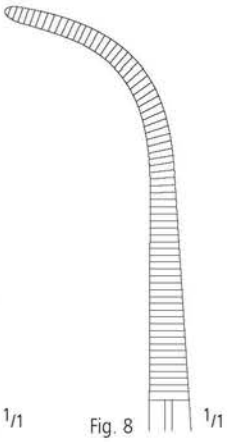




| | | | | |
|---|---|---|---|---|
| 21,0 cm/8¼" | AA 221/01 | AA 221/02 | AA 221/03 | AA 221/04 |
| 27,0 cm/10¾" | AA 223/01 | AA 223/02 | AA 223/03 | AA 223/04 |



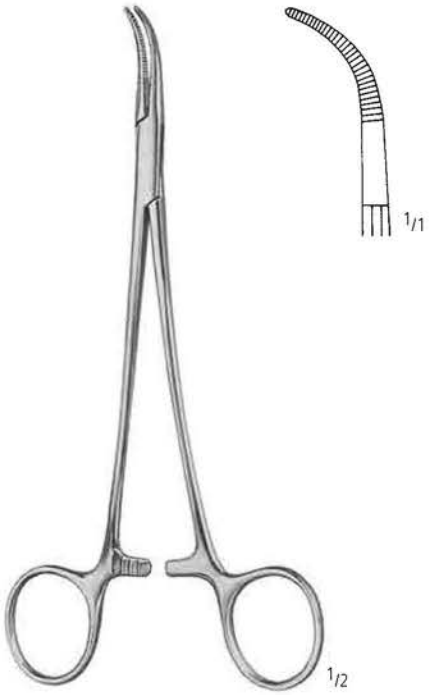




| | | | | |
|---|---|---|---|---|
| 21,0 cm/8¼" | AA 221/05 | AA 221/06 | AA 221/07 | |
| 27,0 cm/10¾" | AA 223/05 | AA 223/06 | AA 223/07 | |
| 29,5 cm/11½" | | | | AA 224/08 |

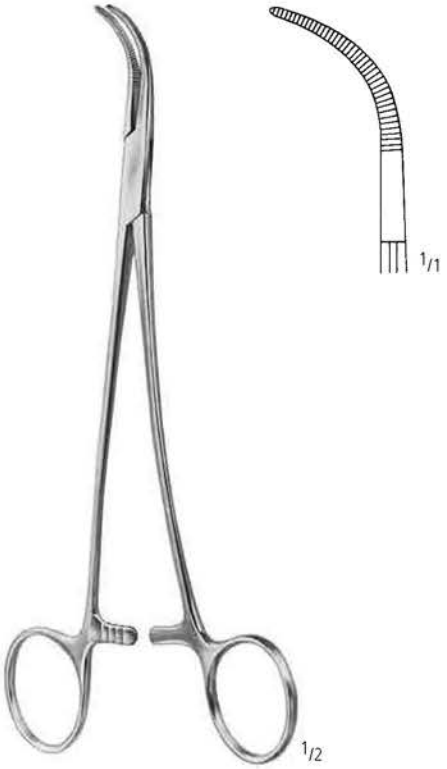



**BABY-OVERHOLT**
AA 225/13
13,5 cm/5¼"

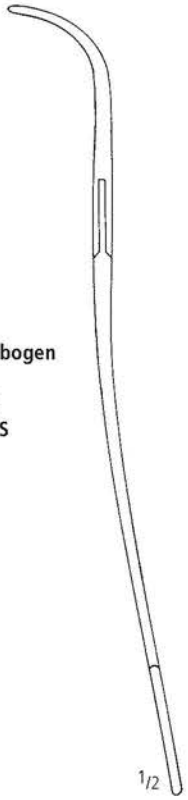
Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y ligaduras
Pinces à disséquer et à ligatures
Pinze per preparazioni e legature



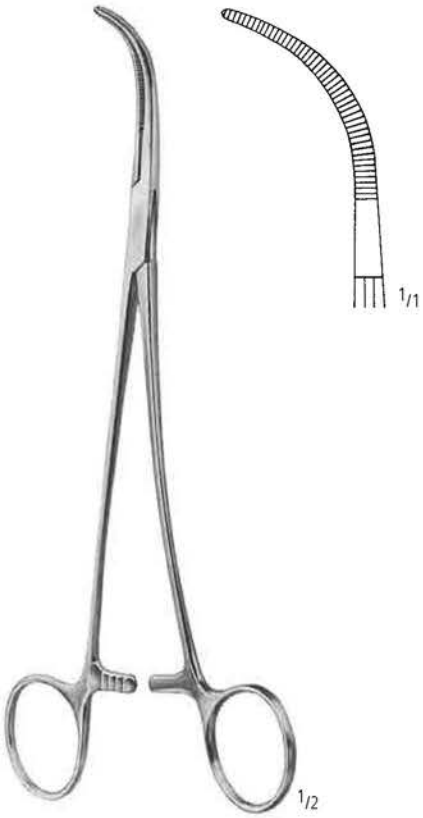

**OVERHOLT**
AA 229/01
18,5 cm/7 1/3"



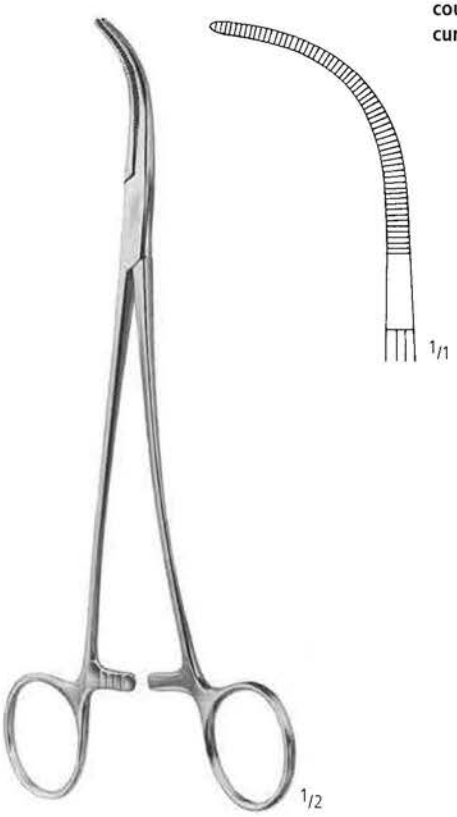

**OVERHOLT**
AA 229/02
20,5 cm/8"




**S-förmig gebogen**
**S-shaped**
**curvas en S**
**courbes en S**
**curve in S**




**OVERHOLT**
AA 229/03
21,0 cm/8 1/4"

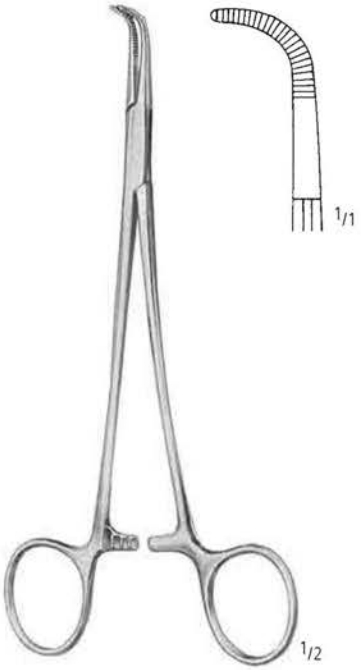



**OVERHOLT**
AA 229/04
21,5 cm/8 1/2"

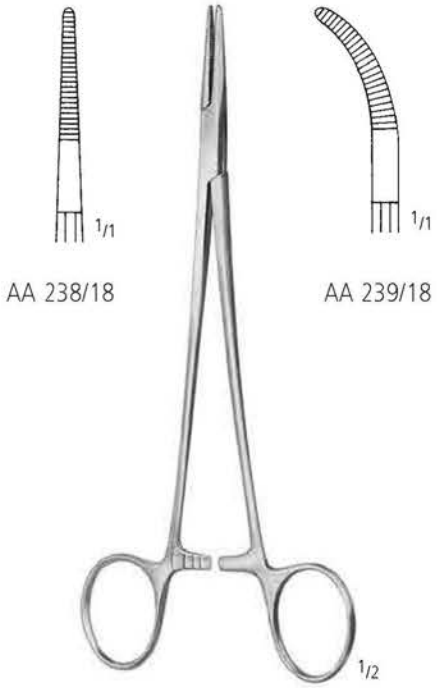
Arterienklemmen, Präparier- und Ligaturklemmen
Artery Forceps, Dissecting and Ligature Forceps
Pinzas hemostáticas, Pinzas para preparaciones y ligaduras
Pinces hémostatiques, Pinces à disséquer et à ligatures
Pinze emostatiche, Pinze per preparazioni e legature




**BABY-ADSON**
AA 235/14
14,0 cm/5½"



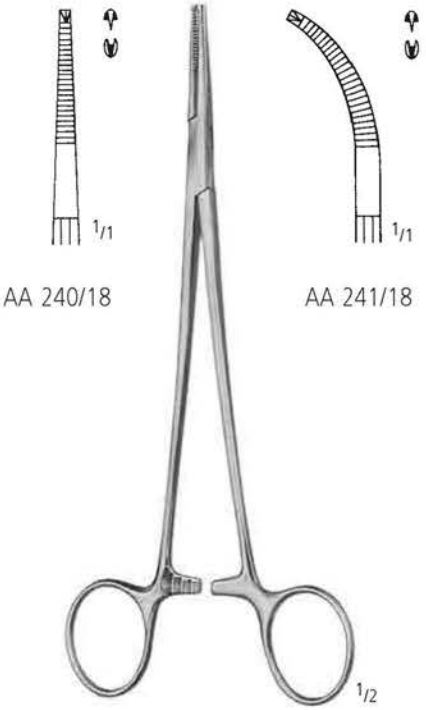

**BABY-ADSON**
AA 237/18
18,0 cm/7"




AA 238/18

AA 239/18

**ADSON**
18,5 cm/7⅓"



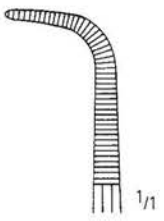

AA 240/18

AA 241/18

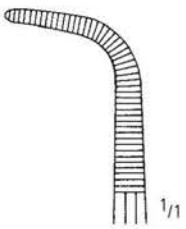
**ADSON 1:2**
18,5 cm/7⅓"




**MEEKER**




AA 251/18
18,0 cm/7"

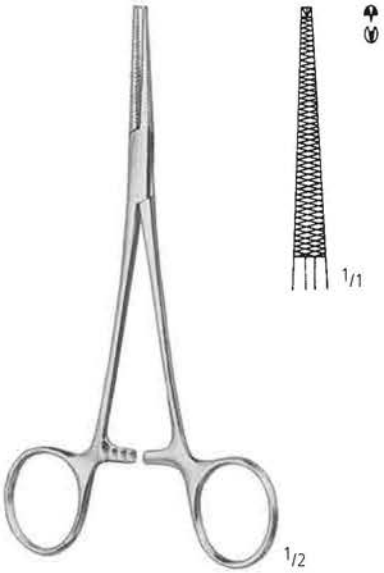



AA 251/28
28,0 cm/11"

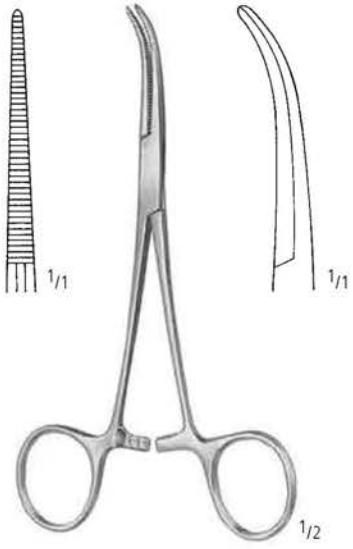
Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche



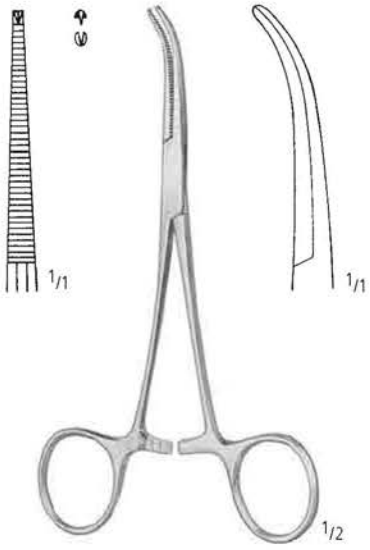

**DIXON-LOVELACE**
AA 286/15
15,5 cm/6″




**DIXON-LOVELACE 1:2**
AA 288/15
15,5 cm/6″

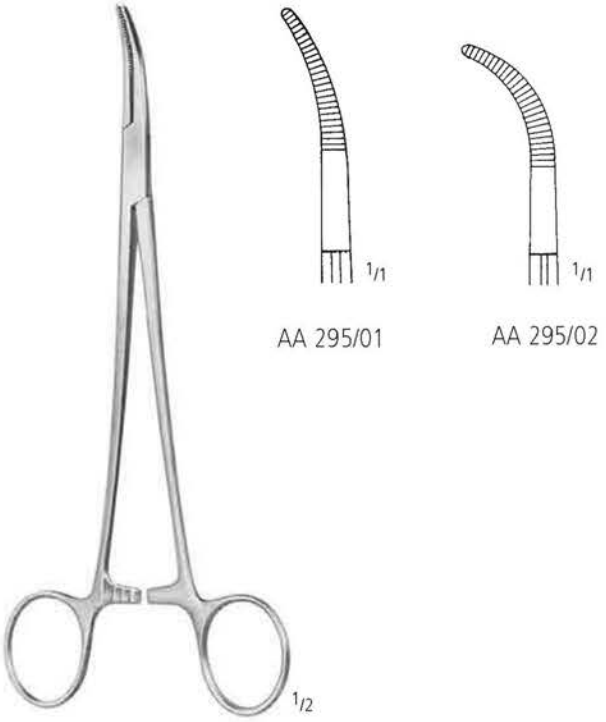



**DANDY**
AA 291/14
14,0 cm/5½″



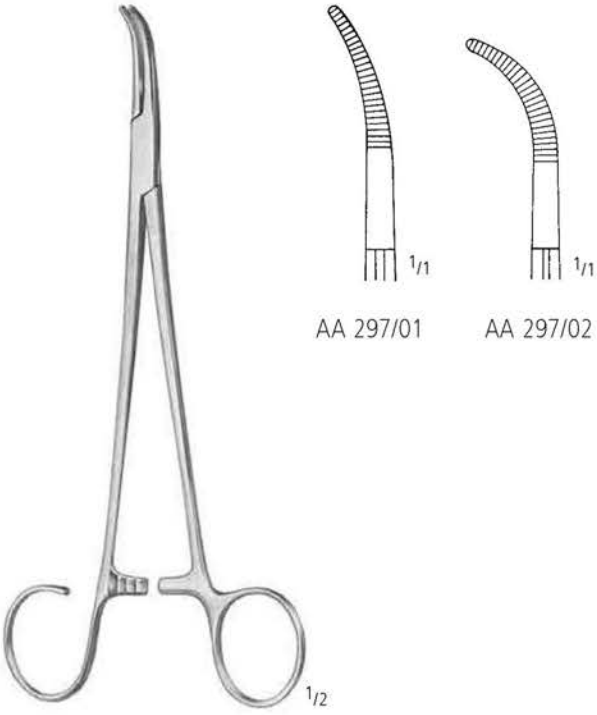

**DANDY 1:2**
AA 293/14
14,0 cm/5½″

Arterienklemmen, Tonsillenklemmen
Artery Forceps, Tonsil Hemostatic Forceps
Pinzas hemostáticas, pinzas hemostáticas para amígdalas
Pinces hémostatiques, pinces hémostatiques pour amygdales
Pinze emostatiche, pinze emostatiche per tonsille



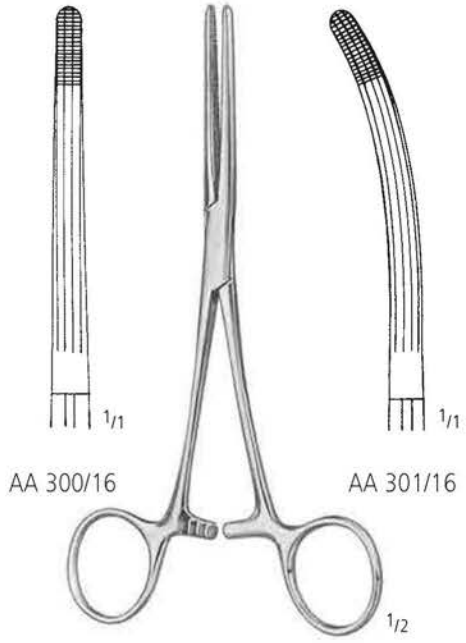

AA 295/01 AA 295/02

**SCHNIDT-SAWTELL**
19,0 cm/7½"




AA 297/01 AA 297/02

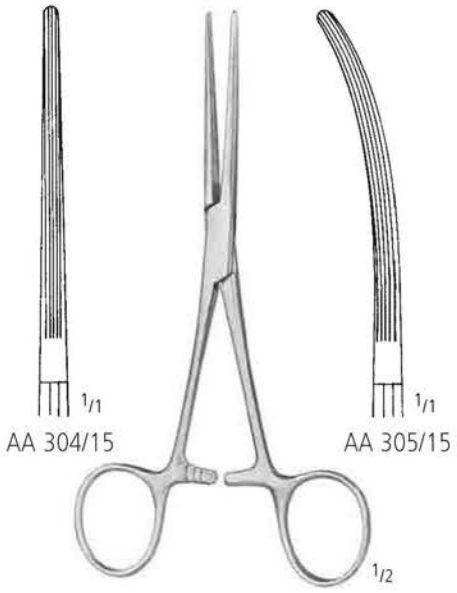
**SCHNIDT-SAWTELL**
19,0 cm/7½"




AA 300/16 AA 301/16

**ROCHESTER-CARMALT**

| | | |
|---|---|---|
| AA 300/16 | 16,0 cm/6¼" | AA 301/16 |
| AA 300/20 | 20,0 cm/8" | AA 301/20 |

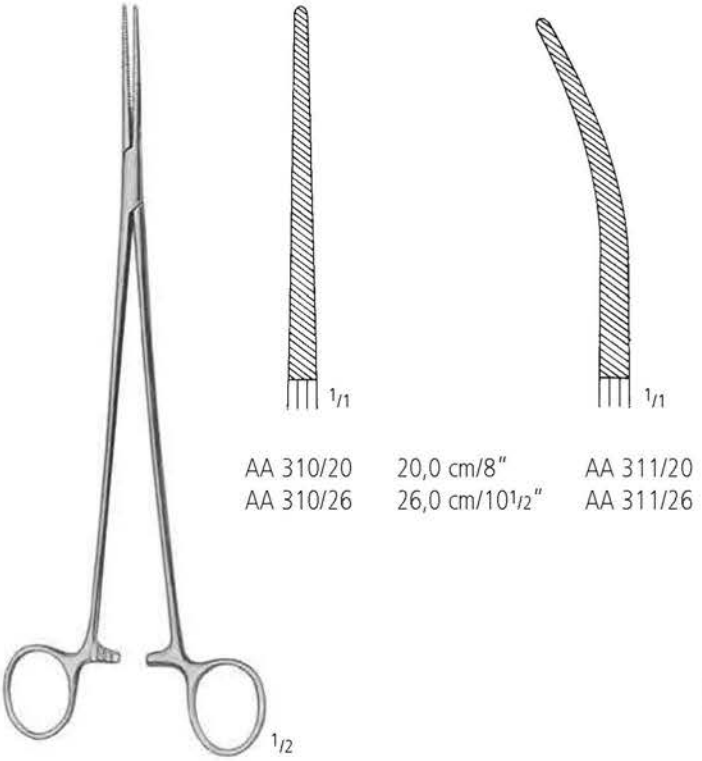



AA 304/15 AA 305/15

**BAINBRIDGE**

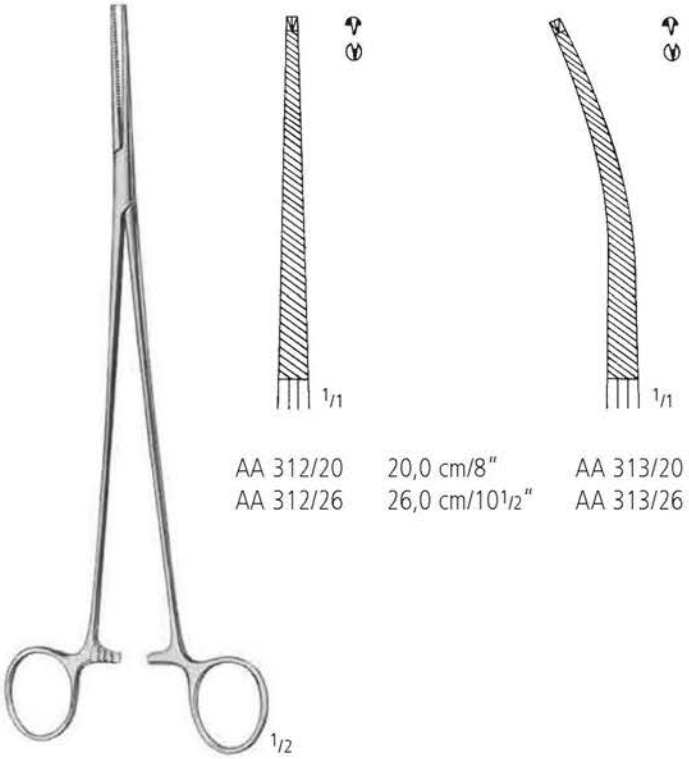
| | | |
|---|---|---|
| AA 304/15 | 15,0 cm/6" | AA 305/15 |
| AA 304/18 | 18,5 cm/7⅓" | AA 305/18 |

Arterienklemmen
Artery Forceps
Pinzas hemostáticas
Pinces hémostatiques
Pinze emostatiche




| | | |
|---|---|---|
| AA 310/20 | 20,0 cm/8" | AA 311/20 |
| AA 310/26 | 26,0 cm/10 1/2" | AA 311/26 |

**BENGOLEA**



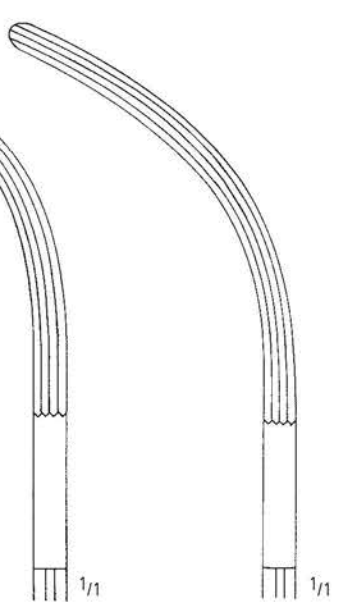

| | | |
|---|---|---|
| AA 312/20 | 20,0 cm/8" | AA 313/20 |
| AA 312/26 | 26,0 cm/10 1/2" | AA 313/26 |

**BENGOLEA 1:2**

Aurikelklemmen, Präparier- und Ligaturklemmen
Auricle Forceps, Dissecting and Ligature Forceps
Pinzas para aurícula, Pinzas para preparaciones y ligaduras
Pinces auriculaires, Pinces à disséquer et à ligatures
Pinze auricolari, Pinze per preparazioni e legature



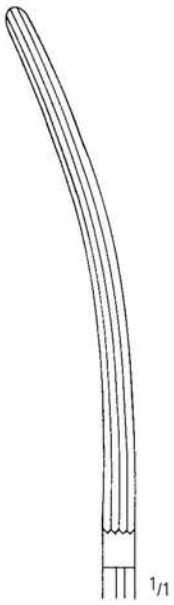

**CRAFOORD-SELLORS**



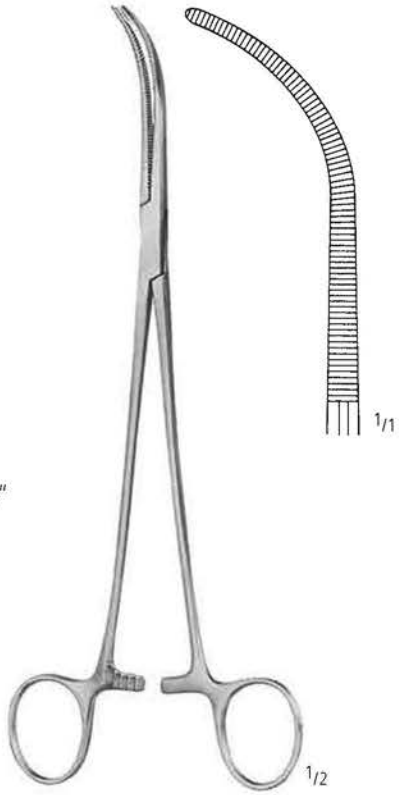

AA 317/22
22,0 cm/8¾"




AA 317/23
23,0 cm/9"




AA 317/24
24,0 cm/9½"




**OVERHOLT-MIXTER**
AA 319/21
21,0 cm/8¼"

Arterienklemmen, Bronchusklemmen
Artery Forceps, Bronchus Forceps
Pinzas hemostáticas, Pinzas-clamps bronquilas
Pinces hémostatiques, Pinces-clamps à bronches
Pinze emostatiche, Pinze per bronchi

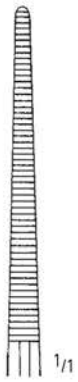



Fig. 1
AA 320/01




Fig. 2
AA 320/02

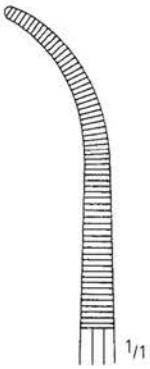
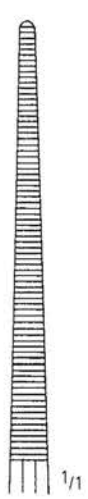
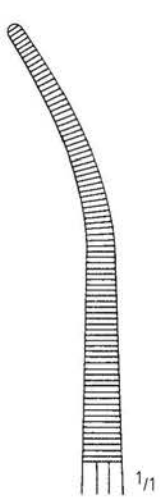



Fig. 3
AA 320/03




AA 322/22




AA 323/22



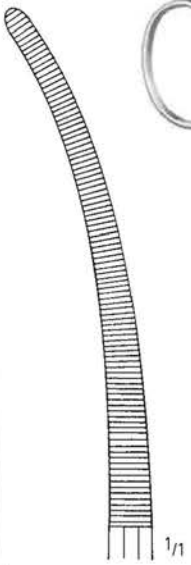

**HEISS**
20,0 cm/8"




**ROBERTS**
22,0 cm/8 3/4"



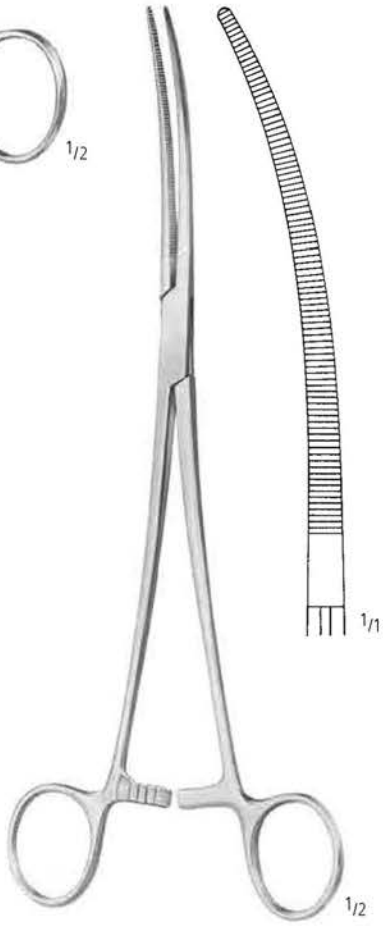

AA 328/24




AA 329/24




**SAROT**
24,0 cm/9 1/2"

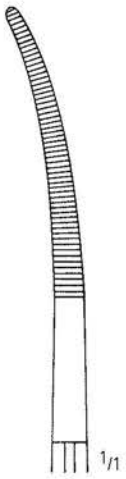



**CRAFOORD**
AA 330/24
24,0 cm/9 1/2"

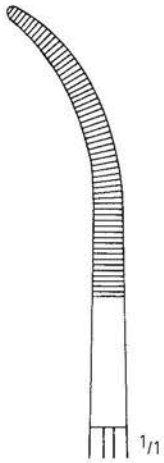
Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y ligaduras
Pinces à disséquer et à ligatures
Pinze per preparazioni e legature



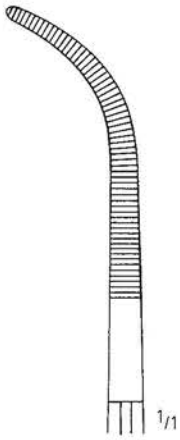

**RUMEL**
23,0 cm/9"



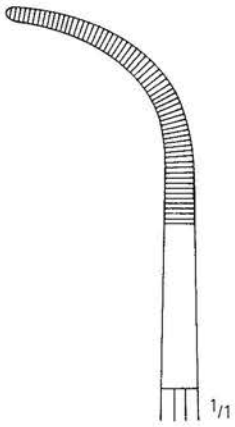

AA 335/01




AA 335/02

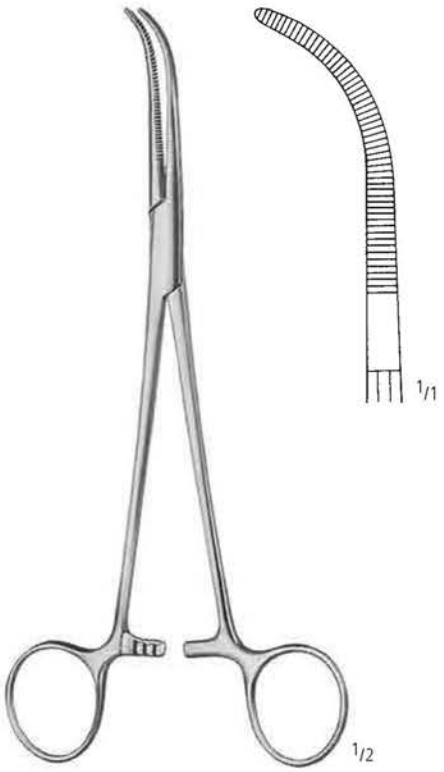



AA 335/03

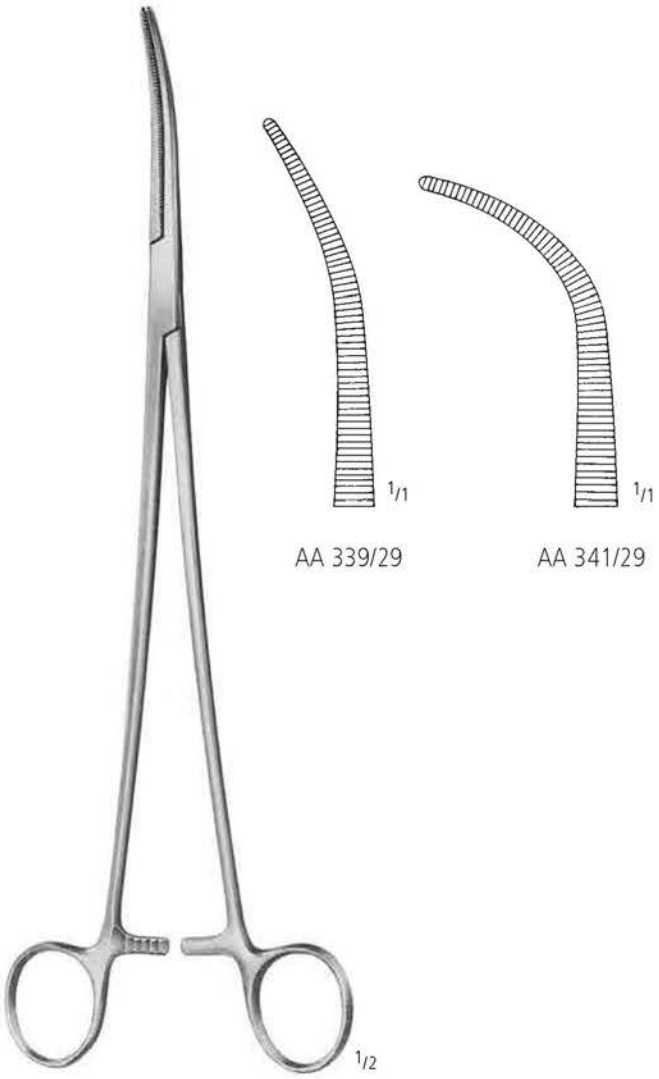



AA 335/04

Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y ligaduras
Pinces à disséquer et à ligatures
Pinze per preparazioni e legature




**JOHNS HOPKINS**
AA 338/20
20,0 cm/8"

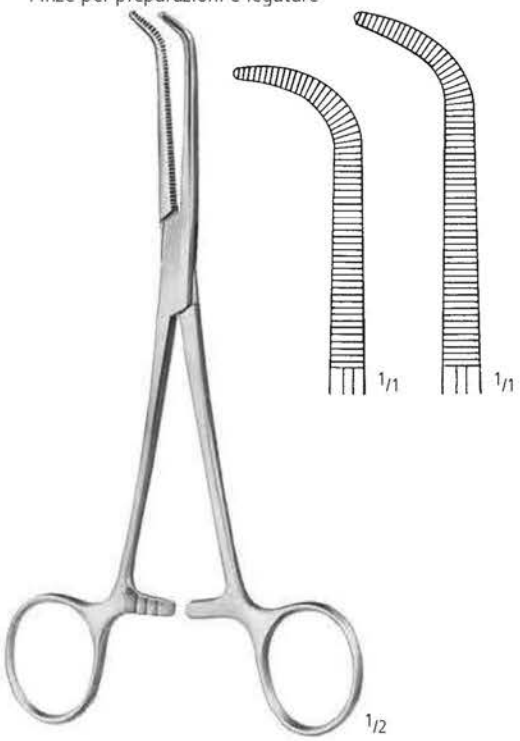



AA 339/29

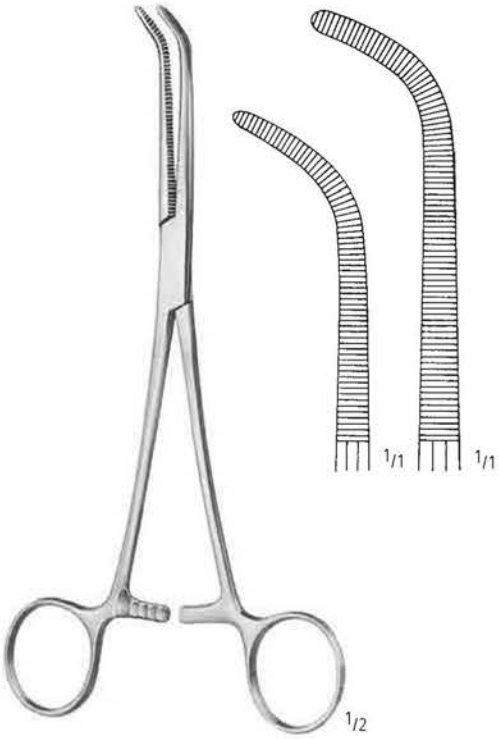
AA 341/29

**ZENKER**
29,5 cm/11½"

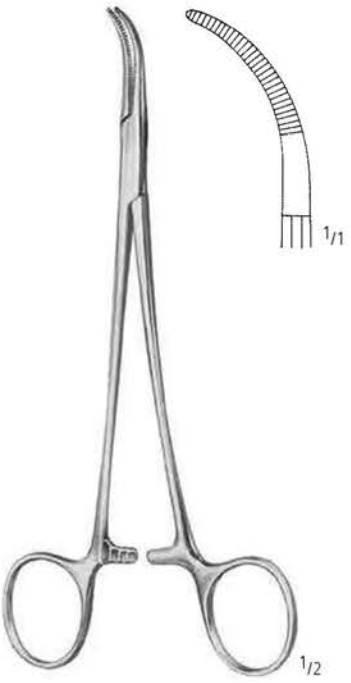
Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y ligaduras
Pinces à disséquer et à ligatures
Pinze per preparazioni e legature



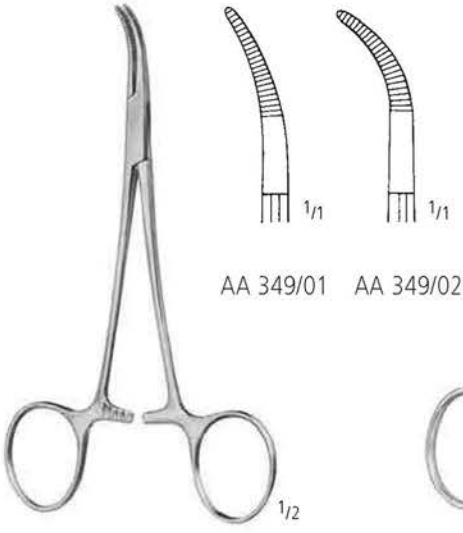

**MIXTER**
15,5 cm/6" AA 345/15
19,0 cm/7 1/2" AA 345/19




**MIXTER-O'SHAUGNESSY**
15,5 cm/6" AA 347/15
19,0 cm/7 1/2" AA 347/19

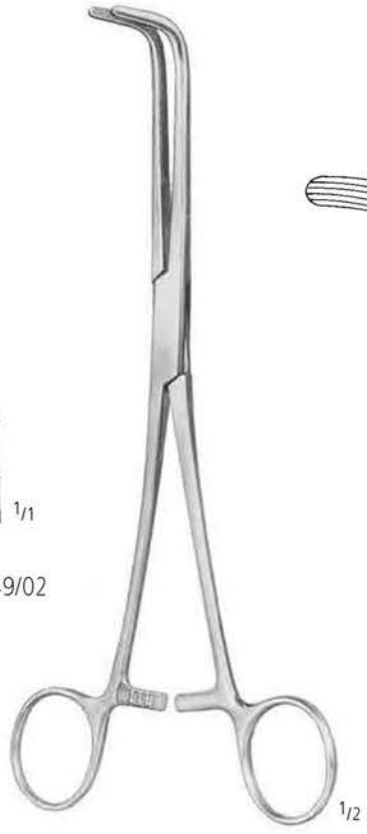



**BABY-MIXTER**
AA 348/18
18,0 cm/7"




AA 349/01 AA 349/02

**BABY-MIXTER**
14,0 cm/5 1/2"




**MIXTER**

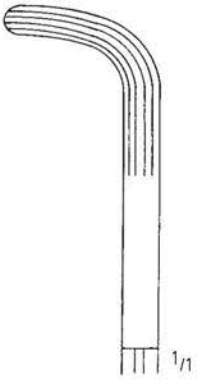



Fig. 1
AA 353/22
22,0 cm/8 3/4"

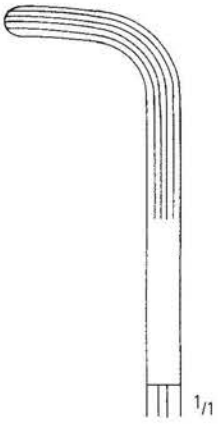



Fig. 2
AA 353/25
25,0 cm/10"

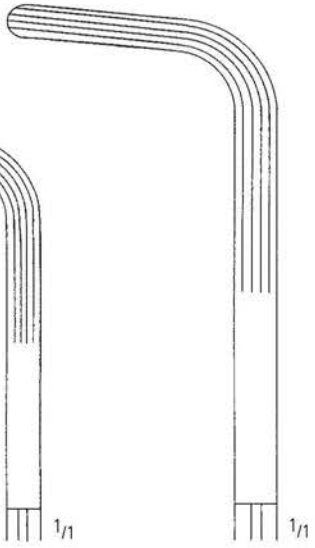
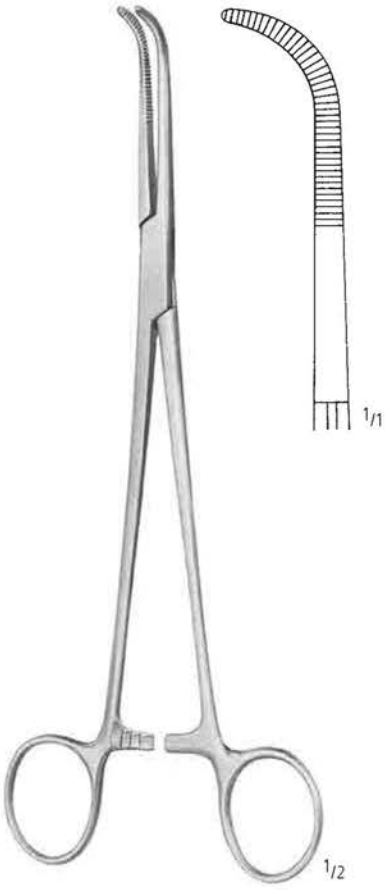



Fig. 3
AA 353/28
28,0 cm/11"

Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y ligaduras
Pinces à disséquer et à ligatures
Pinze per preparazioni e legature



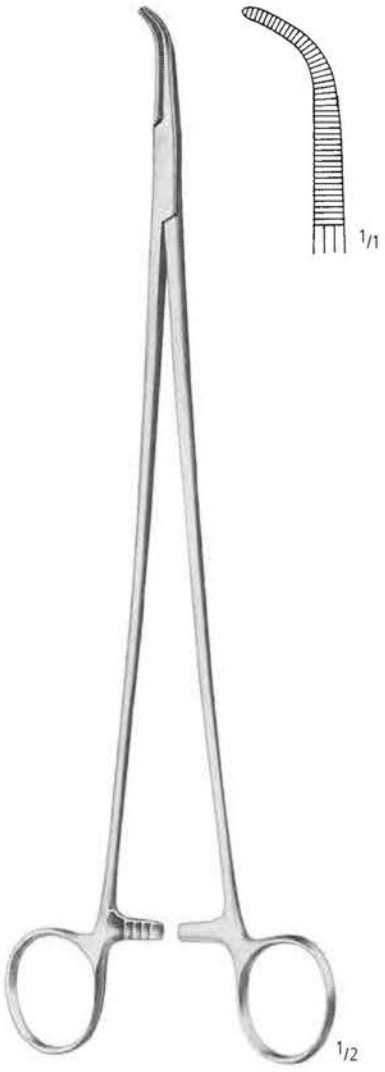

**MIXTER**
AA 355/23
23,0 cm/9"




AA 358/28

AA 359/28

**BRIDGE**
28,0 cm/11"

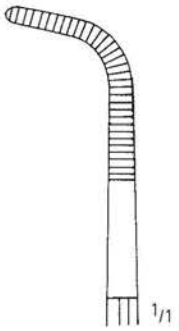



**LAWRENCE**
AA 361/28
28,0 cm/11"

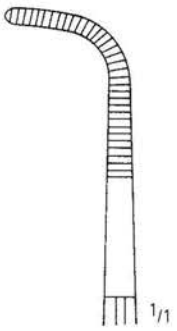
Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y ligaduras
Pinces à disséquer et à ligatures
Pinze per preparazioni e legature



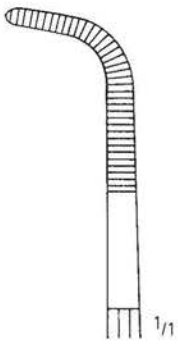

**KANTROWITZ**




AA 363/20
20,0 cm/8″




AA 363/24
24,0 cm/9½″



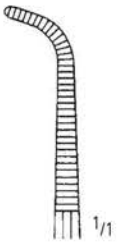

AA 363/28
28,0 cm/11″




**GEMINI**




AA 365/14
14,0 cm/5½″




AA 365/18
18,0 cm/7″




AA 365/22
22,0 cm/8¾″

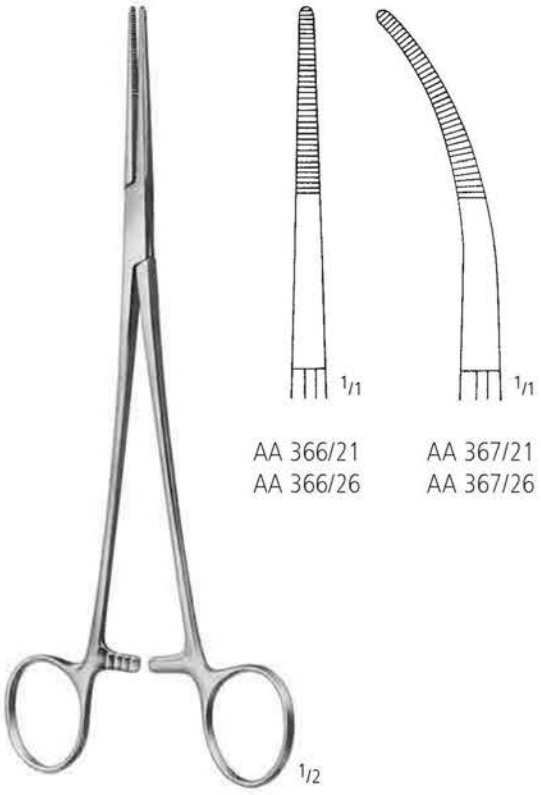



AA 365/25
25,0 cm/10″




AA 365/28
28,0 cm/11″

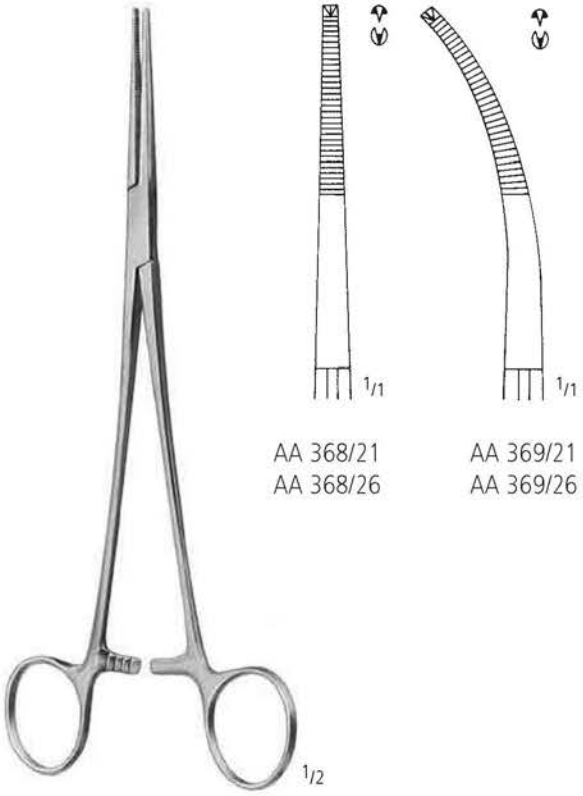
Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y ligaduras
Pinces à disséquer et à ligatures
Pinze per preparazioni e legature




AA 366/21
AA 366/26

AA 367/21
AA 367/26

**TOENNIS**
21,0 cm/8¼"
26,0 cm/10½"

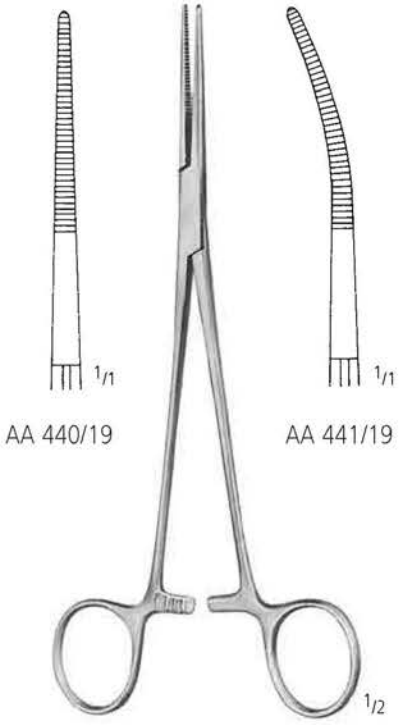



AA 368/21
AA 368/26

AA 369/21
AA 369/26

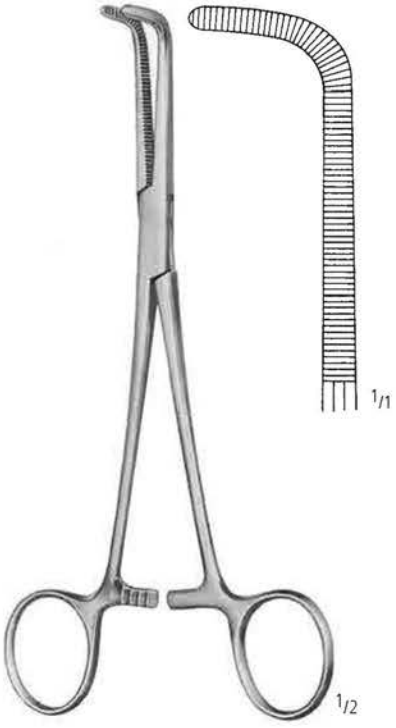
**TOENNIS 1:2**
21,0 cm/8¼"
26,0 cm/10½"

Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y ligaduras
Pinces à disséquer et à ligatures
Pinze per preparazioni e legature




AA 440/19 AA 441/19

**BIRKETT**
19,0 cm/7 1/2"




**WIKSTROEM**
AA 443/19
19,0 cm/7 1/2"

Tuchklemmen
Towel Forceps
Pinzas para compresas, Pinzas de campo
Pinces à champs, Pinces à compresses
Pinze per fissare le compresse (Fissatele)




**SCHAEDEL**
AA 710/09
9,0 cm/3½"




**JONES**

| | |
|---|---|
| 5,0 cm/2" | AA 711/05 |
| 9,0 cm/3½" | AA 711/09 |




**ENGL. MODELL**
AA 717/09
9,0 cm/3½"




**DOYEN**
AA 721/18
18,0 cm/7"




**BERNHARD**
AA 726/16
16,5 cm/6½"




**LANE**

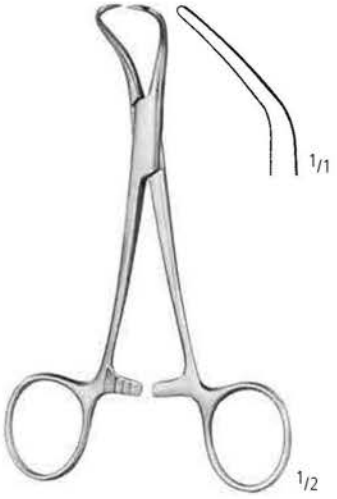
| | |
|---|---|
| 15,0 cm/6" | AA 730/15 |
| 18,0 cm/7" | AA 730/18 |
| 20,0 cm/8" | AA 730/20 |

Tuchklemmen
Towel Forceps
Pinzas para compresas, Pinzas de campo
Pinces à champs, Pinces à compresses
Pinze per fissare le compresse (Fissatele)




AA 749/11
11,0 cm/4 1/3"

- mit Schlauch- oder Kabelhalter
- with clip for tubing or cable
- con porta-tubo o porta-cable
- avec clamp porte-tube ou porte-corton d'alimentation
- con porta tubo o porta cavo




**BACKHAUS**

| | |
|---|---|
| 8,0 cm/3" | AA 751/08 |
| 11,0 cm/4 1/3" | AA 751/11 |
| 13,0 cm/5" | AA 751/13 |
| 15,0 cm/6" | AA 751/15 |




**BALL & SOCKET**

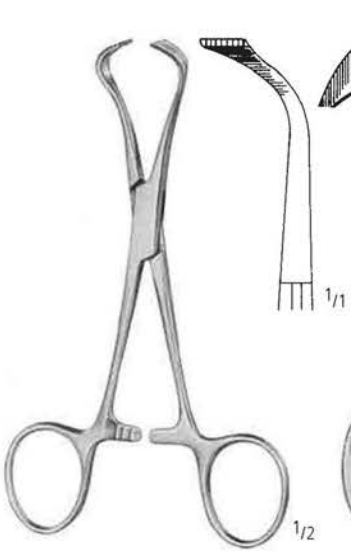
| | |
|---|---|
| 11,0 cm/4 1/3" | AA 753/11 |
| 13,0 cm/5" | AA 753/13 |

**für Papiertücher**
**for paper tissues**
**para servilletas de papel**
**pour serviettes en papier**
**per tessuti di carta**



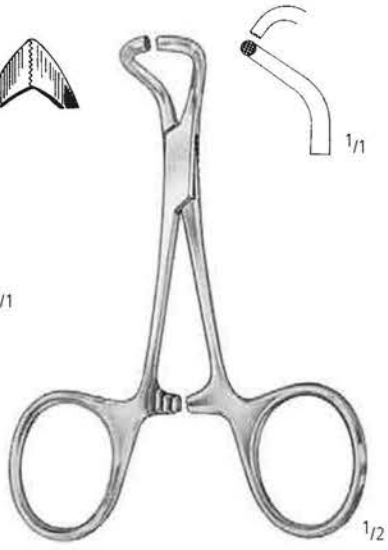

**ROEDER**

| | |
|---|---|
| 13,0 cm/5" | AA 761/13 |
| 15,0 cm/6" | AA 761/15 |



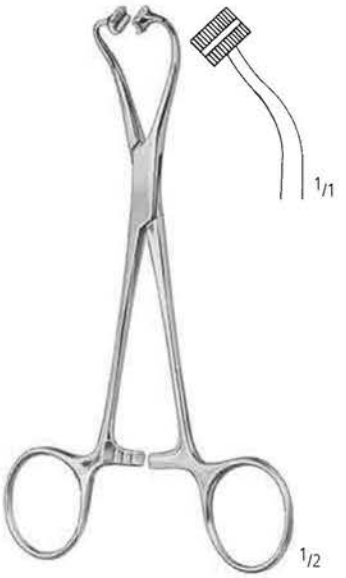

**LORNA**

| | |
|---|---|
| 10,0 cm/4" | AA 763/10 |
| 13,0 cm/5" | AA 763/13 |




**TOHOKU-JAPAN**

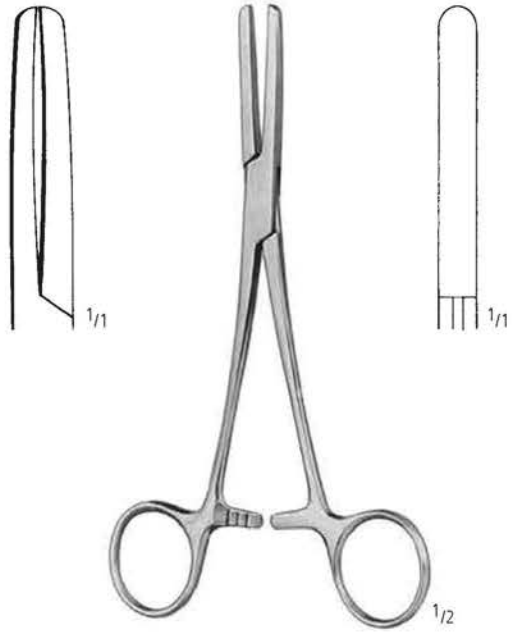
| | |
|---|---|
| 10,0 cm/4" | AA 764/10 |
| 13,0 cm/5" | AA 764/13 |




**PEERS**

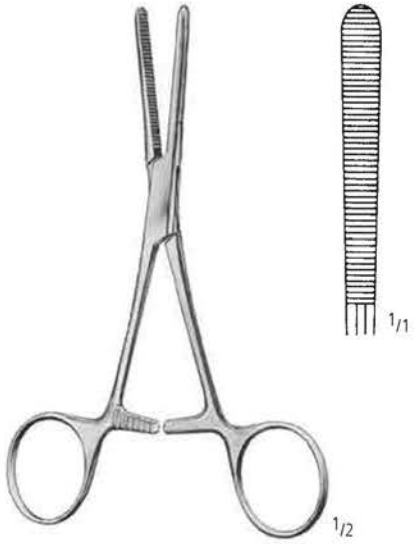
AA 765/14
14,5 cm/5 3/4"

Schlauchklemmen
Tubing Clamps
Pinzas para tubos
Presses-tube
Pinze serratubi



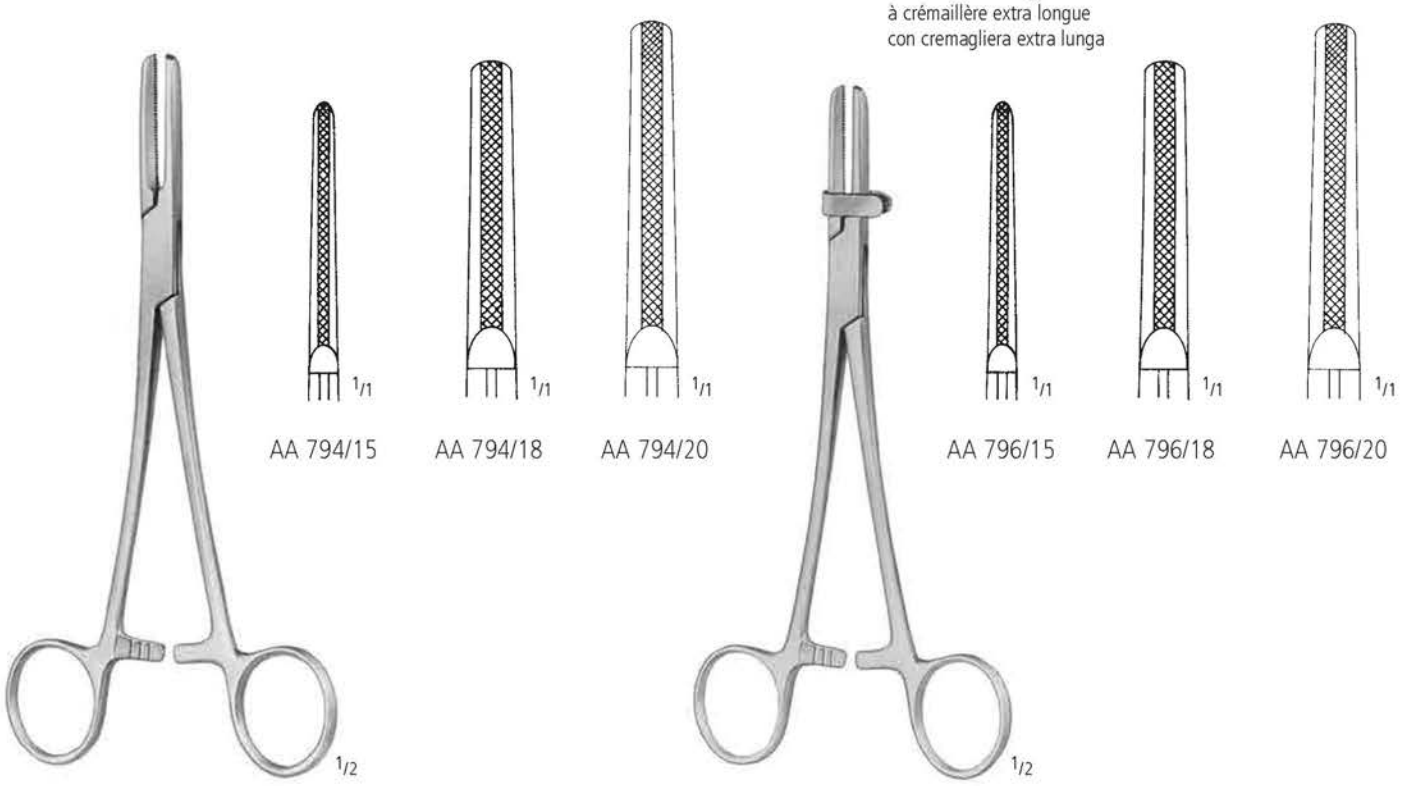

**PRESBYTERIAN**

16,5 cm/6½" AA 790/16
18,0 cm/7" AA 790/18




**KLINIKUM BERLIN**

AA 792/14
14,5 cm/5¾"
mit langer Sperre
with long ratchet
con cremallera larga
à crémaillère extra longue
con cremagliera extra lunga




AA 794/15 AA 794/18 AA 794/20

AA 796/15 AA 796/18 AA 796/20

AA 794/15 15,5 cm/6"
AA 794/18 18,0 cm/7"
AA 794/20 20,0 cm/8"

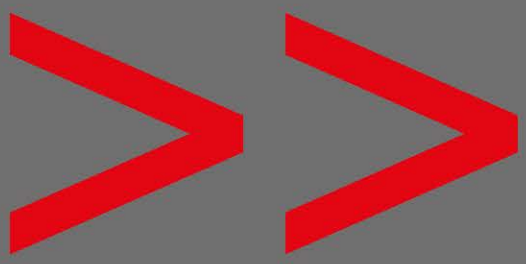
AA 796/15
AA 796/18
AA 796/20

tini® instruments

# nopa® instruments

titan-nitrid Beschichtung

titan-nitride surface coating



## tini

**AB** >> Pinzetten • Forceps • Pinzas • Pinces • Pinze



**AC** >> Scheren • Scissors • Tijeras • Ciseaux • Forbici



**AE** >> Naht • Suture • Sutura • Suture • Sutura



**KA** >> Orthopädie • Orthopaedics • Ortopedia • Orthopédie • Ortopedia

**KK** >> Herz/Thorax • Cardiovascular • Cardiovascular • Cariovasculaire • Cardiovascolare

**KS** >> Neurochirurgie • Neurosurgery • Neurocirugía • Neurochirurgie • Neurochirurgia



>> extrem lange Lebensdauer und Einsatzfähigkeit
>> enorm hohe Verschleißfestigkeit - nur selten Nachschleifen notwendig
>> blendfreie Oberfläche - keine störenden Lichtreflexionen
>> mikroglatte Oberfläche - deutlich verbesserte Korrosionsbeständigkeit
>> titan-nitrid ist gewebeverträglich und biokompatibel
>> anti-allergene Schutzfunktion

>> longer durability and usability
>> enormous high abrasion resistance - sharpening is hardly ever necessary
>> reduction of reflective glare - no incommoding luminous reflectance
>> micro-smooth surface - obviously improved corrosion resistance
>> titan-nitride is tissuecompatible and biocompatible
>> anallergenic protection

PINZETTEN
FORCEPS
PINZAS
PINCES
PINZE

# AB

nopa® instruments

Weitere Pinzetten finden Sie in unserem Katalog „Allgemeine Chirurgie" in Gruppe AB.

For further forceps kindly refer to our catalogue „General Surgery", section AB.

Para pinzas adicionales, por favor consulte nuestro catálogo de „Cirugía general", grupo AB.

Pour des pinces supplémentaires, consultez notre catalogue „Chirurgie Generale", section AB.

Per gli altri pinze, consultare il nostro catalogo „Chirurgia Generale", gruppo AB.

>>


mm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25


inch 1 2 3 4 5 6 7 8 9 10



# titan instruments

# nopa® instruments

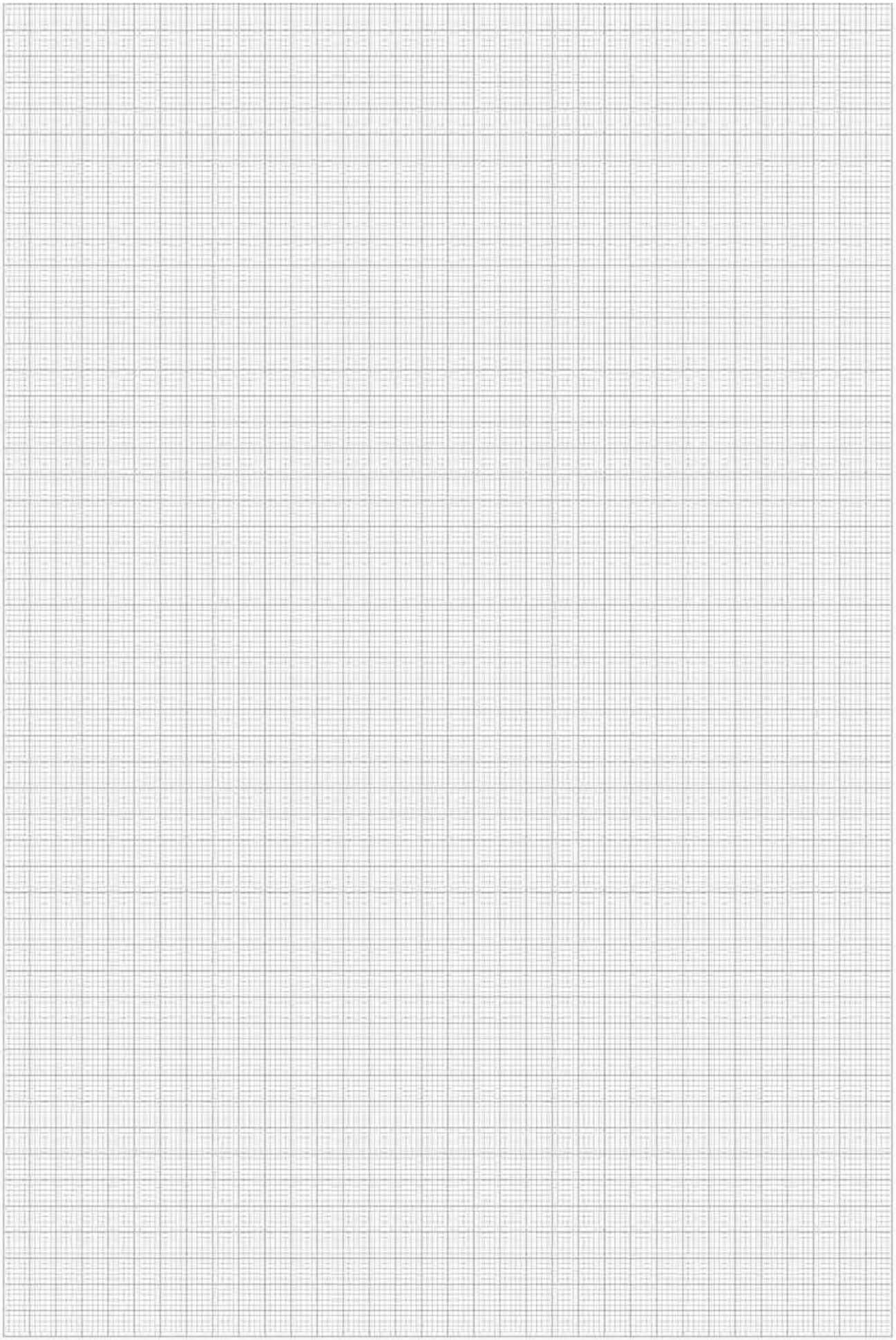
**Besonderheit:**

**nopa** Titan Instrumente bieten insbesondere in der Herz-Thorax-Chirurgie Vorteile gegenüber herkömmlichen Instrumenten. Titan ist ca. 45% leichter als rostfreier Edelstahl, weshalb Titan Instrumente weniger traumatisierend sind. Titan ist außerdem ein vollkommen korrosionsbeständiges und antimagnetisches Material. **nopa** Titan Instrumente bedeuten größtmöglichen Komfort für den Chirurgen.

**Features:**

**nopa** Titan Instruments provide especially in Cardiovascular surgery a significant advantage compared to other Instruments. Titan is approximately 45% lighter than stainless steel. For that reason, Titan Instruments are less traumatic. Besides that, Titan is a completely stainless and anti-magnetic material.
**nopa** Titan Instruments are the most comfortable choice for the Cardiovascular surgeon.

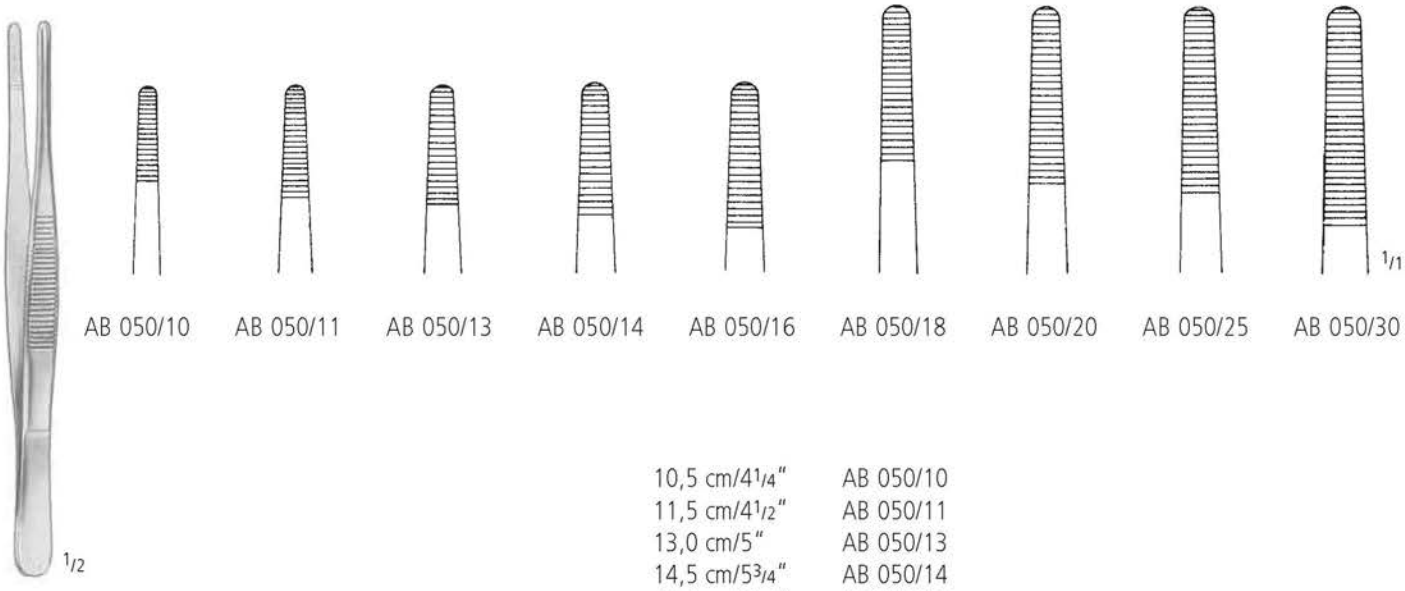
| | |
|---|---|
| **AB 100/12 T** | ADSON DRESSING FORCEPS 12.0 CM |
| **AB 110/12 T** | ADSON TISSUE FCPS. 1X2 TEETH 12.0 CM |
| **AB 116/07 T** | ADSON-BROWN TISS. FCPS. STR. 7X7 TEETH 12.0 CM |
| **AB 120/15 T** | SEMKEN DRESSING FCPS. STR. 15.5 CM |
| **AB 160/18 T** | GERALD DRESSING FCPS. STR. 18.0 CM |
| **AB 170/18 T** | GERALD TISSUE FCPS. STR. 1X2 TEETH 17.0 CM |
| **AB 542/15 T** | SUTURE TYING FCPS. 0.3 MM STR. 15.0 CM |
| **AB 860/16 T** | DE BAKEY ATR. FCPS. STR. 1.5 MM 16.0 CM |
| **AB 860/20 T** | DE BAKEY ATR. FCPS. STR. 1.5 MM 20.0 CM |
| **AB 860/24 T** | DE BAKEY ATR. FCPS. STR. 1.5 MM 24.0 CM |
| **AB 862/16 T** | DE BAKEY ATR. FCPS. STR. 2.0 MM 16.0 CM |
| **AB 862/20 T** | DE BAKEY ATR. FCPS. STR. 2.0 MM 20.0 CM |
| **AB 862/24 T** | DE BAKEY ATR. FCPS. STR. 2.0 MM 24.0 CM |
| **AB 864/16 T** | DE BAKEY ATR. FCPS. STR. 2.8 MM 16.0 CM |
| **AB 864/20 T** | DE BAKEY ATR. FCPS. STR. 2.8 MM 20.0 CM |



## PINZETTEN FORCEPS PINZAS PINCES PINZE

Anatomische Pinzetten, Chirurgische Pinzetten
Dressing Forceps, Tissue Forceps
Pinzas de disección, Pinzas de disección con dientes
Pinces à dissection, Pinces à griffes
Pinze anatomiche per dissezione, Pinze chirurgiche a denti di topo

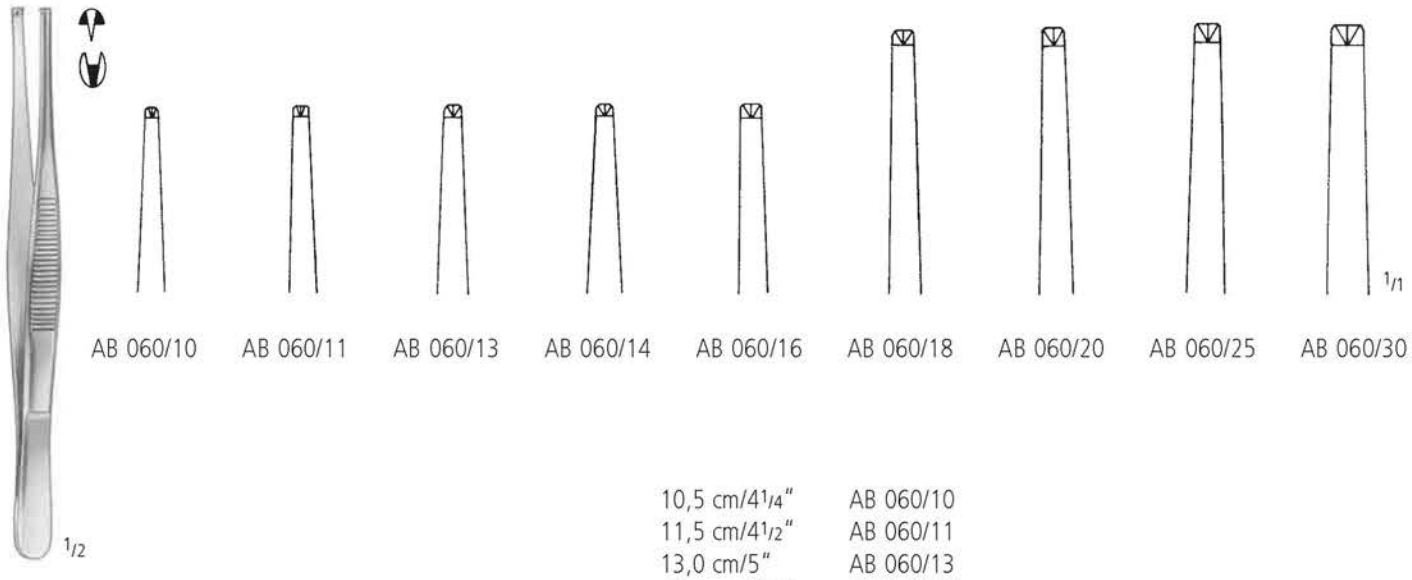





AB 050/10 AB 050/11 AB 050/13 AB 050/14 AB 050/16 AB 050/18 AB 050/20 AB 050/25 AB 050/30

**STANDARD**

| | |
|---|---|
| 10,5 cm/4¼" | AB 050/10 |
| 11,5 cm/4½" | AB 050/11 |
| 13,0 cm/5" | AB 050/13 |
| 14,5 cm/5¾" | AB 050/14 |
| 16,0 cm/6¼" | AB 050/16 |
| 18,0 cm/7" | AB 050/18 |
| 20,0 cm/8" | AB 050/20 |
| 25,0 cm/10" | AB 050/25 |
| 30,0 cm/12" | AB 050/30 |



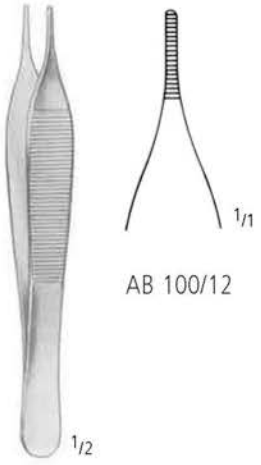

AB 060/10 AB 060/11 AB 060/13 AB 060/14 AB 060/16 AB 060/18 AB 060/20 AB 060/25 AB 060/30

**1:2**
**STANDARD**

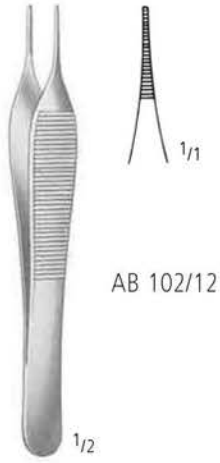
| | |
|---|---|
| 10,5 cm/4¼" | AB 060/10 |
| 11,5 cm/4½" | AB 060/11 |
| 13,0 cm/5" | AB 060/13 |
| 14,5 cm/5¾" | AB 060/14 |
| 16,0 cm/6¼" | AB 060/16 |
| 18,0 cm/7" | AB 060/18 |
| 20,0 cm/8" | AB 060/20 |
| 25,0 cm/10" | AB 060/25 |
| 30,0 cm/12" | AB 060/30 |

# AB PINZETTEN FORCEPS PINZAS PINCES PINZE

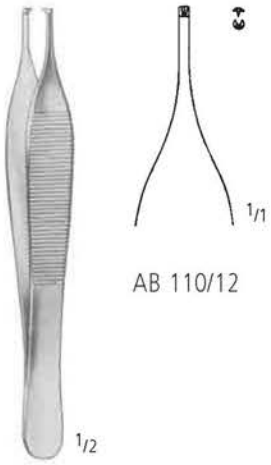
Anatomische Pinzetten, Chirurgische Pinzetten
Dressing Forceps, Tissue Forceps
Pinzas de disección, Pinzas de disección con dientes
Pinces à dissection, Pinces à griffes
Pinze anatomiche per dissezione, Pinze chirurgiche a denti di topo



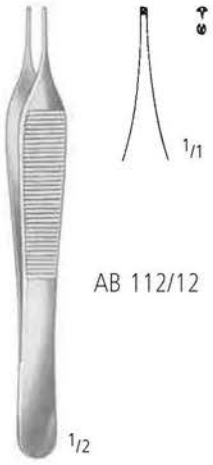

AB 100/12




AB 102/12




AB 110/12



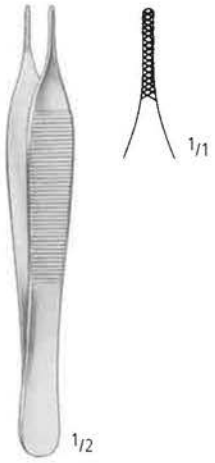

AB 112/12

| | **ADSON** | **MICRO-ADSON** | **ADSON 1:2** | **MICRO-ADSON 1:2** |
|---|---|---|---|---|
| 12,0 cm/4 3/4" | AB 100/12 | AB 102/12 | AB 110/12 | AB 112/12 |
| 15,0 cm/6" | AB 100/15 | AB 102/15 | AB 110/15 | AB 112/15 |

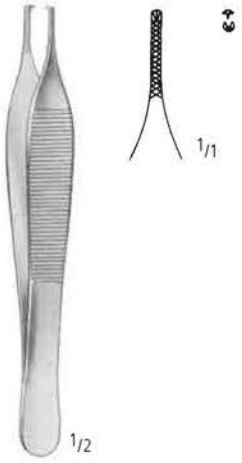
## PINZETTEN FORCEPS PINZAS PINCES PINZE

Anatomische Pinzetten, Chirurgische Pinzetten
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Pinzas de disección, Pinzas de disección con dientes
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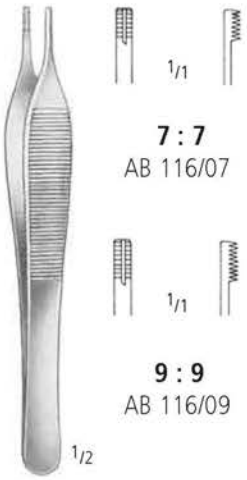




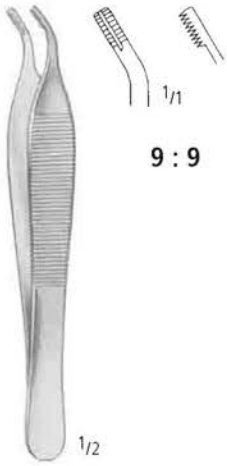

**ADSON**
AB 114/12
12,0 cm/4¾"



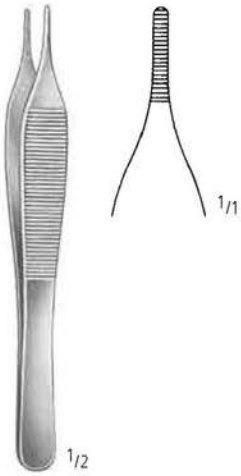

**ADSON 1:2**
AB 115/12
12,0 cm/4¾"



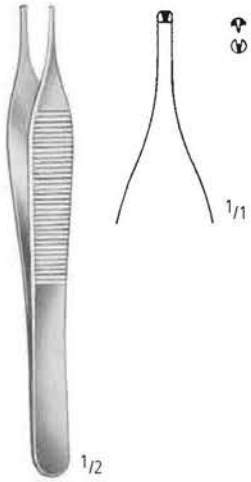

**ADSON-BROWN**
AB 116/07
AB 116/09
12,0 cm/4¾"




**ADSON-BROWN**
AB 117/09
12,0 cm/4¾"




**EWALD**
AB 118/01
12,0 cm/4¾"



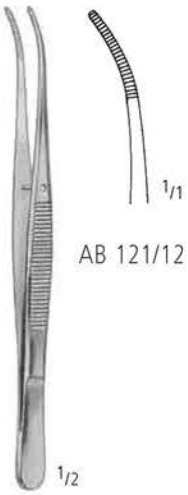

**EWALD 1:2**
AB 118/02
12,0 cm/4¾"




**McINDOE**
AB 119/15
15,0 cm/6"



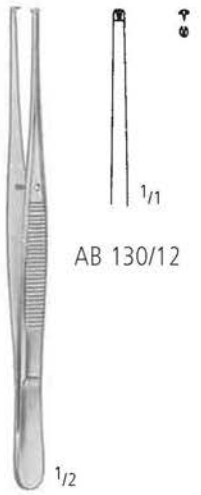

AB 120/12
AB 120/15

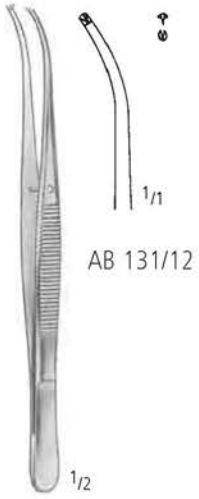



**SEMKEN**
12,5 cm/5" AB 121/12
15,5 cm/6" AB 121/15

# AB PINZETTEN FORCEPS PINZAS PINCES PINZE

Anatomische Pinzetten, Chirurgische Pinzetten
Dressing Forceps, Tissue Forceps
Pinzas de disección, Pinzas de disección con dientes
Pinces à dissection, Pinces à griffes
Pinze anatomiche per dissezione, Pinze chirurgiche a denti di topo




**SEMKEN 1:2**

| | | | |
|---|---|---|---|
| AB 130/12 | 12,5 cm/5" | AB 131/12 | |
| AB 130/15 | 15,5 cm/6" | AB 131/15 | |




**TAYLOR**
AB 140/17
17,5 cm/7"




**TAYLOR**
AB 141/17
17,5 cm/7"




**TAYLOR**
AB 142/17
17,5 cm/7"

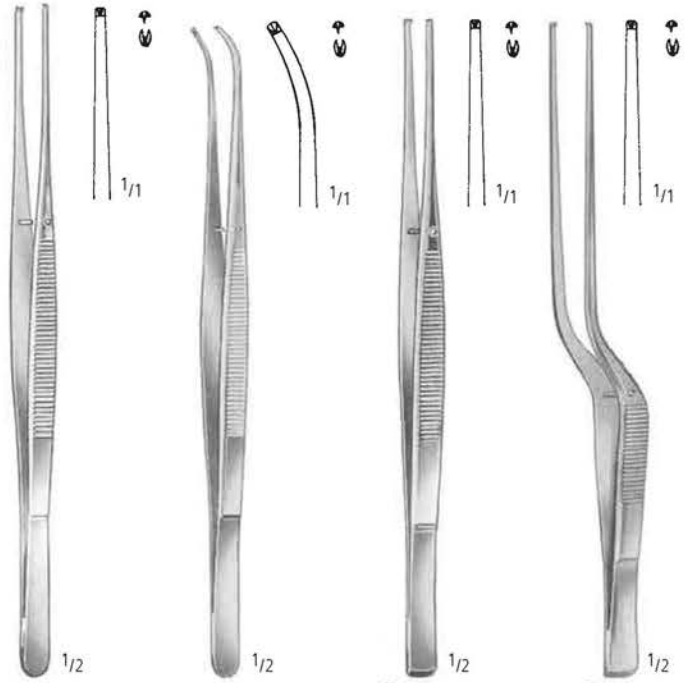



**TAYLOR**
AB 143/17
17,5 cm/7"

## PINZETTEN FORCEPS PINZAS PINCES PINZE

Anatomische Pinzetten, Chirurgische Pinzetten
Dressing Forceps, Tissue Forceps
Pinzas de disección, Pinzas de disección con dientes
Pinces à dissection, Pinces à griffes
Pinze anatomiche per dissezione, Pinze chirurgiche a denti di topo



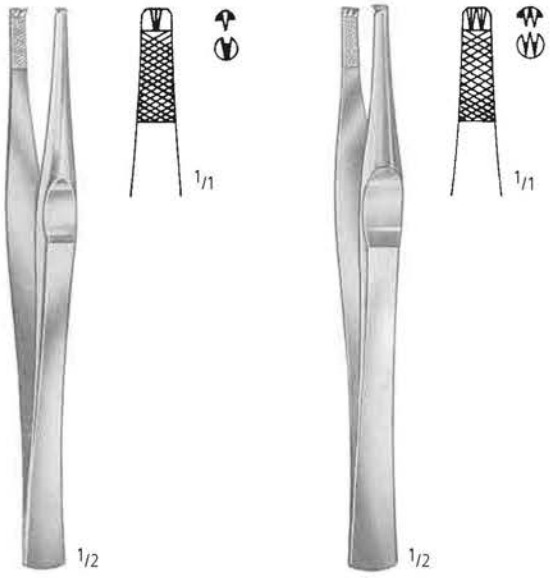



**TAYLOR**
**1:2**
AB 150/17
17,5 cm/7"

**TAYLOR**
**1:2**
AB 151/17
17,5 cm/7"

**TAYLOR**
**1:2**
AB 152/17
17,5 cm/7"

**TAYLOR**
**1:2**
AB 153/17
17,5 cm/7"

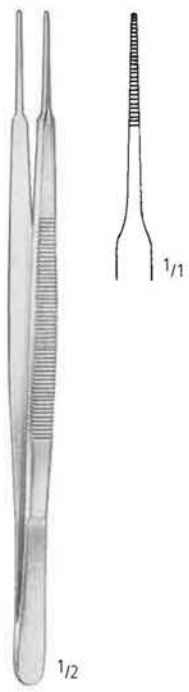



**LANE**
**1:2**
AB 156/14
AB 156/20
14,5 cm/5¾"
20,0 cm/8"

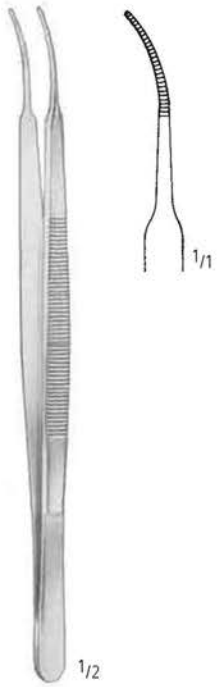
**LANE**
**2:3**
AB 158/14
AB 158/20

# AB PINZETTEN FORCEPS PINZAS PINCES PINZE

Anatomische Pinzetten, Chirurgische Pinzetten
Dressing Forceps, Tissue Forceps
Pinzas de disección, Pinzas de disección con dientes
Pinces à dissection, Pinces à griffes
Pinze anatomiche per dissezione, Pinze chirurgiche a denti di topo




**GERALD**
AB 160/18 18,0 cm/7"




**GERALD**
AB 161/18




**GERALD 1:2**
AB 170/18 18,0 cm/7"



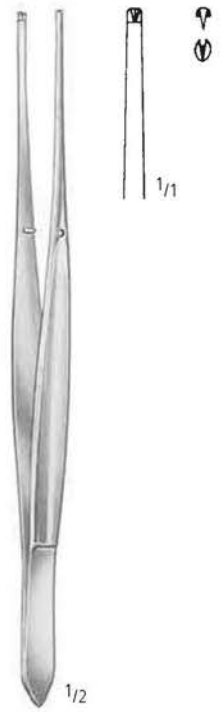

**GERALD 1:2**
AB 171/18




**CUSHING**
AB 180/17 17,5 cm/7"




**CUSHING**
AB 181/17



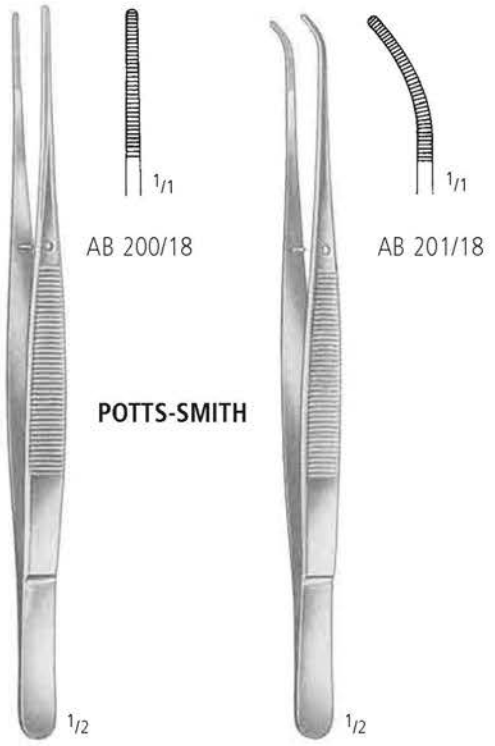

**CUSHING 1:2**
AB 190/17 17,5 cm/7"




**CUSHING 1:2**
AB 191/17

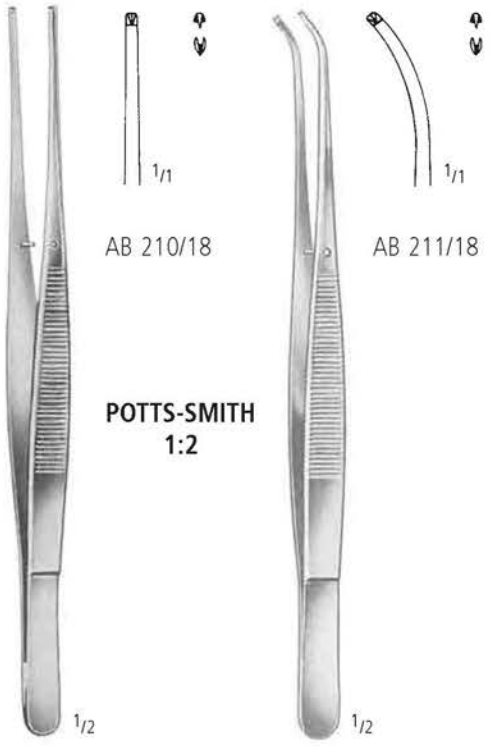
Anatomische Pinzetten, Chirurgische Pinzetten
Dressing Forceps, Tissue Forceps
Pinzas de disección, Pinzas de disección con dientes
Pinces à dissection, Pinces à griffes
Pinze anatomiche per dissezione, Pinze chirurgiche a denti di topo






AB 200/18 AB 201/18

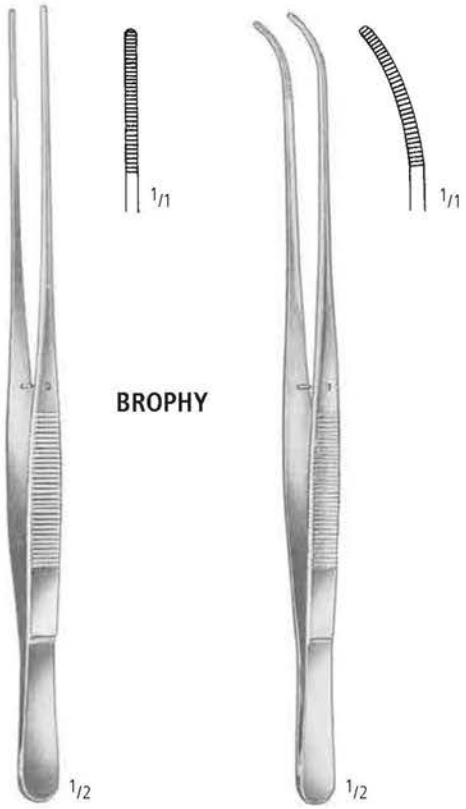
**POTTS-SMITH**



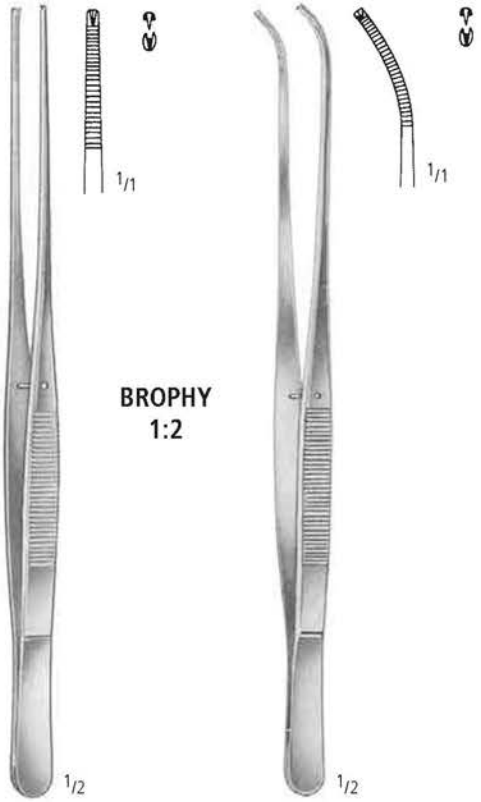

AB 210/18 AB 211/18

**POTTS-SMITH 1:2**

| | | | | |
|---|---|---|---|---|
| 18,0 cm/7" | AB 200/18 | AB 201/18 | AB 210/18 | AB 211/18 |
| 21,0 cm/8¼" | AB 200/21 | AB 201/21 | AB 210/21 | AB 211/21 |
| 25,0 cm/10" | AB 200/25 | AB 201/25 | AB 210/25 | AB 211/25 |



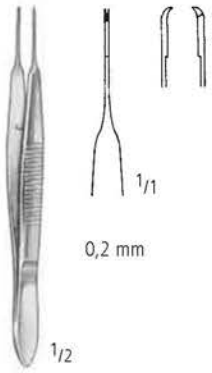

**BROPHY**



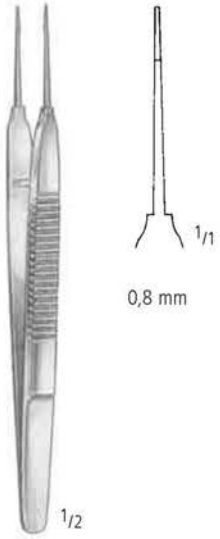

**BROPHY 1:2**

| | | | | |
|---|---|---|---|---|
| 20,0 cm/8" | AB 250/20 | AB 251/20 | AB 260/20 | AB 261/20 |

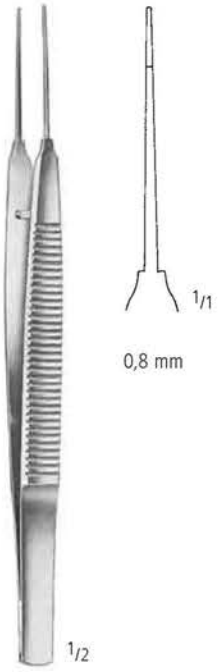
Mikro-Pinzetten, Knüpfpinzetten mit Plateau
Micro Forceps, Suture Tying Forceps with platform
Micro-Pinzas, Pinzas de ligadura con plataforma
Micro-Pinces, Pinces à ligature avec plate-forme
Micro-Pinze, Pinze per legature con piattaforma




**1:2**
AB 530/09
9,5 cm/3¾"




**AUSTIN**
AB 532/14
14,0 cm/5½"




**AUSTIN**
AB 532/18
18,0 cm/7"

## PINZETTEN FORCEPS PINZAS PINCES PINZE

Mikro-Pinzetten, Knüpfpinzetten mit Plateau, Gefässdilatator
Micro Forceps, Suture Tying Forceps with platform, Vessel Dilator
Micro-Pinzas, Pinzas de ligadura con plataforma, Dilatador para vasos
Micro-Pinces, Pinces à ligature avec plate-forme, Dilatateur pour vaisseaux
Micro-Pinze, Pinze per legature con piattaforma, Dilatatore per vasi





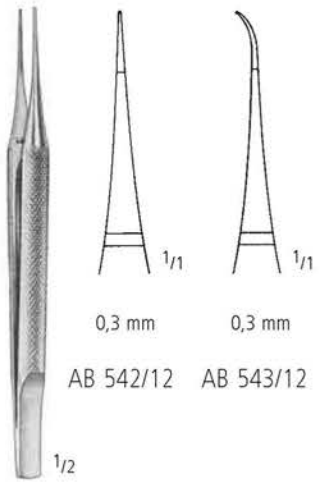

AB 536/14
14,0 cm/5½"



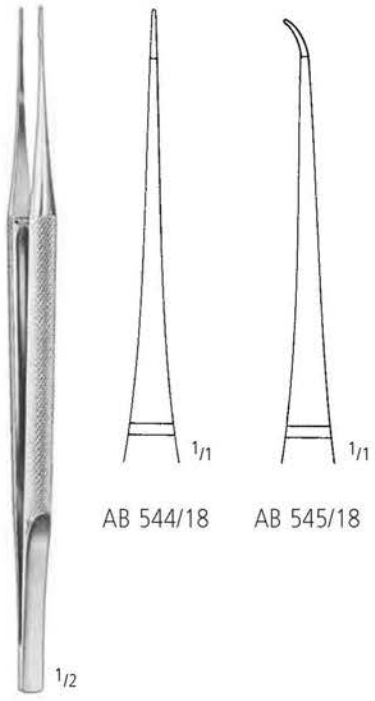

AB 538/14 **1:2**
14,0 cm/5½"




AB 540/14 **1:2**
14,0 cm/5½"

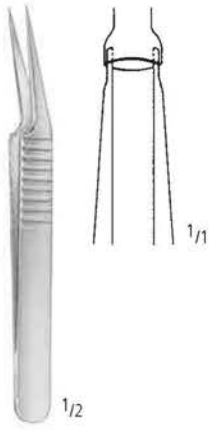



12,0 cm/4¾" AB 542/12 AB 543/12
15,0 cm/6" AB 542/15 AB 543/15



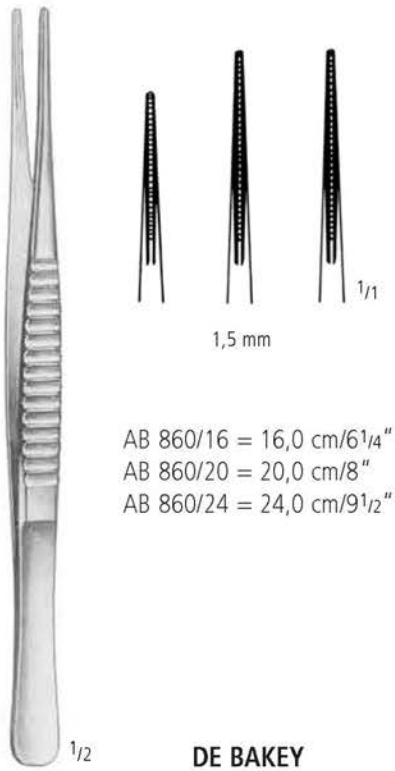

AB 544/18 AB 545/18

18,0 cm/7"



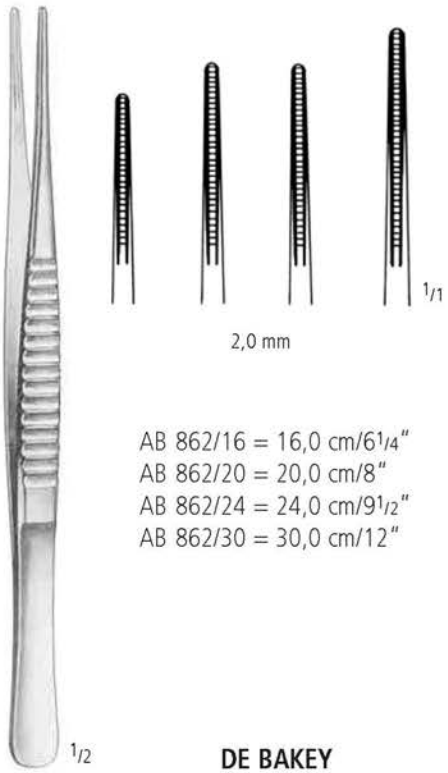

AB 546/11
11,0 cm/4⅓"

Atraumatische Pinzetten
Non-traumatic Vascular Tissue Forceps
Pinzas Atrauma
Pinces Atrauma
Pinze Atrauma



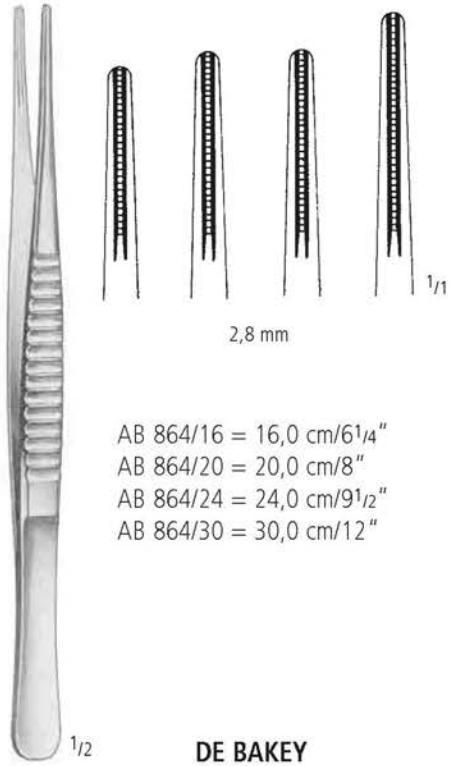

AB 860/16 = 16,0 cm/6¼"
AB 860/20 = 20,0 cm/8"
AB 860/24 = 24,0 cm/9½"

**DE BAKEY**



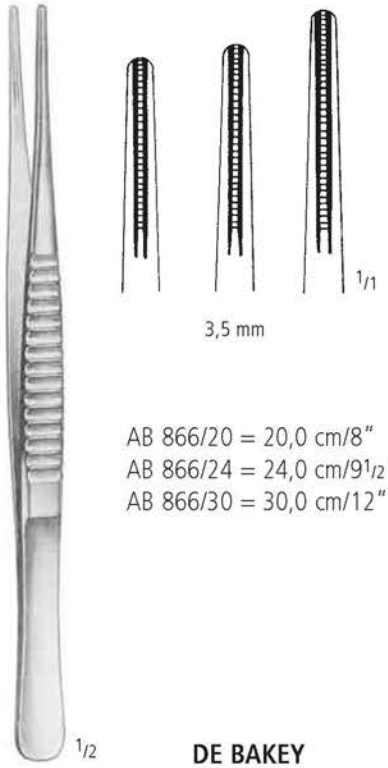

AB 862/16 = 16,0 cm/6¼"
AB 862/20 = 20,0 cm/8"
AB 862/24 = 24,0 cm/9½"
AB 862/30 = 30,0 cm/12"

**DE BAKEY**



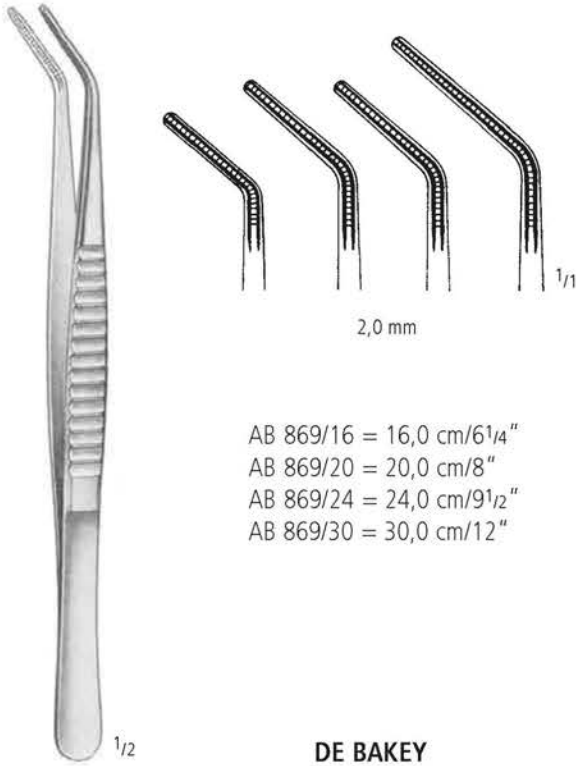

AB 864/16 = 16,0 cm/6¼"
AB 864/20 = 20,0 cm/8"
AB 864/24 = 24,0 cm/9½"
AB 864/30 = 30,0 cm/12"

**DE BAKEY**




AB 866/20 = 20,0 cm/8"
AB 866/24 = 24,0 cm/9½"
AB 866/30 = 30,0 cm/12"

**DE BAKEY**

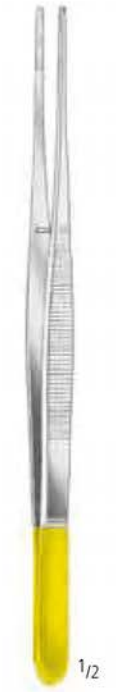



AB 869/16 = 16,0 cm/6¼"
AB 869/20 = 20,0 cm/8"
AB 869/24 = 24,0 cm/9½"
AB 869/30 = 30,0 cm/12"

**DE BAKEY**

Pinzetten mit Hartmetalleinsätzen
Dissecting Forceps with Tungsten Carbide Inserts
Pinzas de disección con bocas de carburo de tungsteno
Pinces à dissection avec mors en carbure de tungstène
Pinze per dissezione con punte di carburo di tungsteno






**POTTS-SMITH**




AB 880/15
15,0 cm/6"




AB 880/18
18,0 cm/7"




AB 880/20
20,0 cm/8"




AB 880/23
23,0 cm/9"




AB 880/25
25,0 cm/10"




**OEHLER 1:2**




AB 882/14
14,0 cm/5 1/2"




AB 882/16
16,0 cm/6 1/4"




AB 882/18
18,0 cm/7"




AB 882/20
20,0 cm/8"




AB 882/25
25,0 cm/10"




AB 882/30
30,0 cm/12"

nopa® TUC







AB 890/12

**SEMKEN**
AB 890/12 12,5 cm/5"
AB 890/15 15,5 cm/6"



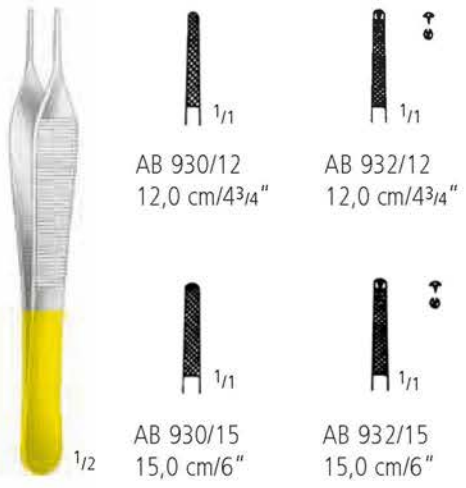

**GILLIES 1:2**
AB 900/15
15,0 cm/6"




**JEWELER**
AB 902/15
15,0 cm/6"

Pinzetten mit Hartmetalleinsätzen
Dissecting Forceps with Tungsten Carbide Inserts
Pinzas de disección con bocas de carburo de tungsteno
Pinces à dissection avec mors en carbure de tungstène
Pinze per dissezione con punte di carburo di tungsteno

nopa® TUC




**ADSON**




**CUSHING**
17,5 cm/7"




**CUSHING-TAYLOR**
AB 943/18
18,0 cm/7"

Pinzetten mit Hartmetalleinsätzen
Dissecting Forceps with Tungsten Carbide Inserts
Pinzas de disección con bocas de carburo de tungsteno
Pinces à dissection avec mors en carbure de tungstène
Pinze per dissezione con punte di carburo di tungsteno



nopa® TUC





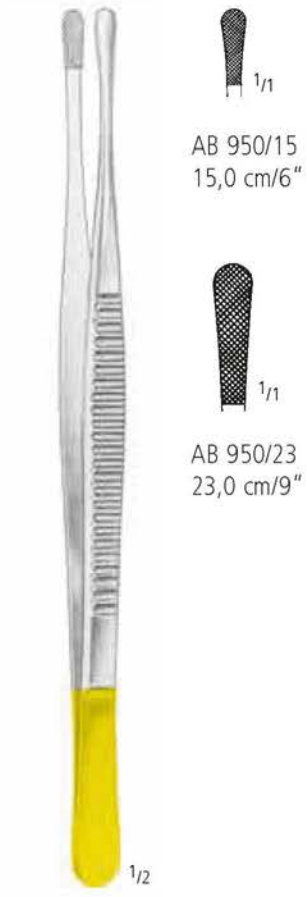


**DE BAKEY**

| | 1,5 mm | 2,0 mm |
|---|---|---|
| 16,0 cm/6¼" | AB 944/16 | AB 946/16 |
| 20,0 cm/8" | AB 944/20 | AB 946/20 |
| 24,0 cm/9½" | AB 944/24 | AB 946/24 |



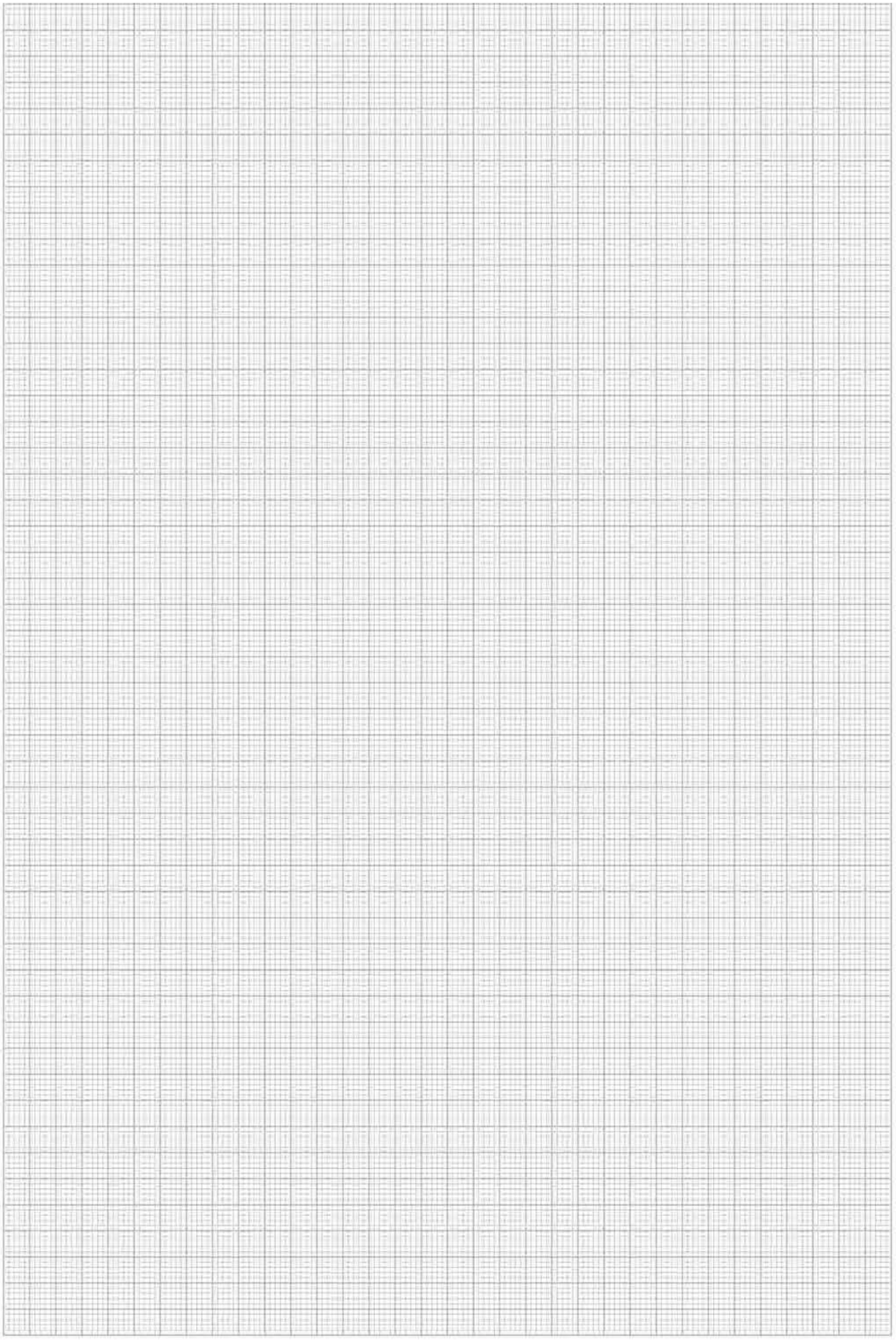

**BONNEY 1:2**
AB 948/18
18,0 cm/7"




AB 950/15
15,0 cm/6"

AB 950/23
23,0 cm/9"

**WANGENSTEEN**



# SCHEREN
# SCISSORS
# TIJERAS
# CISEAUX
# FORBICI

# AC

nopa® instruments

Weitere Scheren finden Sie in unserem Katalog „Allgemeine Chirurgie“ in Gruppe AC.

For further scissors kindly refer to our catalogue „General Surgery“, section AC.

Para tijeras adicionales, por favor consulte nuestro catálogo de „Cirugía general“, grupo AC.

Pour des ciseaux supplémentaires, consultez notre catalogue „Chirurgie Generale“, section AC.

Per gli altri forbici, consultare il nostro catalogo „Chirurgia Generale“, gruppo AC.

>>

# nopa® SC SUPER CUT




## Besonderheit:

**nopa Super Cut** Scheren haben eine rasierklingenscharfe Schneide, kombiniert mit einer mikrogezahnten Schneide.

>> Diese Scheren sind durch schwarze Ringe gekennzeichnet.

## Features:

**nopa Super Cut** scissors have a razor-like edge combined with one micro serrated blade.

>> Black rings for easy identification.

## Verfügbare Modelle / Available Patterns

Im Katalog durch * markiert. / Marked in catalog with *.

AC 110/18 SC METZENBAUM-NELSON SCS. STR. BL/BL 18.0 CM SC

AC 110/20 SC METZENBAUM-NELSON SCS. STR. BL/BL 20.0 CM SC

AC 110/23 SC METZENBAUM-NELSON SCS. STR. BL/BL 23.0 CM SC

AC 111/18 SC METZENBAUM-NELSON SCS. CVD. BL/BL 18.0 CM SC

AC 111/20 SC METZENBAUM-NELSON SCS. CVD. BL/BL 20.0 CM SC

AC 111/23 SC METZENBAUM-NELSON SCS. CVD. BL/BL 23.0 CM SC

AC 141/14 SC METZENBAUM-DELICATE SCS. BL/BL CVD. 14.5 CM SC

AC 151/18 SC METZENBAUM-DELICATE SCS. BL/BL CVD. 18.0 CM SC

AC 214/15 SC REYNOLDS DISS. SCS. STR. SH/SH 15.0 CM SC

AC 214/18 SC REYNOLDS DISS. SCS. CVD. SH/SH 18.0 CM SC

AC 450/11 SC IRIS SCS. STR. SH/SH 11.5 CM SC

AC 451/11 SC IRIS SCS. CVD. SH/SH 11.5 CM SC

AC 476/11 SC STEVENS TENOTOMY SCS. STR. BL/BL 11.5 CM SC

AC 477/11 SC STEVENS TENOTOMY SCS. CVD. BL/BL 11.5 CM SC



# titan instruments

# nopa® instruments

**Besonderheit:**

**nopa** Titan Instrumente bieten insbesondere in der Herz-Thorax-Chirurgie Vorteile gegenüber herkömmlichen Instrumenten. Titan ist ca. 45% leichter als rostfreier Edelstahl, weshalb Titan Instrumente weniger traumatisierend sind. Titan ist außerdem ein vollkommen korrosionsbeständiges und antimagnetisches Material. **nopa** Titan Instrumente bedeuten größtmöglichen Komfort für den Chirurgen.

**Features:**

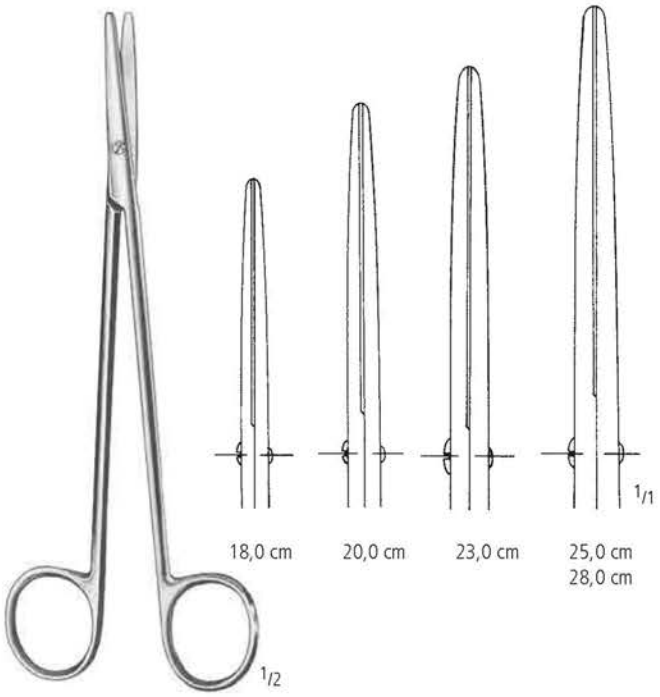
**nopa** Titan Instruments provide especially in Cardiovascular surgery a significant advantage compared to other Instruments. Titan is approximately 45% lighter than stainless steel. For that reason, Titan Instruments are less traumatic. Besides that, Titan is a completely stainless and anti-magnetic material.
**nopa** Titan Instruments are the most comfortable choice for the Cardiovascular surgeon.

| | |
|---|---|
| **AC 870/11 T** | MICRO SCISSORS 18.0 CM, 25° |
| **AC 870/12 T** | MICRO SCISSORS 18.0 CM, 45° |
| **AC 870/13 T** | MICRO SCISSORS 18.0 CM, 60° |
| **AC 870/14 T** | MICRO SCISSORS 18.0 CM, 90° |
| **AC 870/15 T** | MICRO SCISSORS 18.0 CM, 125° |
| **AC 871/11 T** | MICRO SCISSORS 18.0 CM, 25° |
| **AC 871/12 T** | MICRO SCISSORS 18.0 CM, 45° |
| **AC 871/13 T** | MICRO SCISSORS 18.0 CM, 60° |
| **AC 871/14 T** | MICRO SCISSORS 18.0 CM, 90° |
| **AC 871/15 T** | MICRO SCISSORS 18.0 CM, 125° |


mm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
inch 1 2 3 4 5 6 7 8 9 10

Präparierscheren
Dissecting Scissors
Tijeras para preparaciones
Ciseaux à dissection
Forbici per preparazioni






**METZENBAUM-NELSON**




**METZENBAUM-NELSON**



Fig. 1



Fig. 2



Fig. 3

| | | | | | | |
|---|---|---|---|---|---|---|
| 18,0 cm/7" | AC 110/18* | AC 111/18* | AC 120/18 | AC 121/18 | AC 130/18 | AC 131/18 |
| 20,0 cm/8" | AC 110/20* | AC 111/20* | AC 120/20 | AC 121/20 | AC 130/20 | AC 131/20 |
| 23,0 cm/9" | AC 110/23* | AC 111/23* | AC 120/23 | AC 121/23 | AC 130/23 | AC 131/23 |
| 25,0 cm/10" | AC 110/25 | AC 111/25 | AC 120/25 | AC 121/25 | AC 130/25 | AC 131/25 |
| 28,0 cm/11" | AC 110/28 | AC 111/28 | AC 120/28 | AC 121/28 | AC 130/28 | AC 131/28 |
| 30,0 cm/12" | AC 110/30 | AC 111/30 | AC 120/30 | AC 121/30 | AC 130/30 | AC 131/30 |

* Auch erhältlich als SC  * Also available as SC

Präparierscheren, DELICATE
Dissecting Scissors, DELICATE
Tijeras para preparaciones, DELICATE
Ciseaux à dissection, DELICATE
Forbici per preparazioni, DELICATE

## **METZENBAUM**-DELICATE

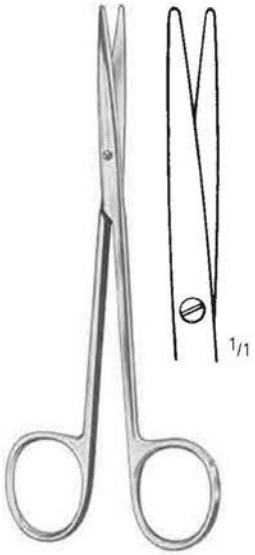



Fig. 1
AC 140/14
14,5 cm/5¾"

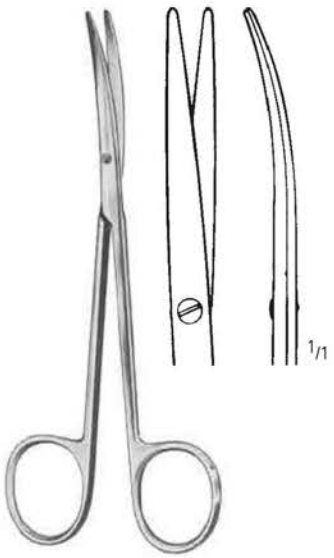



Fig. 1
AC 141/14*
14,5 cm/5¾"

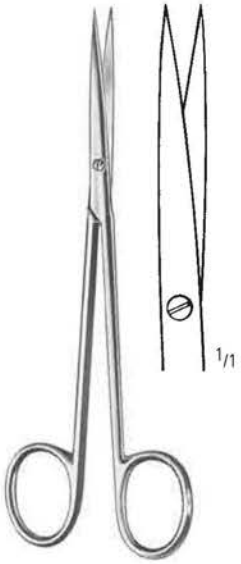



Fig. 3
AC 142/14
14,5 cm/5¾"

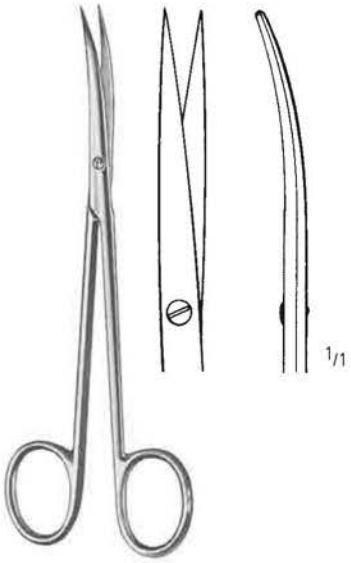



Fig. 3
AC 143/14
14,5 cm/5¾"

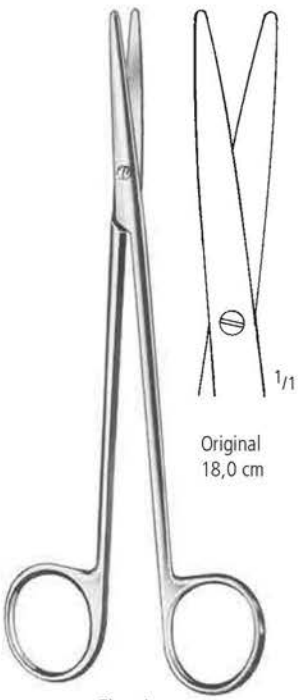



Fig. 1

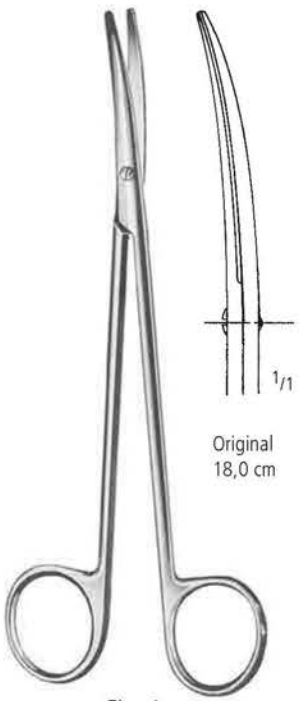



Fig. 1

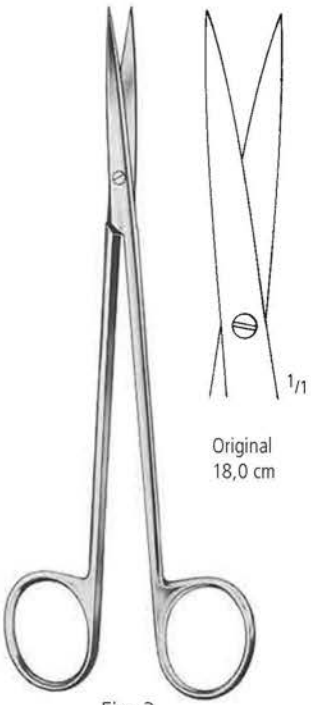



Fig. 3

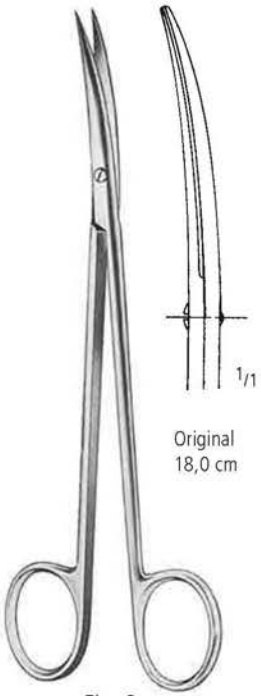



Fig. 3

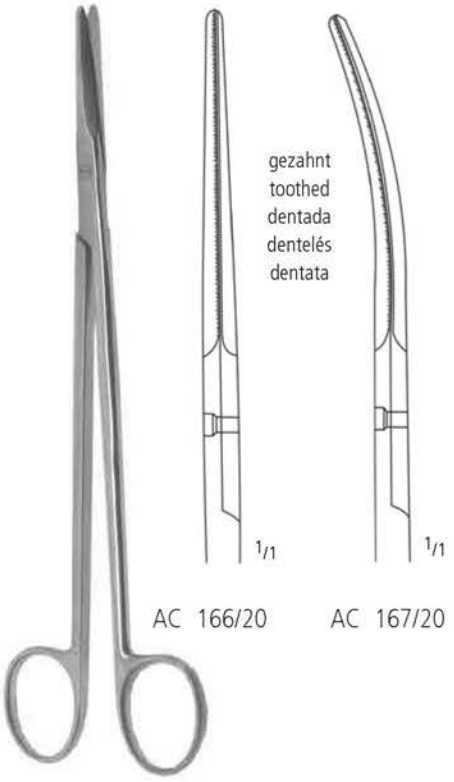
| | | | | |
|---|---|---|---|---|
| 18,0 cm/7" | AC 150/18 | AC 151/18* | AC 152/18 | AC 153/18 |
| 20,0 cm/8" | AC 150/20 | AC 151/20 | AC 152/20 | AC 153/20 |
| 23,0 cm/9" | AC 150/23 | AC 151/23 | AC 152/23 | AC 153/23 |
| 25,0 cm/10" | | | AC 152/25 | AC 153/25 |
| 28,0 cm/11" | | | AC 152/28 | AC 153/28 |
| 30,0 cm/12" | | | AC 152/30 | AC 153/30 |



* Auch erhältlich als SC * Also available as SC

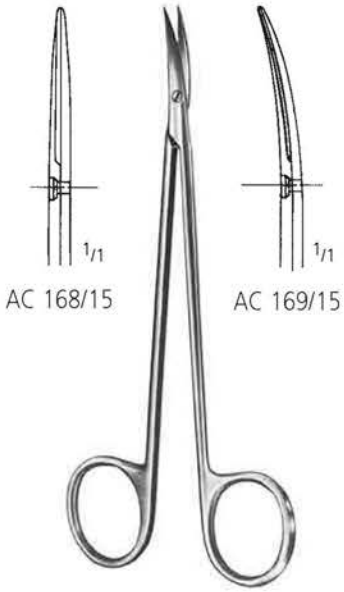
Präparierscheren
Dissecting Scissors
Tijeras para preparaciones
Ciseaux à dissection
Forbici per preparazioni






**GORNEY**
19,5 cm/7¾"

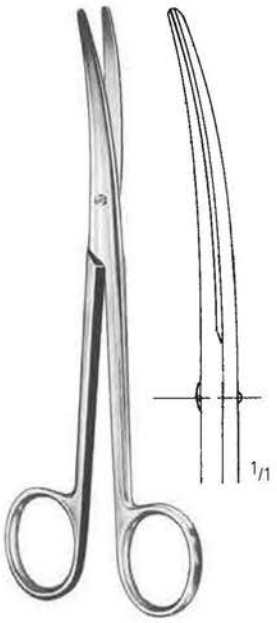
Nerv-Präparierschere
Nerve dissecting scissors
Tijeras para nervios
Ciseaux pour nerfs
Forbici per nervi




15,0 cm/6"



**LEXER**
AC 170/16
16,0 cm/6¼"




**LEXER**
AC 171/16
16,0 cm/6¼"

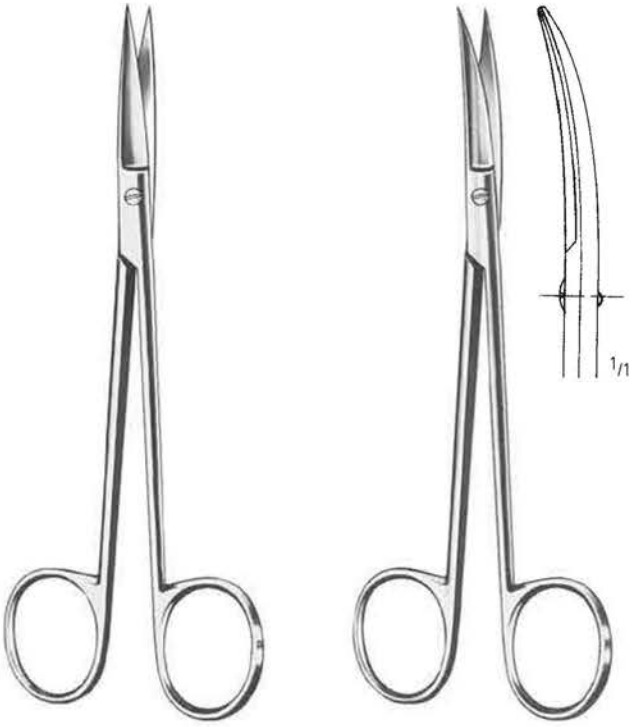
# AC SCHEREN SCISSORS TIJERAS CISEAUX FORBICI

Präparierscheren
Dissecting Scissors
Tijeras para preparaciones
Ciseaux à dissection
Forbici per preparazioni



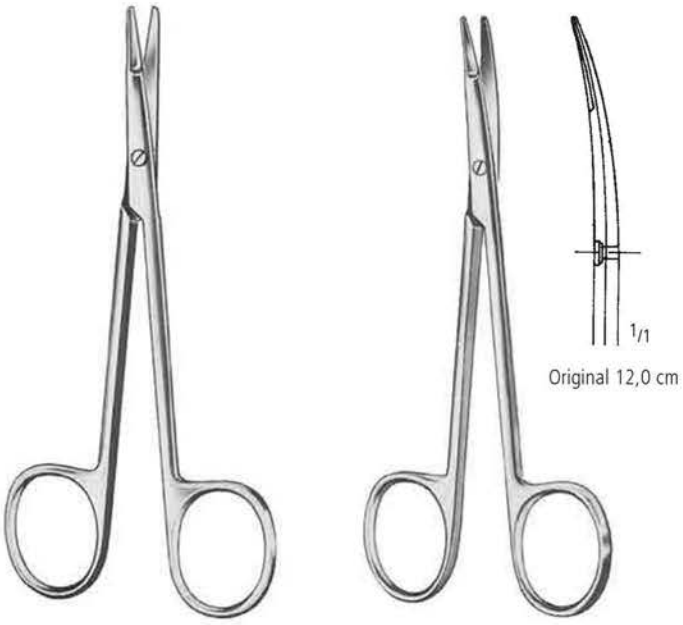

**SANVENERO**

| | |
|---|---|
| AC 200/14 | AC 201/14 |
| 14,0 cm/5½" | 14,0 cm/5½" |




**JOSEPH**

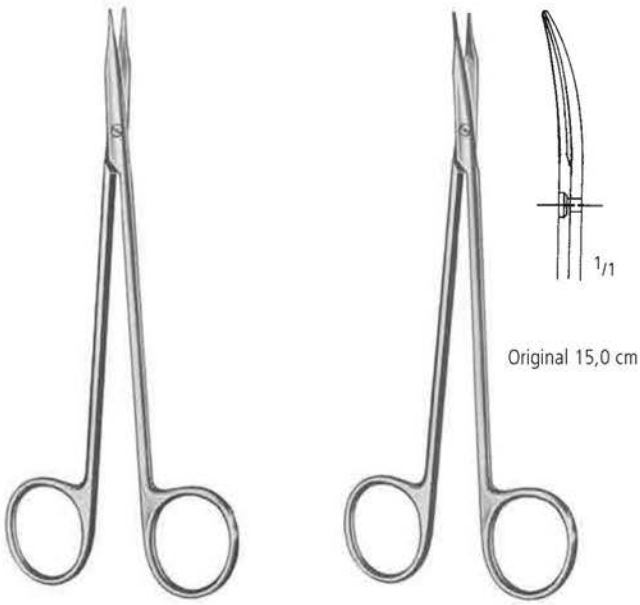
| | |
|---|---|
| AC 204/14 | AC 205/14 |
| 14,0 cm/5½" | 14,0 cm/5½" |




Original 12,0 cm

**KILNER (RAGNELL)**

| | | |
|---|---|---|
| AC 208/12 | 12,0 cm/4¾" | AC 210/12 |
| AC 208/15 | 15,0 cm/6" | AC 210/15 |
| AC 208/18 | 18,0 cm/7" | AC 210/18 |
| AC 208/20 | 20,0 cm/8" | AC 210/20 |




Original 15,0 cm

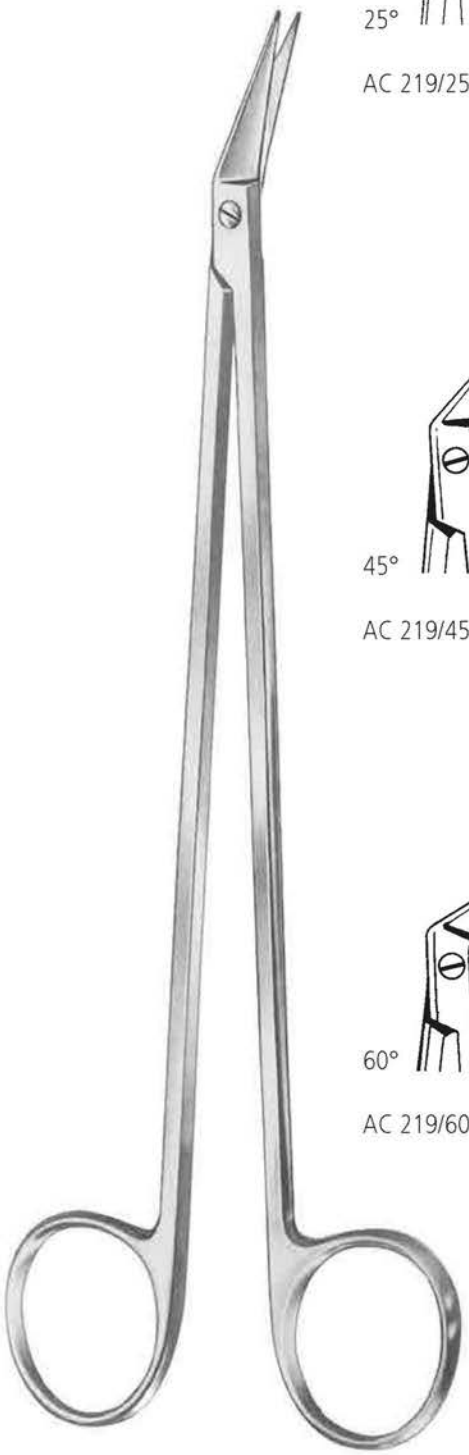
**REYNOLDS**

| | | |
|---|---|---|
| AC 214/15* | 15,0 cm/6" | AC 215/15 |
| AC 214/18* | 18,0 cm/7" | AC 215/18 |



* Auch erhältlich als SC * Also available as SC

Scheren für Gefäß-Chirurgie
Scissors for Vascular Surgery
Tijeras para cirugía vasculares
Ciseaux pour chirurgie vasculaire
Forbici per chirurgia vascolare

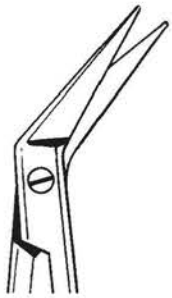


**POTT-SMITH**
19,0 cm/7 1/2"



25°

AC 219/25



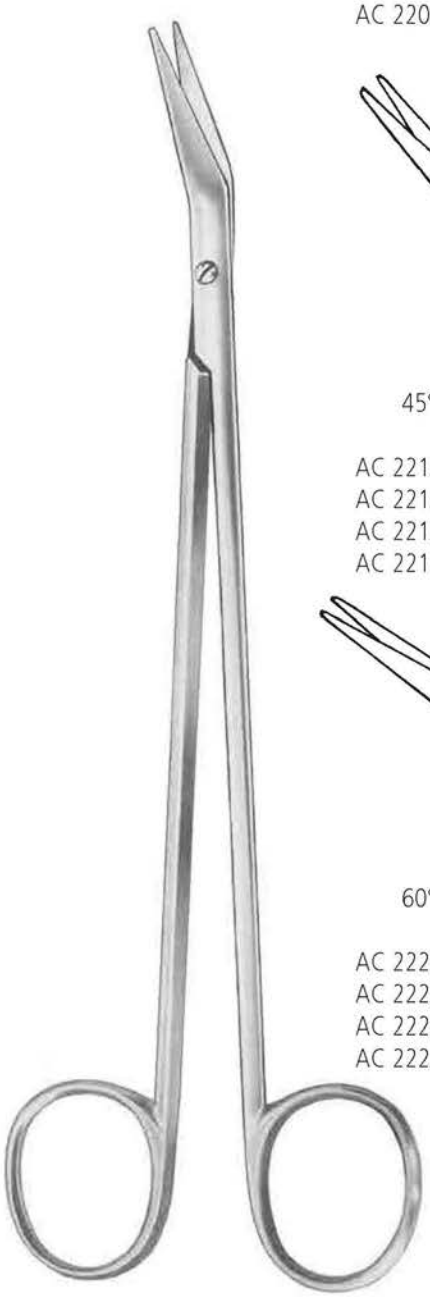
45°

AC 219/45



60°

AC 219/60

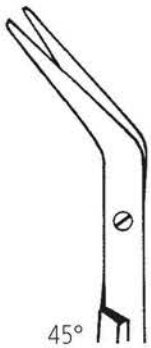


**DE BAKEY**



25°

| | |
|---|---|
| AC 220/16 | 16,0 cm/6 1/4" |
| AC 220/19 | 19,0 cm/7 1/2" |
| AC 220/23 | 23,0 cm/9" |
| AC 220/28 | 28,0 cm/11" |



45°

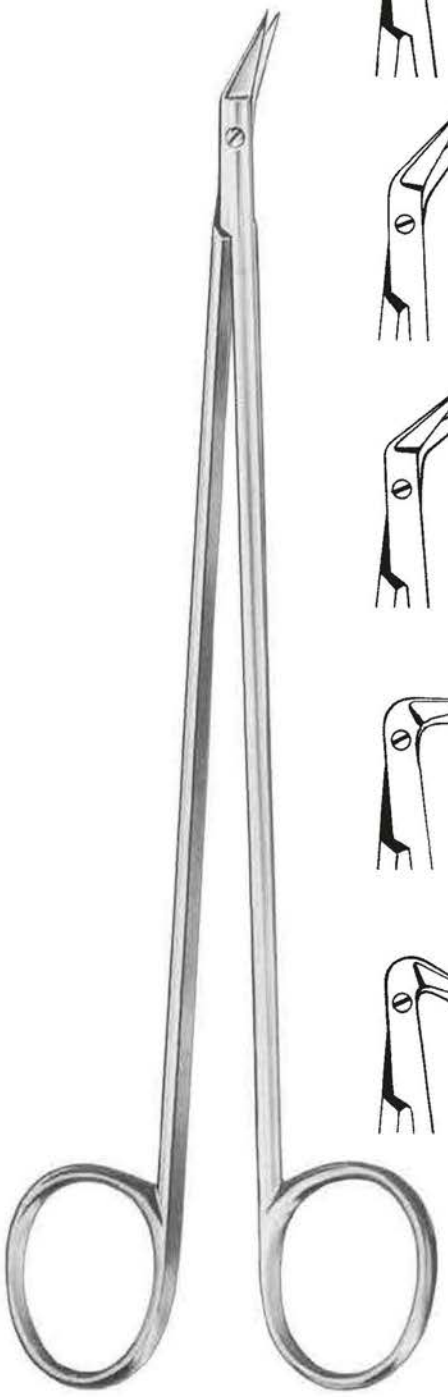
| | |
|---|---|
| AC 221/16 | 16,0 cm/6 1/4" |
| AC 221/19 | 19,0 cm/7 1/2" |
| AC 221/23 | 23,0 cm/9" |
| AC 221/28 | 28,0 cm/11" |



60°

| | |
|---|---|
| AC 222/16 | 16,0 cm/6 1/4" |
| AC 222/19 | 19,0 cm/7 1/2" |
| AC 222/23 | 23,0 cm/9" |
| AC 222/28 | 28,0 cm/11" |

Scheren für Gefäß-Chirurgie
Scissors for Vascular Surgery
Tijeras para cirugía vasculares
Ciseaux pour chirurgie vasculaire
Forbici per chirurgia vascolare



18,0 cm/7"



25°
AC 223/01 18,0 cm/7"
AC 224/01 19,0 cm/7 1/2"



45°
AC 223/02 18,0 cm/7"
AC 224/02 19,0 cm/7 1/2"



60°
AC 223/03 17,5 cm/7"
AC 224/03 19,0 cm/7 1/2"

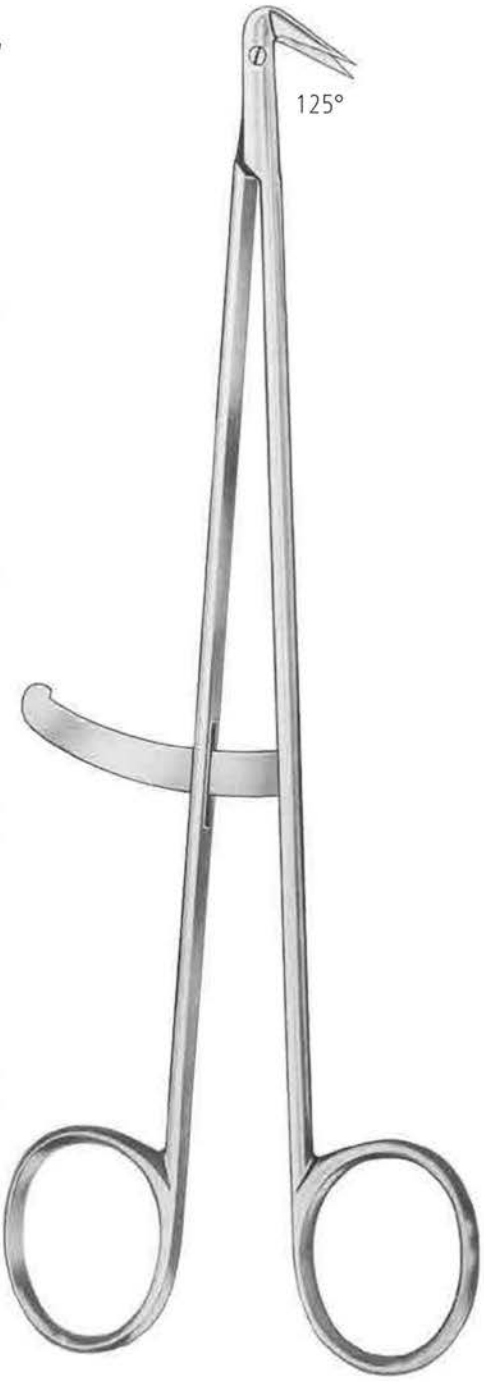


90°
AC 223/04 17,0 cm/6 3/4"
AC 224/04 19,0 cm/7 1/2"



125°
AC 223/05 17,0 cm/6 3/4"
AC 224/05 19,0 cm/7 1/2"

**HEGEMANN-DIETHRICH**

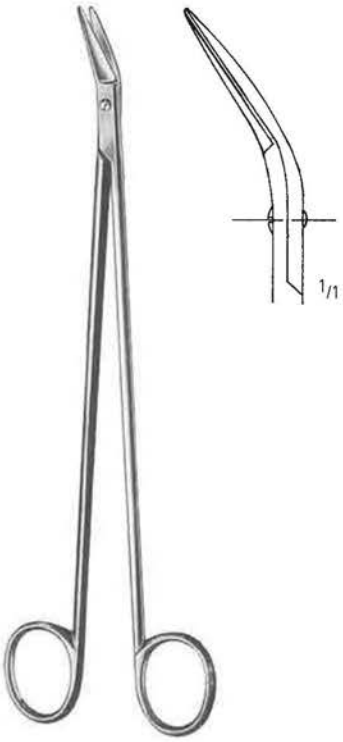


125°

AC 225/19
19,0 cm/7 1/2"

Scheren für Gefäß- und Neurochirurgie
Scissors for Vascular and Neuro Surgery
Tijeras para cirugía vasculares y neurocirugía
Ciseaux pour chirurgie vasculaire et neurochirurgie
Forbici vascolari, Forbici per neurochirurgia






**POTTS-SMITH**
AC 227/19
19,5 cm/7¾"

Coronar-Schere
Coronary-Scissors
Tijeras coronarias
Ciseaux coronaires
Forbici coronaria



AC 228/11
11,5 cm/4½"



AC 230/14
14,5 cm/5¾"

geknöpft
probe pointed
con botón
boutonne
bottenuto

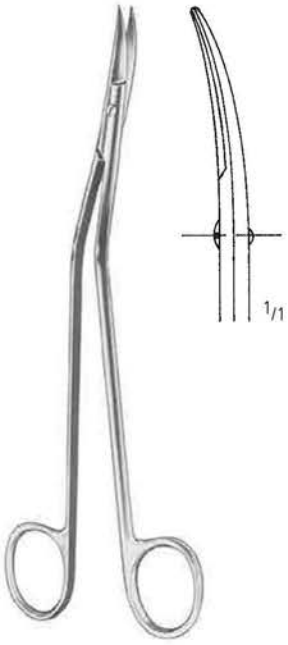




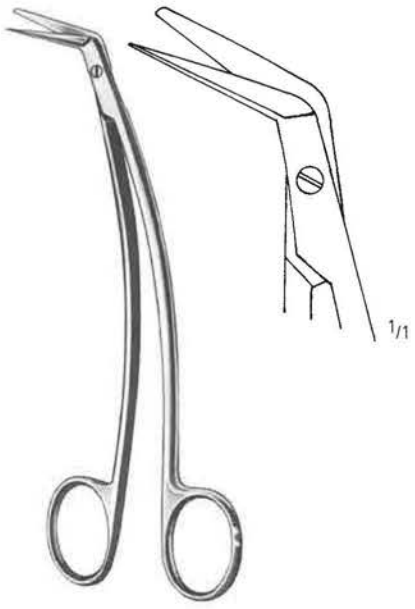
**STRULLY**

AC 231/22
22,0 cm/8¾"

AC 232/22
22,0 cm/8¾"

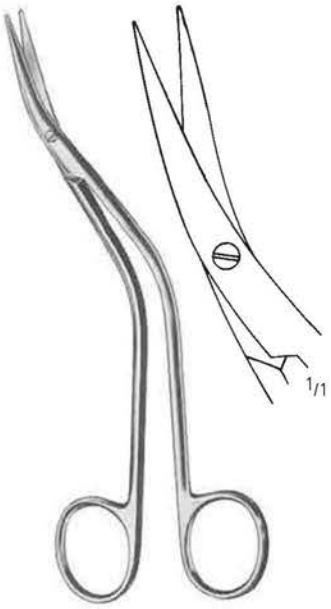


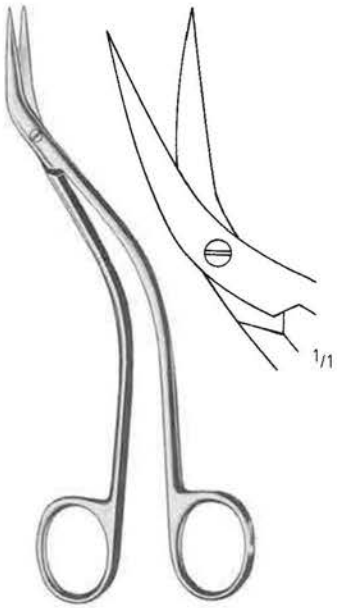

**DANDY**
AC 233/17
17,0 cm/6¾"




**FAVALORO**
AC 234/15
15,0 cm/6"

Scheren für Gefäß- und Neurochirurgie
Scissors for Vascular and Neuro Surgery
Tijeras para cirugía vasculares y neurocirugía
Ciseaux pour chirurgie vasculaire et neurochirurgie
Forbici vascolari, Forbici per neurochirurgia




**DE BAKEY**

AC 235/15
15,5 cm/6"

AC 236/15
15,5 cm/6"



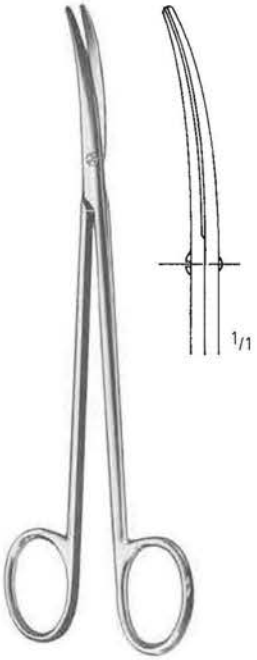
**POTTS-DE MARTEL**
AC 237/21
21,0 cm/8¼"



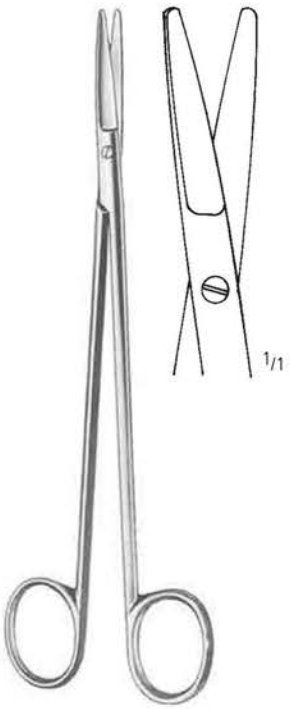
**MILLS**
AC 238/21
21,0 cm/8¼"

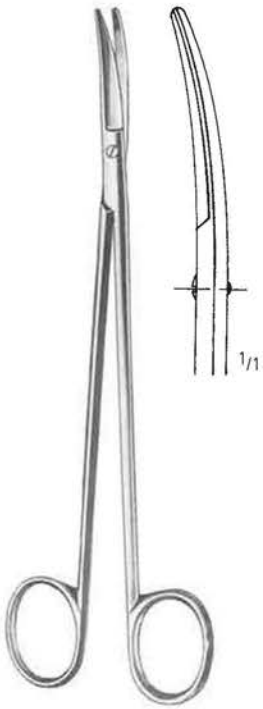


**SCHMIEDEN-TAYLOR**
14,5 cm/5½" AC 241/15
17,0 cm/6¾" AC 241/17




**TOENNIS-ADSON**
AC 247/17
17,5 cm/7"




**TOENNIS**

AC 248/18
18,0 cm/7"

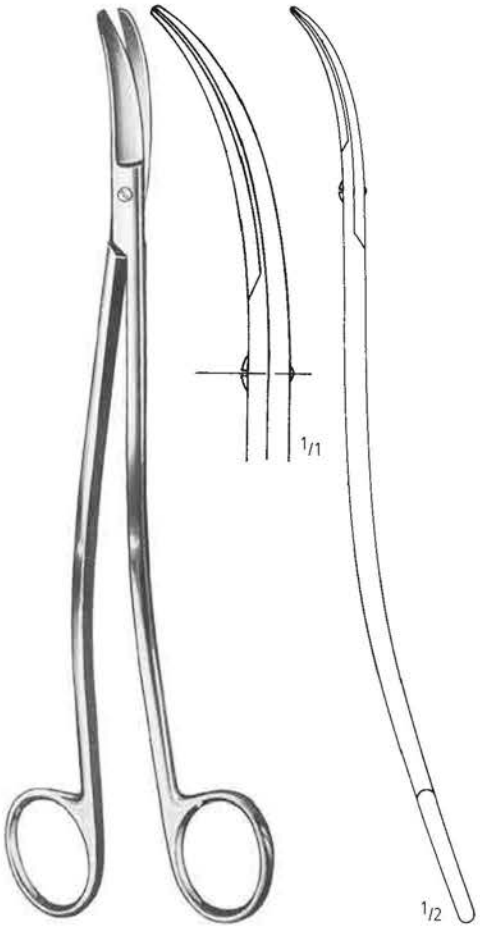
AC 249/18
18,0 cm/7"

Scheren für Gefäß- und Neurochirurgie
Scissors for Vascular and Neuro Surgery
Tijeras para cirugía vasculares y neurocirugía
Ciseaux pour chirurgie vasculaire et neurochirurgie
Forbici vascolari, Forbici per neurochirurgia

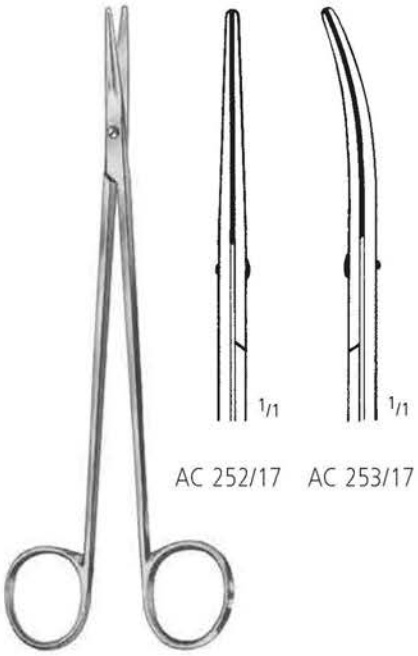




**KLINKENBERGH-LOTH**
AC 250/23
23,0 cm/9"




**SATINSKY**
AC 251/24
24,5 cm/9¾"

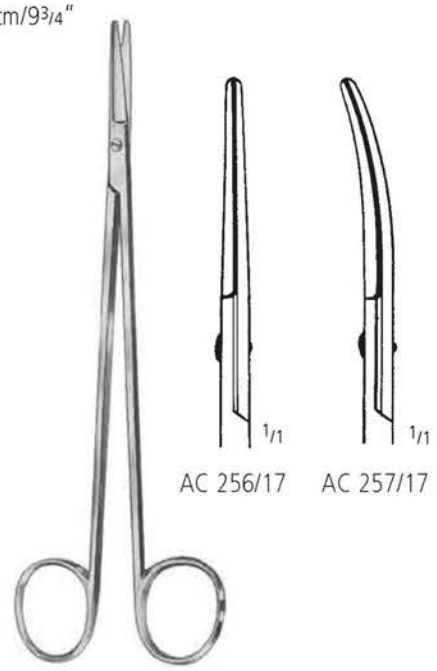



AC 252/17 AC 253/17

**LINCOLN**
17,0 cm/6¾"

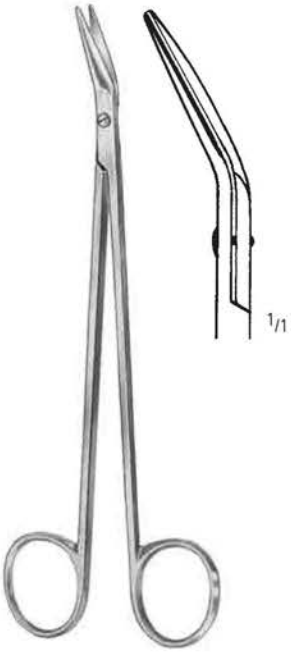


**FULTON**
AC 255/17
17,0 cm/6¾"




AC 256/17 AC 257/17

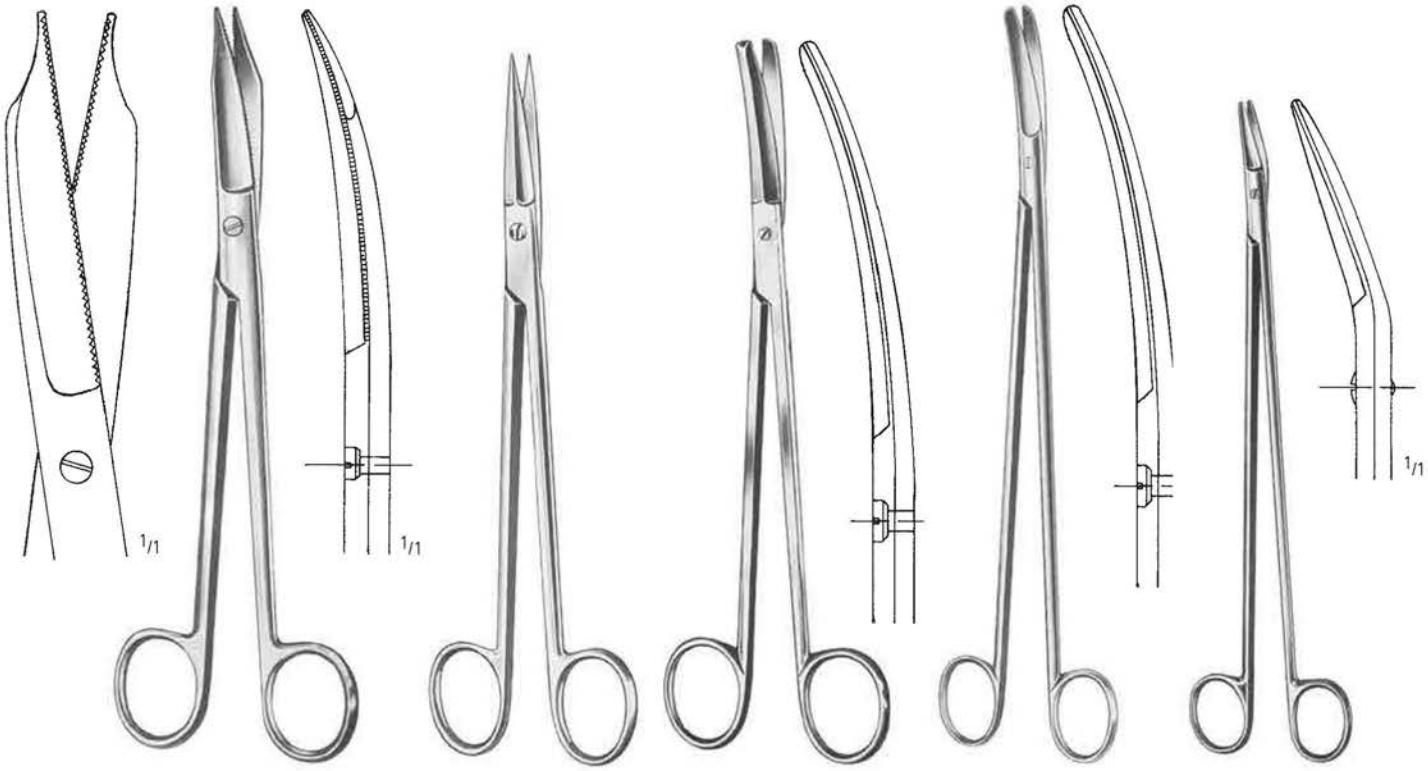
**CHURCH**
17,0 cm/6¾"




**CLASSON**
AC 258/17
17,0 cm/6¾"

# AC SCHEREN SCISSORS TIJERAS CISEAUX FORBICI

Knorpel-, Lungenlappen-, Darm- und Anatomiescheren
Cartilage-, Lobectomy-, Enteretomy- and Dissecting Scissors
Tijeras para cartilago, lobectomia, enterótomos y disección
Ciseaux pour le cartilage, à lobectomie, à episiotomie et à préparation
Forbici per cartilagini, lobectomia, episiotomia e anatomia




**MARTIN-CARTILAGE**
AC 275/20
20,0 cm/8″

**MC INDOE**
AC 276/19
19,0 cm/7½″

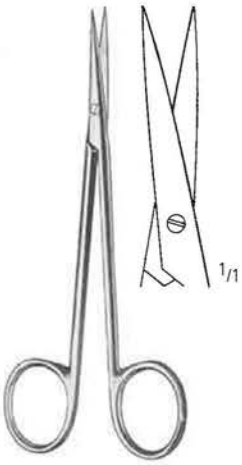
**POTTS-SMITH**
AC 277/19
19,0 cm/7½″

**CRAFOORD**
AC 280/30
30,0 cm/12″

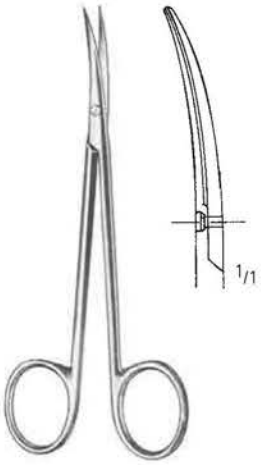
**FINOCHIETTO**
AC 281/27
27,0 cm/10¾″

Feine Scheren
Fine Scissors
Tijeras finas
Ciseaux fins
Forbici fini

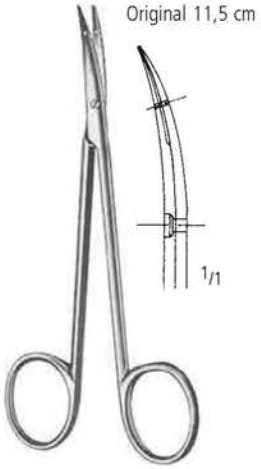





AC 410/11
11,5 cm/4½"

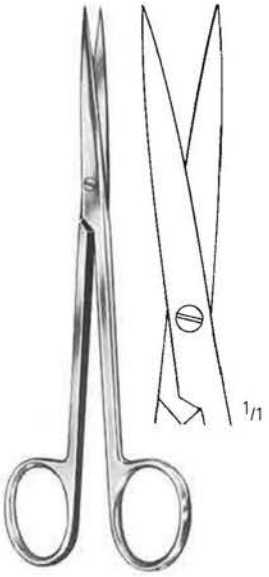


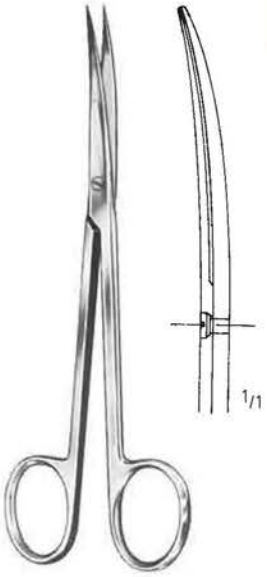

AC 411/11
11,5 cm/4½"




**LITTLER**

AC 412/11 11,5 cm/4½"
AC 412/14 14,0 cm/5½"

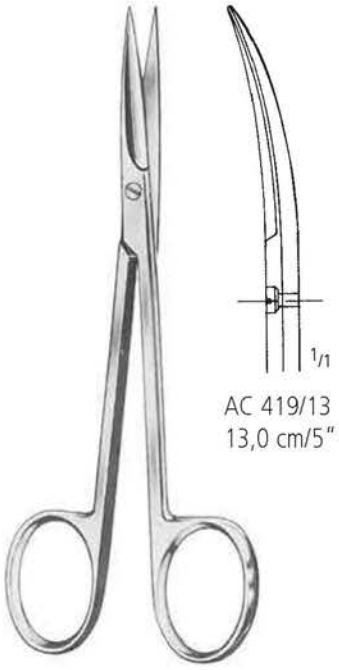



**BROPHY (SULLIVAN)**

AC 414/14
14,5 cm/5¾"

AC 415/14
14,5 cm/5¾"




AC 419/13
13,0 cm/5"

AC 418/13
13,0 cm/5"



AC 422/10
AC 422/11

10,5 cm/4¼"
11,5 cm/4½"

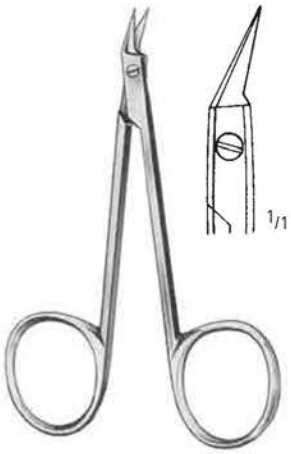


AC 423/10
AC 423/11

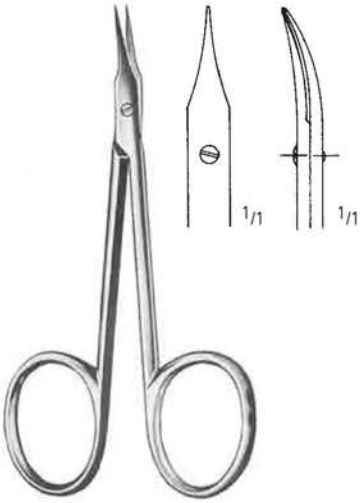


AC 424/11
11,5 cm/4½"

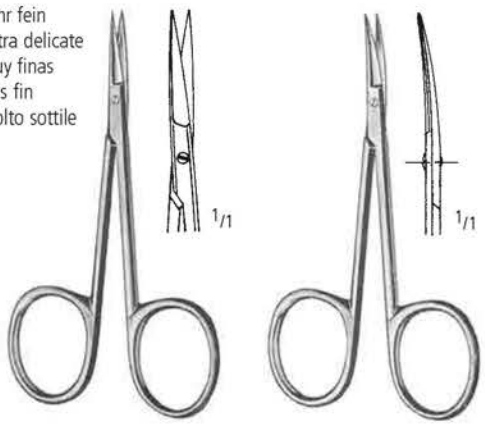
Feine Scheren
Fine Scissors
Tijeras finas
Ciseaux fins
Forbici fini



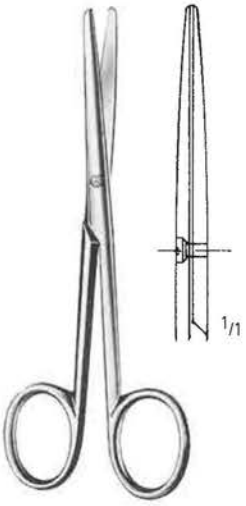

**O'BRIEN**
AC 427/09
9,0 cm/3½"



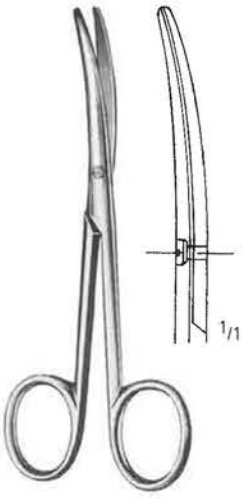

**WALTON**
AC 429/10
10,0 cm/4"



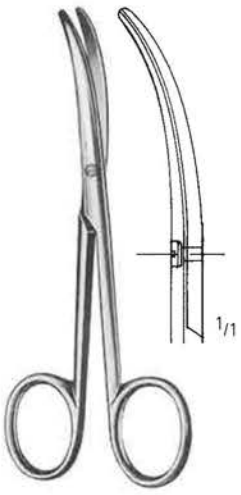

**MOD. BONN**
AC 430/08
8,0 cm/3"
AC 431/08
8,0 cm/3"



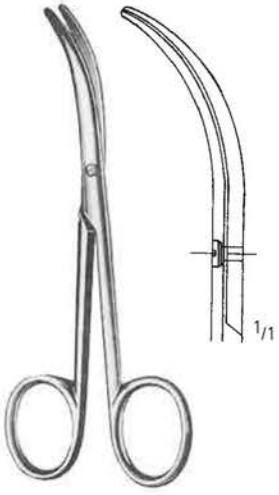

**LANDOLT**
AC 434/12
12,5 cm/5"




**LANDOLT**
AC 435/12
12,5 cm/5"




**LANDOLT**
AC 436/12
12,5 cm/5"



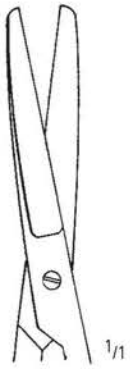

**LANDOLT**
AC 437/12
12,5 cm/5"

Feine Scheren
Fine Scissors
Tijeras finas
Ciseaux fins
Forbici fini



11,5 cm/4½"

Fig. 1

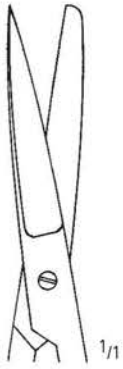


gerade
straight
rectas
droits
rette

1/1

AC 446/01

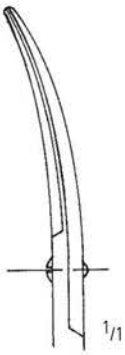
Fig. 2



1/1

AC 446/02

Fig. 1



gebogen
curved
curvas
courbes
curve

1/1

AC 447/01

Fig. 2



1/1

AC 447/02



AC 448/11
11,5 cm/4½"



AC 449/11
11,5 cm/4½"

Irisscheren
Iris Scissors
Tijeras para iridectomía
Ciseaux à iridectomie
Forbici per iridectomia



1/1

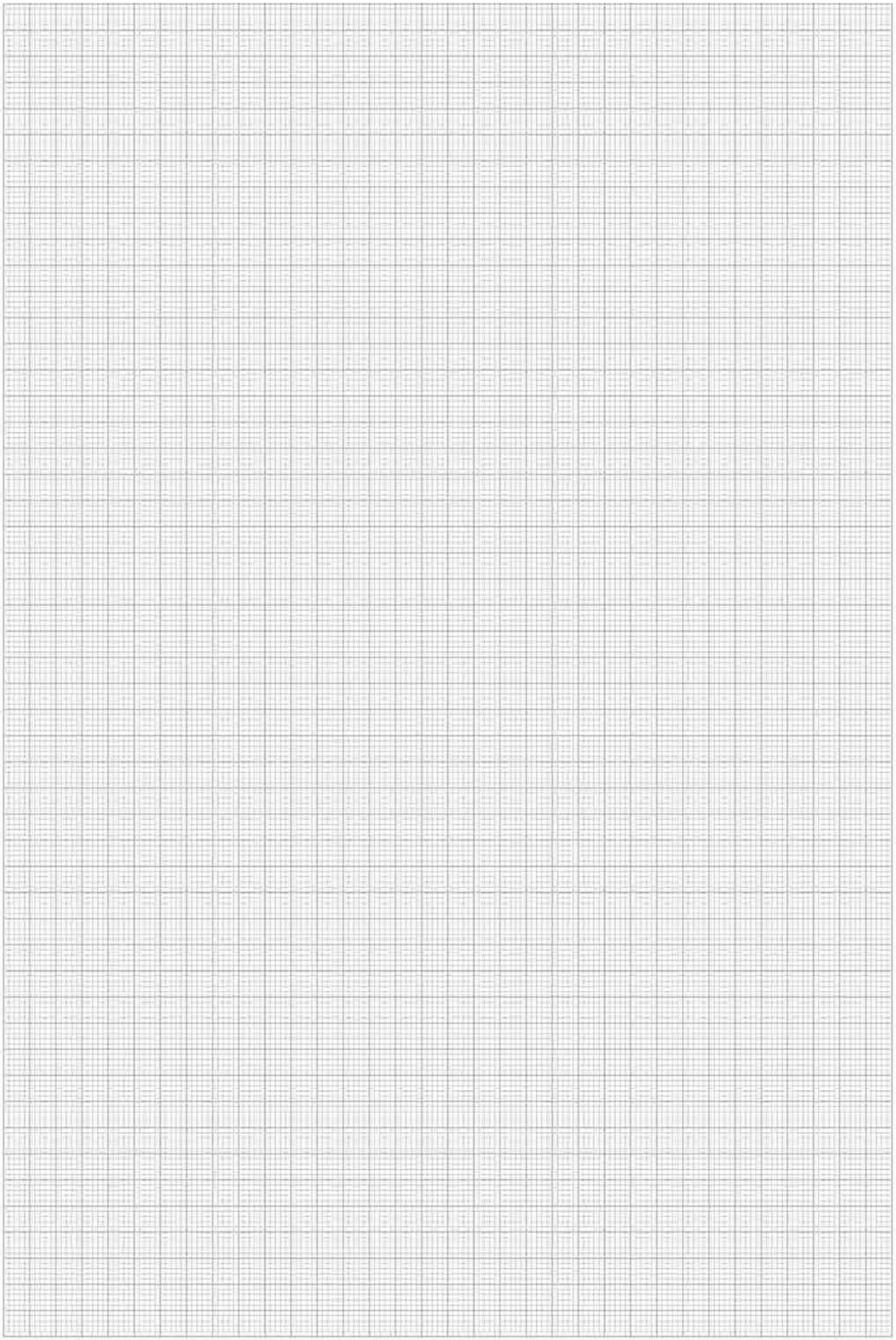
Original 10,5 cm



1/1

Original 10,5 cm

| | | |
|---|---|---|
| 9,0 cm/3½" | AC 450/09 | AC 451/09 |
| 10,5 cm/4¼" | AC 450/10 | AC 451/10 |
| 11,5 cm/4½" | AC 450/11* | AC 451/11* |



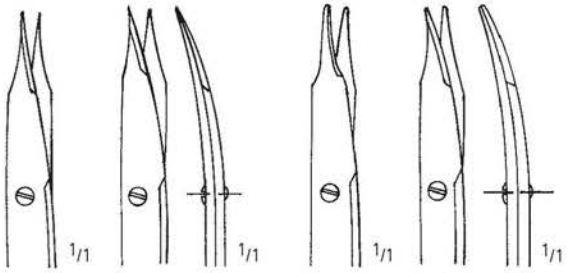
Feine Scheren
Fine Scissors
Tijeras finas
Ciseaux fins
Forbici fini



Sehnenscheren
Tenotomy Scissors
Tijeras para tenotomía
Ciseaux à ténotomie
Forbici per tenotomia

Original 11,5 cm



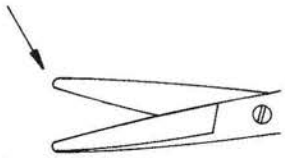



| | spitz<br>pointed<br>agudas<br>pointues<br>acuta | | stumpf<br>blunt<br>romas<br>mousses<br>smussa | |
|---|---|---|---|---|
| | gerade<br>straight<br>rectas<br>droits<br>rette | gebogen<br>curved<br>curvas<br>courbes<br>curve | gerade<br>straight<br>rectas<br>droits<br>rette | gebogen<br>curved<br>curvas<br>courbes<br>curve |
| **STEVENS** | | | | |
| 10,5 cm/4 1/4" | AC 474/10 | AC 475/10 | AC 476/10 | AC 477/10 |
| 11,5 cm/4 1/2" | AC 474/11 | AC 475/11 | AC 476/11* | AC 477/11* |

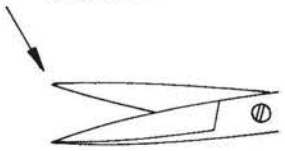
# Mikroscheren
# Micro Scissors
# Micro Tijeras
# Micro Ciseaux
# Micro Forbici

>> Alle unsere Mikroscheren werden von Fachkräften mit jahrelanger Erfahrung hergestellt. Die Endkontrolle findet unter dem Mikroskop statt. Um Ihnen ein ermüdungsfreies Arbeiten zu ermöglichen, wird dem Federdruck größte Aufmerksamkeit gewidmet.

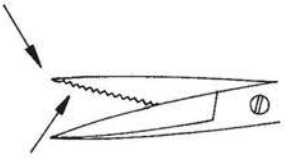
>> Bitte wählen Sie unter Rund- oder Flachgriffscheren.



**Dissection:** **Gebogene Blätter, abgerundete Spitzen** ermöglichen eine gute und sichere Dissektion, ohne Nerven und Blutgefäße zu beschädigen.



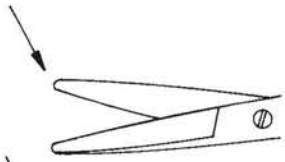
**Adventitia:** **Gerade Blätter, sehr scharfe Spitzen** gewährleisten präzises Anfrischen von Gefäßenden.



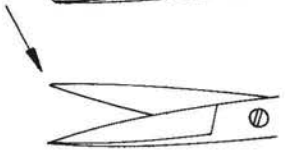
**Nerve:** Ein Blatt ist **fein gezahnt,** um ein Herausgleiten des Nervs zu vermeiden.

>> All our Micro Scissors are manufactured by skilled craftsmen with many years of experience. Final inspection is carried out under a microscope. Careful attention is paid to the closing pressure of the spring handle, to ensure precise work during surgeries, without fatigue.

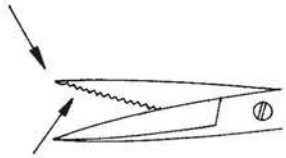
>> Round or flat handle scissors according to your preference.



**Dissection:** **Curved blades, slightly rounded tips** ensure safe dissection without damage to nerves and vessels.



**Adventitia:** **Straight blades, very sharp tips** for finest trimming of vessel ends.



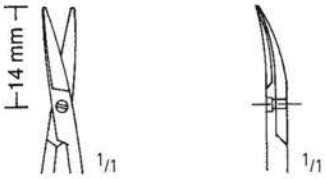
**Nerve:** One blade is **fine-toothed** to avoid slipping of the nerve.

Mikroscheren
Micro Scissors
Micro Tijeras
Micro Ciseaux
Micro Forbici

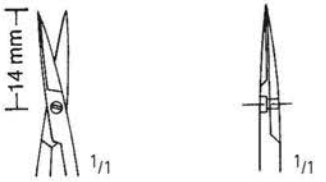




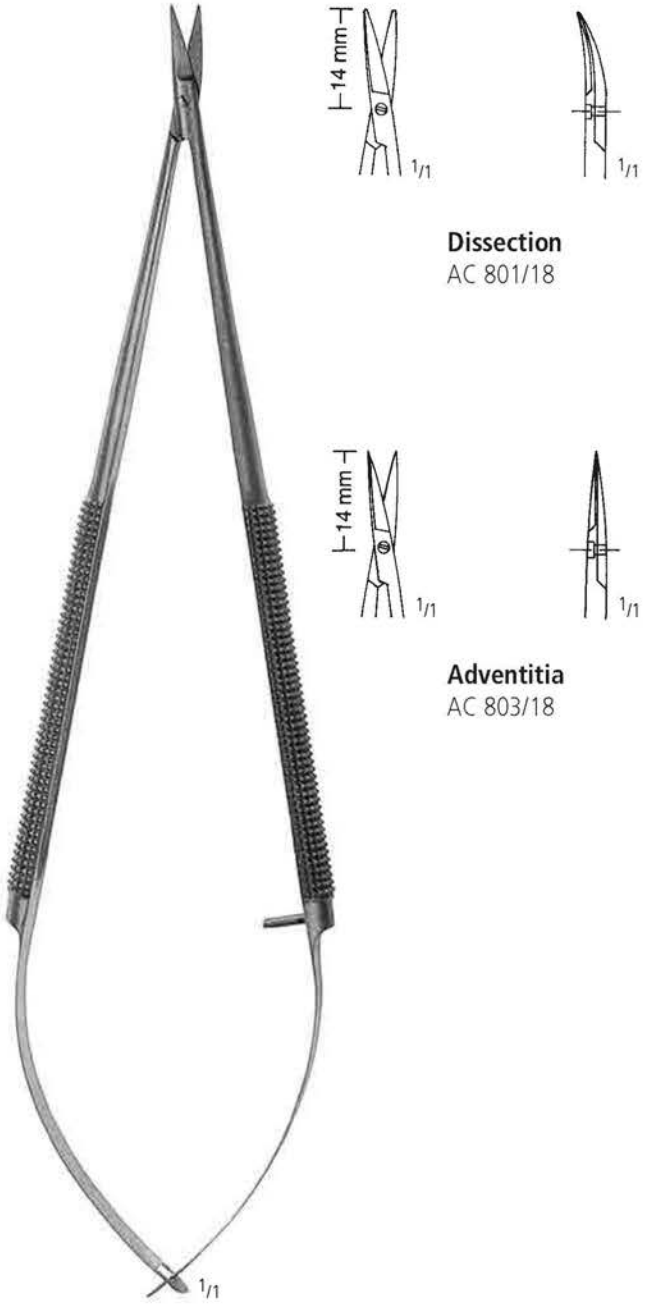

14,5 cm/5¾"




**Dissection**
AC 801/15




**Adventitia**
AC 803/15




18,0 cm/7"




**Dissection**
AC 801/18




**Adventitia**
AC 803/18

Mikroscheren
Micro Scissors
Micro Tijeras
Micro Ciseaux
Micro Forbici




AC 807/14
14,5 cm/5¾"




AC 812/18
18,0 cm/7"



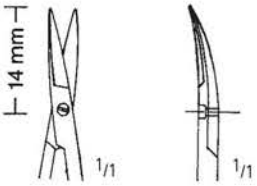

AC 817/18
18,0 cm/7"

Mikroscheren
Micro Scissors
Micro Tijeras
Micro Ciseaux
Micro Forbici

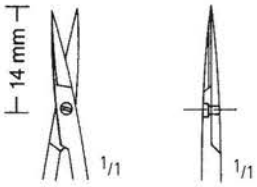




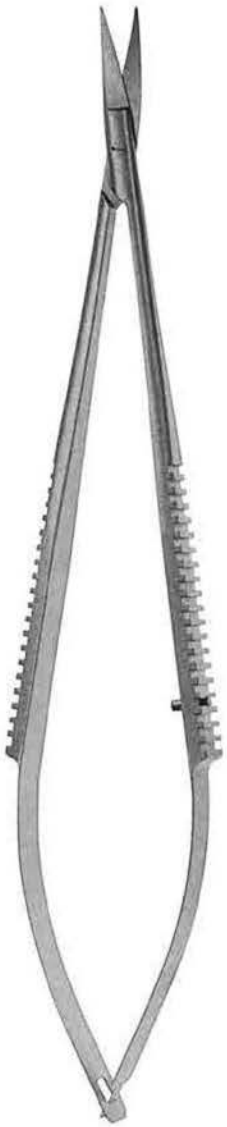
11,0 cm/4 1/3"



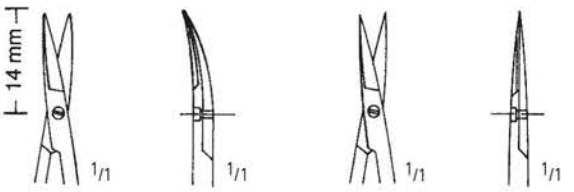

**Dissection**
AC 821/11




**Adventitia**
AC 830/11

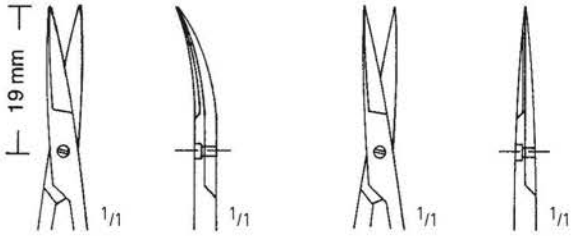


15,0 cm/6"



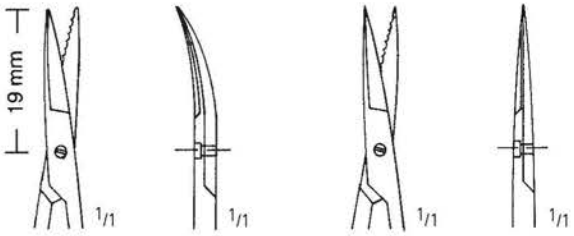

**Dissection**
AC 823/15

**Adventitia**
AC 832/15




**Dissection**
AC 825/15

**Adventitia**
AC 834/15




**Dissection** >> Nerve >> **Adventitia**
AC 827/15 AC 836/15

Mikroscheren
Micro Scissors
Micro Tijeras
Micro Ciseaux
Micro Forbici



18,5 cm/7 1/3"




AC 850/19



AC 851/19



16,0 cm/6 1/4"
20,0 cm/8"
22,5 cm/9"



AC 860/16
AC 860/20
AC 860/22



AC 861/16
AC 861/20
AC 861/22



AC 862/16
AC 862/20
AC 862/22



AC 863/16
AC 863/20
AC 863/22



AC 864/16
AC 864/20
AC 864/22



AC 865/16
AC 865/20
AC 865/22

Mikroscheren
Micro Scissors
Micro Tijeras
Micro Ciseaux
Micro Forbici




18,0 cm/7"



AC 870/01
25°



AC 870/02
45°



AC 870/03
60°



AC 870/04
90°



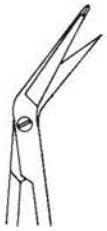

AC 870/05
125°




18,0 cm/7"



AC 871/01
25°



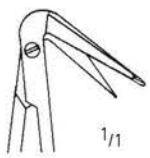
AC 871/02
45°



AC 871/03
60°



AC 871/04
90°




AC 871/05
125°

Mikroscheren
Micro Scissors
Micro Tijeras
Micro Ciseaux
Micro Forbici




18,0 cm/7"



AC 870/11 T
25°



AC 870/12 T
45°



AC 870/13 T
60°



AC 870/14 T
90°




AC 870/15 T
125°

## TITANIUM




18,0 cm/7"



AC 871/11 T
25°



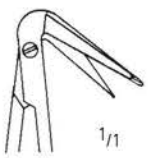
AC 871/12 T
45°



AC 871/13 T
60°



AC 871/14 T
90°




AC 871/15 T
125°

# nopa® TUC®
# SC Super Cut

SUPER CUT TUC




## Besonderheit:

Nutzen Sie die Vorteile von Hartmetalleinsätzen.
**nopa TUC Super Cut** Scheren haben eine rasierklingenscharfe Schneide, kombiniert mit einer mikrogezahnten Schneide.
>> Diese Scheren sind durch schwarz/goldene Ringe gekennzeichnet.

## Features:

Use the advantages of Tungsten Carbide.
**nopa TUC Super Cut** scissors have a razor-like edge combined with one micro serrated blade.
>> Black/golden rings for easy identification.

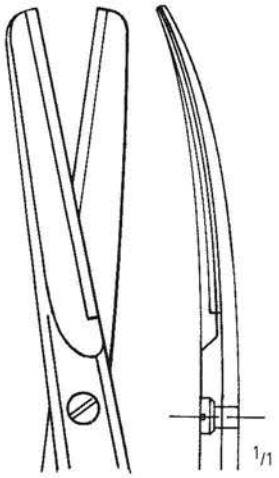
## Verfügbare Modelle / Available Patterns

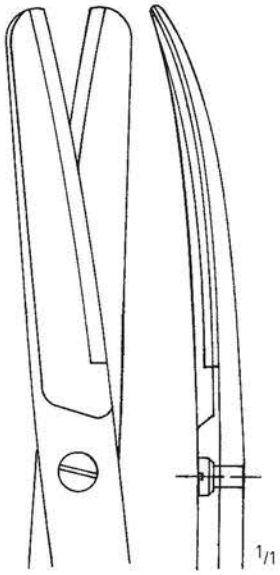
Im Katalog durch * markiert. / Marked in catalog with *.

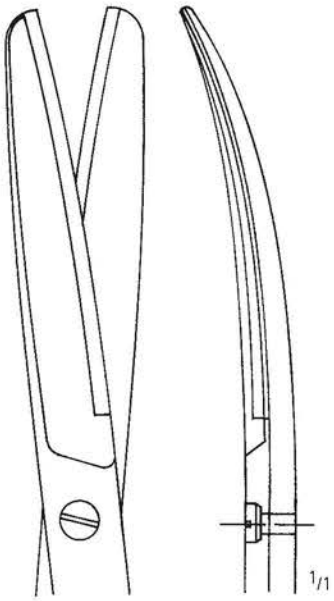
AC 902/14 SC STANDARD SCS. TUC STR. SH/BL 14.5 CM SC
AC 903/14 SC STANDARD SCS. TUC CVD. SH/BL 14.5 CM SC
AC 910/14 SC MAYO DISS.SCS. TUC STR. BL/BL 14.5 CM SC
AC 910/17 SC MAYO DISS.SCS. TUC STR. BL/BL 17.0 CM SC
AC 911/14 SC MAYO DISS. SCS. TUC CVD. BL/BL 14.5 CM SC
AC 911/17 SC MAYO DISS. SCS. TUC CVD. BL/BL 17.0 CM SC
AC 930/14 SC METZENBAUM SCS. TUC STR. BL/BL 14.5 CM SC
AC 931/14 SC METZENBAUM SCS. TUC CVD. BL/BL 14.5 CM SC
AC 940/18 SC METZENBAUM SCS. TUC STR. BL/BL 18.0 CM SC
AC 940/20 SC METZENBAUM SCS. TUC STR. BL/BL 20.0 CM SC
AC 941/18 SC METZENBAUM SCS. TUC CVD. BL/BL 18.0 CM SC
AC 941/20 SC METZENBAUM SCS. TUC CVD. BL/BL 20.0 CM SC
AC 941/23 SC METZENBAUM SCS. TUC CVD. BL/BL 23.0 CM SC
AC 941/25 SC METZENBAUM SCS. TUC CVD. BL/BL 25.0 CM SC
AC 941/28 SC METZENBAUM SCS. TUC CVD. BL/BL 28.0 CM SC
AC 960/14 SC METZENBAUM-DEL.SCS. TUC STR. BL/BL 14.5 CM SC
AC 961/14 SC METZENBAUM-DEL.SCS. TUC CVD. BL/BL 14.5 CM SC
AC 970/18 SC METZENBAUM-DEL.SCS. TUC STR. BL/BL 18.0 CM SC
AC 970/20 SC METZENBAUM-DEL.SCS. TUC STR. BL/BL 20.0 CM SC
AC 971/18 SC METZENBAUM-DEL.SCS. TUC CVD. BL/BL 18.0 CM SC
AC 971/20 SC METZENBAUM-DEL.SCS. TUC CVD. BL/BL 20.0 CM SC
AC 974/11 SC STEVENS TENOTOMY SCS. STR. POINTED 11.5 CM SC
AC 975/11 SC STEVENS TENOTOMY SCS. CVD. POINTED 11.5 CM SC
AC 984/11 SC IRIS SCS. TUC STR. SH/SH 11.5 CM SC
AC 985/11 SC IRIS SCS. TUC CVD. SH/SH 11.5 CM SC

Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno





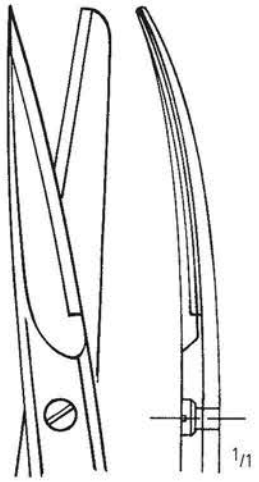



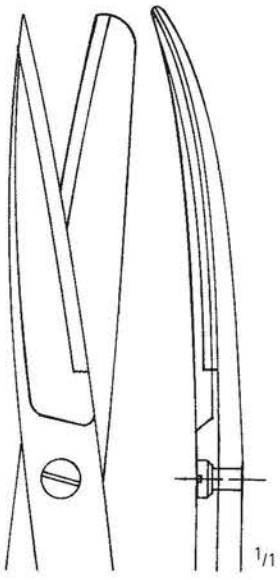

**STANDARD**
Fig. 1

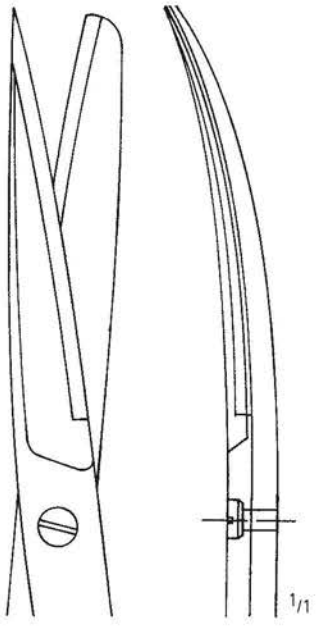
| | 14,5 cm/5 3/4" | 16,5 cm/6 1/2" | 18,5 cm/7 1/3" |
|---|---|---|---|
| straight: | AC 900/14 | AC 900/16 | AC 900/18 |
| curved: | AC 901/14 | AC 901/16 | AC 901/18 |

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**STANDARD**
Fig. 2

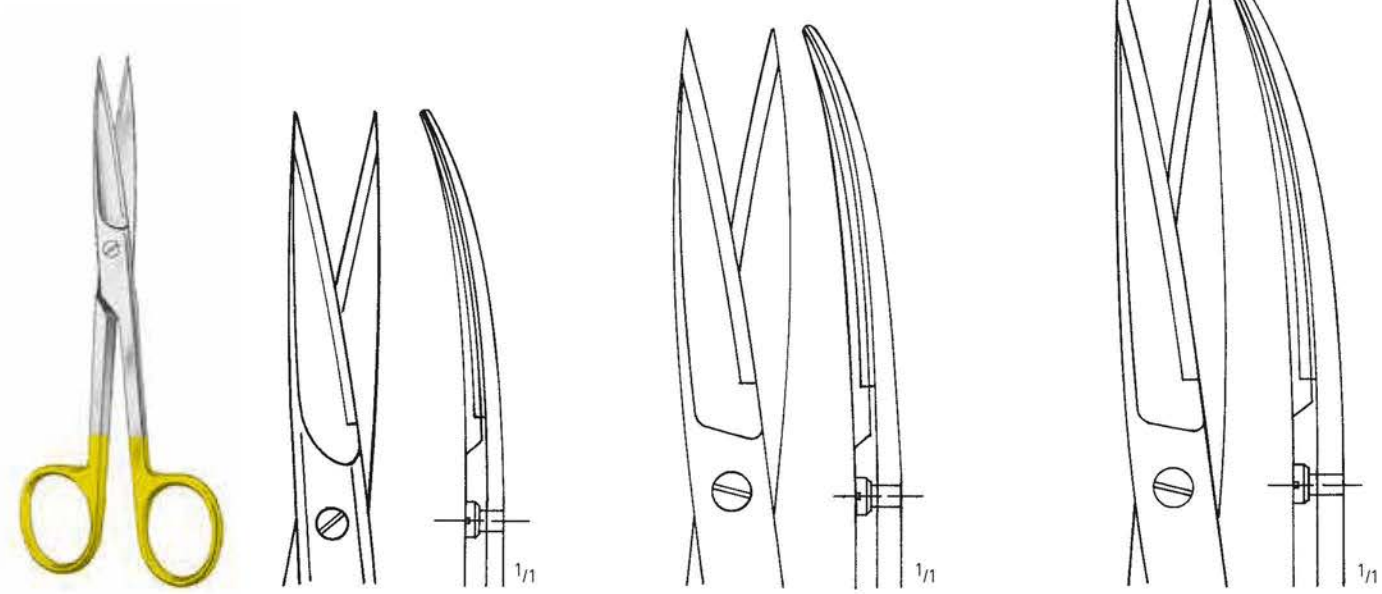
| | 14,5 cm/5 3/4" | 16,5 cm/6 1/2" | 18,5 cm/7 1/3" |
|---|---|---|---|
| straight: | AC 902/14* | AC 902/16 | AC 902/18 |
| curved: | AC 903/14* | AC 903/16 | AC 903/18 |



* Auch erhältlich als SC * Also available as SC

Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno

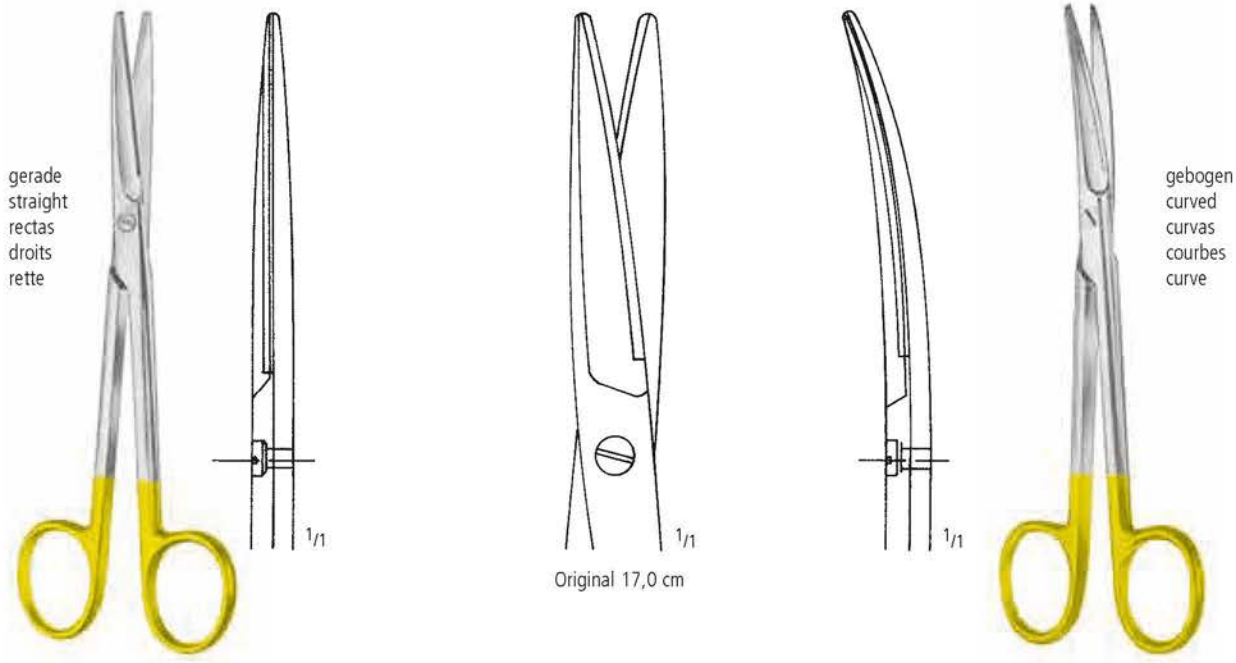





**STANDARD**
Fig. 3

| | 14,5 cm/5¾" | 16,5 cm/6½" | 18,5 cm/7⅓" |
|---|---|---|---|
| straight: | AC 904/14 | AC 904/16 | AC 904/18 |
| curved: | AC 905/14 | AC 905/16 | AC 905/18 |

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| **MAYO** | | **MAYO** |
|---|---|---|
| AC 910/14* | 14,5 cm/5½" | AC 911/14* |
| AC 910/17* | 17,0 cm/6¾" | AC 911/17* |
| AC 910/23 | 23,0 cm/9" | AC 911/23 |

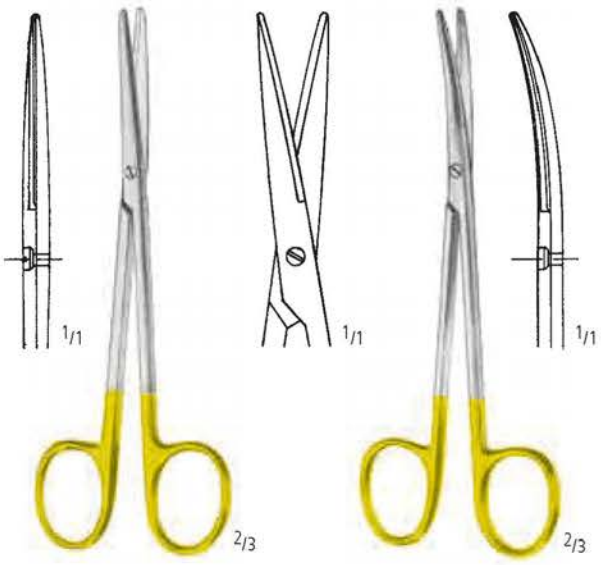

mm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25


inch 1 2 3 4 5 6 7 8 9 10

Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno



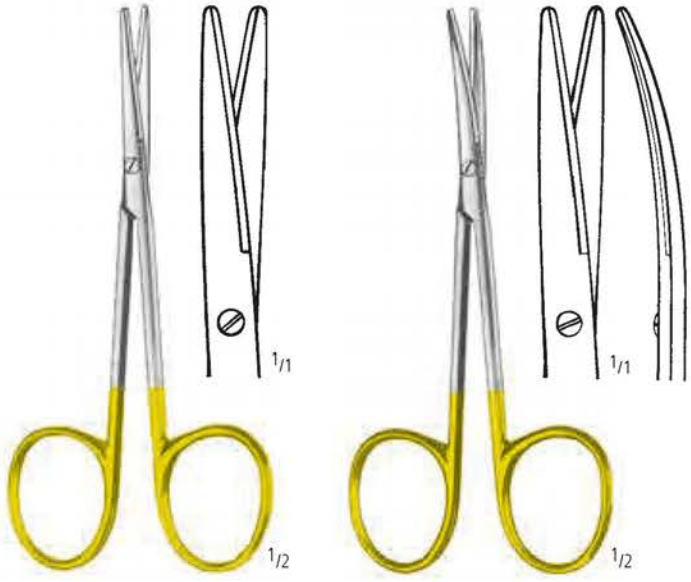
nopa® TUC




**METZENBAUM**

AC 922/11
11,5 cm/4½"

AC 923/11
11,5 cm/4½"




**METZENBAUM**

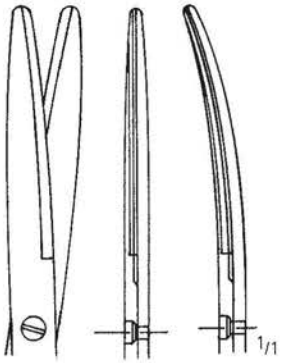
AC 930/14*
14,5 cm/5¾"

AC 931/14*
14,5 cm/5¾"

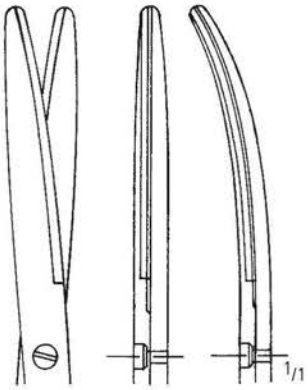
* Auch erhältlich als SC  * Also available as SC

## AC SCHEREN SCISSORS TIJERAS CISEAUX FORBICI

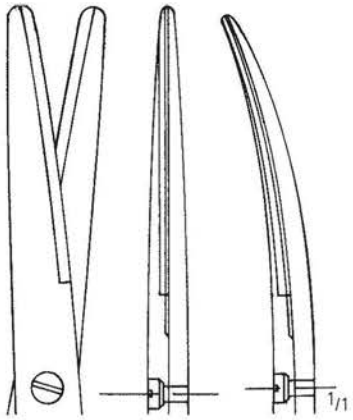
Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno




Original 18,0 cm




Original 20,0 cm



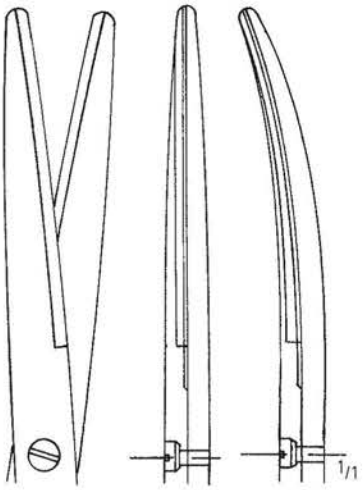

Original 23,0 cm



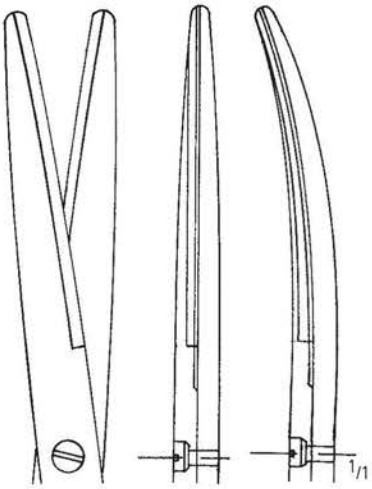
**METZENBAUM**

nopa® TUC

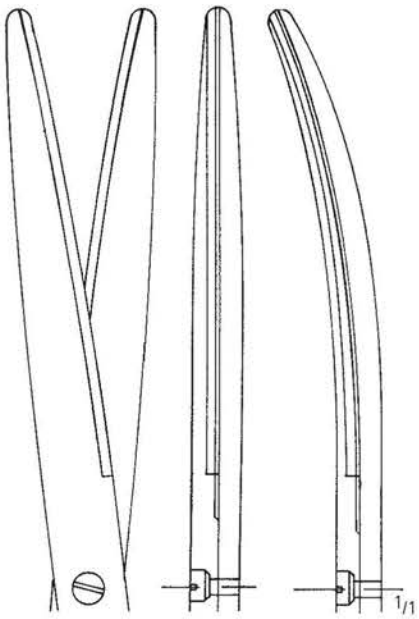
| gerade<br>straight<br>rectas<br>droits<br>rette | | gebogen<br>curved<br>curvas<br>courbes<br>curve |
|---|---|---|
| AC 940/18* | 18,0 cm/7" | AC 941/18* |
| AC 940/20* | 20,0 cm/8" | AC 941/20* |
| AC 940/23 | 23,0 cm/9" | AC 941/23* |
| AC 940/25 | 25,0 cm/10" | AC 941/25* |
| AC 940/28 | 28,0 cm/11" | AC 941/28* |
| AC 940/30 | 30,0 cm/12" | AC 941/30 |




Original 25,0 cm




Original 28,0 cm

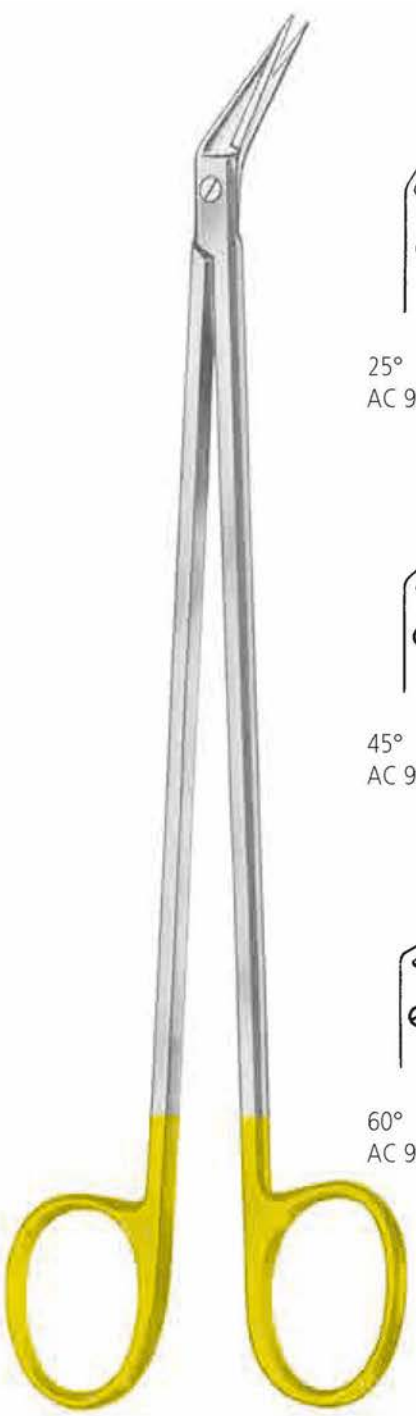



Original 30,0 cm

Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno

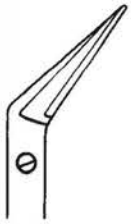


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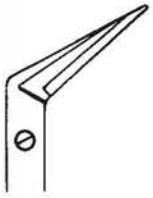




25°
AC 948/25

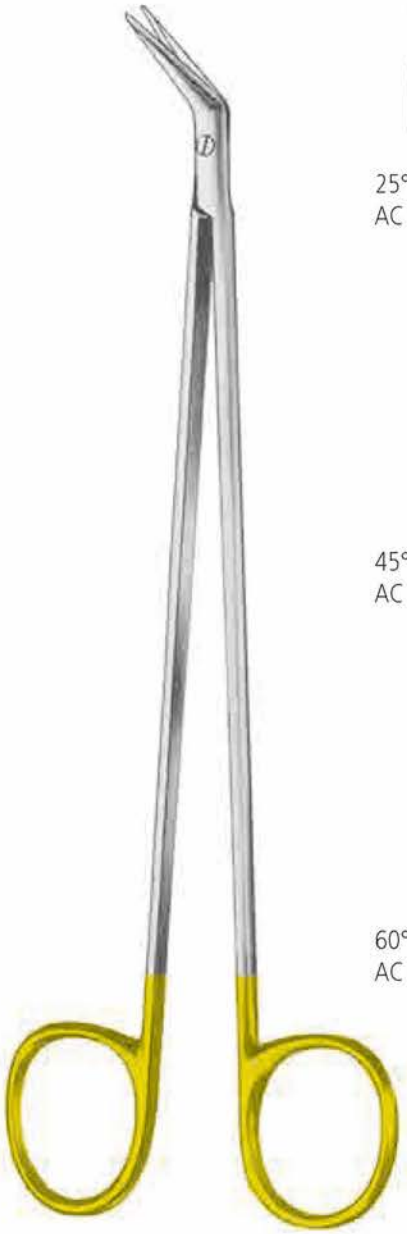


45°
AC 948/45



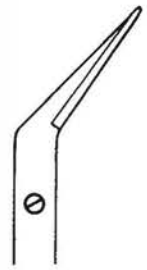
60°
AC 948/60

**POTT-SMITH**
19,0 cm/7½"

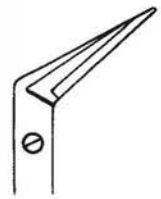




25°
AC 949/25



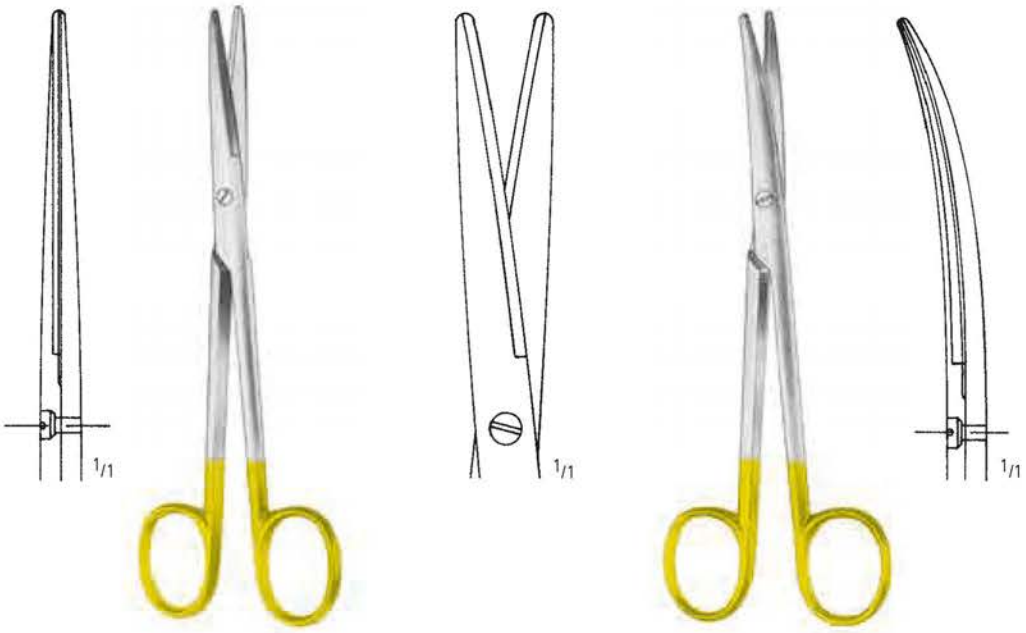
45°
AC 949/45



60°
AC 949/60

**DE BAKEY**
18,0 cm/7"

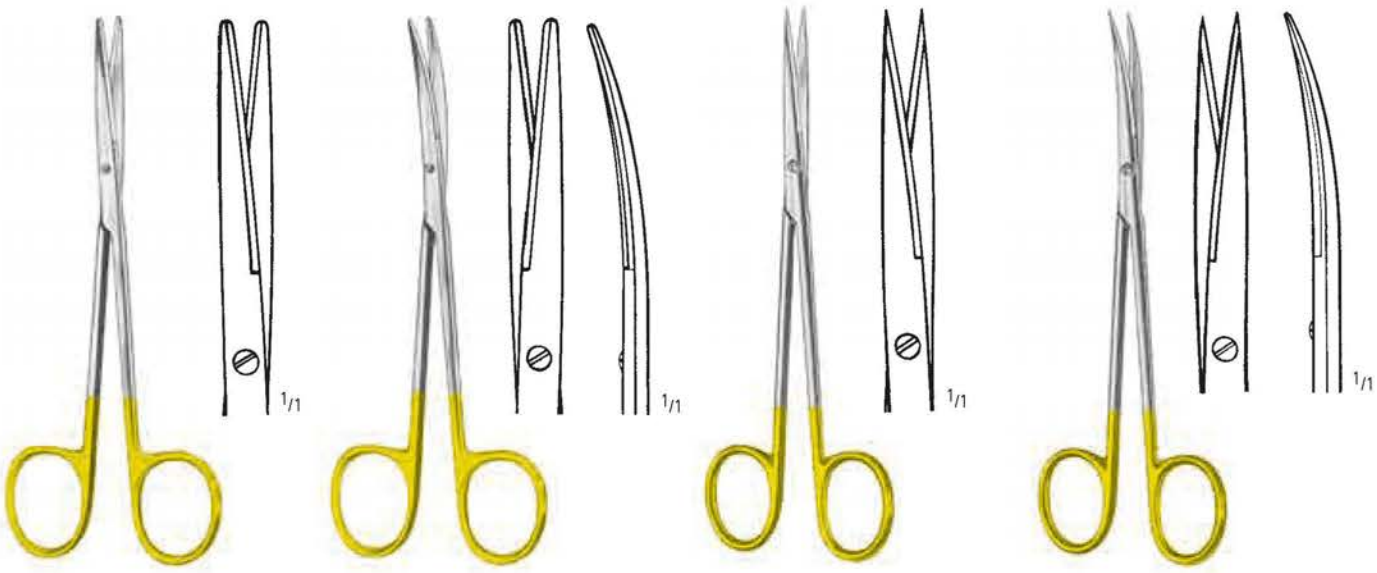
Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno




**LEXER**
AC 952/16
16,0 cm/6¼"

**LEXER**
AC 953/16
16,0 cm/6¼"

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**METZENBAUM**-DELICATE

AC 960/14*
14,5 cm/5¾"

AC 961/14*
14,5 cm/5¾"

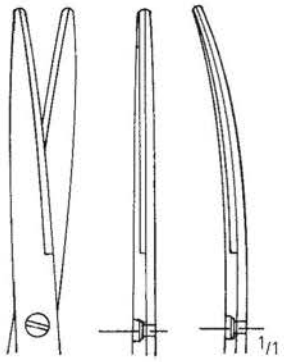
AC 962/14
14,5 cm/5¾"

AC 963/14
14,5 cm /5¾"

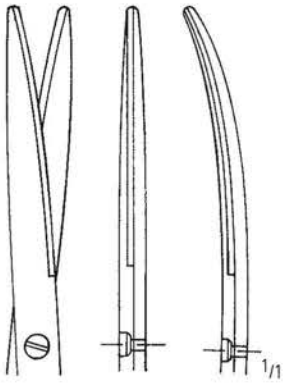


* Auch erhältlich als SC * Also available as SC

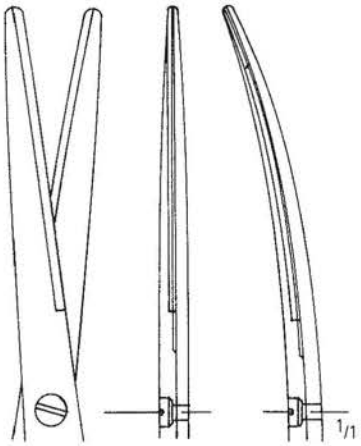
Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno




Original 18,0 cm




Original 20,0 cm



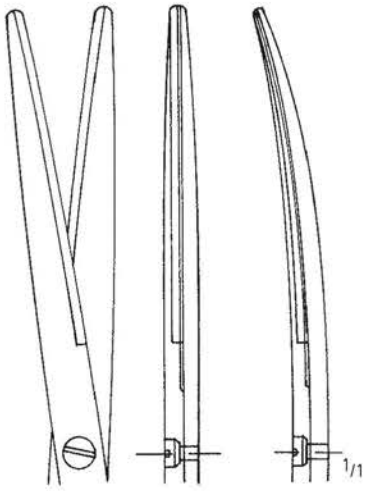

Original 23,0 cm



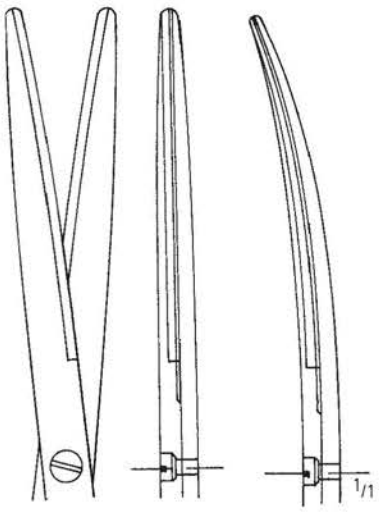
**METZENBAUM-**DELICATE

nopa® TUC

| gerade<br>straight<br>rectas<br>droits<br>rette | | gebogen<br>curved<br>curvas<br>courbes<br>curve |
|---|---|---|
| AC 970/18* | 18,0 cm/7" | AC 971/18* |
| AC 970/20* | 20,0 cm/8" | AC 971/20* |
| AC 970/23 | 23,0 cm/9" | AC 971/23 |
| AC 970/25 | 25,0 cm/10" | AC 971/25 |
| AC 970/28 | 28,0 cm/11" | AC 971/28 |

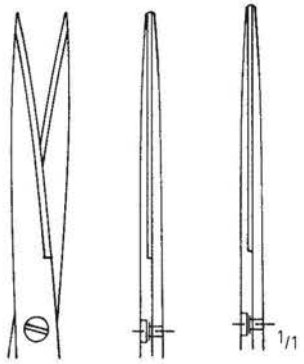



Original 25,0 cm

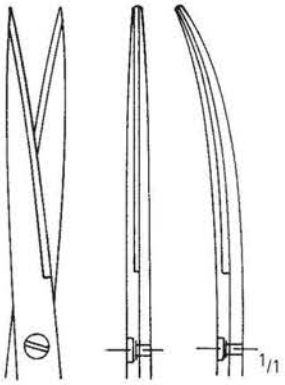



Original 28,0 cm

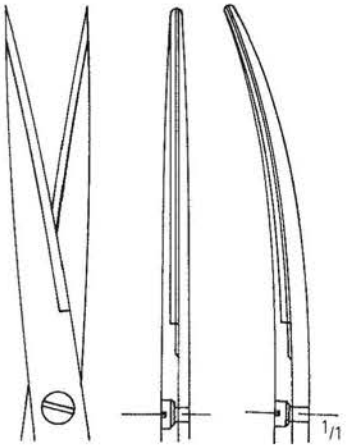
Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno




Original 18,0 cm




Original 20,0 cm



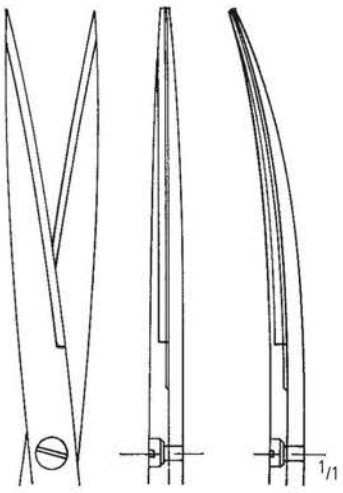

Original 23,0 cm



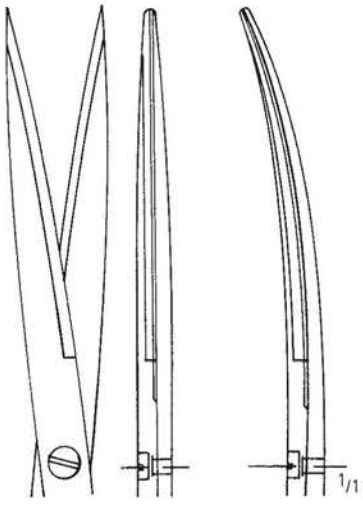
**METZENBAUM**-DELICATE

nopa® TUC

| gerade<br>straight<br>rectas<br>droits<br>rette | | gebogen<br>curved<br>curvas<br>courbes<br>curve |
|---|---|---|
| AC 972/18 | 18,0 cm/7" | AC 973/18 |
| AC 972/20 | 20,0 cm/8" | AC 973/20 |
| AC 972/23 | 23,0 cm/9" | AC 973/23 |
| AC 972/25 | 25,0 cm/10" | AC 973/25 |
| AC 972/28 | 28,0 cm/11" | AC 973/28 |




Original 25,0 cm




Original 28,0 cm

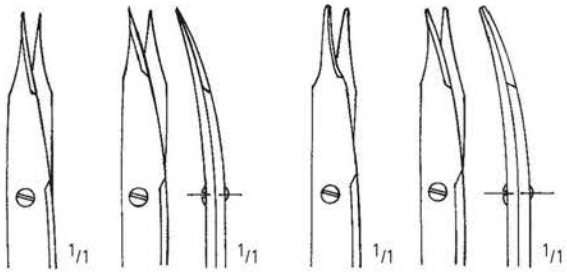
Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno

nopa® TUC

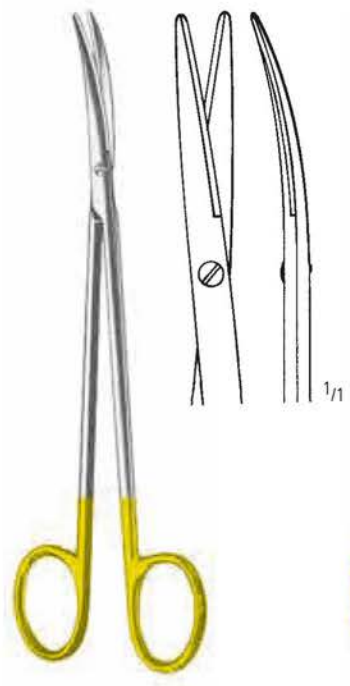


Original 11,5 cm

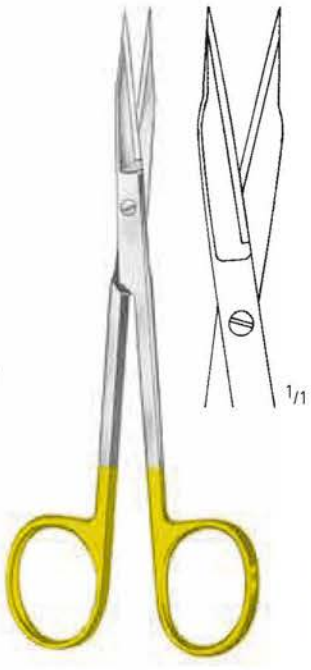




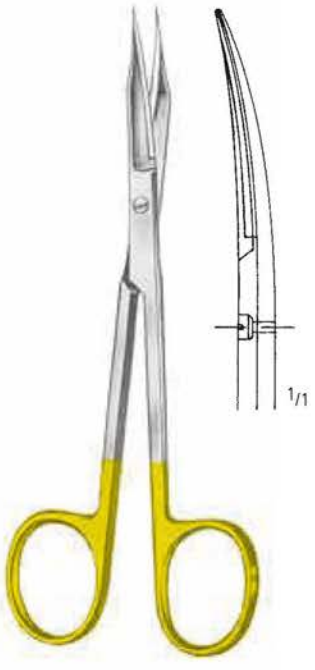

| | spitz<br>pointed<br>agudas<br>pointues<br>acuta | | stumpf<br>blunt<br>romas<br>mousses<br>smussa | |
|---|---|---|---|---|
| | gerade<br>straight<br>rectas<br>droits<br>rette | gebogen<br>curved<br>curvas<br>courbes<br>curve | gerade<br>straight<br>rectas<br>droits<br>rette | gebogen<br>curved<br>curvas<br>courbes<br>curve |
| **STEVENS** | | | | |
| 10,5 cm/4 1/4" | AC 974/10 | AC 975/10 | AC 976/10 | AC 977/10 |
| 11,5 cm/4 1/2" | AC 974/11* | AC 975/11* | AC 976/11 | AC 977/11 |



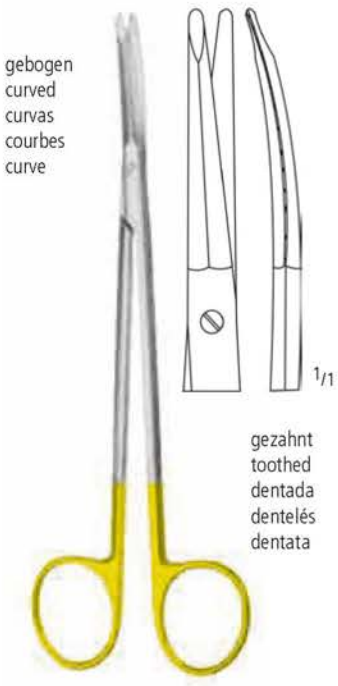

**TOENNIS-ADSON**-DELICATE
AC 977/17
17,5 cm/7"




**GOLDMAN-FOX**
AC 980/13
13,0 cm/5"



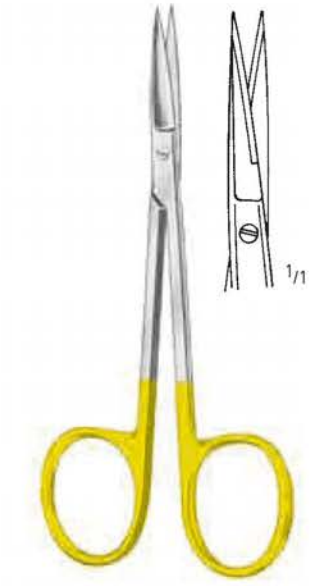

AC 981/13
13,0 cm/5"



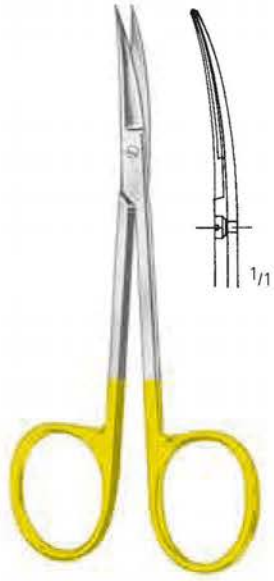

**KAYE**
AC 983/15
15,0 cm/6"

Scheren mit Hartmetalleinlagen
Scissors with Tungsten Carbide Inserts
Tijeras con filos de carburo de tungsteno
Ciseaux avec plaquettes en carbure de tungstène
Forbici con taglio al carburo di tungsteno

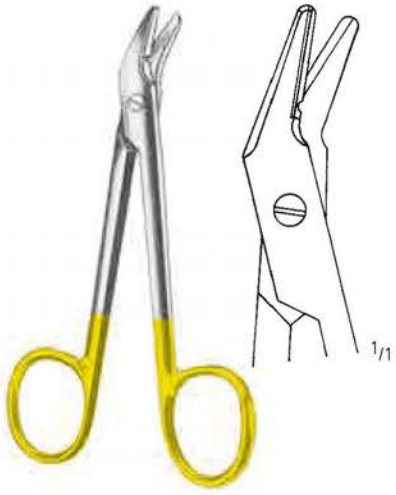
nopa® TUC




AC 984/11*
11,5 cm/4 1/2"




AC 985/11*
11,5 cm/4 1/2




**UNIVERSAL**
AC 987/12
12,0 cm/4 3/4"



**LISTER**
AC 999/18
18,0 cm/7"



* Auch erhältlich als SC * Also available as SC

# SKALPELLE
# SCALPELS
# BISTURIES
# BISTOURIS
# BISTURI

# AD

nopa® instruments

Weitere Skalpelle finden Sie in unserem Katalog „Allgemeine Chirurgie" in Gruppe AD.

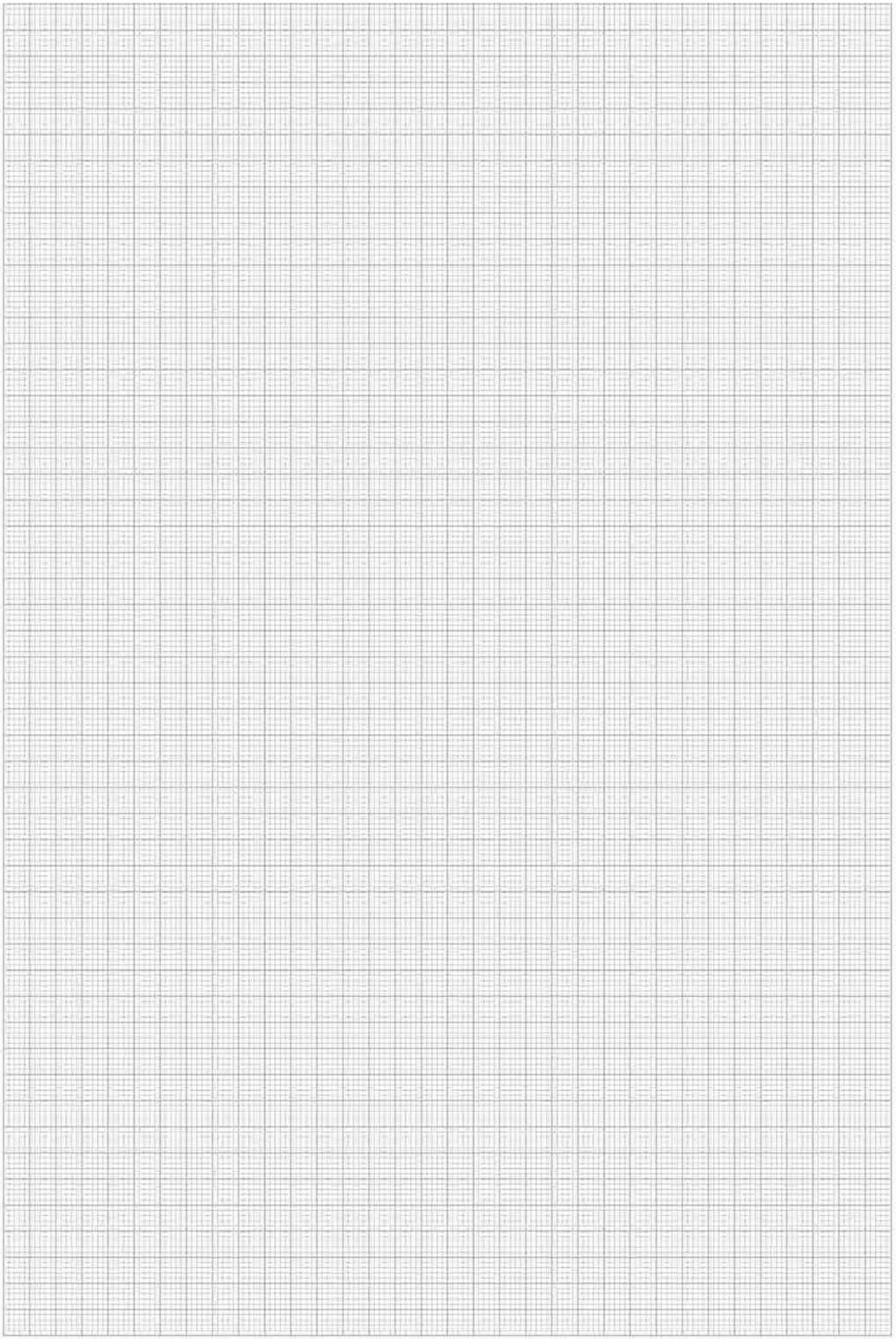
For further scalpels kindly refer to our catalogue „General Surgery", section AD.

Para bisturies adicionales, por favor consulte nuestro catálogo de „Cirugía general", grupo AD.

Pour des bistouris supplémentaires, consultez notre catalogue „Chirurgie Generale", section AD.

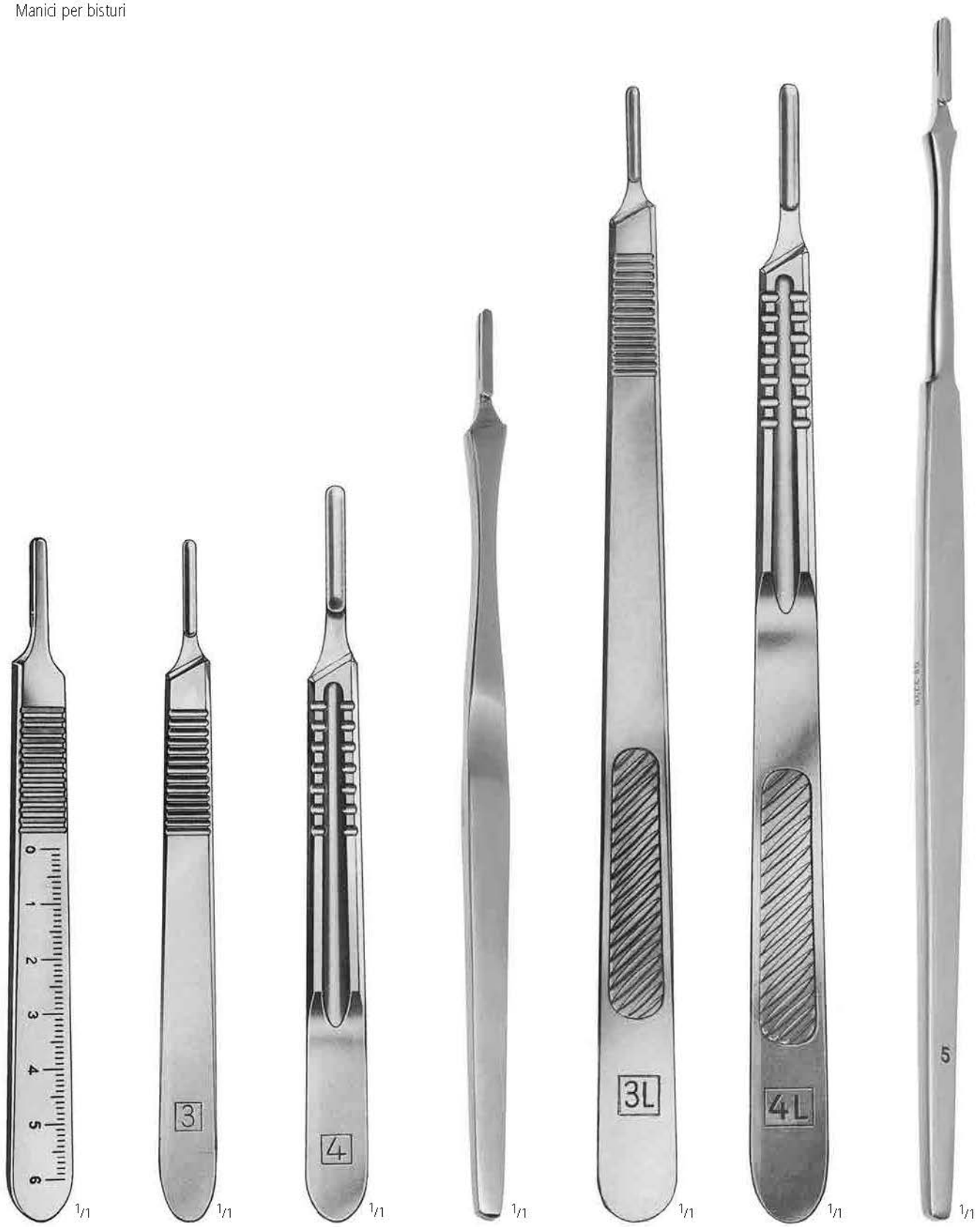
Per gli altri bisturi, consultare il nostro catalogo „Chirurgia Generale", gruppo AD.

>>



Skalpellgriffe
Scalpel Handles
Mangos de bisturíes
Manches pour bistouris
Manici per bisturi






AD 009/03
No. 3

AD 010/03
No. 3

AD 010/04
No. 4

AD 010/05
No. 5K

AD 020/13
No. 3L

AD 020/14
No. 4L

AD 020/15
No. 5L

Skalpellgriffe
Scalpel Handles
Mangos de bisturíes
Manches pour bistouris
Manici per bisturi




AD 025/07
No. 7




AD 027/07
No. 7K




AD 030/16




AD 031/21




**COLLIN**
AD 040/08
No. 8

hohl
hollow
hueco
creux
vuoto




**COLLIN**
AD 042/09
No. 9

Skalpellgriffe, Skalpellklingen
Scalpel Handles, Scalpel Blades
Mangos de bisturíes, Hojas de busturíes
Manches pour bistouris, Lames de bistouris
Manici per bisturi, Lame per bisturi



# MINI

Verpackungseinheit / packing unit = 10 St./pc.




Fig. 61
AD 065/61

Fig. 62
AD 065/62

Fig. 62S
AD 065/63

Fig. 64
AD 065/64

Fig. 65
AD 065/65

Fig. 67
AD 065/67

Fig. 69
AD 065/69




AD 065/10




AD 065/13




AD 065/15

Skalpellklingen
Scalpel Blades
Hojas de bisturíes
Lames pour bistouris
Lame per bisturi

passend für die Griffe
for handles
para los mangos
pour les manches
per i manici

AD 009/03
AD 010/03
AD 020/13
AD 025/07
AD 027/07
AD 030/16
AD 040/08




Fig.10
AD 075/10



Fig.11
AD 075/11




Fig.12d
AD 076/12




Fig.15
AD 075/15




Fig.15c
AD 076/15

steril
sterile
estériles
stériles
sterili




passend für die Griffe
for handles
para los mangos
pour les manches
per i manici

AD 010/04
AD 020/14
AD 042/09




Fig.20
AD 075/20




Fig.21
AD 075/21




Fig.22
AD 075/22




Fig.23
AD 075/23




Fig.24
AD 075/24

NAHT
SUTURE
SUTURA
SUTURE
SUTURA

# AE

nopa® instruments

Weitere Naht-Instrumente finden Sie in unserem Katalog „Allgemeine Chirurgie“ in Gruppe AE.

For further suture instruments kindly refer to our catalogue „General Surgery“, section AE.

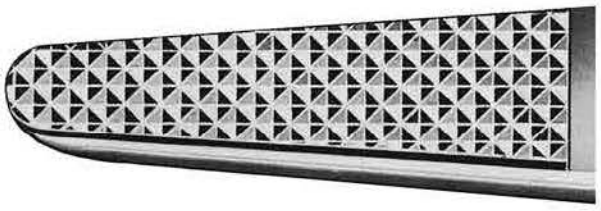
Para instrumentos de sutura adicionales, por favor consulte nuestro catálogo de „Cirugía general“, grupo AE.

Pour des instruments de suture supplémentaires, consultez notre catalogue „Chirurgie Generale“, section AE.

Per gli altri accessori di sutura, consultare il nostro catalogo „Chirurgia Generale“, gruppo AE.

>>

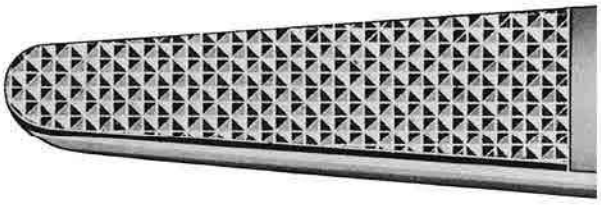
Hartmetalleinsatzplättchen mit Pyramidenprofil
Tungsten Carbide Tips with pyramidal profile
Bocas de carburo de tungsteno con perfil de estructura piramidal
Plaquettes en carbure de tungstène avec profil pyramidal
Placche di carburo di tungsteno con profilo in forma piramidale



| | | |
|---|---|---|
| Teilung: | 0,5 mm | Für Nahtmaterial 3/0 und größer |
| Serration: | 0,5 mm | For suture sizes 3/0 and larger |
| Graduación: | 0,5 mm | Para sutura 3/0 y más grande |
| Graduation: | 0,5 mm | Pour suture 3/0 et plus grand |
| Graduazione: | 0,5 mm | Per sutura 3/0 e più grande |

**"STANDARD"**

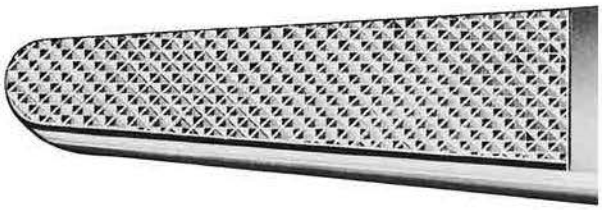
(Mayo-Hegar, Mathieu, Bozeman,
New Orleans, Stratte, etc.)



| | | |
|---|---|---|
| Teilung: | 0,4 mm | Für Nahtmaterial zwischen 3/0 und 6/0 |
| Serration: | 0,4 mm | For suture sizes between 3/0 and 6/0 |
| Graduación: | 0,4 mm | Para suturas entre 3/0 y 6/0 |
| Graduation: | 0,4 mm | Pour sutures entre 3/0 et 6/0 |
| Graduazione: | 0,4 mm | Per sutura tra 3/0 e 6/0 |

**"FINE"**

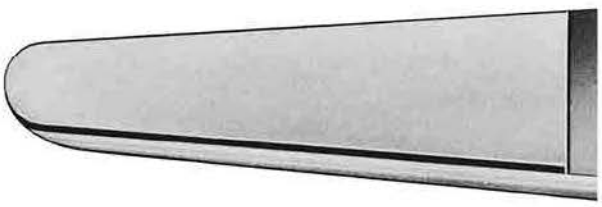
(Crile-Wood, Halsey, DeBakey, Ryder,
etc.)



| | | |
|---|---|---|
| Teilung: | 0,2 mm | Für Nahtmaterial zwischen 7/0 und 10/0 |
| Serration: | 0,2 mm | For suture sizes between 7/0 and 10/0 |
| Graduación: | 0,2 mm | Para suturas entre 7/0 y 10/0 |
| Graduation: | 0,2 mm | Pour sutures entre 7/0 et 10/0 |
| Graduazione: | 0,2 mm | Per sutura tra 7/0 e 10/0 |

**"MICRO"**

(Micro Ryder, Microvascular, Castroviejo,
etc.)



| | |
|---|---|
| glatt | Für extrem feines Nahtmaterial |
| smooth | For the smallest suture sizes available |
| lisa | Para suturas estremamente finas |
| lisses | Pour matériel de suture extrèmement fin |
| liscio | Per materiale di sutura finissima |

**"SMOOTH"**

(Eufrate Pasqué, Castroviejo, Jacobson, etc.)

nopa-Service, Ersatzteile und Aufarbeitung aller Fabrikate
nopa-Service, Spare Inserts and Refurbishing of all brands
Servicio-nopa, piezas de recambio y renovar de todas las marcas
Service-nopa, pièces de rechange et remise à neuf de toutes les marques
Servizio-nopa, pezzi di ricambio e riparazione di tutte le marche



**TUC-Einsätze**
**TUC-Inserts**
**TUC-Bocas**
**TUC-Plaquettes**
**TUC-Placche**

| | |
|---|---|
| AE 380/15 | Smooth, 15 mm |
| AE 380/17 | Smooth, 17 mm |
| AE 380/19 | Smooth, 19 mm |
| AE 382/15 | Micro, 0.2, 15 mm |
| AE 382/17 | Micro, 0.2, 17 mm |
| AE 382/19 | Micro, 0.2, 19 mm |
| AE 384/15 | Fine, 0.4, 15 mm |
| AE 384/17 | Fine, 0.4, 17 mm |
| AE 384/19 | Fine, 0.4, 19 mm |
| AE 385/15 | Standard, 0.5, 15 mm |
| AE 385/17 | Standard, 0.5, 17 mm |
| AE 385/19 | Standard, 0.5, 19 mm |



# titan instruments

# nopa® instruments

**Besonderheit:**

**nopa** Titan Instrumente bieten insbesondere in der Herz-Thorax-Chirurgie Vorteile gegenüber herkömmlichen Instrumenten. Titan ist ca. 45% leichter als rostfreier Edelstahl, weshalb Titan Instrumente weniger traumatisierend sind. Titan ist außerdem ein vollkommen korrosionsbeständiges und antimagnetisches Material. **nopa** Titan Instrumente bedeuten größtmöglichen Komfort für den Chirurgen.

**Features:**

**nopa** Titan Instruments provide especially in Cardiovascular surgery a significant advantage compared to other Instruments. Titan is approximately 45% lighter than stainless steel. For that reason, Titan Instruments are less traumatic. Besides that, Titan is a completely stainless and anti-magnetic material.
**nopa** Titan Instruments are the most comfortable choice for the Cardiovascular surgeon.

| | |
|---|---|
| **AE 400/16 T** | MAYO-HEGAR NH TUC 16.0 CM |
| **AE 400/18 T** | MAYO-HEGAR NH TUC 18.0 CM |
| **AE 400/20 T** | MAYO-HEGAR NH TUC 20.0 CM |
| **AE 420/18 T** | DE BAKEY NH TUC 18.0 CM |
| **AE 420/20 T** | DE BAKEY NH TUC 20.0 CM |
| **AE 420/23 T** | DE BAKEY NH TUC 23.0 CM |
| **AE 420/26 T** | DE BAKEY NH TUC 26.0 CM |
| **AE 430/15 T** | RYDER/FRENCH-EYE NH TUC 15.0 CM |
| **AE 430/18 T** | RYDER/FRENCH-EYE NH TUC 18.0 CM |
| **AE 430/20 T** | RYDER/FRENCH-EYE NH TUC 20.0 CM |
| **AE 438/18 T** | MICROVASCULAR NH TUC 18.0 CM |
| **AE 438/20 T** | MICROVASCULAR NH TUC 20.0 CM |
| **AE 438/23 T** | MICROVASCULAR NH TUC 23.0 CM |
| **AE 466/13 T** | HALSEY NH TUC 13.0 CM |
| **AE 572/14 T** | CASTROVIEJO NH TUC STR. RA SER. 14.0 CM |
| **AE 580/02 T** | JACOBSON MICRO-NH TUC RA SER. 21.0 CM |
| **AE 632/18 T** | MICRO-NH STR. 18.0 CM |
| **AE 633/18 T** | MICRO-NH CVD. 18.0 CM |

## AE NAHT SUTURE SUTURA SUTURE SUTURA

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno




**MAYO-HEGAR**



AE 400/14
14,0 cm/5½"



AE 400/16
16,0 cm/6¼"



AE 400/18
18,0 cm/7"



AE 400/20
20,0 cm/8"




AE 400/24
24,0 cm/9½"



AE 400/26
26,0 cm/10½"




AE 400/30
30,0 cm/12"

nopa TUC




**DE-BAKEY**
**(MAYO-HEGAR**-DELICATE**)**



AE 420/18
18,0 cm/7"



AE 420/20
20,0 cm/8"



AE 420/23
23,0 cm/9"



AE 420/26
26,0 cm/10½"



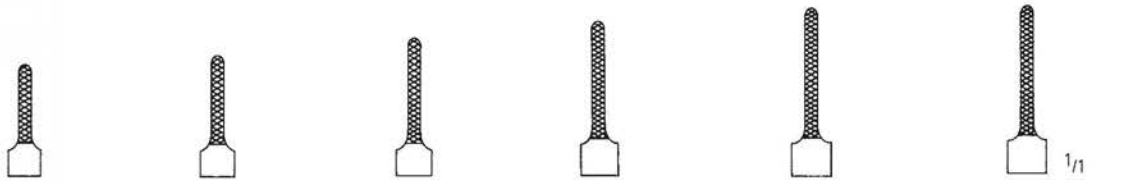

AE 420/31
31,0 cm/12¼"

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno



## RYDER/FRENCH-EYE


1/2


1/1

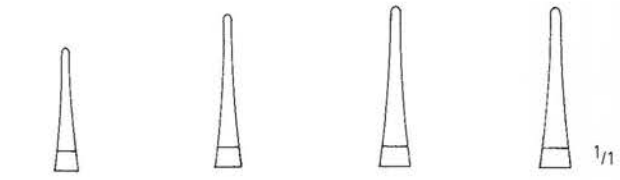
AE 430/13 13,0 cm/5"
AE 430/15 15,0 cm/6"
AE 430/18 18,0 cm/7"
AE 430/20 20,0 cm/8"
AE 430/23 23,0 cm/9"
AE 430/26 26,0 cm/10 1/2"

## MICRO RYDER

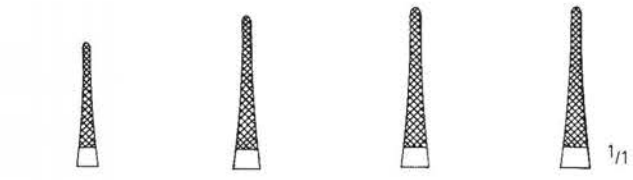

1/1

AE 434/13 13,0 cm/5"
AE 434/15 15,0 cm/6"
AE 434/18 18,0 cm/7"
AE 434/20 20,0 cm/8"
AE 434/23 23,0 cm/9"
AE 434/26 26,0 cm/10 1/2"

nopa® TUC


1/1

AE 436/14 14,0 cm/5 1/2"
AE 436/18 18,0 cm/7"
AE 436/20 20,0 cm/8"
AE 436/23 23,0 cm/9"


1/1

AE 438/14 14,0 cm/5 1/2"
AE 438/18 18,0 cm/7"
AE 438/20 20,0 cm/8"
AE 438/23 23,0 cm/9"


1/2

## EUFRATE PASQUÉ

extrem fein
extremely delicate
muy fino
très fin
molto fino

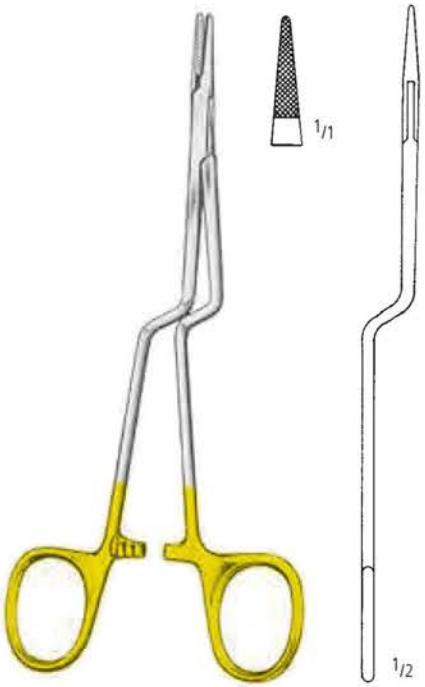
## MICROVASCULAR

## AE NAHT SUTURE SUTURA SUTURE SUTURA

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno




**CARROLL**
AE 440/15
15,0 cm/6"




**JACOBSON**
AE 444/18
18,0 cm/7"

nopa® TUC




**NEW ORLEANS**
AE 446/18
18,0 cm/7"




**SENNING**
(SWEDISH PATTERN)




AE 448/15
15,0 cm/6"



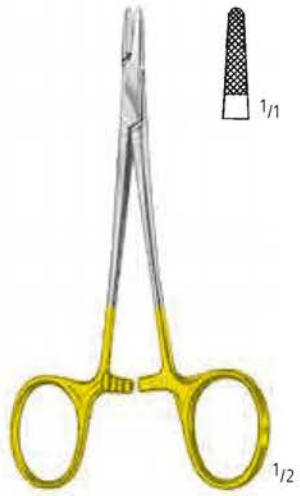

AE 448/17
17,0 cm/6¾"

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno

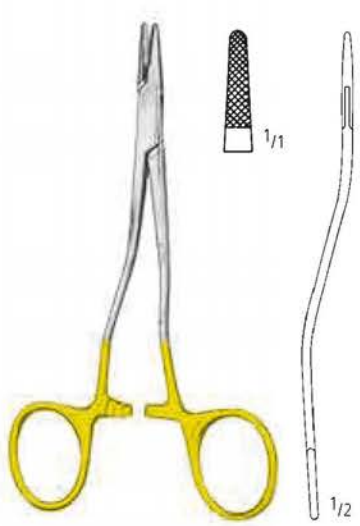





**DERF**
AE 450/12
12,5 cm/5"




**CONVERSE**
AE 452/12
12,5 cm/5"

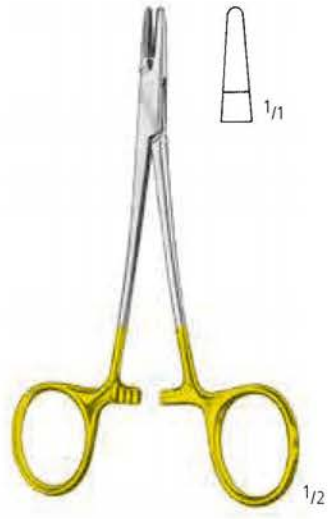



**KILNER**
AE 455/13
13,5 cm/5¼"

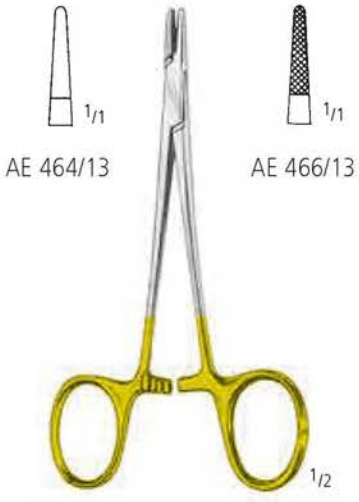
nopa® TUC




**NEIVERT**
AE 456/13
13,0 cm/5"




**WEBSTER**
AE 460/13
13,0 cm/5"




AE 464/13 AE 466/13

**HALSEY**
13,0 cm/5"

## AE NAHT SUTURE SUTURA SUTURE SUTURA

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno




**BABY-CRILE-WOOD**
AE 468/15
15,0 cm/6"




**CRILE-WOOD**
AE 469/15
15,0 cm/6"




**CRILE-WOOD**
AE 470/15
15,0 cm/6"




**CRILE-WOOD**

nopa® TUC




AE 470/18
18,0 cm/7"




AE 470/20
20,0 cm/8"




AE 470/23
23,0 cm/9"




AE 471/18
18,0 cm/7"

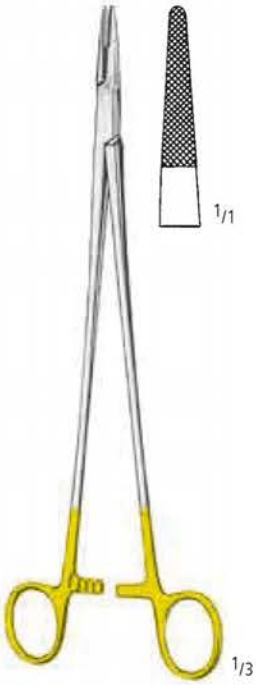



AE 471/23
23,0 cm/9"

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno



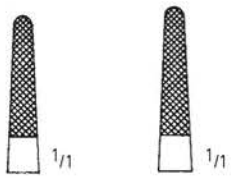

**FINOCCHIETTO**
AE 472/27
27,0 cm/10¾"




**WANGENSTEEN**
AE 474/27
27,0 cm/10¾"




**BOZEMANN**




AE 476/20
20,0 cm/8"

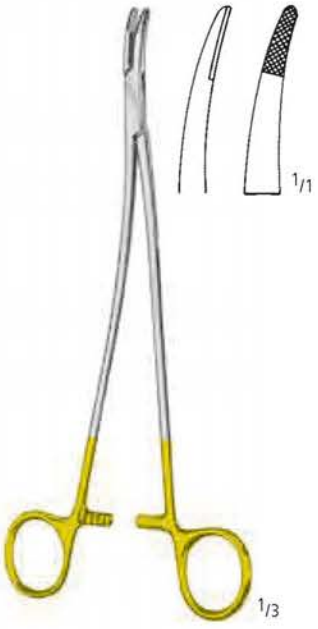
AE 476/24
24,0 cm/9½"




AE 476/26
26,0 cm/10½"



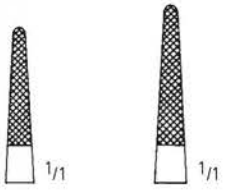

nopa® TUC




**STRATTE**
AE 478/23
23,0 cm/9"




**SAROT**




AE 480/18
18,0 cm/7"

AE 480/26
26,0 cm/10½"




**MASSON**
AE 482/27
27,0 cm/10¾"

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno



1/2



1/1

AE 487/20
20,0 cm/8"



1/1

AE 487/24
24,0 cm/9½"



1/1

AE 487/30
30,0 cm/12"

nopa TUC

**WERTHEIM**



1/2



1/1

AE 488/14
14,0 cm/5½"



1/1

AE 488/17
17,0 cm/6¾"



1/1

AE 488/19
19,0 cm/7½"



1/1

AE 490/16
16,0 cm/6¼"



1/1

AE 491/16
16,0 cm/6¼"



1/2

1/2

**OLSEN-HEGAR**

**GILLIES**

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno





1/1

AE 500/14
14,0 cm/5 1/2"

1/1

AE 500/17
17,0 cm/6 3/4"

1/1

AE 500/20
20,0 cm/8"

1/1

AE 500/24
24,0 cm/9 1/2"

1/2

**MATHIEU**



1/1

AE 501/14
14,0 cm/5 1/2"

1/2

**MATHIEU**

nopa® TUC



1/1

AE 502/17
17,0 cm/6 3/4"

1/1

AE 502/20
20,0 cm/8"

1/1

AE 502/23
23,0 cm/9"

1/2

**MATHIEU**



1/1

AE 504/14
14,0 cm/5 1/2"

1/1

AE 504/17
17,0 cm/6 3/4"

1/1

AE 504/20
20,0 cm/8"

1/2

**MATHIEU-**
DELICATE



1/1

AE 507/17
17,0 cm/6 3/4"

1/1

AE 507/19
19,5 cm/7 1/2"

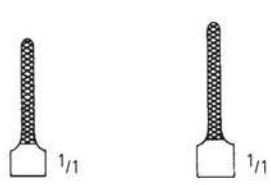
1/2

**METZENBAUM**

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno

nopa® TUC

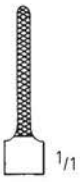



AE 510/17
17,0 cm/6¾"



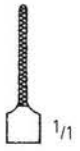

AE 510/20
20,0 cm/8"




AE 510/24
24,0 cm/9½"

**MATHIEU-RYDER**




AE 512/17
17,0 cm/6¾"




AE 512/20
20,0 cm/8"

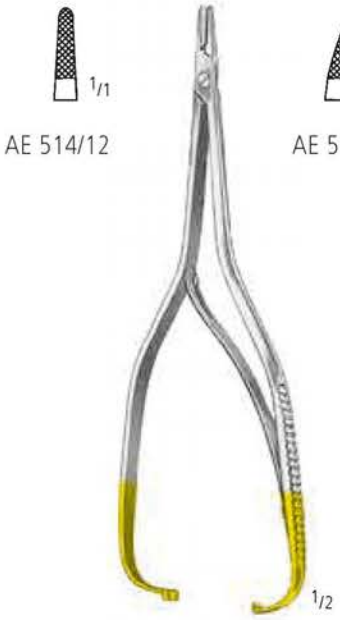



AE 512/24
24,0 cm/9½"

**MATHIEU-RYDER VASCULAR**

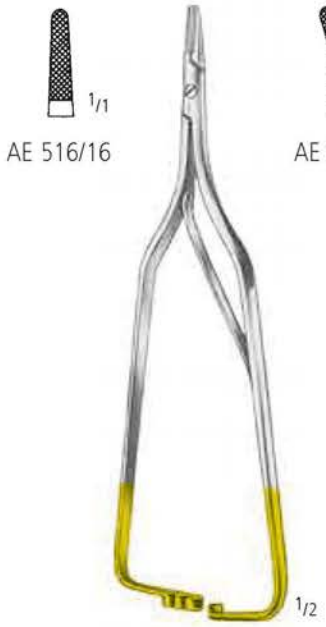
Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno






AE 514/12 AE 515/12

**BOYNTON**
12,0 cm/4¾"




AE 516/16 AE 517/16

**ARRUGA**
16,0 cm/6¼"

nopa® TUC




**HÖSEL**
AE 520/25
25,0 cm/10"




**TOENNIS**
AE 522/18
18,0 cm/7"




**LICHTENBERG**
AE 524/20
20,0 cm/8"

Nadelhalter mit Hartmetalleinsätzen
Needle Holders with Tungsten Carbide Inserts
Porta-agujas con bocas de carburo de Tungsteno
Porte-aiguilles à mors en carbure de tungstène
Portaghi con placche di carburo di tungsteno







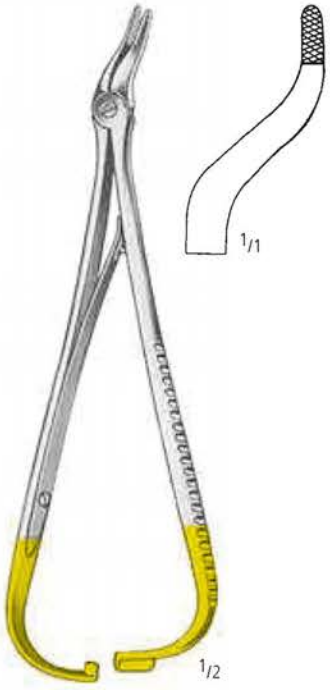
AE 530/20
20,0 cm/8"




AE 530/23
23,0 cm/9"

nopa® TUC

**ZWEIFEL**




**EISELSBERG-MATHIEU**
AE 533/18
18,5 cm/7 1/3"




**LUETHY-BECK**
AE 535/20
20,0 cm/8"




**LANGENBECK**




AE 540/16
16,0 cm/6 1/4"




AE 540/18
18,0 cm/7"




AE 540/20
20,0 cm/8"

**LANGENBECK-**DELICATE




AE 542/18
18,0 cm/7"




AE 542/20
20,0 cm/8"




AE 542/23
23,0 cm/9"

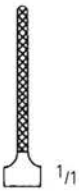
**LANGENBECK-RYDER**




AE 544/18
18,0 cm/7"




AE 544/20
20,0 cm/8"




AE 544/23
23,0 cm/9"

Drahtzangen mit Hartmetalleinsätzen
Wire Twisting Forceps with Tungsten Carbide Inserts
Pinzas para torcer hilos con bocas de carburo de Tungsteno
Pinces à torsader le fil à mors en carbure de tungstène
Pinze per ritorcere fili con placche di carburo di tungsteno





1/1

AE 550/13
13,0 cm/5"



1/1

AE 550/18
18,0 cm/7"

**STERNUM**

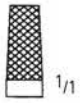


1/2



1/1

AE 551/01
15,0 cm/6"



1/1

AE 551/02
18,0 cm/7"



1/2



1/1

AE 552/18

18,5 cm/7¼"

nopa® TUC

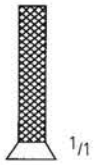


1/2



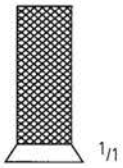
1/1

AE 554/01
5,0 mm



1/1

AE 554/02
3,0 mm



1/1

AE 554/03
7,0 mm

18,0 cm/7"



1/2



1/1

AE 556/01
16,5 cm/6½"



1/1

AE 556/02
15,0 cm/6"



1/1

AE 556/03
15,0 cm/6"

**CORWIN**

## AE NAHT SUTURE SUTURA SUTURE SUTURA

Mikro-Nadelhalter mit Hartmetalleinsätzen
Micro-Needle Holders with Tungsten Carbide Inserts
Micro-Porta-agujas con bocas de carburo de Tungsteno
Micro-Porte-aiguilles à mors en carbure de tungstène
Micro-Portaghi con placche di carburo di tungsteno







AE 570/14




AE 571/14

**CASTROVIEJO**
14,0 cm/5½"







AE 572/14




AE 573/14

**CASTROVIEJO**
14,0 cm/5½"

nopa® TUC







AE 576/18




AE 577/18




AE 578/18




AE 579/18

18,0 cm/7"







AE 580/01




AE 580/02

**JACOBSON**
21,0 cm/8¼"

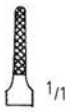
Mikro-Nadelhalter mit Hartmetalleinsätzen
Micro-Needle Holders with Tungsten Carbide Inserts
Micro-Porta-agujas con bocas de carburo de Tungsteno
Micro-Porte-aiguilles à mors en carbure de tungstène
Micro-Portaghi con placche di carburo di tungsteno



**DIETHRICH**




AE 582/16
16,0 cm/6¼"




AE 582/18
18,0 cm/7"




AE 582/20
20,0 cm/8"




AE 582/23
23,0 cm/9"




AE 582/26
26,0 cm/10½"

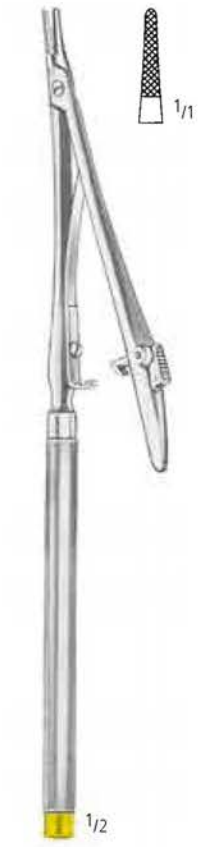
nopa® TUC




**KALT**
AE 584/14
13,5 cm/5¼"




**CASTROVIEJO**
AE 586/13
13,0 cm/5"




**POTTS-SMITH**
AE 588/22
22,0 cm/8¾"

Nadelhalter
Needle Holders
Porta-agujas
Porte-aiguilles
Portaghi

# nopa® DIAMOND







14,0 cm/5½" KS 080/14




18,0 cm/7" KS 080/18
23,0 cm/9" KS 080/23







14,0 cm/5½" KS 081/14




18,0 cm/7" KS 081/18
23,0 cm/9" KS 081/23

Nadelhalter
Needle Holders
Porta-agujas
Porte-aiguilles
Portaghi



# nopa® DIAMOND




KS 082/21

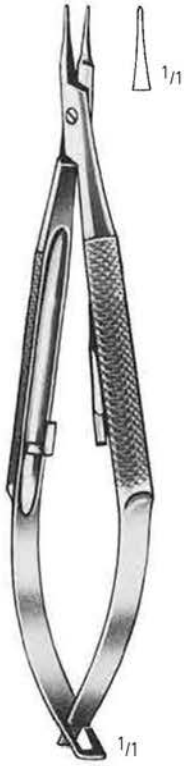



KS 083/21

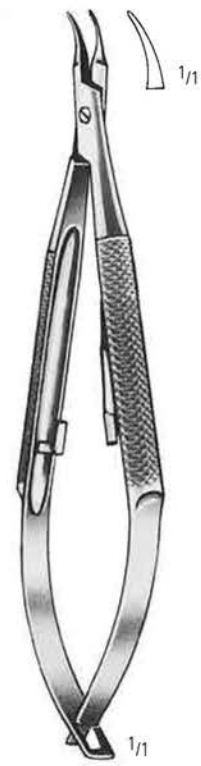



21,0 cm/8¼"

Mikro-Nadelhalter mit Rundgriff
Micro-Needle Holders with Pen-Type Handle
Micro-Porta-agujas con mango redondo
Micro-Porte-aiguilles à manches rondes
Micro-Portaghi con manici rotondi



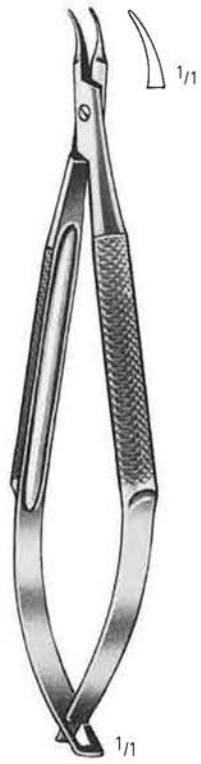

**BARRAQUER-TROUTMAN**
AE 600/10
10,0 cm/4"




**BARRAQUER-TROUTMAN**
AE 601/10
10,0 cm/4"




**BARRAQUER-TROUTMAN**
AE 602/10
10,0 cm/4"




**BARRAQUER-TROUTMAN**
AE 603/10
10,0 cm/4"




**BARRAQUER**
AE 605/11
11,0 cm/4 1/3"



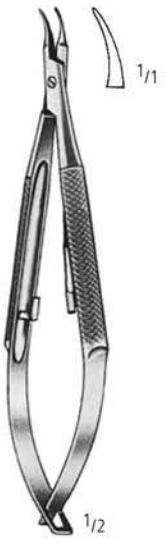

**BARRAQUER**
AE 605/13
13,0 cm/5"




**BARRAQUER**
AE 605/14
14,0 cm/5 1/2"




**BARRAQUER**
AE 606/14
14,0 cm/5 1/2"




**BARRAQUER**
AE 607/14
14,0 cm/5 1/2"

Mikro-Nadelhalter mit Rundgriff
Micro-Needle Holders with Pen-Type Handle
Micro-Porta-agujas con mango redondo
Micro-Porte-aiguilles à manches rondes
Micro-Portaghi con manici rotondi






**TROUTMAN**
AE 609/01
12,0 cm/4¾"




**TROUTMAN**
AE 609/02
12,0 cm/4¾"




**REILL**
15,0 cm/6"




**REILL**
15,0 cm/6"

Mikro-Nadelhalter mit Rundgriff
Micro-Needle Holders with Pen-Type Handle
Micro-Porta-agujas con mango redondo
Micro-Porte-aiguilles à manches rondes
Micro-Portaghi con manici rotondi




AE 621/14
14,0 cm/5 1/2"




Maulteil konkav/konvex
Jaws concave/convex
Bocas concavas/convexas
Mors concave/convexe
Morso concavo/convesso

AE 623/14
14,0 cm/5 1/2"

...für Rechtshänder
...for right handed surgeons
...para diestros
...pour des droitiers
...per destrimani




AE 625/14
14,0 cm/5 1/2"

...für Linkshänder
...for left handed surgeons
...para zurdos
...pour gaucher
...per mancini

Mikro-Nadelhalter mit Rundgriff
Micro-Needle Holders with Pen-Type Handle
Micro-Porta-agujas con mango redondo
Micro-Porte-aiguilles à manches rondes
Micro-Portaghi con manici rotondi






AE 630/18
18,0 cm/7"




AE 631/18
18,0 cm/7"

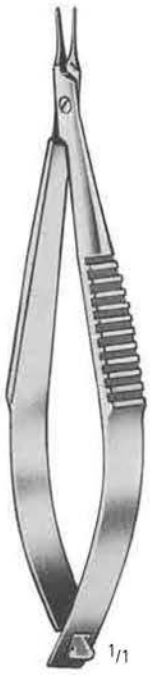



AE 632/18
18,0 cm/7"




AE 633/18
18,0 cm/7"

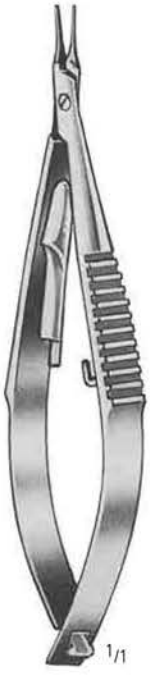
Mikro-Nadelhalter
Micro-Needle Holders
Micro-Porta-agujas
Micro-Porte-aiguilles
Micro-Portaghi




1/1 AE 650/09

1/1 AE 651/09

**CASTROVIEJO**
9,0 cm/3½"




1/1 AE 652/09

1/1 AE 653/09

**CASTROVIEJO**
9,0 cm/3½"




1/1 AE 656/14

1/1 AE 657/14

1/1 AE 658/14

1/1 AE 659/14

**CASTROVIEJO**
14,0 cm/5½"



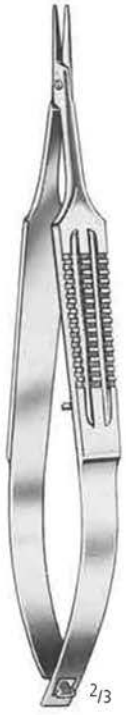

1/1 AE 660/14

1/1 AE 661/14

1/1 AE 662/14

1/1 AE 663/14

**CASTROVIEJO**
14,0 cm/5½"




1/1 AE 670/14

1/1 AE 671/14

**CASTROVIEJO**
14,0 cm/5½"

breiter Griff
wide handle
mango ancho
manche large
manico largo




1/1 AE 672/14

1/1 AE 673/14

**CASTROVIEJO**
14,0 cm/5½"




1/1 AE 678/18
18,0 cm/7"

1/1 AE 678/21
21,0 cm/8¼"

**JACOBSON**

Mikro-Nadelhalter
Micro-Needle Holders
Micro-Porta-agujas
Micro-Porte-aiguilles
Micro-Portaghi









| | | |
|---|---|---|
| AE 680/16 | 16,5 cm/6½" | AE 681/16 |
| AE 680/18 | 18,0 cm/7" | AE 681/18 |
| AE 680/20 | 20,0 cm/8" | AE 681/20 |
| AE 680/22 | 22,0 cm/8¾" | AE 681/22 |

# TUPFERZANGEN
# SPONGE FORCEPS
# PINZAS PARA POLIPOS
# PINCES A PANSEMENTS
# PINZE PER POLIPI

# AF

nopa® instruments

Weitere Tupferzangen finden Sie in unserem Katalog „Allgemeine Chirurgie" in Gruppe AF.

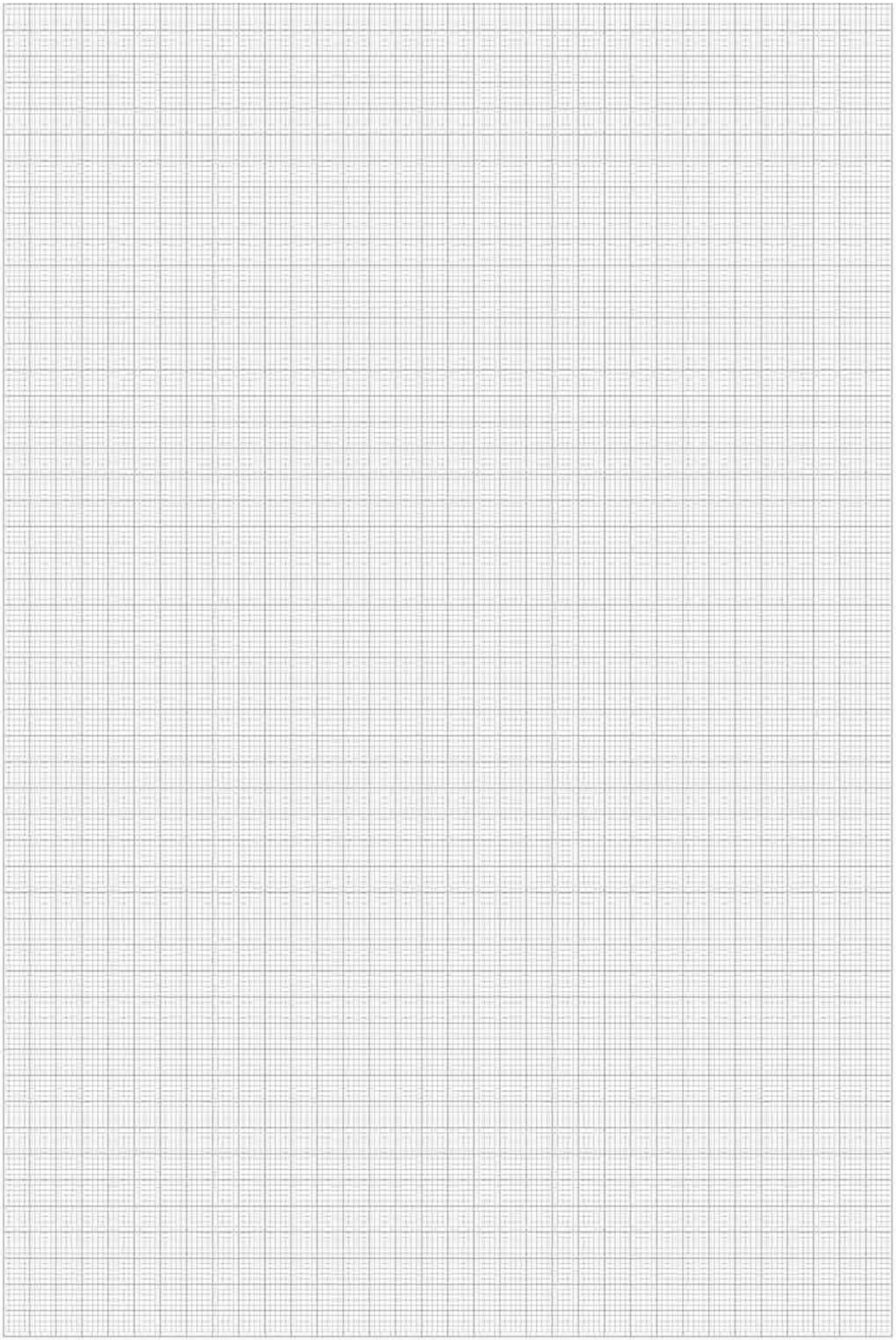
For further sponge forceps kindly refer to our catalogue „General Surgery", section AF.

Para pinzas polipos adicionales, por favor consulte nuestro catálogo de „Cirugía general", grupo AF.

Pour des pinces à pansements supplémentaires, consultez notre catalogue „Chirurgie Generale", section AF.

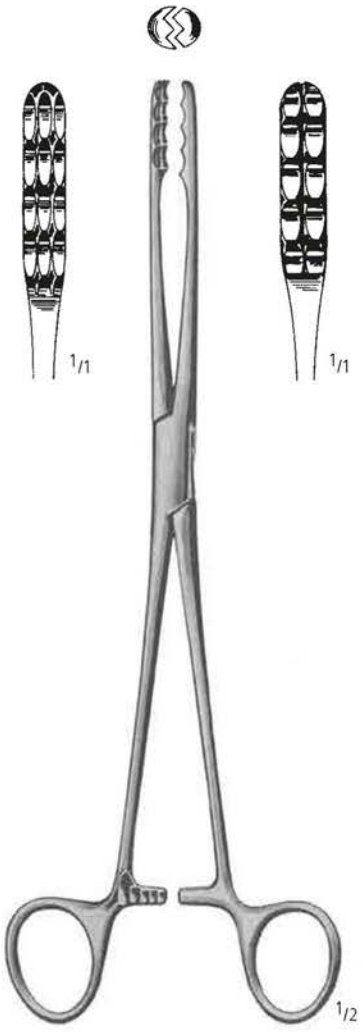
Per gli altri pinze per polipi, consultare il nostro catalogo „Chirurgia Generale", gruppo AF.

>>

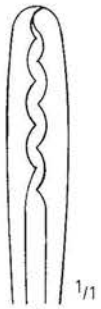


Korn- und Tupferzangen, Schwammzangen
Polypus and Dressing Forceps, Sponge Holding Forceps
Pinzas para pólipos, tapones y esponjas
Pinces à pansements, à tampons et à éponges
Pinze per polipi, tamponi e spugne

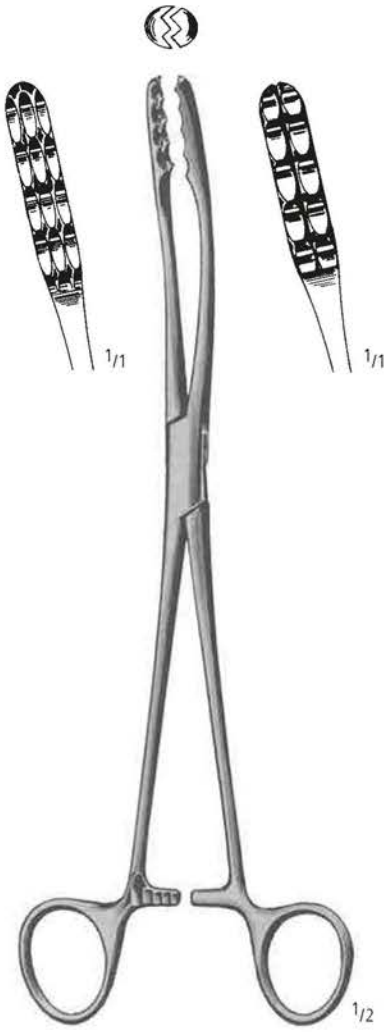





**ULRICH**
AF 070/22
AF 070/25




22,0 cm/8¾"
25,0 cm/10"




**ULRICH**
AF 071/22
AF 071/25

Korn- und Tupferzangen, Schwammzangen
Polypus and Dressing Forceps, Sponge Holding Forceps
Pinzas para pólipos, tapones y esponjas
Pinces à pansements, à tampons et à éponges
Pinze per polipi, tamponi e spugne







**GROSS-MAIER**

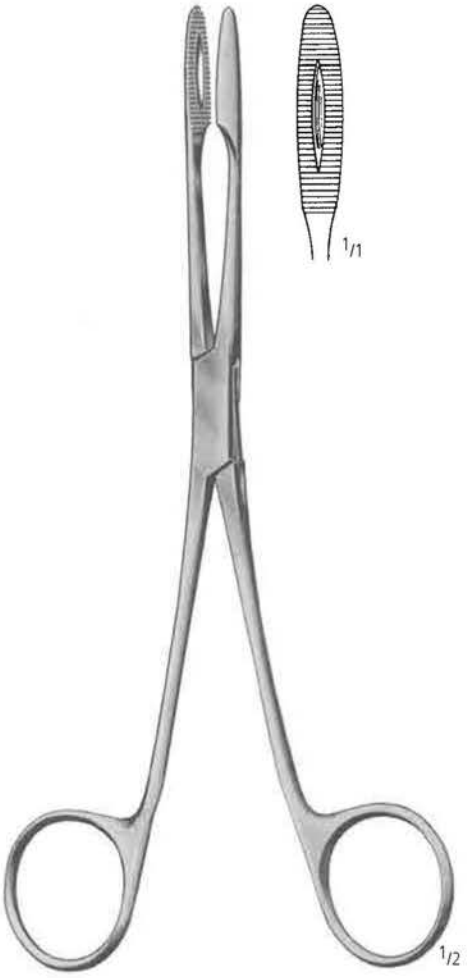
| | |
|---|---|
| AF 100/20 | 20,0 cm/8" |
| AF 100/22 | 22,0 cm/8¾" |
| AF 100/25 | 25,0 cm/10" |
| AF 100/27 | 27,0 cm/10¾" |

**GROSS-MAIER**

AF 101/20
AF 101/22
AF 101/25
AF 101/27

Korn- und Tupferzangen, Schwammzangen
Polypus and Dressing Forceps, Sponge Holding Forceps
Pinzas para pólipos, tapones y esponjas
Pinces à pansements, à tampons et à éponges
Pinze per polipi, tamponi e spugne






**GROSS-MAIER**

| | |
|---|---|
| AF 102/20 | 20,0 cm/8" |
| AF 102/22 | 22,0 cm/8¾" |
| AF 102/25 | 25,0 cm/10" |
| AF 102/27 | 27,0 cm/10¾" |




**GROSS-MAIER**

AF 103/20
AF 103/22
AF 103/25
AF 103/27

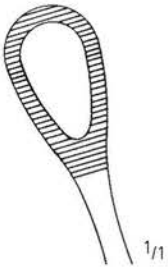
Korn- und Tupferzangen, Schwammzangen
Polypus and Dressing Forceps, Sponge Holding Forceps
Pinzas para pólipos, tapones y esponjas
Pinces à pansements, à tampons et à éponges
Pinze per polipi, tamponi e spugne




**FOERSTER-BALLENGER**




AF 200/18
AF 200/20

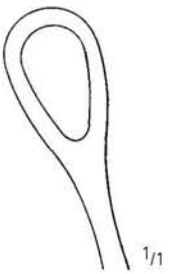



AF 201/18
AF 201/20

18,0 cm/7"
20,0 cm/8"



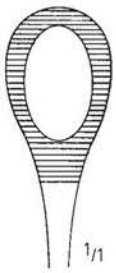

AF 202/18
AF 202/20



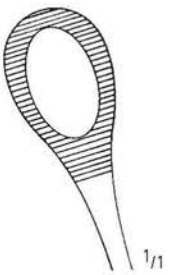

AF 203/18
AF 203/20




**FOERSTER-BALLENGER**
25,0 cm/10"



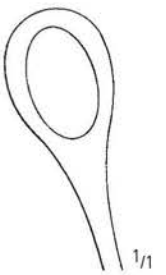

AF 200/25




AF 201/25



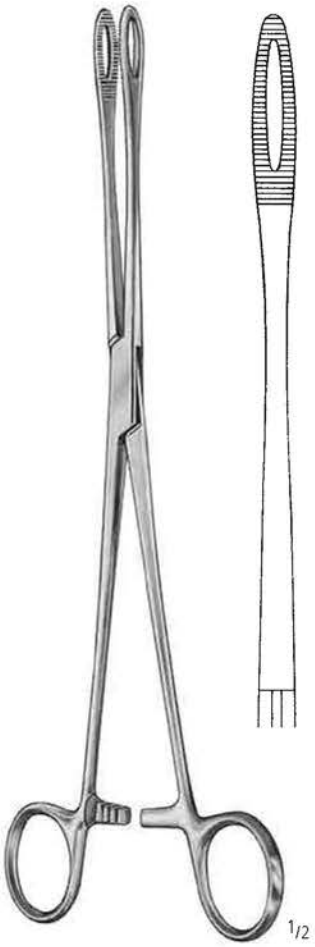

AF 202/25



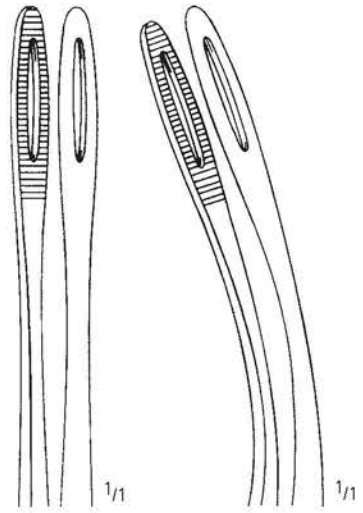

AF 203/25

Korn- und Tupferzangen, Schwammzangen
Polypus and Dressing Forceps, Sponge Holding Forceps
Pinzas para pólipos, tapones y esponjas
Pinces à pansements, à tampons et à éponges
Pinze per polipi, tamponi e spugne

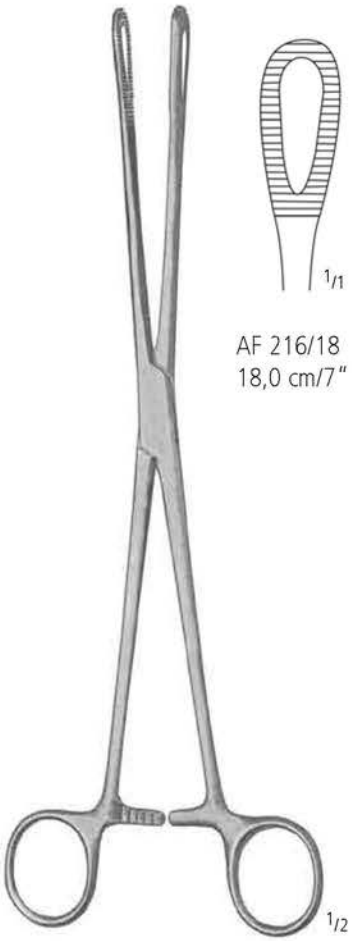





25,0 cm/10"



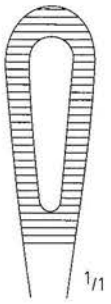

AF 210/25 AF 211/25




**RAMPLEY**




AF 216/18
18,0 cm/7"




AF 216/25
25,0 cm/10"

WUNDHAKEN
RETRACTORS
SEPARADORES
ECARTEURS
DIVARICATORI

# AK

nopa® instruments

Weitere Wundhaken finden Sie in unserem Katalog „Allgemeine Chirurgie" in Gruppe AK.

For further retractors kindly refer to our catalogue „General Surgery", section AK.

Para más separadores, por favor consulte nuestro catálogo de „Cirugía general", grupo AK.

Pour plusd´ ecarteurs, consultez notre catalogue „Chirurgie Generale", section AK.

Per gli altri divaricatori, consultare il nostro catalogo „Chirurgia Generale", gruppo AK.



Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili




**CUSHING**
28,0 cm/11"




AK 034/01




AK 034/02



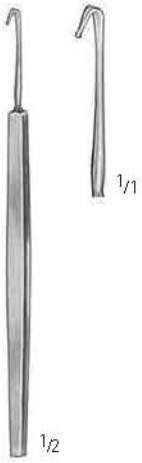

**CUSHING**
19,0 cm/7 1/2"




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 1/3"




AK 042/10
Ø 1,0 mm




AK 042/12
Ø 1,2 mm




AK 044/11
11,0 cm/4 1/3"

Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili






**MEYERDING**
18,0 cm/7"




AK 080/01
18 x 7 mm




AK 080/02
16 x 5 mm




AK 080/03
7 x 4 mm




AK 080/04
10 x 3 mm




AK 080/05
7 x 4 mm




AK 080/06
4 x 10 mm



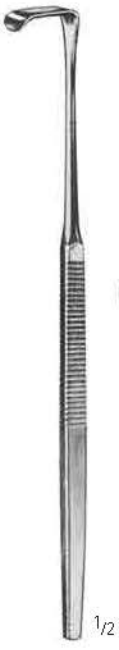

**SENN-GREEN**
15,0 cm/6"




AK 082/10
10 x 6 mm




AK 082/20
22 x 8 mm




**MINI-LANGENBECK**
16,0 cm/6¼"




AK 086/10
10 x 6 mm




AK 086/17
17 x 5 mm




AK 086/20
20 x 6 mm




AK 086/22
22 x 8 mm

Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili



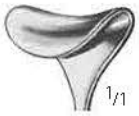

**DESMARRES**
13,0 cm/5"




AK 090/08
8 mm




AK 090/12
12 mm




AK 090/16
16 mm




AK 090/10
10 mm




AK 090/14
14 mm




AK 090/18
18 mm




**DESMARRES**
16,0 cm/6¼"




AK 092/08
8 mm




AK 092/12
12 mm




AK 092/16
16 mm




AK 092/10
10 mm




AK 092/14
14 mm




AK 092/18
18 mm




**CUSHING**
20,0 cm/8"




AK 100/08
8 mm




AK 100/12
12 mm




AK 100/16
16 mm




AK 100/10
10 mm



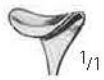

AK 100/14
14 mm




AK 100/18
18 mm




**CUSHING**
24,0 cm/9½"




AK 102/08
8 mm




AK 102/12
12 mm




AK 102/16
16 mm




AK 102/10
10 mm




AK 102/14
14 mm




AK 102/18
18 mm

Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili






**GIL-VERNET**
24,5 cm/9 3/4"




AK 110/09
9 mm




AK 110/11
11 mm




AK 110/13
13 mm




AK 110/15
15 mm




AK 110/18
18 mm




**GIL-VERNET**
28,0 cm/11"




AK 111/09
9 mm




AK 111/11
11 mm




AK 111/13
13 mm




AK 111/15
15 mm




AK 111/18
18 mm

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





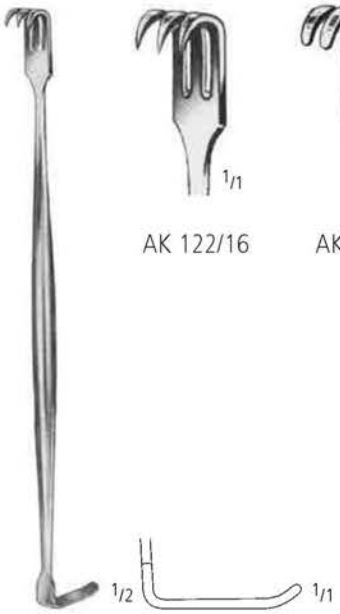


AK 120/15




AK 121/15

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







AK 122/16




AK 123/16

**SENN-MILLER**
16,0 cm/6¼"



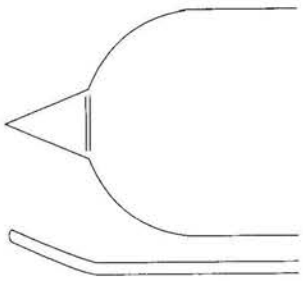

**RAGNELL-DAVIS**
AK 125/14
14,0 cm/5½"



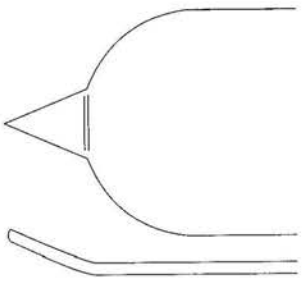

**CUSHING**
AK 130/20
20,0 cm/8"




**TAYLOR**
16,5 cm/6½"

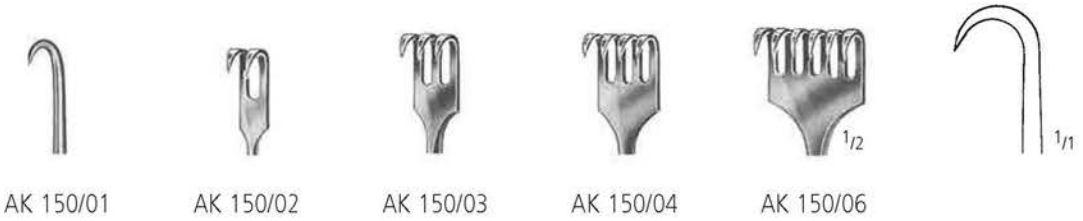


AK 132/07
75 x 30 mm

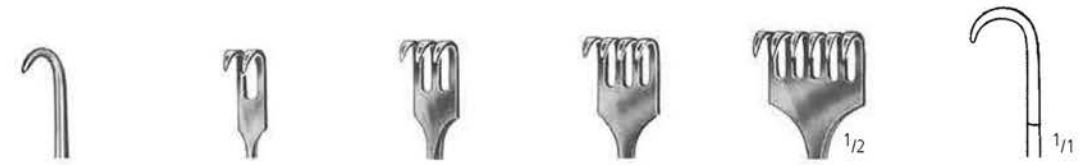


AK 132/10
100 x 30 mm

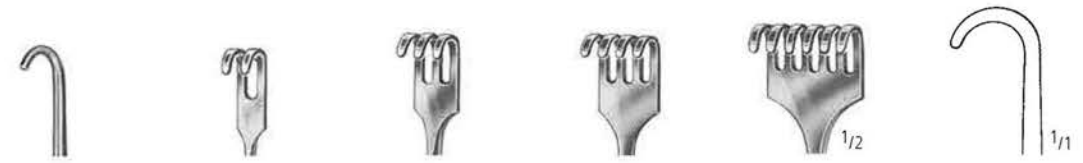



AK 150/01 AK 150/02 AK 150/03 AK 150/04 AK 150/06




AK 151/01 AK 151/02 AK 151/03 AK 151/04 AK 151/06




AK 152/01 AK 152/02 AK 152/03 AK 152/04 AK 152/06

**VOLKMANN**
21,5 cm/8½"







AK 160/01 AK 160/02 AK 160/03 AK 160/04 AK 160/06 AK 160/08




AK 161/01 AK 161/02 AK 161/03 AK 161/04 AK 161/06 AK 161/08

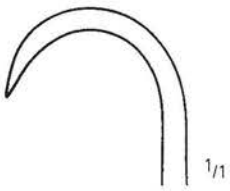



AK 162/01 AK 162/02 AK 162/03 AK 162/04 AK 162/06 AK 162/08

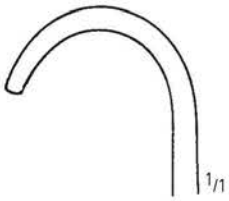
**KOCHER**
22,0 cm/8¾"




**VOLKMANN**
21,5 cm/8½"



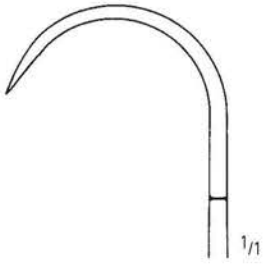

AK 170/21



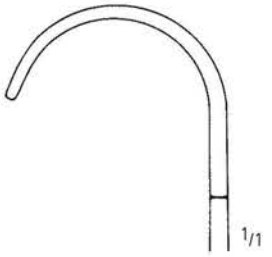

AK 171/21




**KOERTE**
24,0 cm/9½"

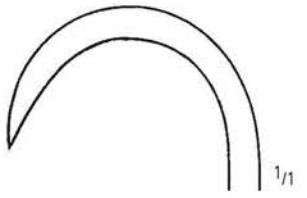



AK 180/08
26 x 40 mm

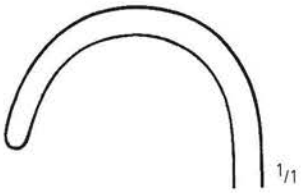



AK 181/08
26 x 40 mm




AK 172/20
20,0 cm/8"




AK 173/20
20,0 cm/8"




AK 185/35
35 x 40 mm



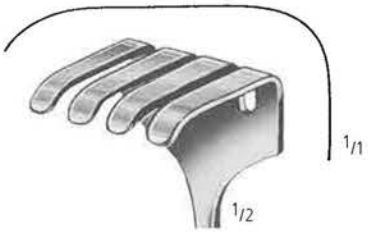

**BILLROTH**
25,0 cm/10"



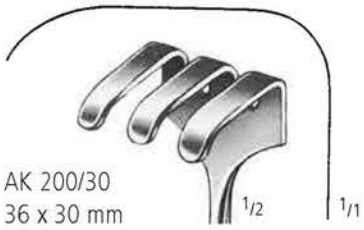

AK 185/43
43 x 35 mm



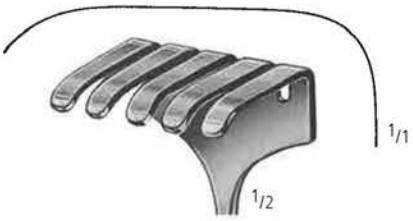

AK 185/45
45 x 50 mm




AK 210/40
40 x 40 mm




AK 200/30
36 x 30 mm

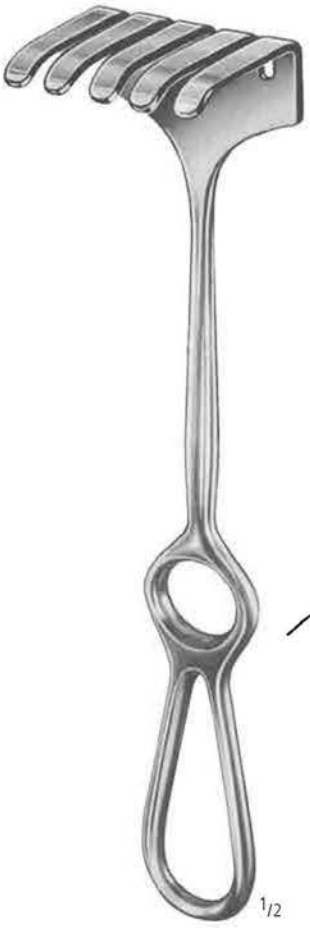



AK 210/50
45 x 50 mm

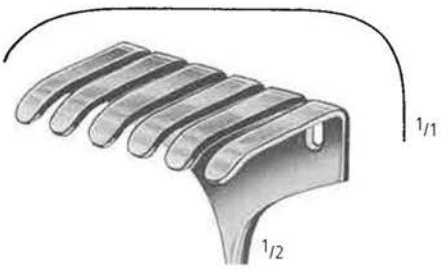



AK 200/60
36 x 60 mm

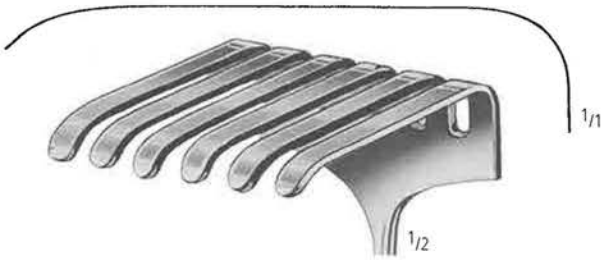
**OLLIER**
22,5 cm/9"



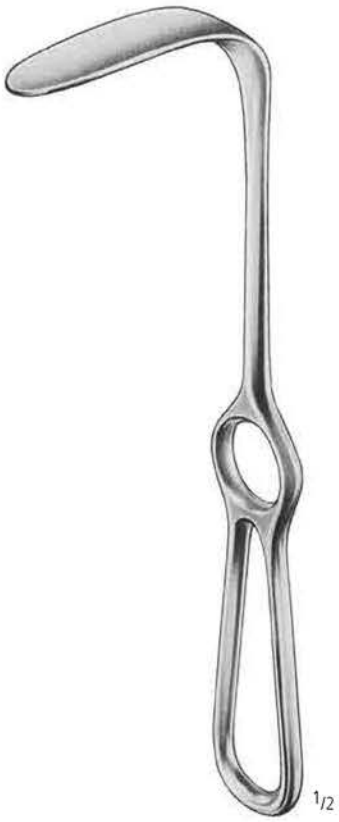

**ISRAEL**
25,0 cm/10"



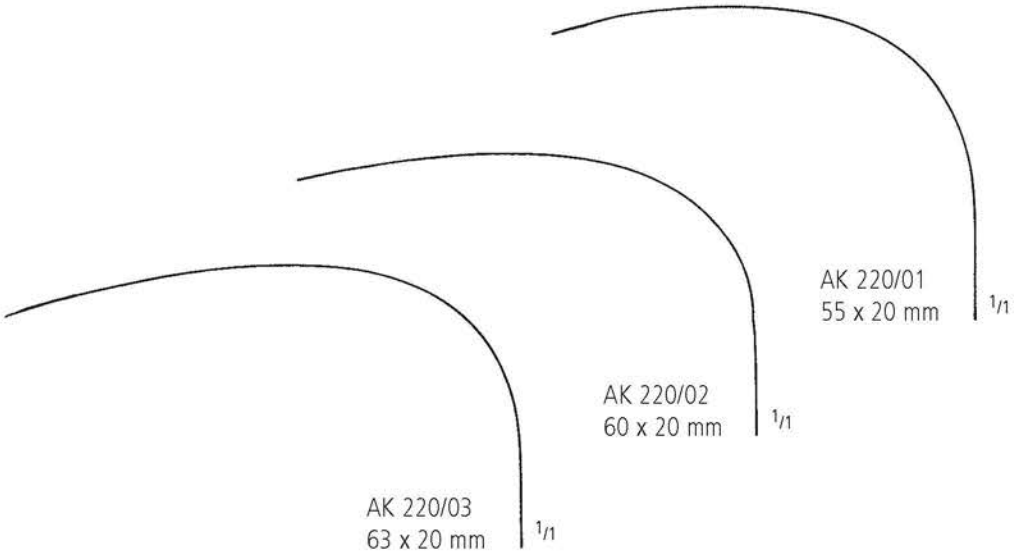

AK 210/60
50 x 60 mm




AK 210/70
70 x 70 mm


1/2

**LANGENBECK**
21,0 cm/8¼"





1/2

**LANGENBECK**
AK 230/01-05
22,0 cm/8¾"


1/1

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


1/1

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


1/1

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


1/1

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


1/1

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


1/2

**LANGENBECK**
AK 231/01-05
22,0 cm/8¾"




**KOCHER-LANGENBECK**
21,5 cm/8½"




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



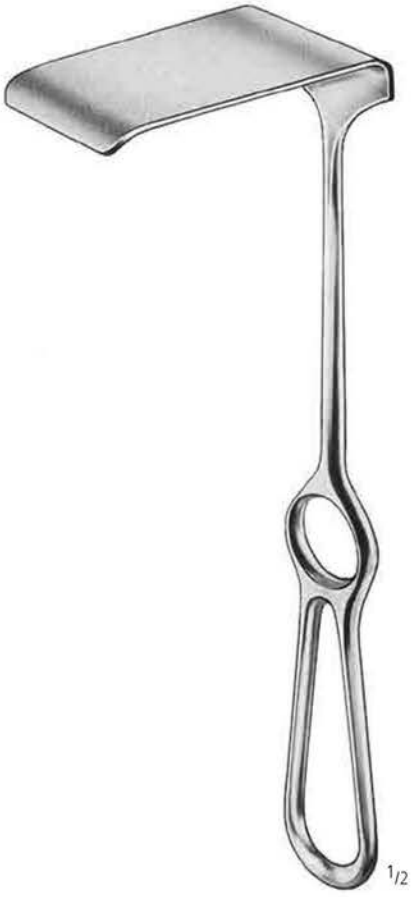

AK 233/07
70 x 14 mm



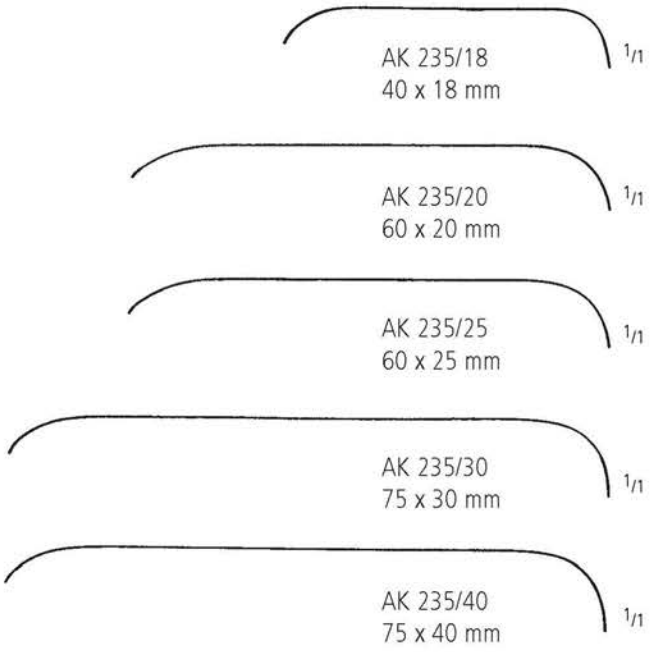

AK 233/08
80 x 12 mm

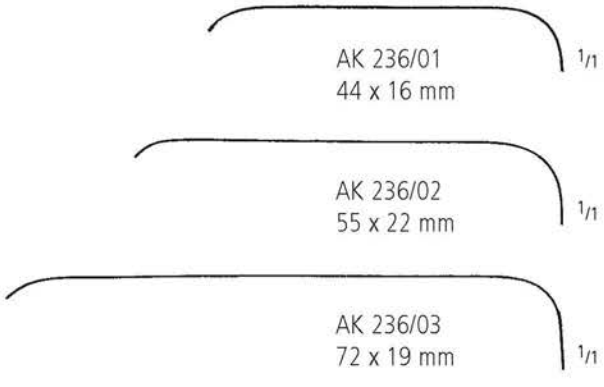


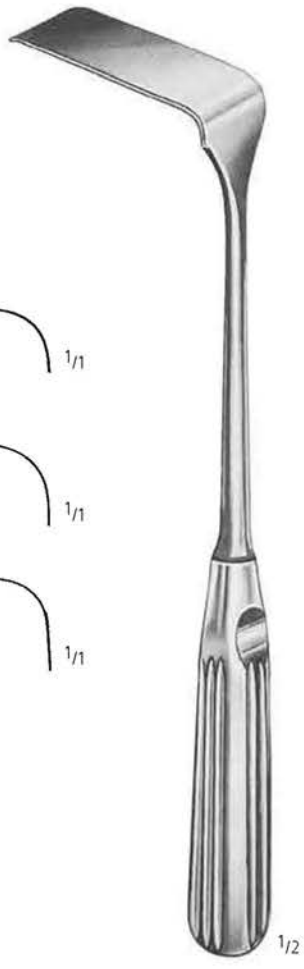

AK 233/09
80 x 16 mm




**KOCHER**
23,0 cm/9"




**SAUERBRUCH**
22,5 cm/8¾"




AK 237/01
50 x 55 mm

**MORRIS**
26,0 cm/10½"




AK 237/02
70 x 40 mm

AK 237/03
70 x 50 mm

AK 237/04
70 x 65 mm

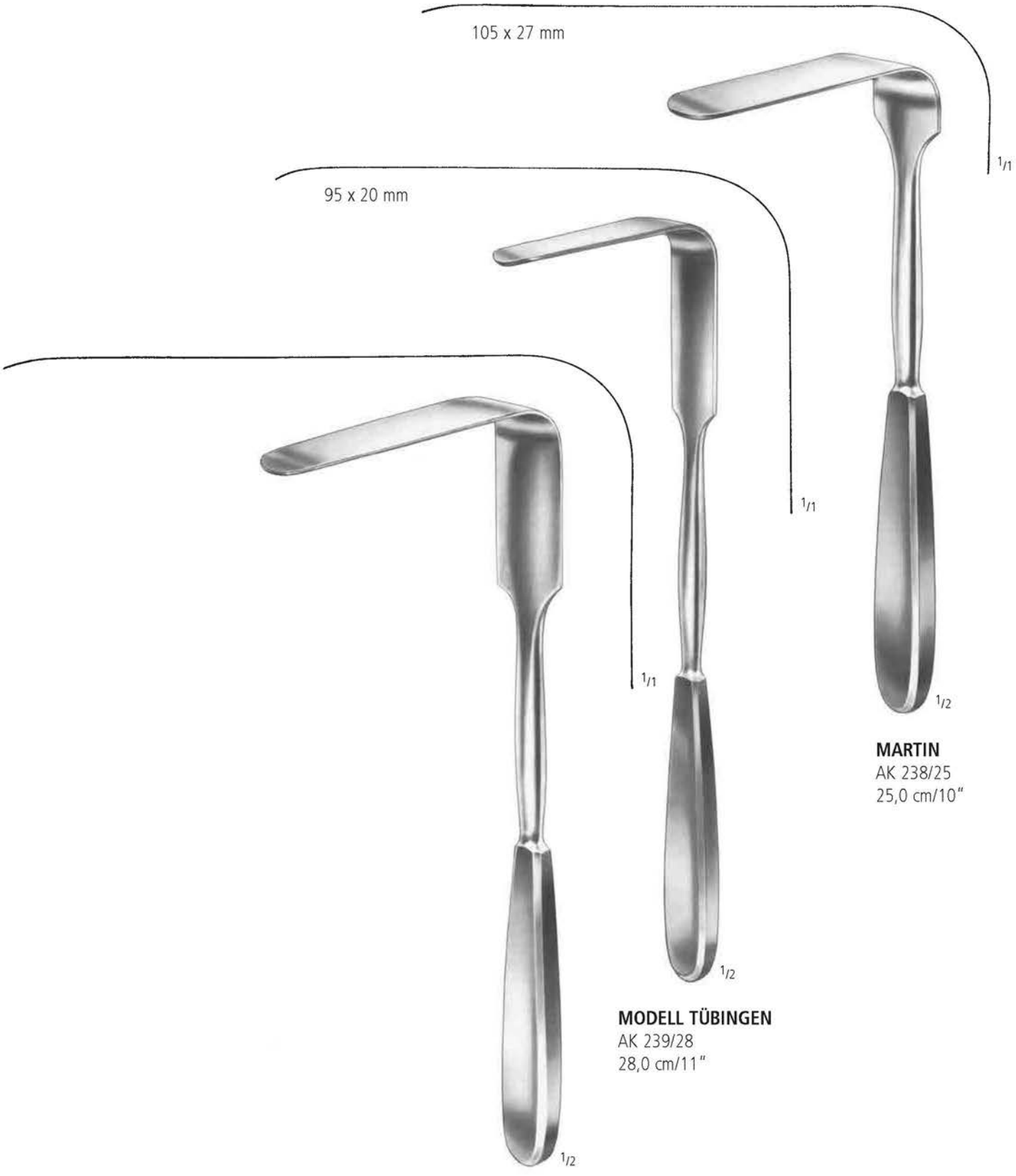
**MORRIS**
25 cm/10"




60 x 50 mm

60 x 45 mm

**MORRIS**
AK 238/24
25,0 cm/10"



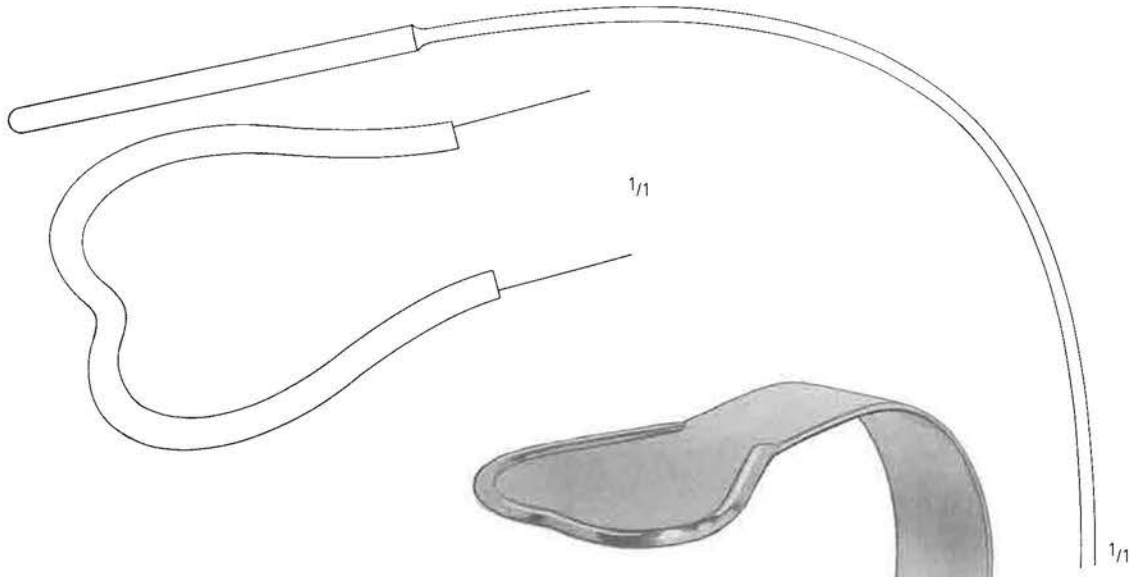

**MARTIN**
AK 238/25
25,0 cm/10"

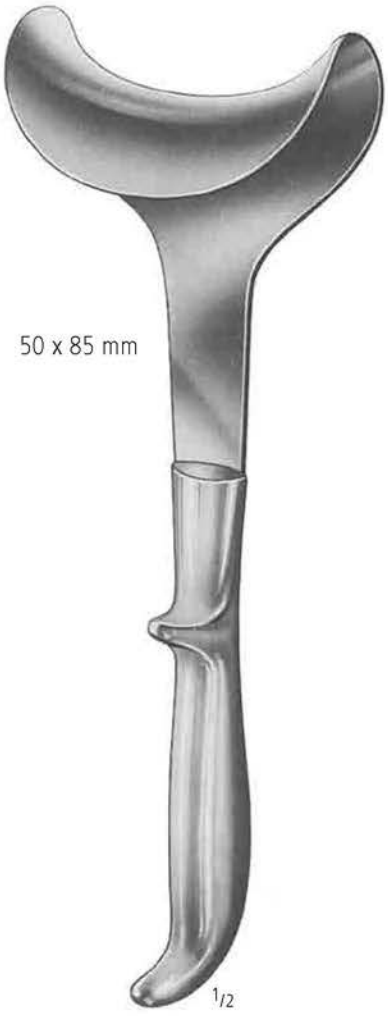
**MODELL TÜBINGEN**
AK 239/28
28,0 cm/11"

AK 240/22
115 x 22 mm

**SIMON**
28,0 cm/11"

AK 240/27
115 x 27 mm







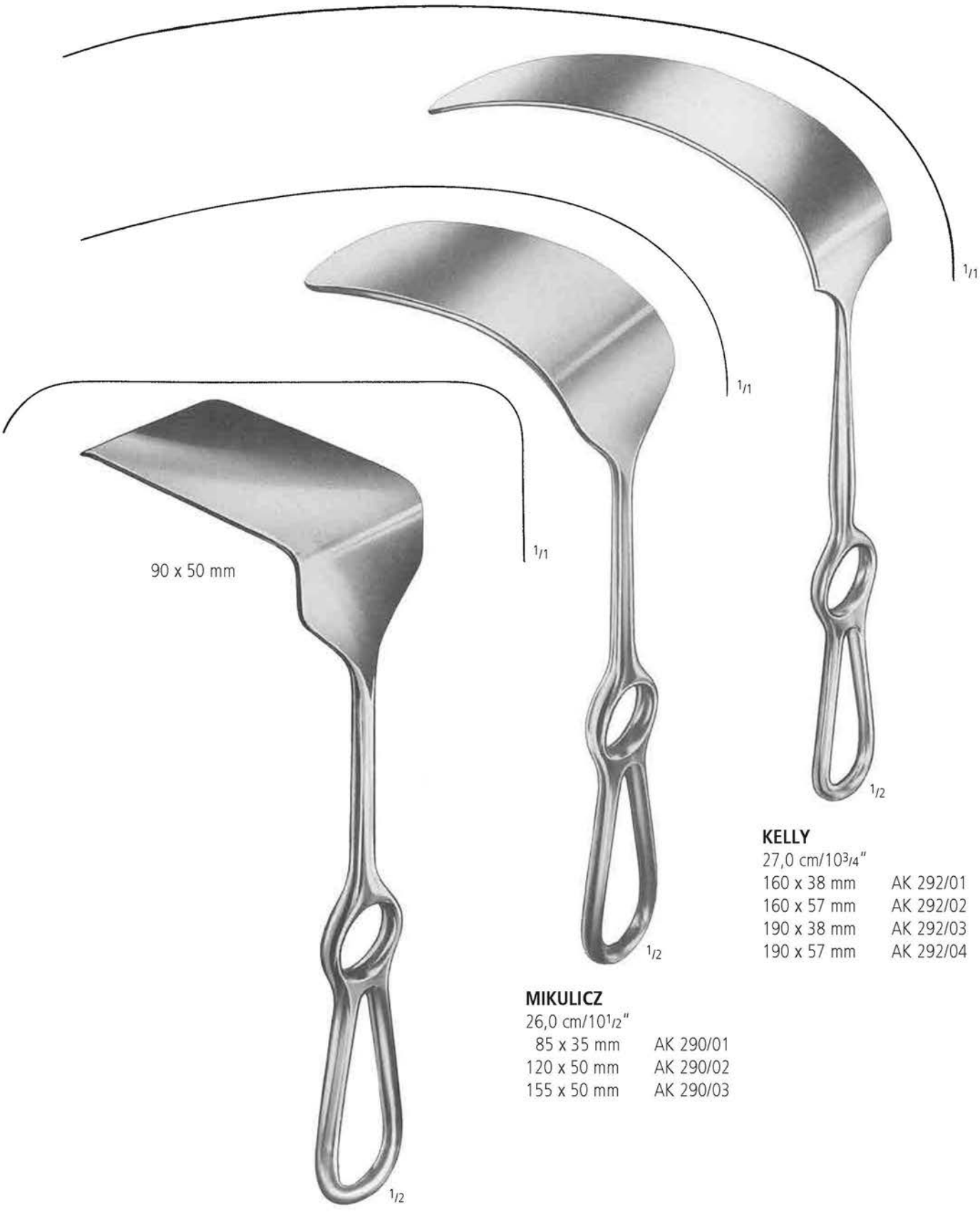



**DOYEN**
AK 280/25
25,0 cm/10"

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

**HARRINGTON**
32,0 cm/12¾"

| | |
|---|---|
| 127 x 40 mm | AK 284/40 |
| 127 x 62 mm | AK 284/62 |
| 175 x 64 mm | AK 284/64 |




**KELLY**
27,0 cm/10¾"

| | |
|---|---|
| 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 |

**MIKULICZ**
26,0 cm/10½"

| | |
|---|---|
| 85 x 35 mm | AK 290/01 |
| 120 x 50 mm | AK 290/02 |
| 155 x 50 mm | AK 290/03 |

**MIKULICZ**
AK 286/26
26,0 cm/10½"




**DEAVER**
AK 300/01
18,0 cm/7"

**DEAVER**
AK 300/02
21,5 cm/8½"

**DEAVER**
AK 300/03
23,0 cm/9"

**DEAVER**
AK 300/04
30,0 cm/12"

**DEAVER**
AK 300/05
33,0 cm/13"

**DEAVER**
AK 300/06
36,0 cm/14"



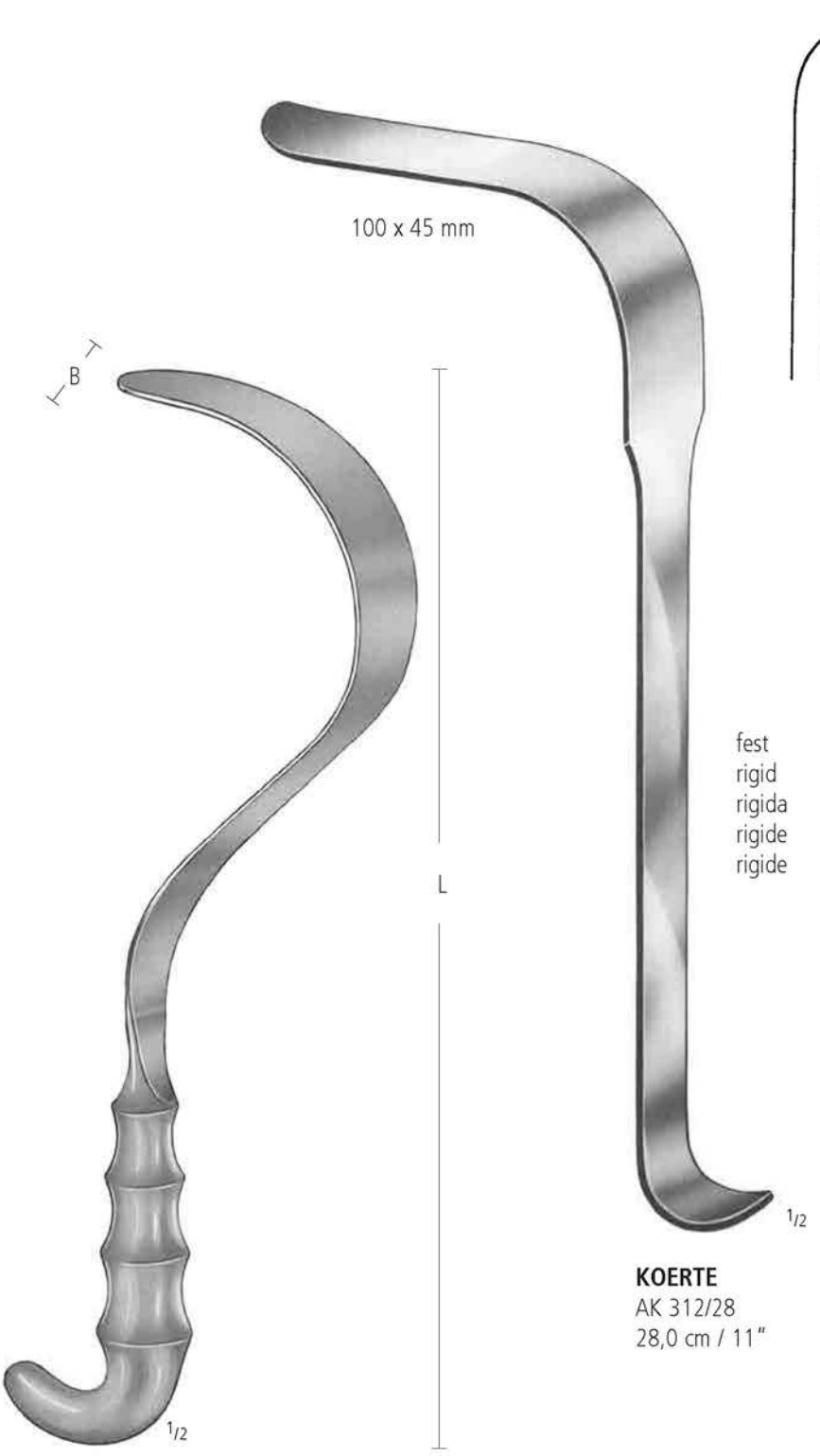

**DEAVER**
AK 300/07
30,0 cm/12"




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




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

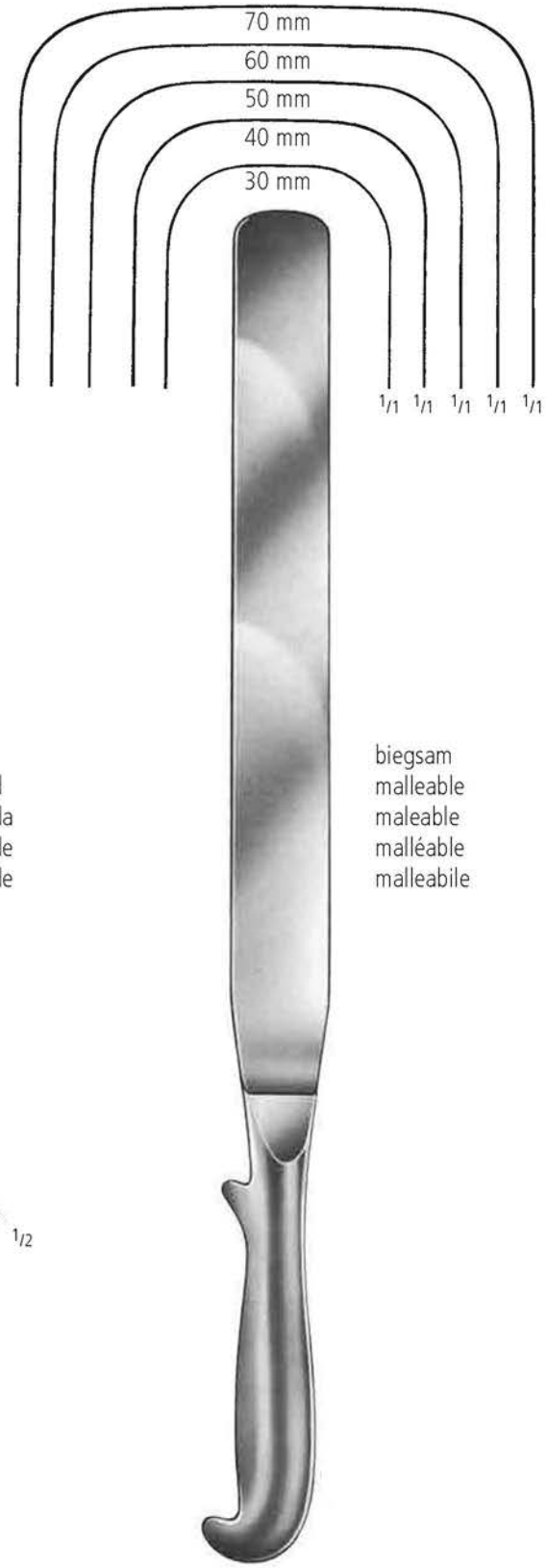



**DEAVER**
AK 310/01-05

| | 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"

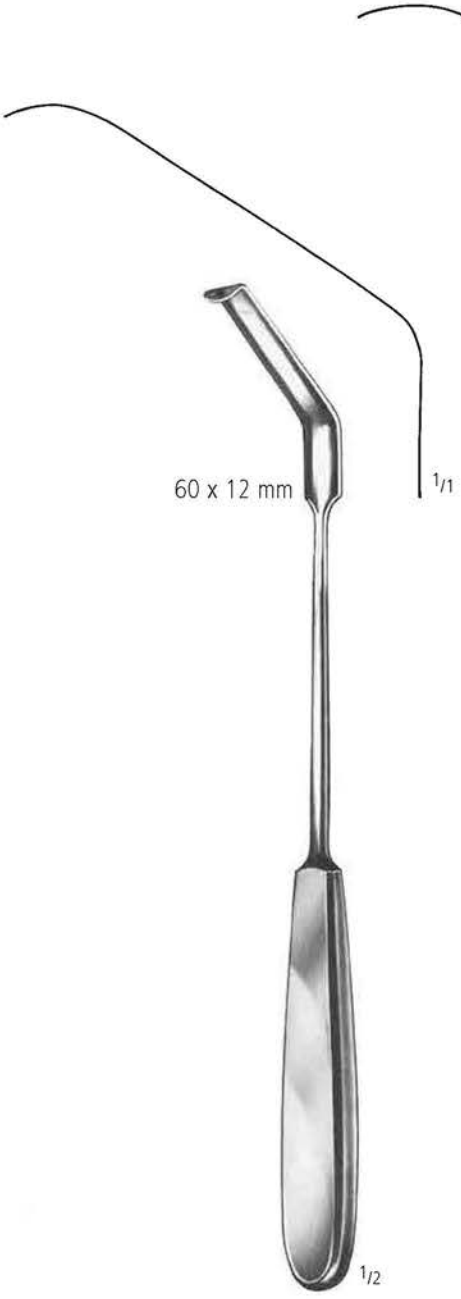



41,0 cm / 16"

| | |
|---|---|
| 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 |



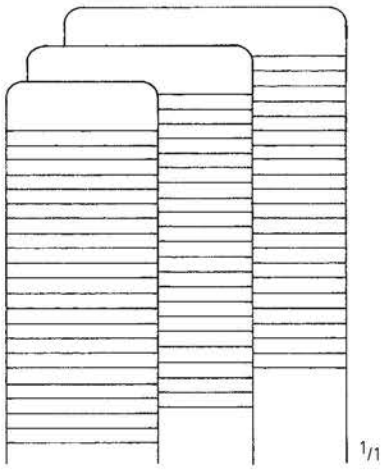

**ZENKER**
AK 318/35
25,0 cm/10"




**ZENKER**
AK 318/60
26,0 cm/10½"



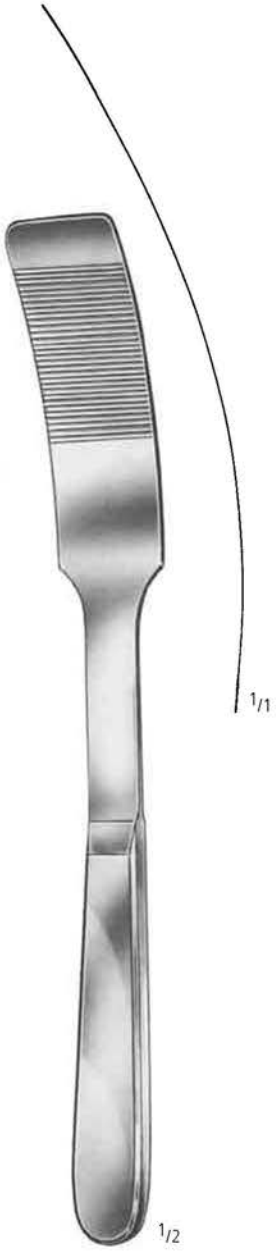

**ZENKER**
AK 318/75
27,5 cm/10¾"




AK 325/20
20 mm

AK 325/30
30 mm

AK 325/40
40 mm




**KADER**
27,0 cm/10¾"




AK 328/22
82 x 22 mm




AK 328/38
115 x 38 mm




AK 328/65
115 x 65 mm

**CORYLLOS**
24,0 cm/9½"




130 x 38 mm

**SAUERBRUCH**
AK 330/25
25,0 cm/10"




75 x 50 mm

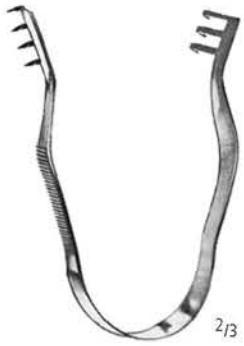
**DAVIDSON**
AK 337/50
16,0 cm/6¼"




75 x 90 mm

**DAVIDSON**
AK 337/90
16,0 cm/6¼"

Selbsthaltende Wundsperrer
Selfretaining Retractors
Separadores autoestaticos
Ecarteurs autostatiques
Divaricatori autostatici




**FINSEN**

| | ∧ | ∩ |
|---|---|---|
| 5,0 cm/2" | AK 500/05 | AK 501/05 |
| 7,0 cm/2¾" | AK 500/07 | AK 501/07 |




| ∧ | ∩ |
|---|---|
| AK 502/10 | AK 503/10 |

10,0 cm/4"




**ALM**

| | ∧ | ∩ |
|---|---|---|
| 7,0 cm/2¾" | AK 506/07 | AK 507/07 |
| 10,0 cm/4" | AK 506/10 | AK 507/10 |




**JANSEN**

| ∧ | ∩ |
|---|---|
| AK 510/10 | AK 511/10 |

10,0 cm/4"




**JANSEN**

| ∧ | ∩ |
|---|---|
| AK 512/10 | AK 513/10 |

10,0 cm/4"




**SNITMAN**

| ∧ | ∩ |
|---|---|
| AK 514/10 | AK 515/10 |

10,5 cm/4¼"

Selbsthaltende Wundsperrer
Selfretaining Retractors
Separadores autoestaticos
Ecarteurs autostatiques
Divaricatori autostatici



# WEITLANER




**WEITLANER-BABY**
AK 519/14
14,0 cm/5½"




**WEITLANER**

| ∧ | ∩ |
|---|---|
| AK 520/13 | AK 521/13 |

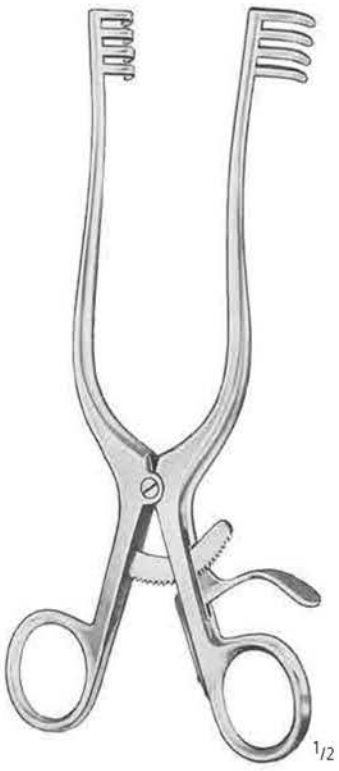
13,0 cm/5"




**WEITLANER**

| | | ∧ | ∩ |
|---|---|---|---|
| 10,5 cm/4¼" | 2 x 3 | AK 522/10 | AK 523/10 |
| 13,0 cm/5" | 3 x 4 | AK 524/13 | AK 525/13 |
| 16,5 cm/6½" | 3 x 4 | AK 526/16 | AK 527/16 |
| 20,0 cm/8" | 3 x 4 | AK 528/20 | AK 529/20 |
| 25,0 cm/10" | 3 x 4 | AK 530/25 | AK 531/25 |
| 26,0 cm/10½" | 5 x 6 | AK 532/26 | AK 533/26 |

Selbsthaltende Wundsperrer
Selfretaining Retractors
Separadores autoestaticos
Ecarteurs autostatiques
Divaricatori autostatici



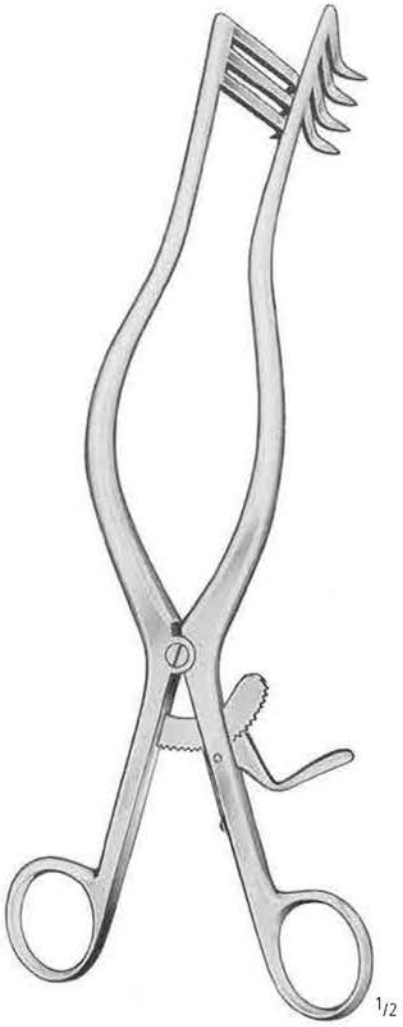

**ADSON**

AK 554/20 AK 555/20
20,0 cm/8"




**ANDERSON-ADSON**

AK 556/20 AK 557/20
20,0 cm/8"




**ADSON**

AK 558/27 AK 559/27
27,0 cm/10¾"

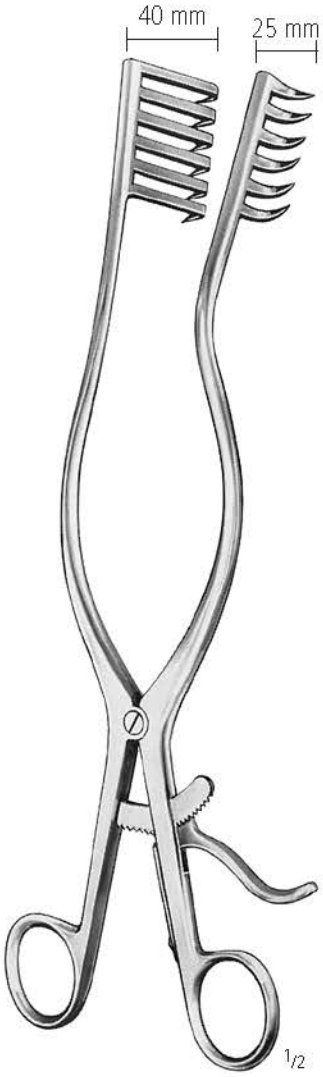
Selbsthaltende Wundsperrer
Selfretaining Retractors
Separadores autoestaticos
Ecarteurs autostatiques
Divaricatori autostatici





1/2

**ADSON**
AK 560/27
27,0 cm/10¾"




1/2

**ADSON-R**
AK 561/01
27,0 cm/10¾"




1/2

**ADSON-L**
AK 561/02
27,0 cm/10¾"

Selbsthaltende Wundsperrer
Selfretaining Retractors
Separadores autoestaticos
Ecarteurs autostatiques
Divaricatori autostatici




**ADSON-BABY**
AK 562/14
14,0 cm/5½"




**CONE**

| | | ∧ | ∩ |
|---|---|---|---|
| 13,0 cm/5" | 3 x 4 | AK 564/13 | AK 565/13 |
| 16,5 cm/6½" | 3 x 4 | AK 564/16 | AK 565/16 |
| 20,0 cm/8" | 3 x 4 | AK 564/20 | AK 565/20 |
| 25,0 cm/10" | 3 x 4 | AK 564/25 | AK 565/25 |

# GEFÄSSINSTRUMENTE UND SONDEN
# VESSEL INSTRUMENTS AND PROBES
# INSTRUMENTAL VASCULAR Y SONDAS
# INSTRUMENTS VAISSEAUX ET SONDES
# STRUMENTI VASCOLARI E SONDE

# AL

nopa® instruments

Weitere Sonden finden Sie in unserem Katalog „Allgemeine Chirurgie" in Gruppe AL.

For further probes kindly refer to our catalogue „General Surgery", section AL.

Para sondas adicionales, por favor consulte nuestro catálogo de „Cirugía general", grupo AL.

Pour des sondes supplémentaires, consultez notre catalogue „Chirurgie Generale", section AL.

Per gli altri sonde, consultare il nostro catalogo „Chirurgia Generale", gruppo AL.

>>

## SONDEN PROBES SONDAS SONDES SONDE

Sonden
Probes
Sondas
Sondes
Sonde





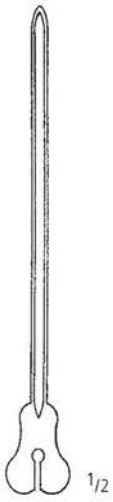


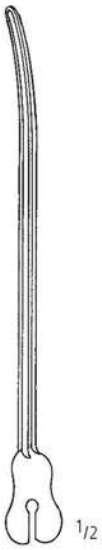



Silber
silver
de plata
en argent
d'argento




| | 1,0 mm | 2,0 mm | | **MYRTLE LEAF** | **STACKE** |
|---|---|---|---|---|---|
| 11,5 cm/4 1/2" | AL 001/11 | AL 002/11 | AL 003/11 | | AL 013/10 |
| 13,0 cm/5" | AL 001/13 | AL 002/13 | AL 003/13 | | 10,5 cm/4 1/4" |
| 14,5 cm/5 3/4" | AL 001/14 | AL 002/14 | AL 003/14 | AL 007/14 | Ø 1,0 mm |
| 16,0 cm/6 1/4" | AL 001/16 | AL 002/16 | AL 003/16 | AL 007/16 | |
| 18,0 cm/7" | AL 001/18 | AL 002/18 | AL 003/18 | AL 007/18 | |
| 20,0 cm/8" | AL 001/20 | AL 002/20 | AL 003/20 | AL 007/20 | |
| 25,0 cm/10" | AL 001/25 | AL 002/25 | AL 003/25 | | |







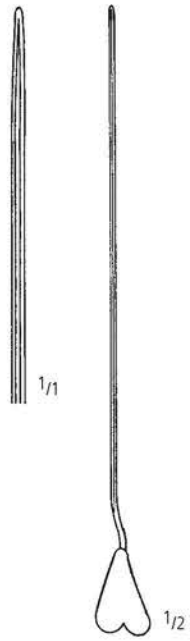



| | | **DOYEN** | | **NELATON** |
|---|---|---|---|---|
| 11,5 cm/4 1/2" | AL 015/11 | | AL 020/11 | |
| 13,0 cm/5" | AL 015/13 | | AL 020/13 | |
| 14,5 cm/5 3/4" | AL 015/14 | AL 017/14 | AL 020/14 | |
| 16,0 cm/6 1/4" | AL 015/16 | | AL 020/16 | AL 022/16 |
| 18,0 cm/7" | AL 015/18 | | AL 020/18 | |
| 20,0 cm/8" | AL 015/20 | | | |

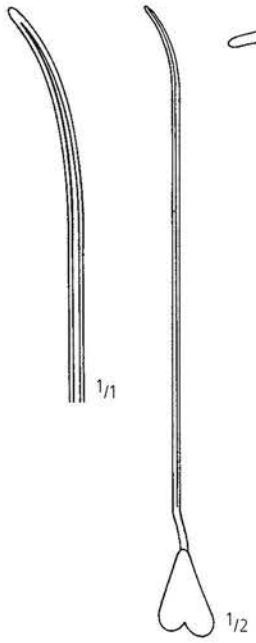
Sonden und Watteträger
Probes and Cotton Applicators
Sondas y Porta-algodones
Sondes et Porte-coton
Sonde e Portacotone



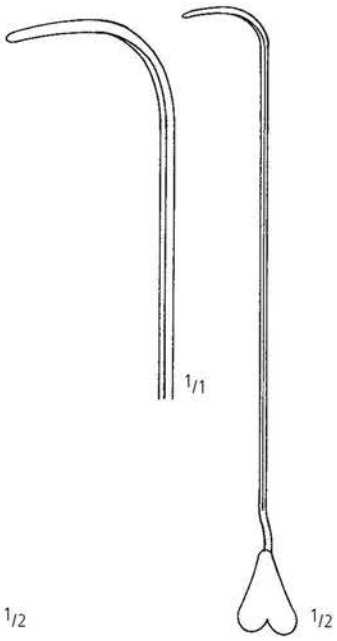

**BRODIE**
AL 026/20
20,0 cm/8"



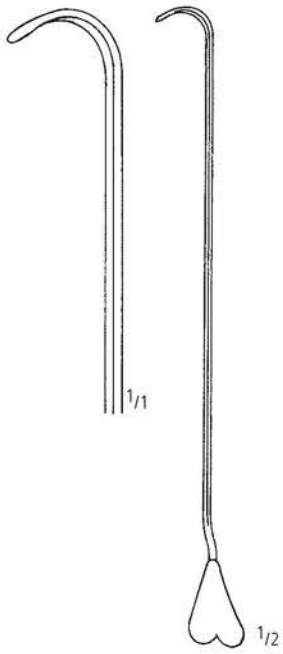

**LOCKHART-MUMMERY**
Fig. 1
AL 030/01




**LOCKHART-MUMMERY**
Fig. 2
AL 030/02




**LOCKHART-MUMMERY**
Fig. 3
AL 030/03



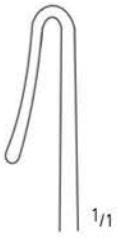

**LOCKHART-MUMMERY**
Fig. 4
AL 030/04



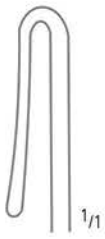
**PRATT**
21,0 cm/8¼"




AL 035/01




AL 035/02




AL 035/03




**FARRELL**

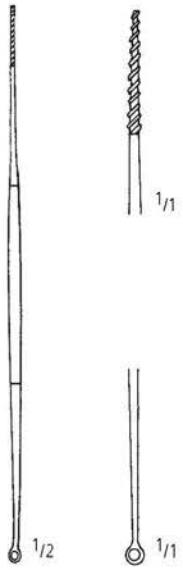
| | 0,9 mm | 1,1 mm | 1,2 mm |
|---|---|---|---|
| 12,0 cm/4¾" | AL 100/12 | | |
| 14,0 cm/5½" | AL 100/14 | | |
| 16,5 cm/6½" | | AL 100/16 | |
| 18,0 cm/7" | | | AL 100/18 |



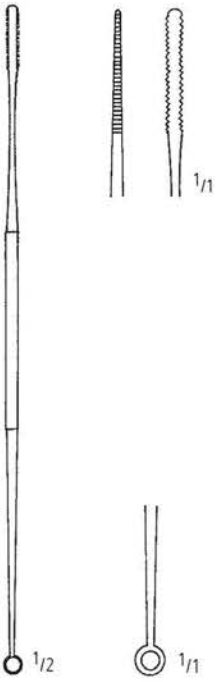

**FARRELL**

| | 0,9 mm | 1,1 mm | 1,2 mm |
|---|---|---|---|
| | AL 120/12 | | |
| | AL 120/14 | | |
| | | AL 120/16 | |
| | | | AL 120/18 |

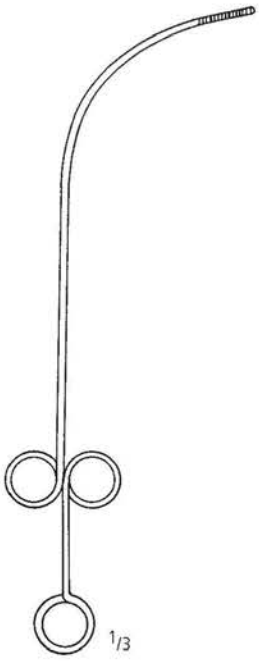
Watteträger und Krampfader-Besteck
Cotton Applicators and Varicose Vein Probe Set
Porta-algodones y sonda para várices
Porte-coton et trousse à varices
Portacotone e astuccio per varici




**UCKERMANN**
AL 160/16
16,0 cm/6¼"




**JOBSON-HORNE**
AL 162/18
18,0 cm/7"




**FEIN**
AL 170/28
28,0 cm/11"



3,0 mm
AL 182/03



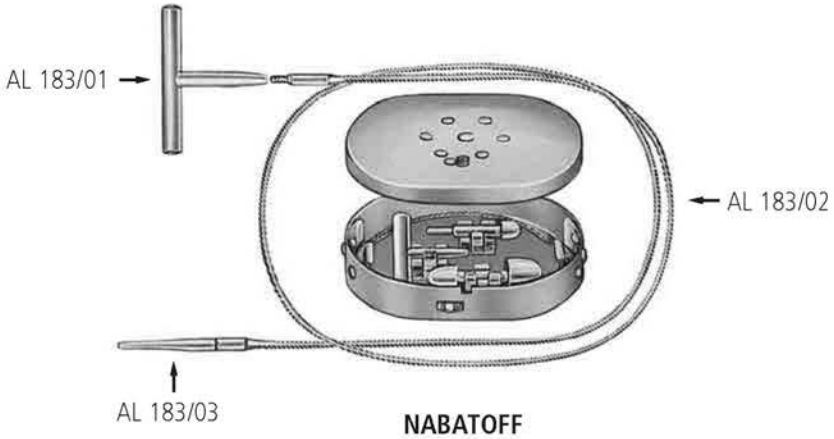
6,0 mm
AL 182/06



9,0 mm
AL 182/09



12,0 mm
AL 182/12




**NABATOFF**
AL 180/00
komplett-complete-completo-complet-completo

Gefäß-Dilatatoren
Vascular Dilators
Dilatadores vasculares
Dilatateurs vasculaires
Dilatatori per vasi




biegsam
malleable
maleables
malléables
malleabili

| | 14,0 cm/5 1/2" | 21,0 cm/8 1/4" |
|---|---|---|
| 1,0 mm | AL 190/10 | AL 192/10 |
| 1,5 mm | AL 190/15 | AL 192/15 |
| 2,0 mm | AL 190/20 | AL 192/20 |
| 2,5 mm | AL 190/25 | AL 192/25 |
| 3,0 mm | AL 190/30 | AL 192/30 |
| 3,5 mm | AL 190/35 | AL 192/35 |
| 4,0 mm | AL 190/40 | AL 192/40 |
| 4,5 mm | AL 190/45 | AL 192/45 |
| 5,0 mm | AL 190/50 | AL 192/50 |

**GARRETT**




biegsam
malleable
maleables
malléables
malleabili

**COOLEY**
13,0 cm/5"

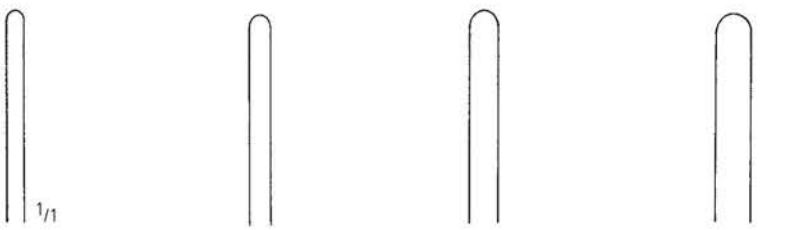



AL 196/05
0,5 mm Ø

AL 196/10
1,0 mm Ø

AL 196/15
1,5 mm Ø

AL 196/20
2,0 mm Ø




AL 196/25
2,5 mm Ø

AL 196/30
3,0 mm Ø

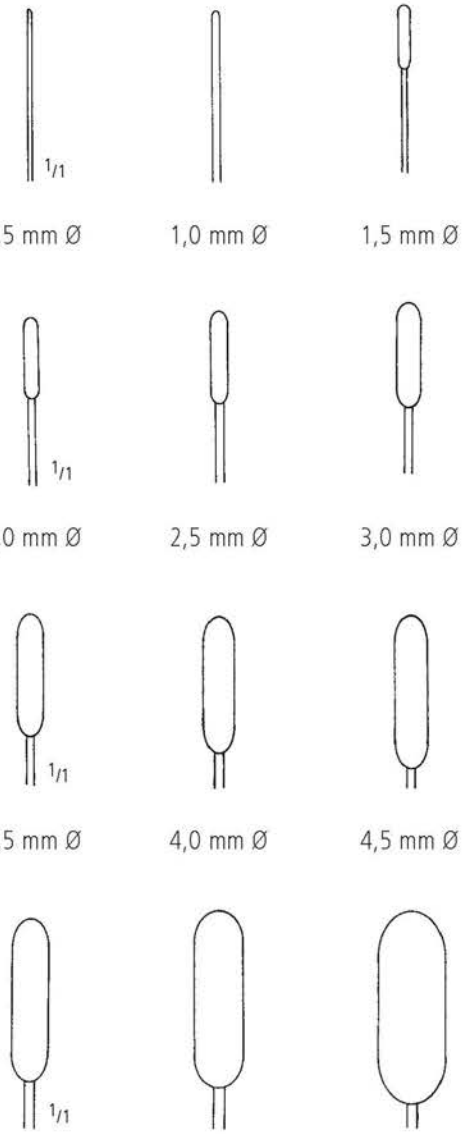
AL 196/40
4,0 mm Ø

AL 196/50
5,0 mm Ø

Gefäß-Dilatatoren
Vascular Dilators
Dilatadores vasculares
Dilatateurs vasculaires
Dilatatori per vasi




**DE BAKEY**




0,5 mm Ø | 1,0 mm Ø | 1,5 mm Ø

2,0 mm Ø | 2,5 mm Ø | 3,0 mm Ø

3,5 mm Ø | 4,0 mm Ø | 4,5 mm Ø

5,0 mm Ø | 7,0 mm Ø | 9,0 mm Ø

biegsam-malleable-maleables-malléables-malleabili

| mm Ø | 19,0 cm / 7½" | 35,0 cm / 14" |
|---|---|---|
| 0,5 | AL 200/05 | AL 201/05 |
| 1,0 | AL 200/10 | AL 201/10 |
| 1,5 | AL 200/15 | AL 201/15 |
| 2,0 | AL 200/20 | AL 201/20 |
| 2,5 | AL 200/25 | AL 201/25 |
| 3,0 | AL 200/30 | AL 201/30 |
| 3,5 | AL 200/35 | AL 201/35 |
| 4,0 | AL 200/40 | AL 201/40 |
| 4,5 | AL 200/45 | AL 201/45 |
| 5,0 | AL 200/50 | AL 201/50 |
| 7,0 | AL 200/70 | AL 201/70 |
| 9,0 | AL 200/90 | AL 201/90 |

Gefäß-Stripper
Vascular Strippers
Desobliteradores de vasos
Tire-veines
Tiravene



50,0 cm / 20"



1/1

AL 220/02
2,0 mm



AL 220/03
3,0 mm



AL 220/04
4,0 mm



1/1

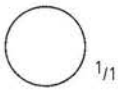
AL 220/06
6,0 mm



AL 220/07
7,0 mm

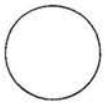


AL 220/08
8,5 mm

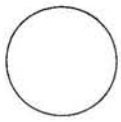


1/1

AL 220/10
10,0 mm



AL 220/12
12,0 mm



AL 220/14
14,0 mm

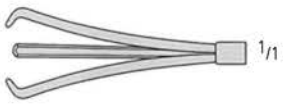


1/2

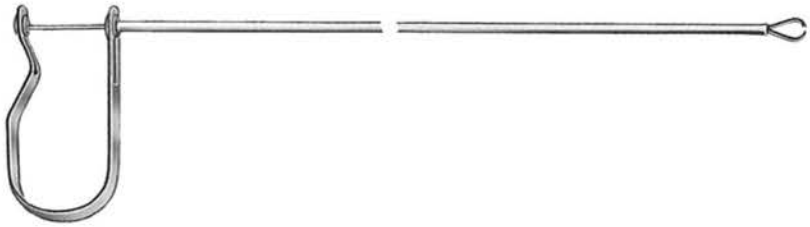
AL 222/12
12,0 cm / 4 3/4"

Fasszangen
Grasping Forceps
Pinzas para coger
Pinces pour saisir
Pinze per afferrare

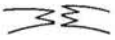



**FRANKENFELDT**
AL 248/36
36,0 cm/14¼"









38,0 cm / 15¼" AL 250/38 AL 251/38 AL 252/38

| | |
|---|---|
| 1,0 mm | KB 100/02 |
| 2,0 mm | KB 100/04 |
| 3,0 mm | KB 100/06 |
| 4,0 mm | KB 100/08 |
| 5,0 mm | KB 100/10 |
| 6,0 mm | KB 100/12 |
| 7,0 mm | KB 100/14 |
| 8,0 mm | KB 100/16 |
| 9,0 mm | KB 100/18 |
| 10,0 mm | KB 100/20 |
| 11,0 mm | KB 100/22 |
| 12,0 mm | KB 100/24 |
| 13,0 mm | KB 100/26 |
| 14,0 mm | KB 100/28 |
| 15,0 mm | KB 100/30 |
| 16,0 mm | KB 100/32 |
| 17,0 mm | KB 100/34 |
| 18,0 mm | KB 100/36 |
| 19,0 mm | KB 100/38 |
| 20,0 mm | KB 100/40 |
| 21,0 mm | KB 100/42 |
| 22,0 mm | KB 100/44 |
| 23,0 mm | KB 100/46 |
| 24,0 mm | KB 100/48 |
| 25,0 mm | KB 100/50 |
| 26,0 mm | KB 100/52 |
| 27,0 mm | KB 100/54 |
| 28,0 mm | KB 100/56 |
| 29,0 mm | KB 100/58 |
| 30,0 mm | KB 100/60 |



1/2

**HEGAR**

| | |
|---|---|
| 1,5 mm | KB 100/03 |
| 2,5 mm | KB 100/05 |
| 3,5 mm | KB 100/07 |
| 4,5 mm | KB 100/09 |
| 5,5 mm | KB 100/11 |
| 6,5 mm | KB 100/13 |
| 7,5 mm | KB 100/15 |
| 8,5 mm | KB 100/17 |
| 9,5 mm | KB 100/19 |
| 10,5 mm | KB 100/21 |
| 11,5 mm | KB 100/23 |
| 12,5 mm | KB 100/25 |
| 13,5 mm | KB 100/27 |
| 14,5 mm | KB 100/29 |
| 15,5 mm | KB 100/31 |
| 16,5 mm | KB 100/33 |
| 17,5 mm | KB 100/35 |
| 18,5 mm | KB 100/37 |
| 19,5 mm | KB 100/39 |

KB 110/14
Satz zu 14 Dilatatoren 4,0 mm - 17,0 mm
Set of 14 dilators 4,0 mm - 17,0 mm
Juego de 14 dilatadores 4,0 mm - 17,0 mm
Jeu de 14 dilatateurs 4,0 mm - 17,0 mm
Serie di 14 dilatatori 4,0 mm - 17,0 mm

KB 110/26
Satz zu 26 Dilatatoren 1,0 mm - 26,0 mm
Set of 26 dilators 1,0 mm - 26,0 mm
Juego de 26 dilatadores 1,0 mm - 26,0 mm
Jeu de 26 dilatateurs 1,0 mm - 26,0 mm
Serie di 26 dilatatori 1,0 mm - 26,0 mm

KB 112/14
Satz zu 14 Dilatatoren 4,0 mm - 17,0 mm
Set of 14 dilators 4,0 mm - 17,0 mm
Juego de 14 dilatadores 4,0 mm - 17,0 mm
Jeu de 14 dilatateurs 4,0 mm - 17,0 mm
Serie di 14 dilatatori 4,0 mm - 17,0 mm



1/3

**HEGAR**



1/2

**HEGAR**

| | |
|---|---|
| 1,0/ 2,0 mm | KB 113/02 |
| 3,0/ 4,0 mm | KB 113/04 |
| 5,0/ 6,0 mm | KB 113/06 |
| 7,0/ 8,0 mm | KB 113/08 |
| 9,0/10,0 mm | KB 113/10 |
| 11,0/12,0 mm | KB 113/12 |
| 13,0/14,0 mm | KB 113/14 |
| 15,0/16,0 mm | KB 113/16 |
| 17,0/18,0 mm | KB 113/18 |
| 19,0/20,0 mm | KB 113/20 |
| 21,0/22,0 mm | KB 113/22 |
| 23,0/24,0 mm | KB 113/24 |
| 25,0/26,0 mm | KB 113/26 |

KB 114/08
Satz zu 8 Dilatatoren 3,0/4,0 mm - 17,0/18,0 mm
Set of 8 dilators 3,0/4,0 mm - 17,0/18,0 mm
Juego 8 dilatadores 3,0/4,0 mm - 17,0/18,0 mm
Jeu de 8 dilatateurs 3,0/4,0 mm - 17,0/18,0 mm
Serie di 8 dilatatori 3,0/4,0 mm - 17,0/18,0 mm

KB 114/13
Satz zu 13 Dilatatoren 1,0/2,0 mm - 25,0/26,0 mm
Set of 13 dilators 1,0/2,0 mm - 25,0/26,0 mm
Juego de 13 dilatadores 1,0/2,0 mm - 25,0/26,0 mm
Jeu de 13 dilatateurs 1,0/2,0 mm - 25,0/26,0 mm
Serie di 13 dilatatori 1,0/2,0 mm - 25,0/26,0 mm



1/3

**HEGAR**

KB 115/08
Satz zu 8 Dilatatoren 3,0/4,0 mm - 17,0/18,0 mm
Set of 8 dilators 3,0/4,0 mm - 17,0/18,0 mm
Juego 8 dilatadores 3,0/4,0 mm - 17,0/18,0 mm
Jeu de 8 dilatateurs 3,0/4,0 mm - 17,0/18,0 mm
Serie di 8 dilatatori 3,0/4,0 mm - 17,0/18,0 mm

# SAUGROHRE UND KANÜLEN
# SUCTION TUBES AND CANNULAE
# TUBOS DE ASPIRACION Y CANULAS
# TUBES D´ASPIRATION ET CANULES
# TUBI D´ASPIRAZIONE E CANNULE

# AO

nopa® instruments

Weitere Instrumente für den Bereich AO finden Sie in unserem Katalog „Allgemeine Chirurgie" in der Gruppe AO.

For further instruments of the section AO kindly refer to our catalogue „General Surgery", section AO.

Para instrumentos adicionales del este grupo AO, por favor consulte nuestro catálogo de „Cirugía general", grupo AO.

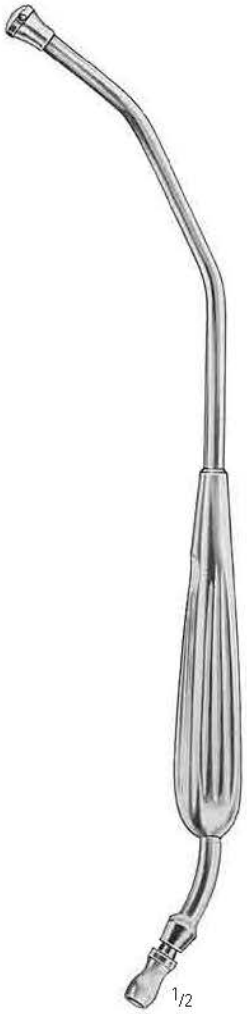
Pour instruments supplémentaires AO, consultez notre catalogue „Chirurgie Generale", section AO.

Per altri strumenti de questo gruppo AO, consultare il nostro catalogo „Chirurgia Generale", gruppo AO.

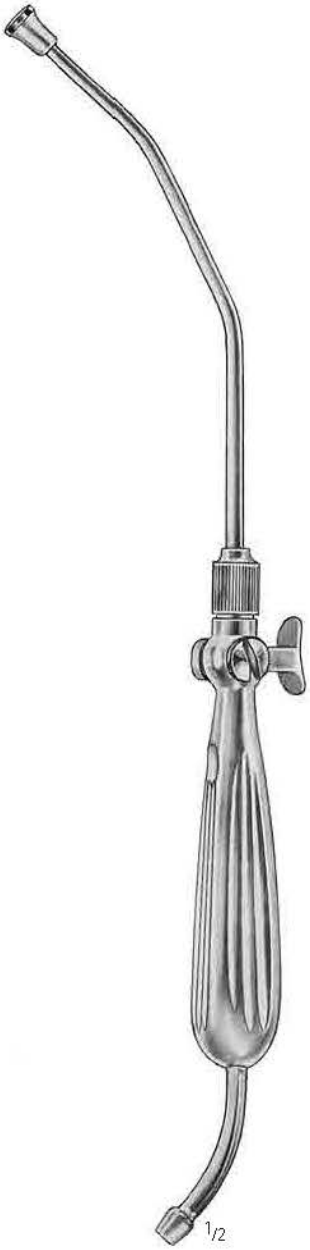
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Saugrohre
Suction Tubes
Tubos de aspiración
Canules d'aspiration
Cannule per aspirazione

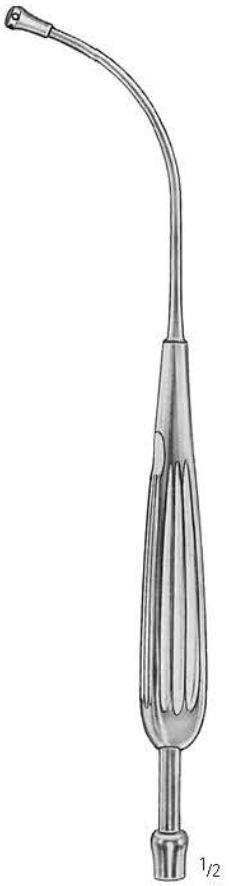





**YANKAUER**
AO 400/00
27,0 cm/11"




**WALTON-YANKAUER**
AO 404/00
32,5 cm/13"

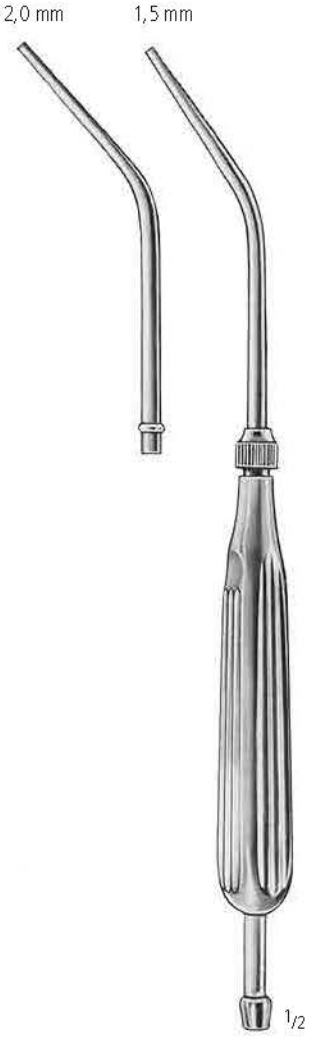



**ANDREWS-PYNCHON**
AO 406/00
23,5 cm/9 1/3"




**DE BAKEY**
AO 408/00
27,5 cm/10 3/4"

Saugrohre
Suction Tubes
Tubos de aspiración
Canules d'aspiration
Cannule per aspirazione




**COUPLAND**
AO 410/00




**BYRD**

| | |
|---|---|
| 1,5 mm | AO 412/15 |
| 2,5 mm | AO 412/25 |
| 3,5 mm | AO 412/35 |




**POOLE**
AO 420/22
10,0 mm

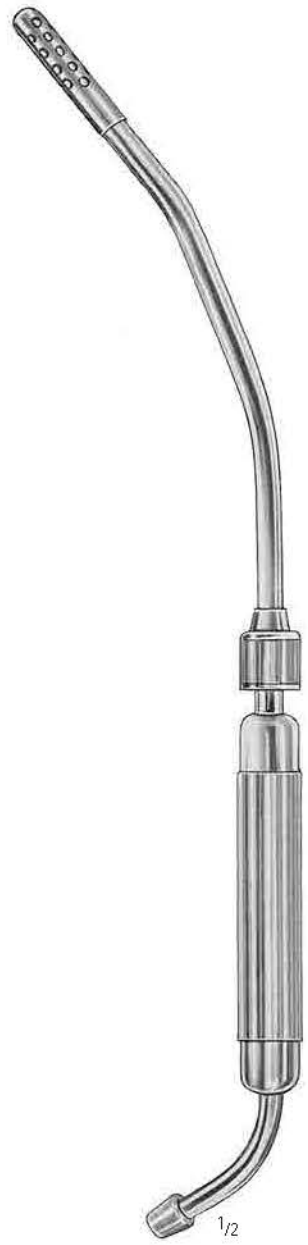



**POOLE**
AO 421/22
8,0 mm




**BABY-POOLE**
AO 422/20
5,5 mm

Saugrohre
Suction Tubes
Tubos de aspiración
Canules d'aspiration
Cannule per aspirazione




**COOLEY**
AO 424/01
33,0 cm/13"




**COOLEY**
AO 424/02
35,0 cm/14"




**COOLEY**
AO 424/03
30,0 cm/12"




**COOLEY**
AO 424/04
31,0 cm/12¼"

Saugrohre
Suction Tubes
Tubos de aspiración
Canules d'aspiration
Cannule per aspirazione




**FRAZIER**

| | |
|---|---|
| 6 Charr. | AO 430/06 |
| 8 Charr. | AO 430/08 |
| 10 Charr. | AO 430/10 |
| 12 Charr. | AO 430/12 |



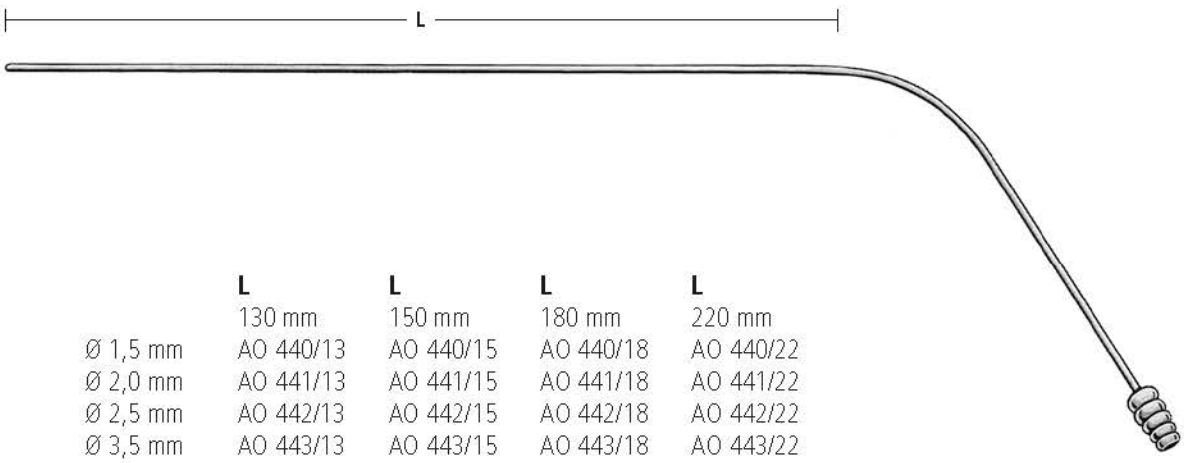

**PLESTER**

| | |
|---|---|
| 1,5 mm | AO 432/15 |
| 2,0 mm | AO 432/20 |
| 2,5 mm | AO 432/25 |
| 3,0 mm | AO 432/30 |




**FERGUSSON**

| | |
|---|---|
| 5 Charr. | AO 434/05 |
| 6 Charr. | AO 434/06 |
| 7 Charr. | AO 434/07 |
| 8 Charr. | AO 434/08 |
| 9 Charr. | AO 434/09 |
| 10 Charr. | AO 434/10 |
| 12 Charr. | AO 434/12 |




| | L 130 mm | L 150 mm | L 180 mm | L 220 mm |
|---|---|---|---|---|
| Ø 1,5 mm | AO 440/13 | AO 440/15 | AO 440/18 | AO 440/22 |
| Ø 2,0 mm | AO 441/13 | AO 441/15 | AO 441/18 | AO 441/22 |
| Ø 2,5 mm | AO 442/13 | AO 442/15 | AO 442/18 | AO 442/22 |
| Ø 3,5 mm | AO 443/13 | AO 443/15 | AO 443/18 | AO 443/22 |




**ADSON**
AO 450/04
21,0 cm/8¼"
Ø 4,0 mm

# KNOCHENINSTRUMENTE
# BONE INSTRUMENTS
# INSTUMENTOS PARA HUESOS
# INSTRUMENTS DES OS
# STRUMENTI PER OSSA

# KA

nopa® instruments


| | | |
|---|---|---|
| Bohrapparate u. Zubehör | Seite | 219-221 |
| Drilling devices and accessories | Page | 219-221 |
| Taladradoras y accesorios | Página | 219-221 |
| Perceuses et accessoires | Page | 219-221 |
| Alesatrici e accessori | Pagina | 219-221 |
| Drahtzangen | Seite | 222-223 |
| Wire forceps | Page | 222-223 |
| Pinzas para hilos | Página | 222-223 |
| Pinces à fil | Page | 222-223 |
| Tenaglie fili | Pagina | 222-223 |
| Hohlmeißel- und Knochensplitterzangen | Seite | 224-232 |
| Bone rongeurs and bone cutting forceps | Page | 224-232 |
| Pinzas gubias y pinzas cortantes para huesos | Página | 224-232 |
| Pinces gouges et pinces coupantes à os | Page | 224-232 |
| Pinze sgorbie e pinze cesoie per ossa | Pagina | 224-232 |


>>

Bohrapparate und Zubehör
Drilling devices and accessories
Taladradoras y accesorios
Perœuses et accessoires
Alesatrici e accessori





KA 120/00
Akku Bohrapparat / Accu power drill

| | |
|---|---|
| Spannung / Voltage | 9,6 Volt |
| Drehzahl / Revolutions | 0-750 U/min |
| Leistung / Power | 130/200 Watt |




KA 121/00
Luft Bohrapparat / Air power drill

| | |
|---|---|
| Drehzahl / Revolutions | 600 U/min |
| Druck / Compression | 6,5 bar |

Zubehör für KA 120/00 und KA 121/00
Accessories for KA 120/00 and KA 121/00
Accesorios para KA 120/00 y KA 121/00
Accessoires pour KA 120/00 et KA 121/00
Accessori per KA 120/00 e KA 121/00



KA 122/10
Adapter mit Jacobs Spannfutter
Adapter with Jacobs chuck



KA 122/11
Adapter für AO Schaft
Adapter for AO shank



KA 122/13
Adapter für DIN Schaft
Adapter for DIN shank



KA 122/14
Adapter für Harris Schaft
Adapter for Harris shank



KA 122/15
Adapter für Hudson Schaft
Adapter for Hudson shank



KA 122/16
Schnellspannfutter für Kirschnerdrähte 0,8 bis 3,0 mm
Quick-action chuck for Kirschner wires 0,8 to 3,0 mm



KA 123/01
Osteotomie Säge oszillierend
Sagittal saw oscillating



KA 123/02
Sternum Säge
Sternum Saw

Ladegerät / Akku
Charger / Battery
Cargador / acumulador
Chargeur d'accus / accumulateur
Caricabatteria / accumulatore



KA 124/01
Ladegerät Netzspannung 115V / 240V Ladezeit 60 min
Charger main voltage 115V / 240V charging time 60 min



KA 124/02
Ladegerät für 2 Akkus Netzspannung 115V / 240V Ladezeit 60 min
Charger for 2 batteries main voltage 115V / 240V Charging time 60 min



KA 124/10
9,6V 2600mAh



KA 124/11
12V 2600mAh

Drahtzangen
Wire Forceps
Pinzas para hilos
Pinces à fil
Tenaglie fili




KA 270/15
15,0 cm/6"




KA 271/16
16,0 cm/6 1/4"




KA 272/18
18,0 cm/7"

für weiche Drähte bis 2,0 mm Ø
for soft wires up to 2,0 mm Ø
para hilos blandos hasta 2,0 mm de Ø
pour fils mous jusqu'à 2,0 mm de Ø
per fili morbidi sino a mm 2,0 di Ø

für harte Drähte bis 1,5 mm Ø
for hard wires up to 1,5 mm Ø
para hilos duros hasta 1,5 mm de Ø
pour fils durs jusqu'à 1,5 mm de Ø
per fili duri sino a mm 1,5 di Ø

nopa TUC




KA 273/17
17,0 cm/6 3/4"

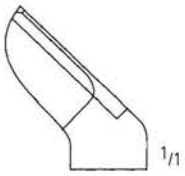



für weiche Drähte bis 2,0 mm Ø
for soft wires up to 2,0 mm Ø
para hilos blandos hasta 2,0 mm de Ø
pour fils mous jusqu'à 2,0 mm de Ø
per fili morbidi sino a mm 2,0 di Ø

für harte Drähte bis 1,6 mm Ø
for hard wires up to 1,6 mm Ø
para hilos duros hasta 1,6 mm de Ø
pour fils durs jusqu'à 1,6 mm de Ø
per fili duri sino a mm 1,6 di Ø




KA 273/22
22,0 cm/8 3/4"




für Drähte bis 2,5 mm Ø
for wires up to 2,5 mm Ø
para hilos hasta 2,5 mm de Ø
pour fils jusqu'à 2,5 mm de Ø
per fili sino a mm 2,5 di Ø

Drahtzangen
Wire Forceps
Pinzas para hilos
Pinces à fil
Tenaglie fili

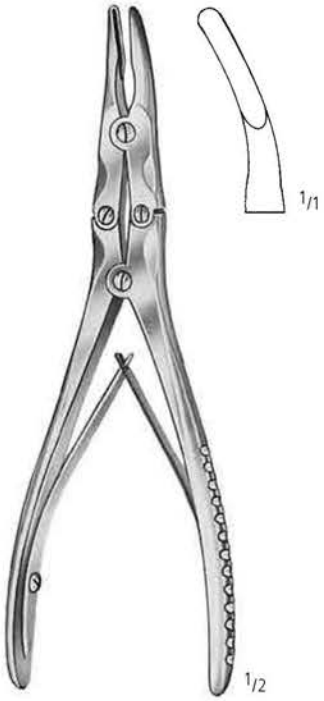



KA 275/47
47,0 cm/18½"

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinces-gouges
Pinze-sgorbie



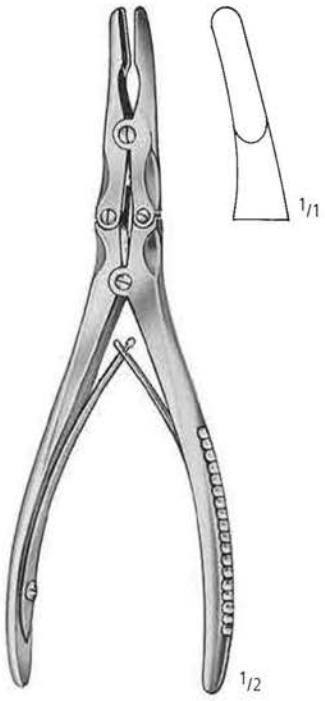

**MARQUARDT**
KA 821/20
20,0 cm/8"



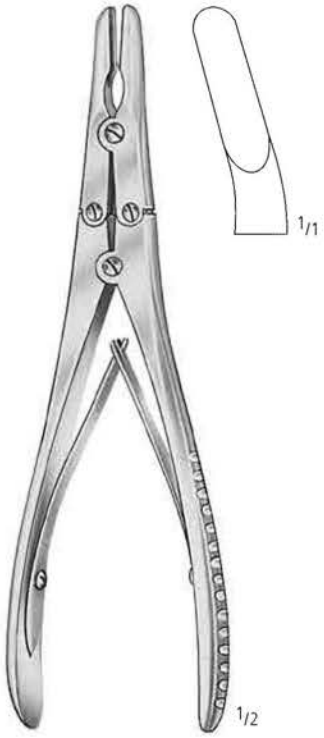

**MAYFIELD**
KA 823/17
17,0 cm/6¾"




**BEYER**
KA 830/18
18,0 cm/7"



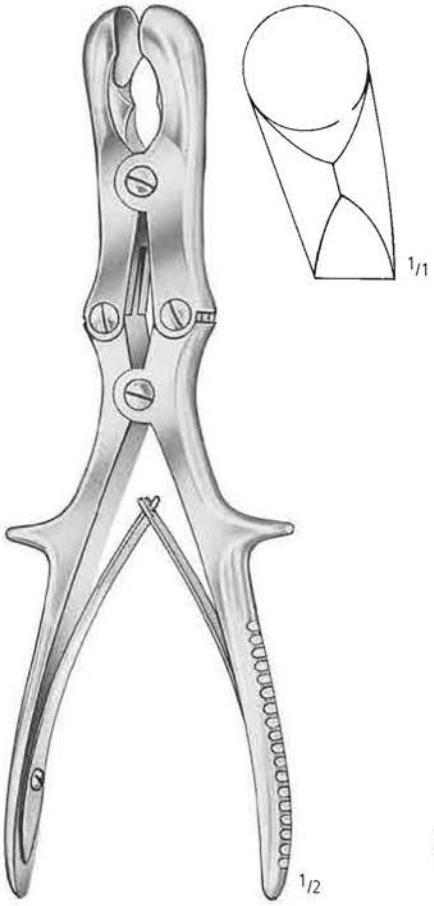

**ZAUFAL-JANSEN**
KA 835/18
18,0 cm/7"




**RUSKIN**
KA 836/18
18,0 cm/7"

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinces-gouges
Pinze-sgorbie






**SEMB**
KA 838/22
22,5 cm/9"




**STILLE**
KA 840/23
23,0 cm/9"




**STILLE-RUSKIN**
KA 841/23
23,0 cm/9"

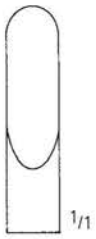
Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinces-gouges
Pinze-sgorbie



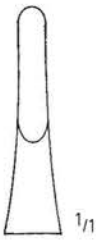

**ROETTGEN-RUSKIN**
KA 845/24
24,0 cm/9 1/2"



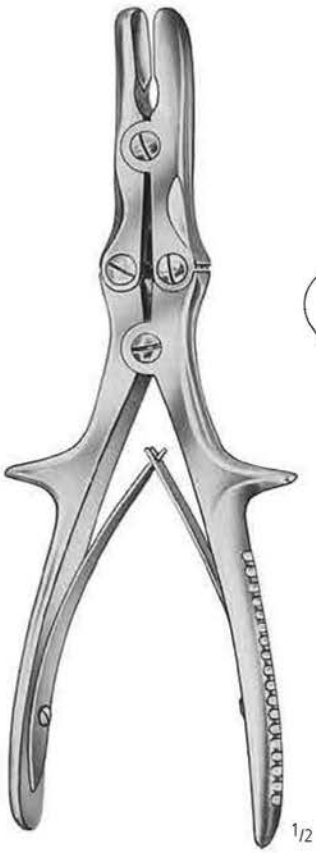

**LEKSELL-STILLE**
24,0 cm/9 1/2"




KA 848/01
8 mm



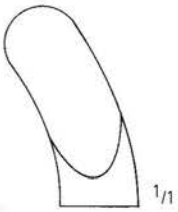

KA 848/02
4 mm




**STILLE-LUER**
22,0 cm/8 3/4"



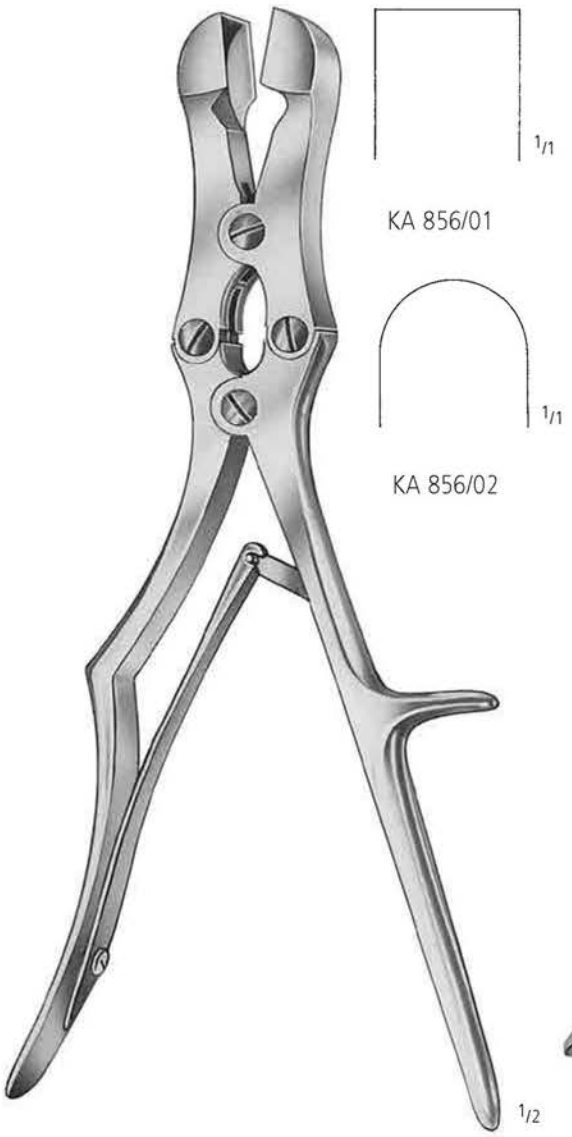

KA 852/22




KA 853/22

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinces-gouges
Pinze-sgorbie





1/1

KA 856/01

1/1

KA 856/02

1/2

**SAUERBRUCH**
30,0 cm/12″



1/1

1/2

**FRYKHOLM**
KA 859/23
23,0 cm/9″



1/2

**ECHLIN**
23,0 cm/9″



1/1

KA 860/01
2 x 10 mm



1/1

KA 860/02
3 x 10 mm



1/1

KA 860/03
4 x 10 mm

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinces-gouges
Pinze-sgorbie



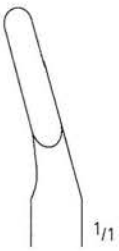

**RUSKIN**
KA 862/23
23,0 cm/9″



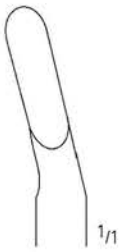

**SMITH-PETERSON**
24,0 cm/9½″



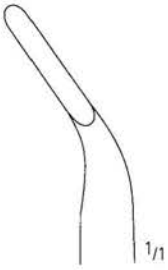

KA 863/03
3 mm



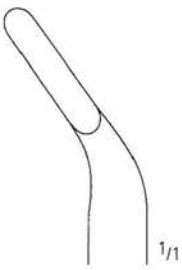

KA 863/04
4 mm



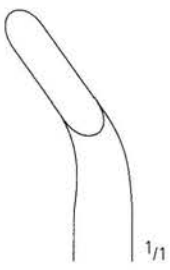

KA 863/05
5 mm




KA 863/13
3 mm

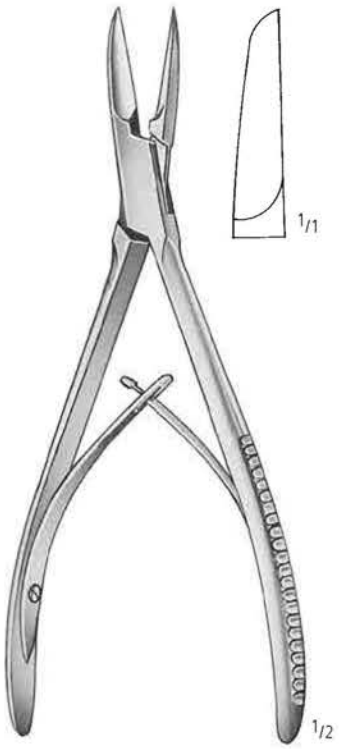



KA 863/14
4 mm

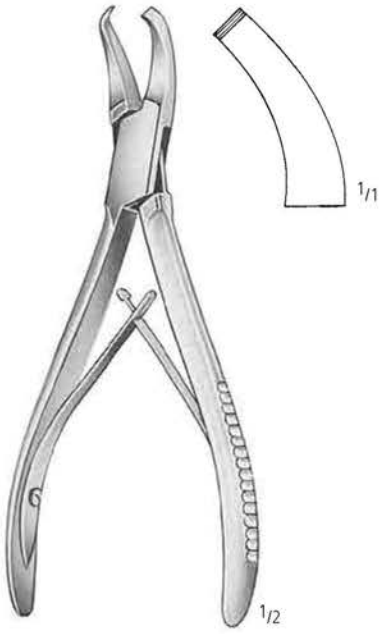



KA 863/15
5 mm

Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos
Pinces coupantes à os
Cesoie per ossa



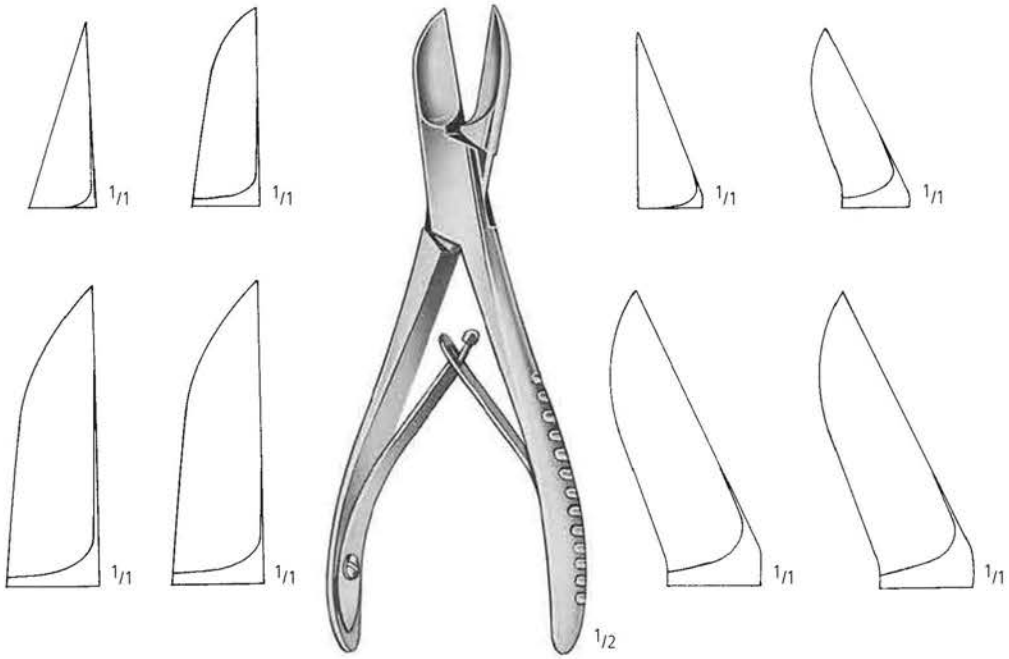

**COTTLE KAZANJIAN**
KA 870/19
19,0 cm/7½"




**CLEVELAND-GARDNER**
KA 872/16
18,0 cm/6¼"




**MARKWALDER**
KA 874/20
20,0 cm/8"




KA 880/14
KA 880/17
KA 880/19
KA 880/22

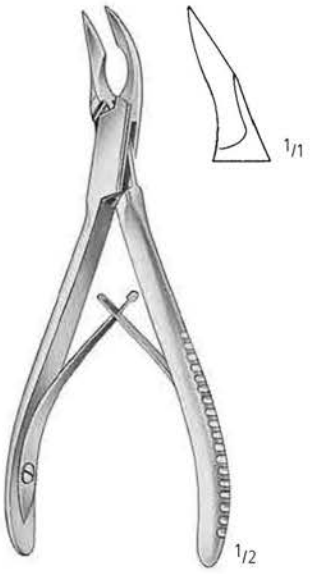
**LISTON**
14,0 cm/5½"
17,0 cm/6¾"
19,0 cm/7½"
22,0 cm/8¾"

KA 881/14
KA 881/17
KA 881/19
KA 881/22

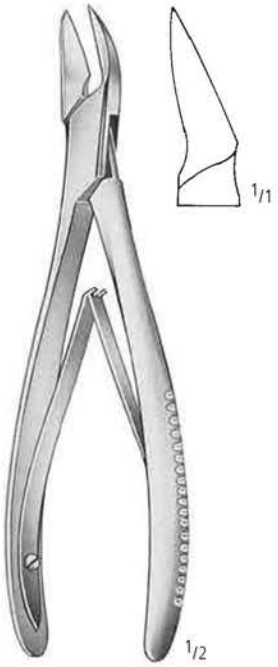



**LITTAUER-LISTON**
KA 882/15
15,0 cm/6"

Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos
Pinces coupantes à os
Cesoie per ossa



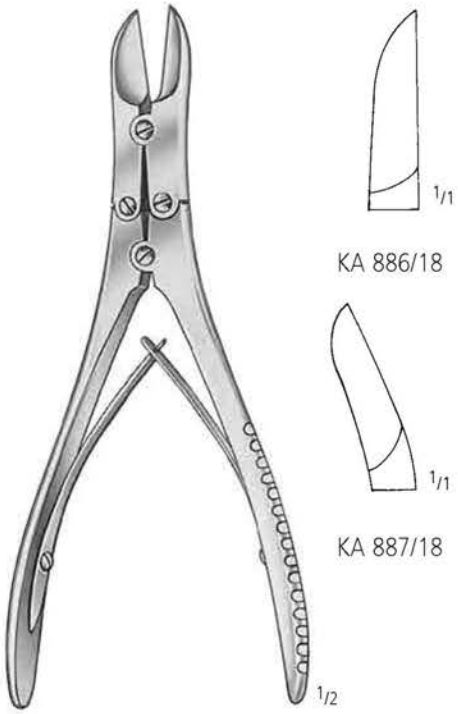

**CLEVELAND**
KA 884/15
15,0 cm/6"




**CLEVELAND**
KA 884/17
17,0 cm/6¾"




KA 885/12
12,0 cm/4¾"







KA 886/18

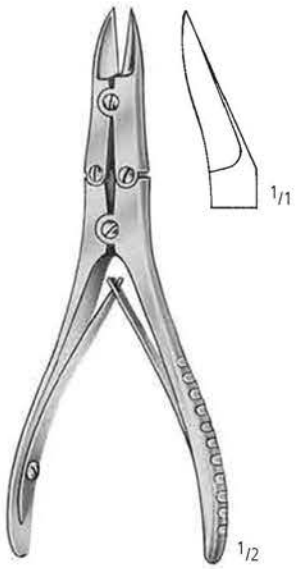



KA 887/18

**RUSKIN-LISTON**
18,5 cm/7¼"



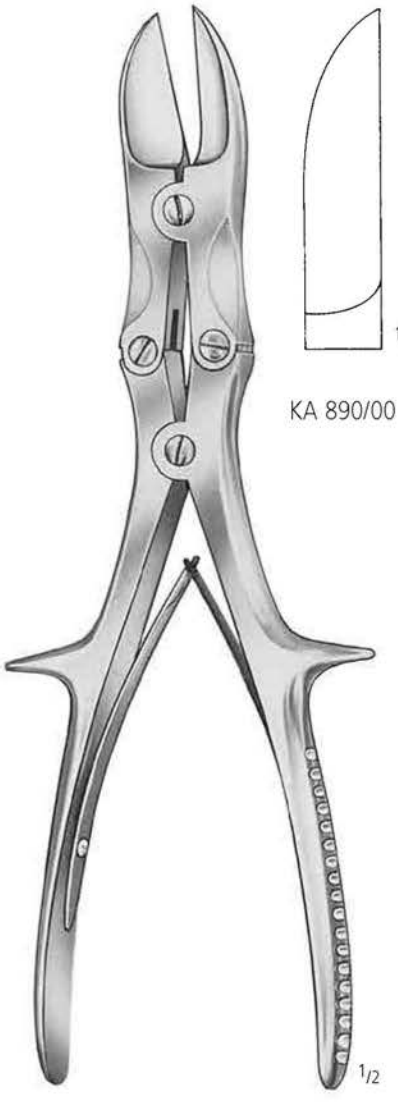

**MC INDOE**
KA 888/17
17,5 cm/7"




**WALTON-LISTON**
KA 889/01
15,0 cm/6"

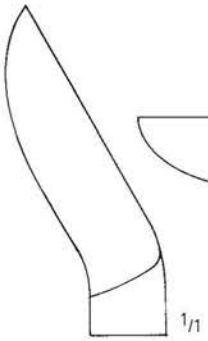
Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos
Pinces coupantes à os
Cesoie per ossa



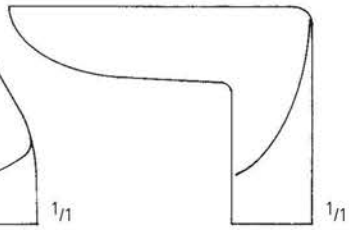





KA 890/00




KA 890/30



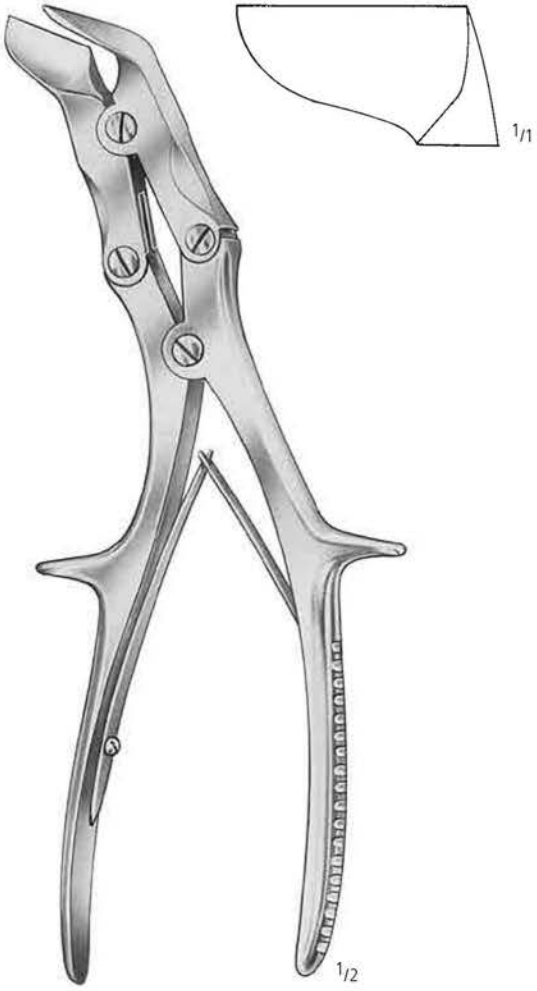

KA 890/90

**STILLE-LISTON**
27,0 cm/10 1/2"

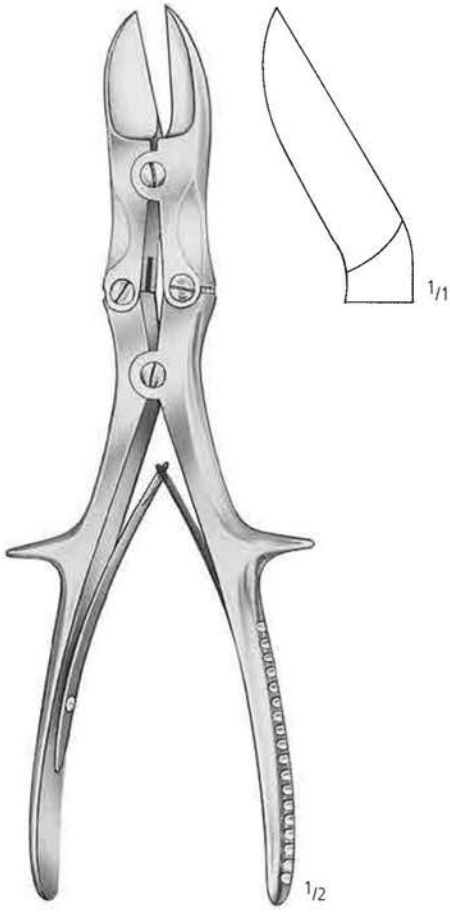



**LISTON-KEY (TUDOR-EDWARDS)**
KA 892/27
27,0 cm/10 1/2"

Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos
Pinces coupantes à os
Cesoie per ossa




**SEMB**
KA 893/24
24,0 cm/9 1/2"




**LISTON**
KA 894/23
23,5 cm/9 1/4"

# HERZ/THORAX
# CARDIOVASCULAR
# CARDIOVASCULAR
# CARDIOVASCULAIRE
# CARDIOVASCOLARE

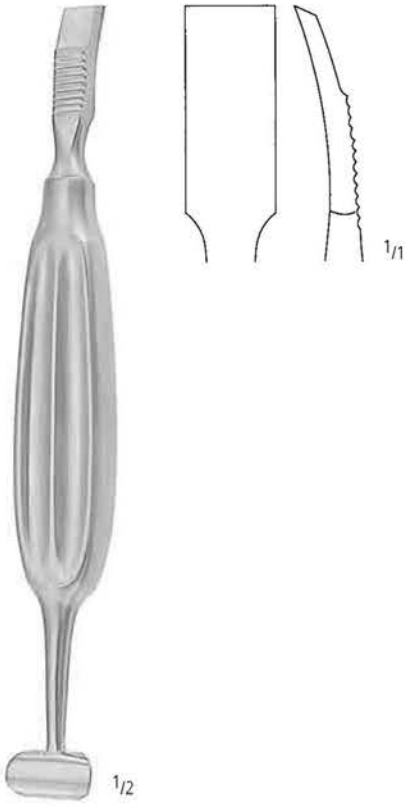
# KK

nopa® instruments

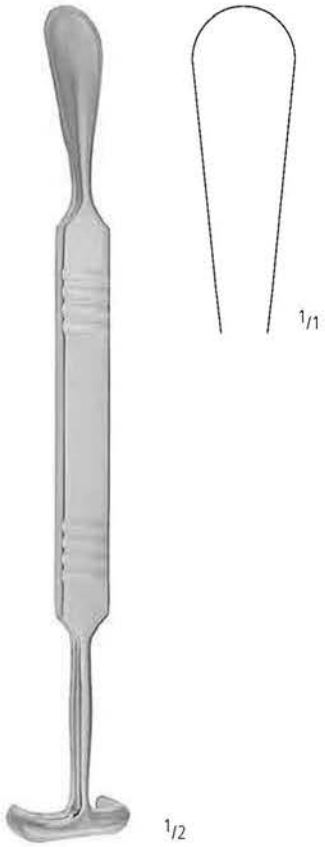

| | | |
|---|---|---|
| Rippen-Instrumente | Seite | 235-238 |
| Rib Instruments | Page | 235-238 |
| Instrumentos costales | Página | 235-238 |
| Instruments des côtes | Page | 235-238 |
| Strumenti per costali | Pagina | 235-238 |
| Rippensperrer | Seite | 239-250 |
| Rib Spreaders | Page | 239-250 |
| Separadores costales | Página | 239-250 |
| Ecarteurs des côtes | Page | 239-250 |
| Divaricatori costali | Pagina | 239-250 |
| Clips, Bulldogklemmen | Seite | 257-263 |
| Clips, Bulldog Clamps | Page | 257-263 |
| Clips, Clamps Bulldog | Página | 257-263 |
| Clips, Clamps Bulldog | Page | 257-263 |
| Clips, Pinze Bulldog | Pagina | 257-263 |
| Atrauma-Klemmen | Seite | 260-296 |
| Atrauma Forceps | Page | 260-296 |
| Pinzas Atrauma | Página | 260-296 |
| Pinces atraumatiques | Page | 260-296 |
| Pinze Atrauma | Pagina | 260-296 |


>>

Rippen-Raspatorien
Costal periosteotomes
Periostótomos para costillas
Rugines raspatoires
Periostotomi costali




**ALEXANDER**
KK 001/20
20,0 cm/8"




**MATSON**
KK 002/22
22,0 cm/8¾"




**DOYEN**
KK 004/01
17,0 cm/6¾"

**DOYEN**
KK 004/02
17,0 cm/6¾"



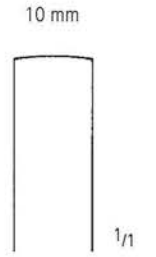

**DOYEN**
KK 004/03
18,0 cm/7"

**DOYEN**
KK 004/04
18,0 cm/7"

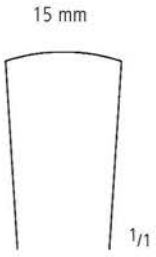
Rippen-Raspatorien
Costal periosteotomes
Periostótomos para costillas
Rugines raspatoires
Periostotomi costali



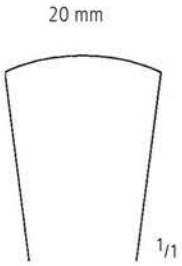

**LAMBOTTE**
21,0 cm/8¼"



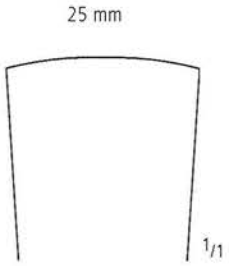

KK 006/10




KK 006/15




KK 006/20




KK 006/25




**SEMB**




KK 008/01
17,5 cm/7"




KK 008/02
21,0 cm/8¼"




KK 008/03
17,5 cm/7"




KK 008/04
21,0 cm/8¼"




KK 008/05
20,5 cm/8"

Knochen- und Rippenscheren
Bone and Rib Shears
Cizallas para huesos, Costotomos
Cisailles pour os, Costotomes
Pinze per ossa e costole, Costotomi




KK 010/23
23,0 cm/9"




KK 011/22
22,0 cm/8¾"




**GLUCK**
KK 013/22
22,0 cm/8¾"




**BETHUNE**
KK 018/34
34,0 cm/13½"




**SAUERBRUCH**
KK 019/26
26,0 cm/10¼"




**CORYLLOS**
KK 021/35
35,0 cm/13¾"




KK 023/35
35,0 cm/13¾"

Knochen- und Rippenscheren
Bone and Rib Shears
Cizallas para huesos, Costotomos
Cisailles pour os, Costotomes
Pinze per ossa e costole, Costotomi




**GIERTZ-STILLE**
KK 024/27
27,0 cm/10½"




**BRUNNER**




KK 027/32
32,0 cm/12½"




KK 029/32
32,0 cm/12½"



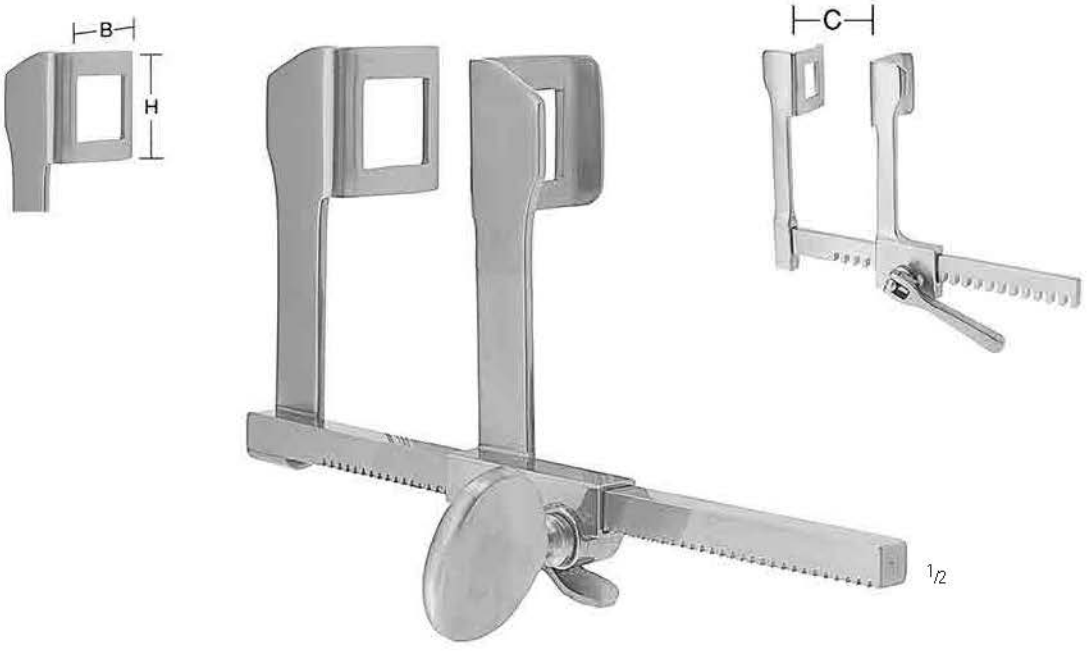

**LEBSCHE**
KK 040/25
25,0 cm/10"

Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali



1/2

| B | H | C | |
|---|---|---|---|
| 40 mm | 150 mm | 110 mm | **I.M.A. MAMMARIA RETRACTOR** KK 056/00 |




1/2

| B | H | C | |
|---|---|---|---|
| 30 mm | 30 mm | 90 mm | **HAIGHT** KK 080/00 |

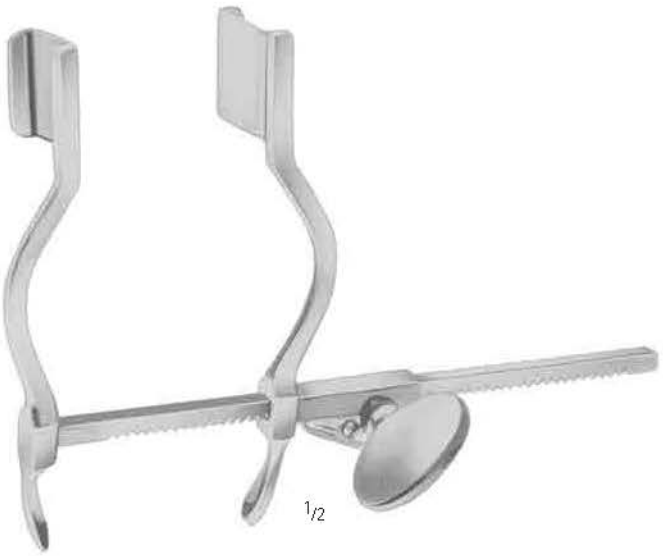
Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali




| B | H | C | **TUFFIER** |
|---|---|---|---|
| 45 mm | 45 mm | 160 mm | KK 084/16 |




| B | H | C | **BADGLEY** |
|---|---|---|---|
| 44 mm | 48 mm | 178 mm | KK 086/18 |




| B | H | C | **HERTZLER** |
|---|---|---|---|
| 20 mm | 25 mm | 105 mm | KK 088/10 |

Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali






| B | H | C | **FINOCCHIETTO-BABY** |
|---|---|---|---|
| 18 mm | 20 mm | 75 mm | KK 090/07 |




| B | H | C | **FINOCCHIETTO** |
|---|---|---|---|
| 30 mm | 45 mm | 150 mm | KK 092/01 |
| 46 mm | 62 mm | 190 mm | KK 092/02 |
| 80 mm | 65 mm | 190 mm | KK 092/03 |

Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali

# ALUMINIUM






| B | H | C | **ANKENEY** |
|---|---|---|---|
| 19 mm | 25 mm | 127 mm | KK 093/04 |

Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali

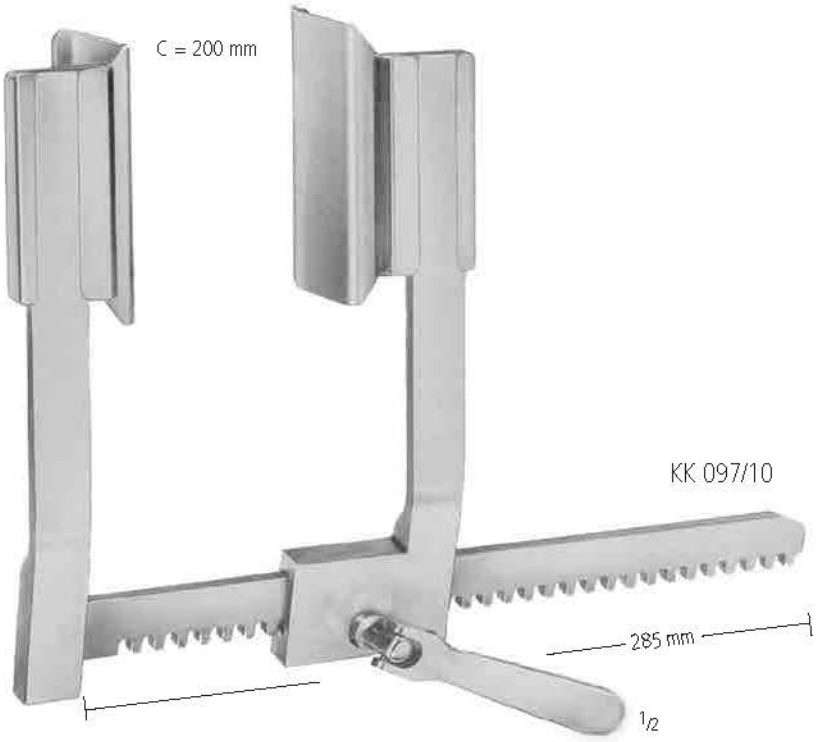


1/2

| B | H | C | **ANKENEY** |
|---|---|---|---|
| 35 mm | 32 mm | 178 mm | KK 093/06 |


mm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
inch 1 2 3 4 5 6 7 8 9 10

Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali




KK 097/10

**DE BAKEY**
KK 097/00 = 1 x KK 097/10
+ 2 x KK 097/01
+ 2 x KK 097/02
+ 2 x KK 097/03



KK 097/01
60 x 60 mm



KK 097/02
50 x 80 mm



KK 097/03
40 x 100 mm

Sternotomy

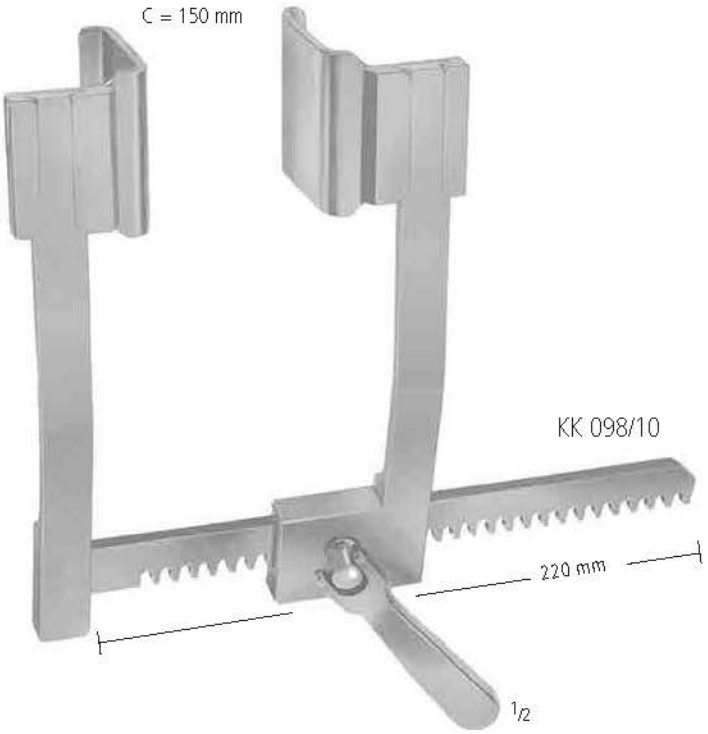


KK 097/05
50 x 66 mm



KK 097/04
80 x 60 mm

Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali




**DE BAKEY**
KK 098/00 = 1 x KK 098/10
+ 2 x KK 098/01
+ 2 x KK 098/02
+ 2 x KK 098/03



KK 098/01
30 x 30 mm



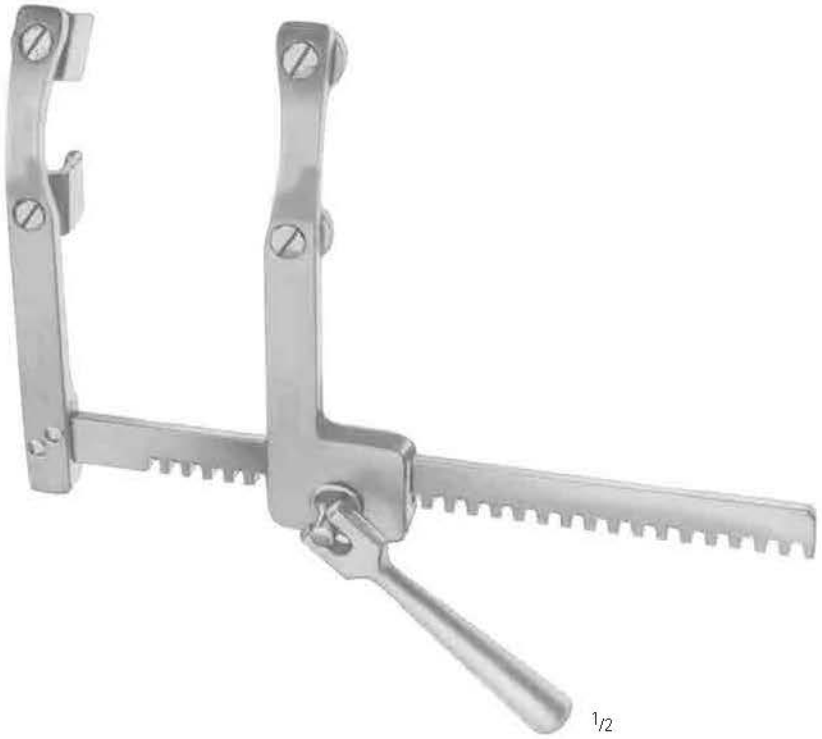
KK 098/02
40 x 40 mm



KK 098/03
50 x 50 mm

Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali





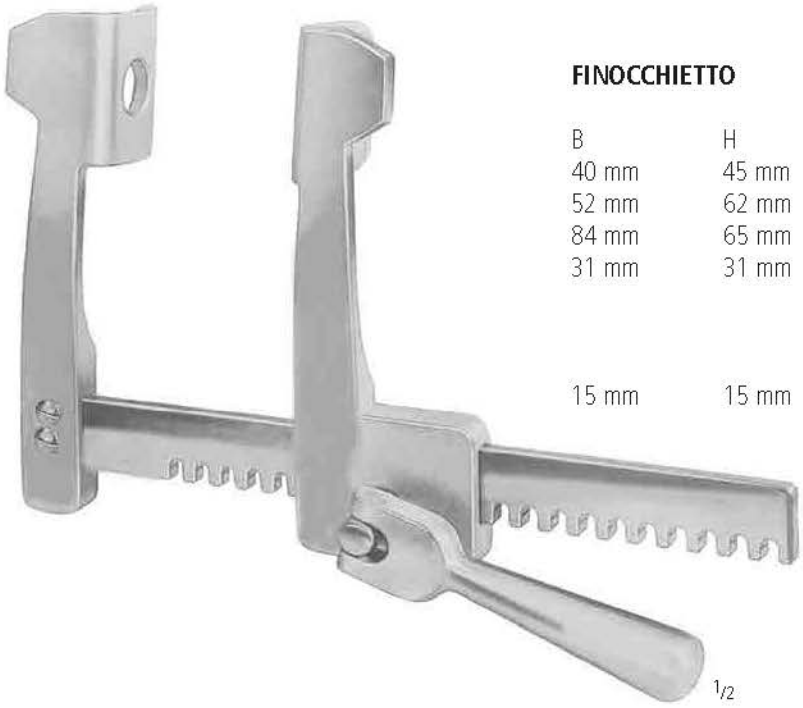
1/2

**MORSE FAVALORO**

| B | H | C | |
|---|---|---|---|
| 19 mm | 29 mm | 200 mm | KK 099/01 |
| 12 mm | 20 mm | 200 mm | KK 099/02 |

Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali

# ALUMINIUM



1/2

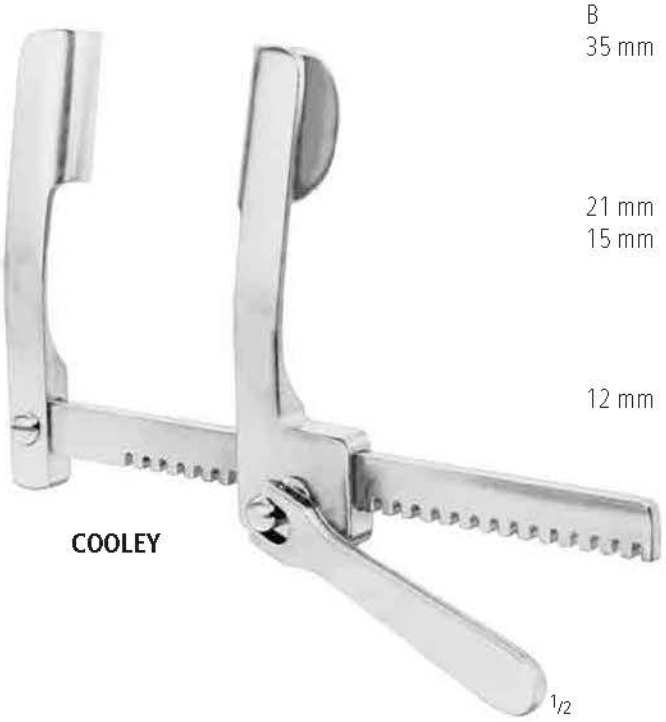
**FINOCCHIETTO**

| B | H | C | |
|---|---|---|---|
| 40 mm | 45 mm | 135 mm | KK 100/01 |
| 52 mm | 62 mm | 175 mm | KK 100/02 |
| 84 mm | 65 mm | 175 mm | KK 100/03 |
| 31 mm | 31 mm | 100 mm | KK 102/30 |
| 15 mm | 15 mm | 75 mm | KK 104/00 |



Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali

# ALUMINIUM



COOLEY

1/2

| B | H | C | |
|---|---|---|---|
| 35 mm | 50 mm | 200 mm | KK 106/01 |
| 21 mm | 44 mm | 150 mm | KK 106/02 |
| 15 mm | 30 mm | 140 mm | KK 106/03 |
| 12 mm | 16 mm | 95 mm | KK 106/04 |







CASTANEDA

1/2

| B | H | C | |
|---|---|---|---|
| 15 mm | 60 mm | 120 mm | KK 110/01 |
| 12 mm | 45 mm | 70 mm | KK 110/02 |
| 10,5 mm | 32 mm | 65 mm | KK 110/03 |





Rippensperrer
Rib Spreaders
Separadores costales
Ecarteurs des côtes
Divaricatori costali

# ALUMINIUM



1/2



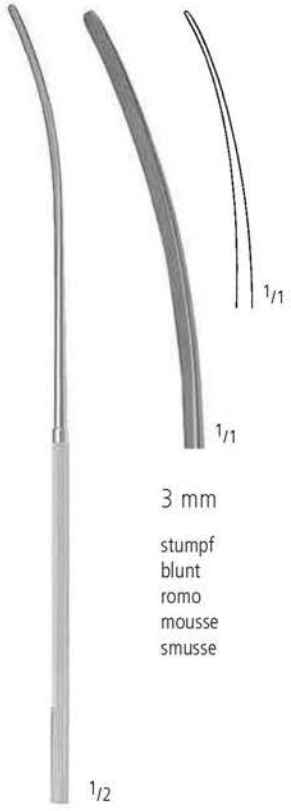
mit 2 Paar Valven
with 2 pairs of blades
con 2 pares de valvas
avec 2 paires des valves
con 2 paia di valve

**BURFORD**

| B | H | C | |
|---|---|---|---|
| 65 mm | 62 mm | | |
| 47 mm | 62 mm | 200 mm | KK 120/01 |
| 65 mm | 62 mm | | |
| 47 mm | 62 mm | 250 mm | KK 120/02 |
| 65 mm | 62 mm | | |
| 47 mm | 62 mm | 300 mm | KK 120/03 |
| 48 mm | 42 mm | | |
| 34 mm | 42 mm | 135 mm | KK 120/04 |



Spatel
Spatulas
Espátulas
Spatules
Spatole




3 mm

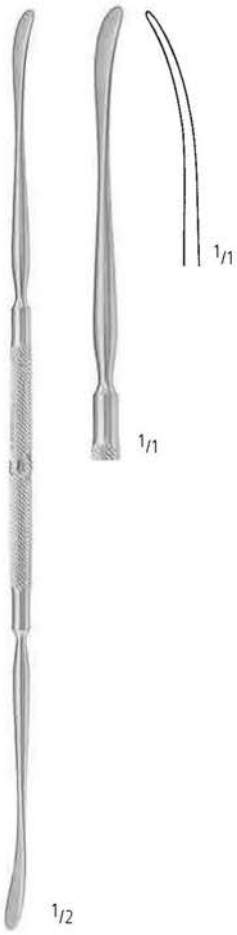
stumpf
blunt
romo
mousse
smusse

KK 150/18
18,5 cm/7¼"

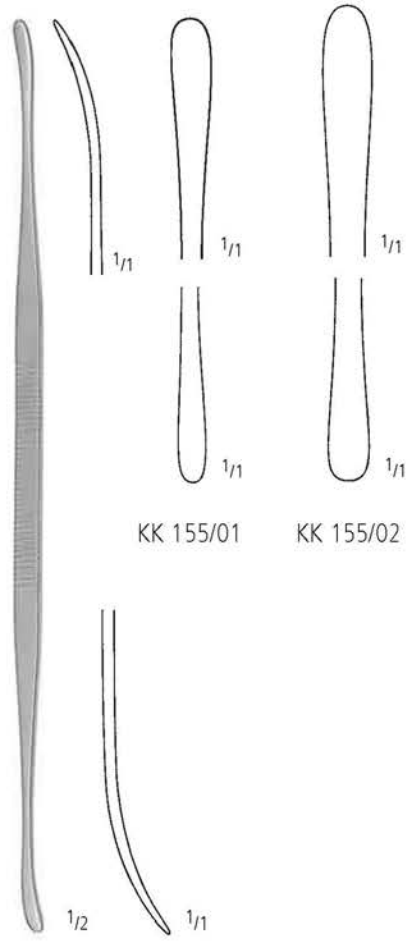
KK 150/21
21,5 cm/8½"




KK 152/23
23,0 cm/9"




**DAVIS**
KK 153/24
24,5 cm/9¾"



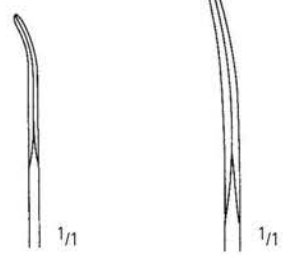

KK 155/01

KK 155/02

**TÖNNIS**
24,0 cm/9½"




**SCHMID**




KK 156/01
14,0 cm/5½"

KK 156/02
23,5 cm/9¼"




**PENFIELD**
KS 638/01
17,5 cm/7"

Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili




**BROM**
KK 160/17
17,0 cm/6¾"




**CRILE**
KK 162/20
20,0 cm/8"




**CUSHING**
19,0 cm/7½"




AK 036/01




AK 036/02




**KRAYENBÜHL**
18,5 cm/7¼"




KK 164/01




KK 164/02



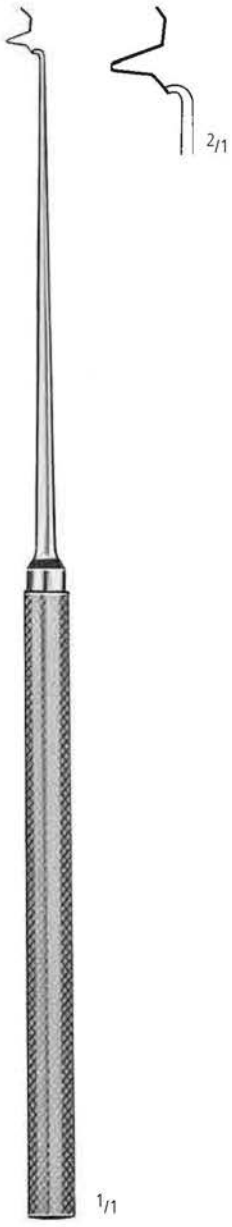

KK 164/03




KK 164/04

Feine Wundhaken
Delicate Hooks
Ganchos
Crochets très fins
Divaricatori sottili






**BIEMER**
KK 165/16
16,0 cm/6¼"




KK 166/01 KK 166/02

**FISCH**
18,5 cm/7¼"







AK 020/01




AK 020/02

**GILLIES**
18,0 cm/7"




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

Rippenkontraktoren
Rib contractors
Aproximadores para costillas
Rapprocheurs des côtes
Approssimatori costali



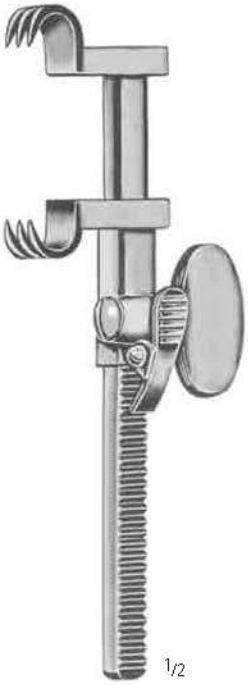

**SELLORS**
KK 170/19
19,0 cm/7½"




**BAILEY-BABY**
KK 172/14
14,0 cm/5½"




**BAILEY**
KK 174/16
16,0 cm/6¼"




**BAILEY-GIBBON**
KK 176/16
16,0 cm/6¼"

Lungenspatel
Lung Spatulas
Espátulas pulmonares
Spatules pulmonaires
Spatole per polmone






**ALLISON**

| KK 180/26 | KK 180/32 |
|---|---|
| 26,0 cm/10¼" | 32,0 cm/12½" |

Atriumhaken
Atrium retractor
Separadores auriculares
Ecarteurs à atrium
Divaricatori atriali




**COOLEY-STRUCK**
KK 188/01
24,0 cm/9½"




**COOLEY-STRUCK**
KK 188/02
24,0 cm/9½"




**COOLEY**
KK 190/01
24,5 cm/9¾"

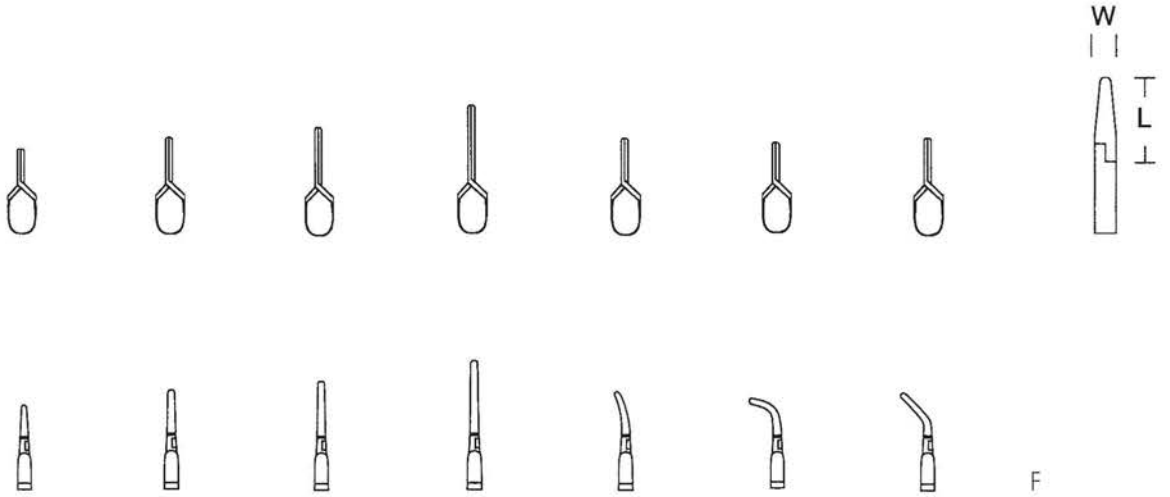



**COOLEY**
KK 190/02
24,5 cm/9¾"




**COOLEY**
KK 190/03
25,5 cm/10"

Clips
Clips
Clips
Clips
Clips




| | KK 300/01 | KK 300/02 | KK 300/03 | KK 300/04 | KK 300/05 | KK 300/06 | KK 300/07 | F<br>Schließkraft<br>Closing force<br>Presión<br>Pression<br>Pressione |
|---|---|---|---|---|---|---|---|---|
| L | 4 mm | 6 mm | 8 mm | 10 mm | 6 mm | 6 mm | 6 mm | |
| W | 0,75 mm | 1 mm | 2 mm | 2 mm | 1 mm | 1 mm | 1 mm | |
| F | 125 gr | 100 gr | 85 gr | 60 gr | 85 gr | 85 gr | 85 gr | |



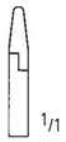

KK 302/14
14,0 cm/5½"

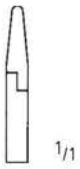



KK 303/18
18,0 cm/7"

Clips
Clips
Clips
Clips
Clips


1/1


1/1


1/1


1/1

**BIEMER**

| | KK 306/01 | KK 306/02 | KK 306/03 |
|---|---|---|---|
| L | 6 mm | 9 mm | 9 mm |
| W | 4 mm | 5 mm | 5 mm |
| F | 30-40 gr | 30-40 gr | 20-25 gr |



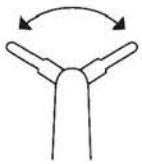

| | |
|---|---|
| F | W |
| Schließkraft | Maulöffnung |
| Closing force | Opening |
| Presión | Abertura |
| Pression | Overture |
| Pressione | Apertura |


1/2

KK 308/01
14,5 cm/5¾"


1/2

KK 308/02
14,5 cm/5¾"




1/2

KK 312/15
15,0 cm/6"

**MEHDORN**


1/1


1/1


1/1


1/1

| | KK 310/01 | KK 310/02 | KK 310/03 | KK 310/04 |
|---|---|---|---|---|
| L | 4 mm | 4 mm | 6 mm | 6 mm |
| W | 1,0 mm | 1,4 mm | 1,0 mm | 1,4 mm |
| F | 10-15 gr | 15-20 gr | 10-15 gr | 15-20 gr |

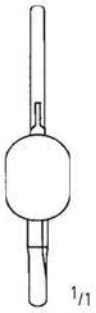
Clips
Clips
Clips
Clips
Clips


1/1

**MÜLLER**

F = 50gr
F = 80gr

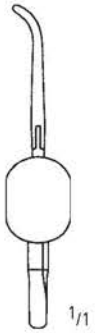
F
Schließkraft
Closing force
Presión
Pression
Pressione


1/1

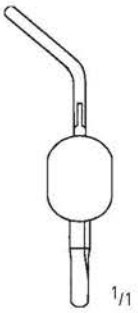
KK 314/50
KK 314/80


1/1

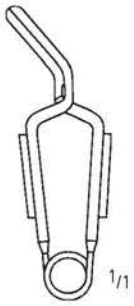
KK 315/50
KK 315/80


1/1

KK 316/50
KK 316/80


1/1

KK 317/50
KK 317/80


1/1

KK 318/50
KK 318/80


1/1

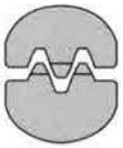
**DE BAKEY-HESS**
KK 320/01


1/1

**DE BAKEY-HESS**
KK 320/02

Atrauma Bulldogklemmen
Atrauma Bulldog Clamps
Atrauma Clamps Bulldog
Clamps Atrauma Bulldog
Pinze Atrauma Bulldog

ATRAU nopa



**DE BAKEY**




**DE BAKEY**




KK 350/07
7,5 cm/3"




KK 350/08
8,5 cm/3 1/2"



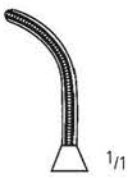

KK 350/10
10,5 cm/4 1/4"




KK 350/12
12,0 cm/4 3/4"



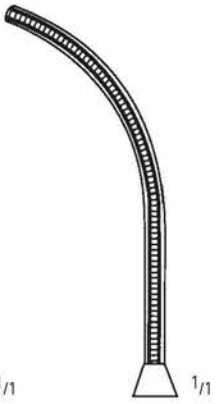

**DE BAKEY**



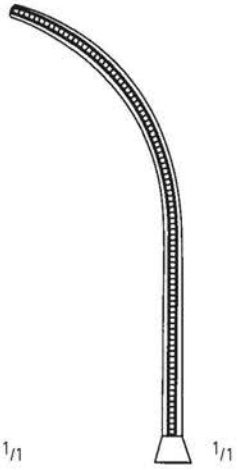

KK 351/07
7,0 cm/2 3/4"



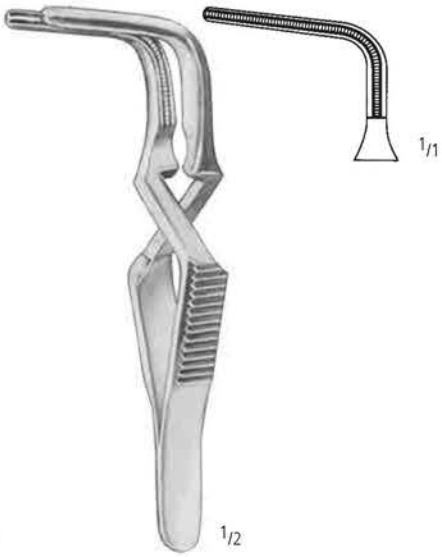

KK 351/08
8,0 cm/3 1/4"




KK 351/10
10,0 cm/4"



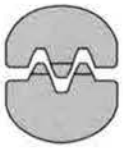

KK 351/12
11,5 cm/4 1/2"




**SANTULLI**
KK 357/07
7,0 cm/2 3/4"

Atrauma Bulldogklemmen
Atrauma Bulldog Clamps
Atrauma Clamps Bulldog
Clamps Atrauma Bulldog
Pinze Atrauma Bulldog

ATRAU nopa®



**DE BAKEY**



1/1

**GLOVER**



1/1

KK 370/06
6,0 cm/2 1/2"



1/1

KK 370/07
7,5 cm/2 3/4"



1/1

KK 370/09
9,0 cm/3 1/2"



1/1

KK 370/11
11,0 cm/4 1/2"



1/1

**GLOVER**



1/1

KK 371/06
5,5 cm/2 1/4"



1/1

KK 371/07
6,5 cm/2 1/2"



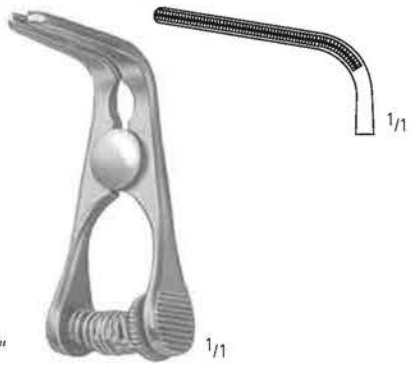
1/1

KK 371/09
8,5 cm/3 1/3"



1/1

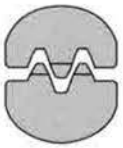
KK 371/11
10,5 cm/4 1/4"



1/1

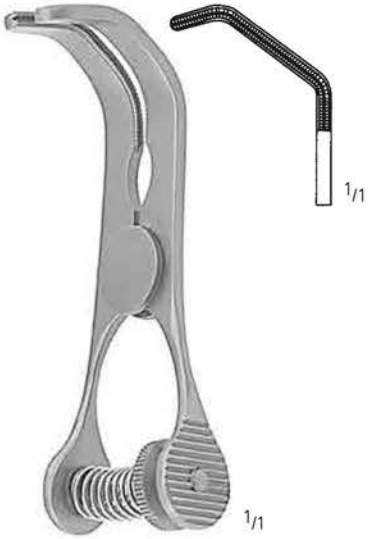
**GLOVER**
KK 372/05
5,0 cm/2"

Atrauma Bulldogklemmen
Atrauma Bulldog Clamps
Atrauma Clamps Bulldog
Clamps Atrauma Bulldog
Pinze Atrauma Bulldog

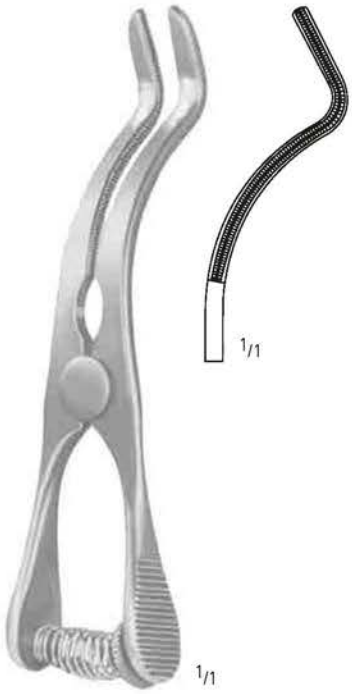


ATRAU nopa®

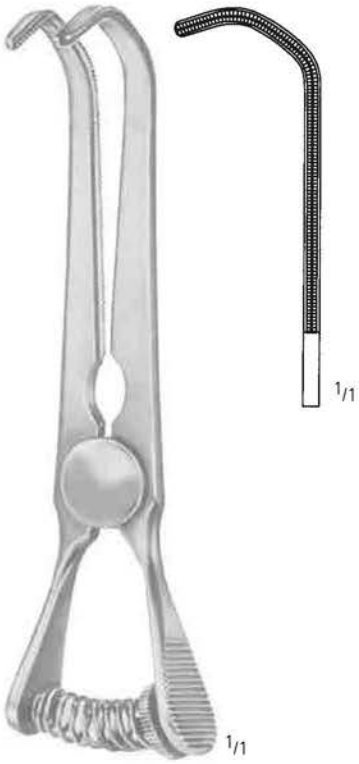
**DE BAKEY**




**DE BAKEY-SATINSKY**
KK 373/07
7,0 cm/2¾"



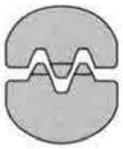

**DE BAKEY-CAROTIS**
KK 373/09
9,0 cm/3½"




**DE BAKEY-SATINSKY**
KK 373/10
10,0 cm/4"

Atrauma Bulldogklemmen
Atrauma Bulldog Clamps
Atrauma Clamps Bulldog
Clamps Atrauma Bulldog
Pinze Atrauma Bulldog

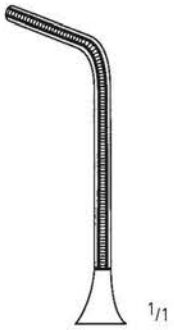
ATRAUMA nopa®



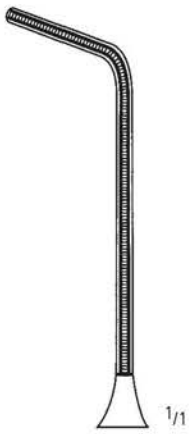
**DE BAKEY**




**GREGORY-SOFT**




KK 375/01
9,0 cm/3½"




KK 375/02
11,0 cm/4½"

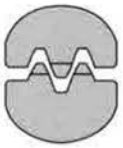



KK 375/03
11,0 cm/4½"



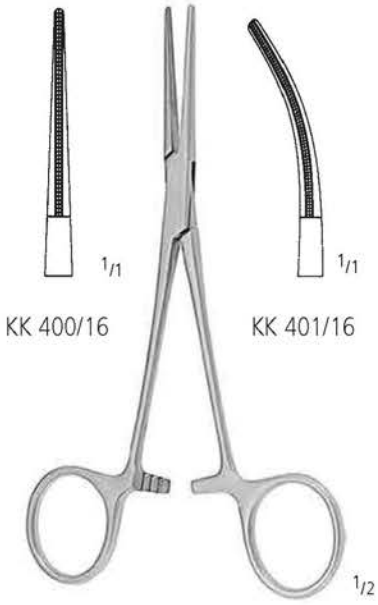

KK 375/04
11,0 cm/4½"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

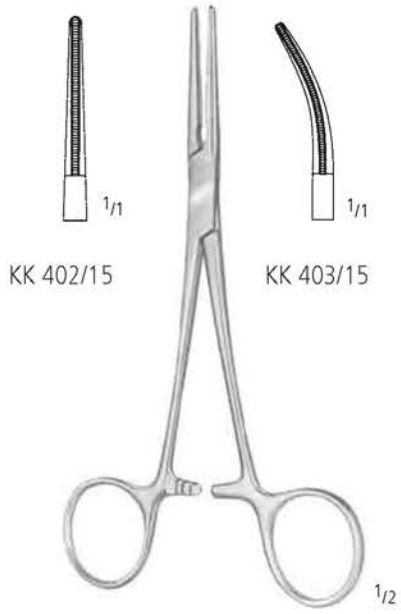


ATRAU nopa

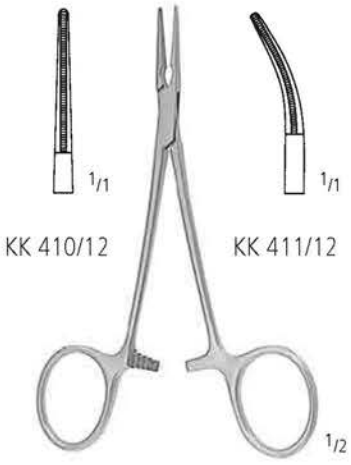
**DE BAKEY**




**DE BAKEY-RANKIN**
16,0 cm/6¼"



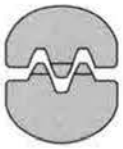

**DE BAKEY-MOSQUITO**
15,0 cm/6"



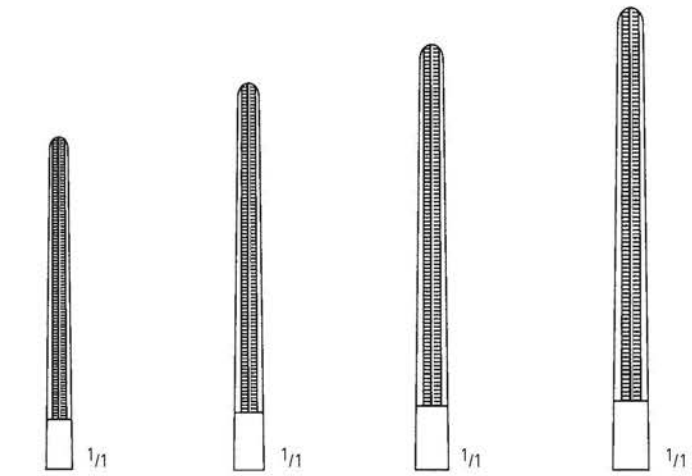

**DE BAKEY-MOSQUITO**
12,0 cm/4¾"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa®



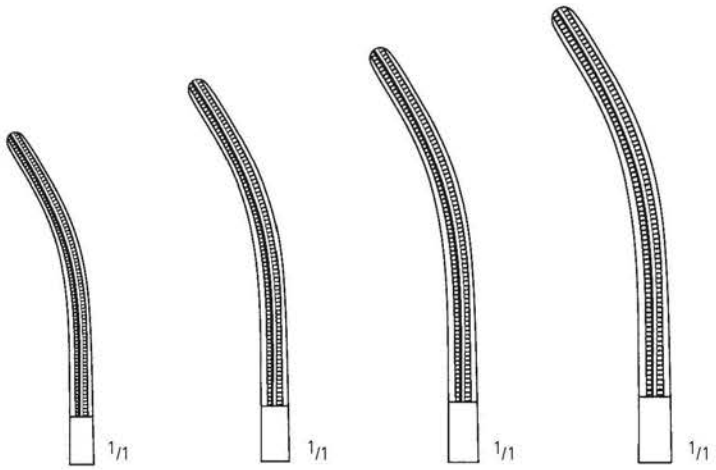
**DE BAKEY**




| KK 414/14 | KK 414/16 | KK 414/18 | KK 414/20 |
|---|---|---|---|
| 14,0 cm/5½" | 16,0 cm/6¼" | 18,0 cm/7" | 20,0 cm/8" |



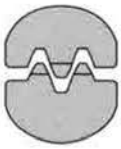

**DE BAKEY-PEAN**



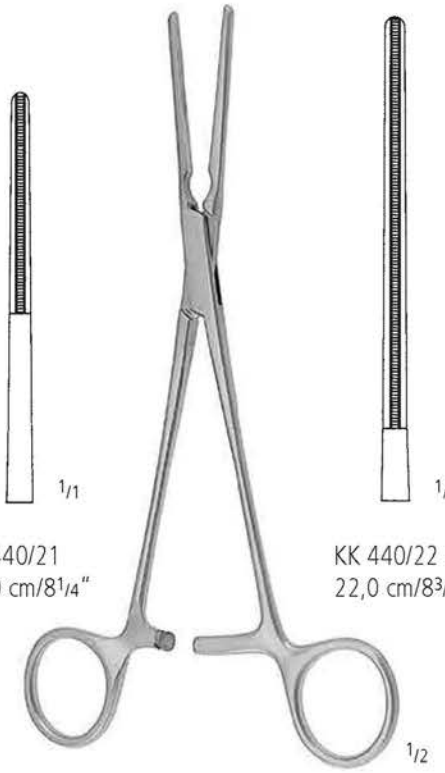

| KK 415/14 | KK 415/16 | KK 415/18 | KK 415/20 |
|---|---|---|---|
| 14,0 cm/5½" | 16,0 cm/6¼" | 18,0 cm/7" | 20,0 cm/8" |

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa®



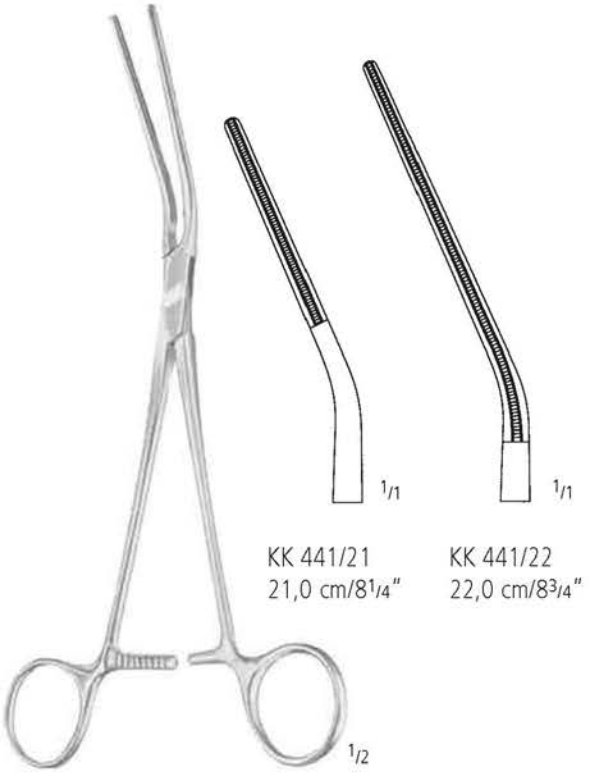
**DE BAKEY**




KK 440/21
21,0 cm/8¼"

KK 440/22
22,0 cm/8¾"

**POTTS**




KK 441/21
21,0 cm/8¼"

KK 441/22
22,0 cm/8¾"

**POTTS**




KK 443/21
21,0 cm/8¼"

KK 443/22
22,0 cm/8¾"

**POTTS**




KK 445/22

KK 447/22

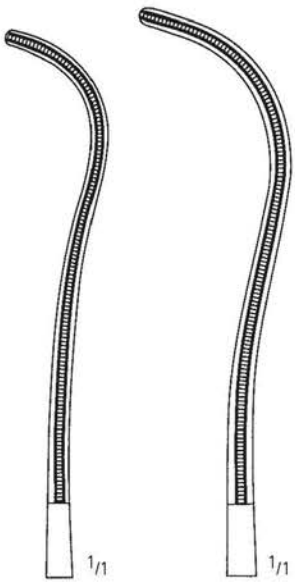
**POTTS**
22,0 cm/8¾"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa

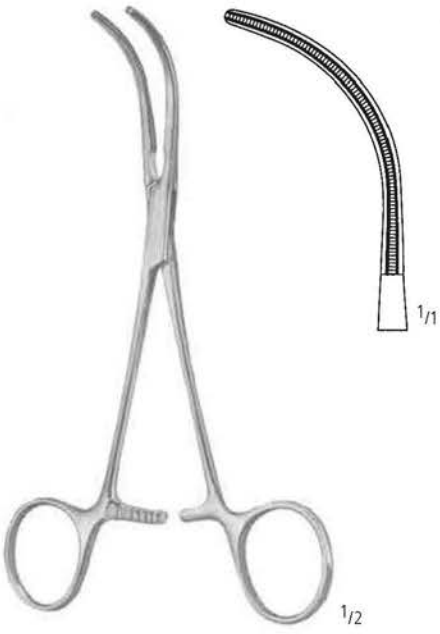


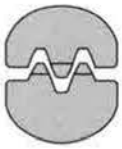

**DE BAKEY**




KK 449/19
19,0 cm/7 1/2"

KK 449/23
23,0 cm/9"



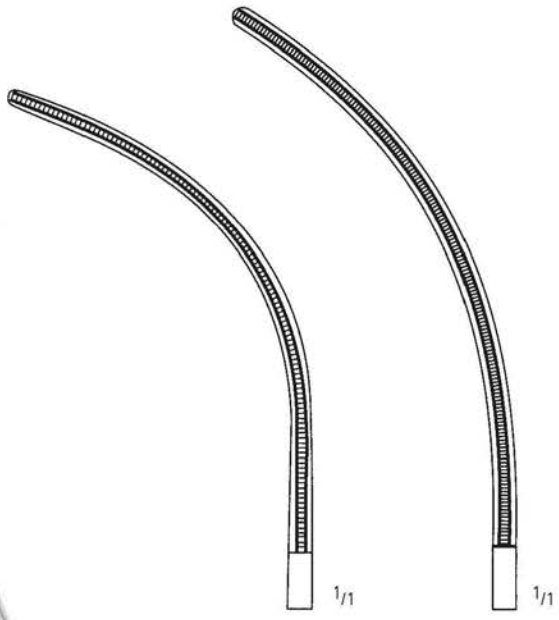



**DE BAKEY**

**DE BAKEY**
KK 451/16
16,0 cm/6 1/4"

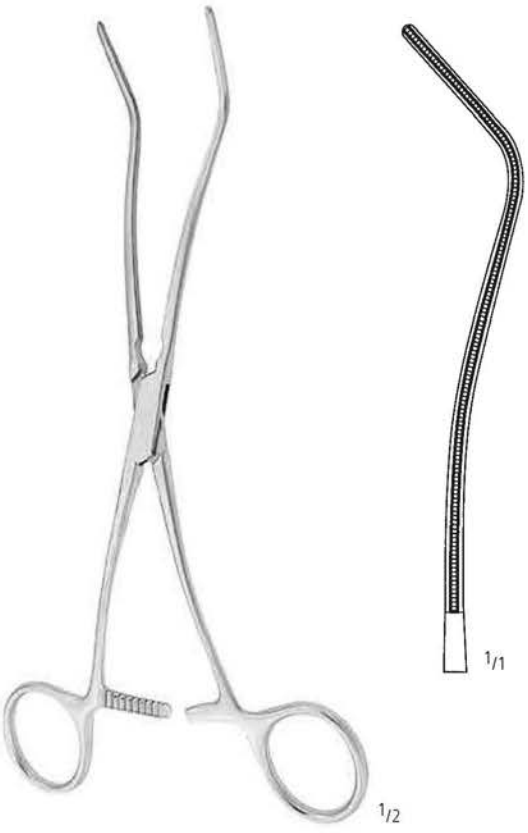



**DE BAKEY**




KK 453/19
19,0 cm/7 1/2"

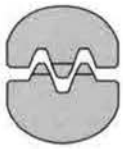
KK 453/20
20,0 cm/8"



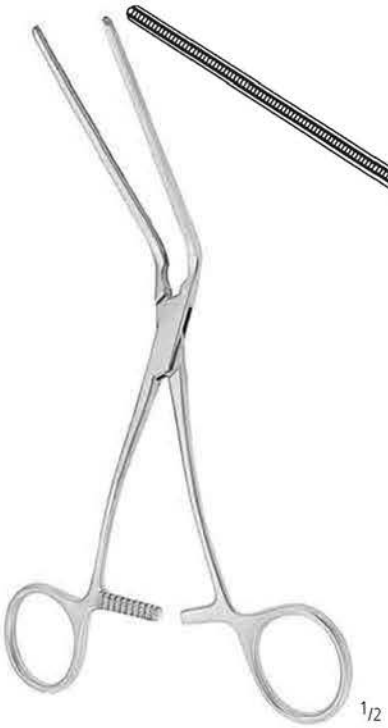

**DE BAKEY**
KK 455/20
20,0 cm/8"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa®



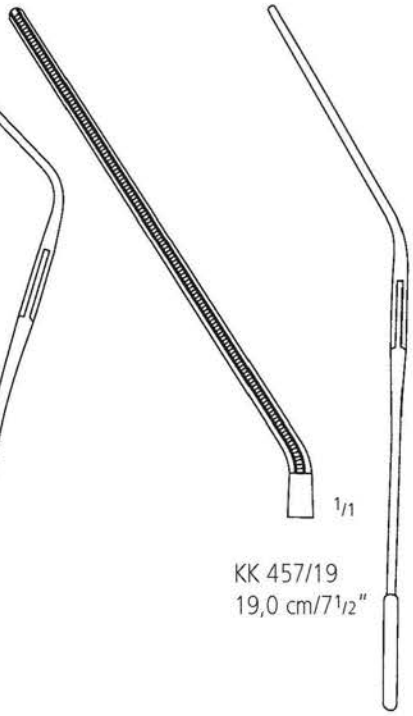
**DE BAKEY**



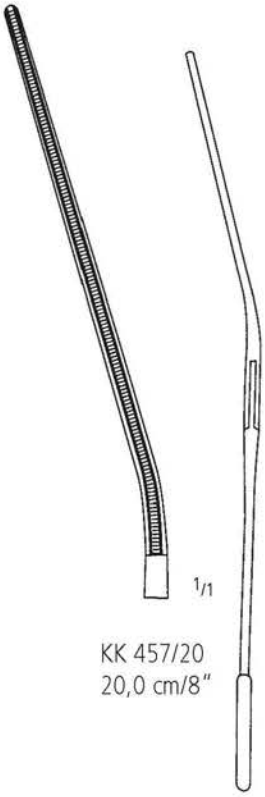




KK 457/18
18,0 cm/7"




KK 457/19
19,0 cm/7 1/2"




KK 457/20
20,0 cm/8"

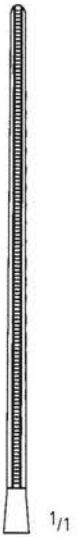
**LELAND-JONES**







KK 460/15
15,0 cm/6"




KK 460/18
18,0 cm/7"




KK 461/15
15,0 cm/6"

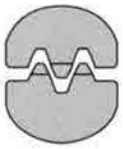



KK 461/18
18,0 cm/7"

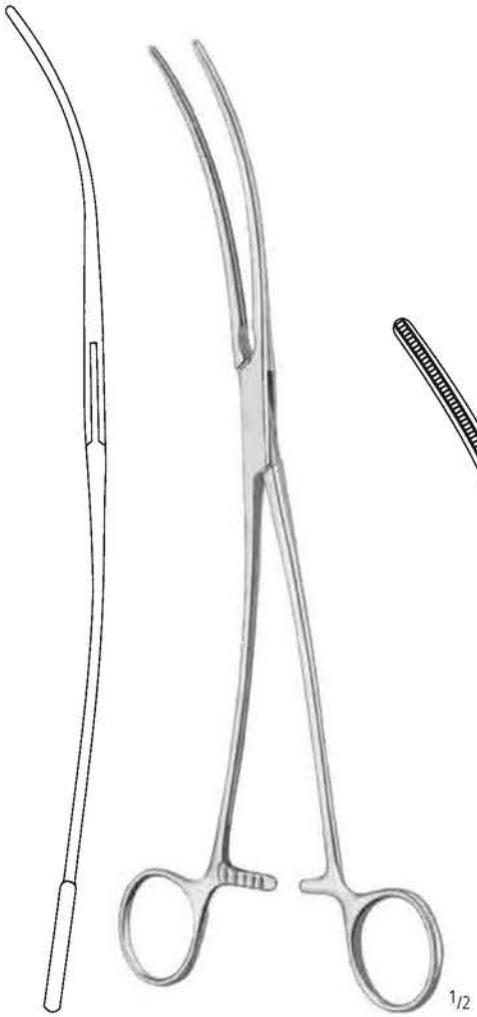
**BAINBRIDGE**

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa

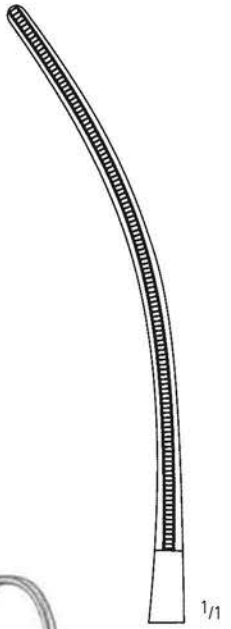


DE BAKEY



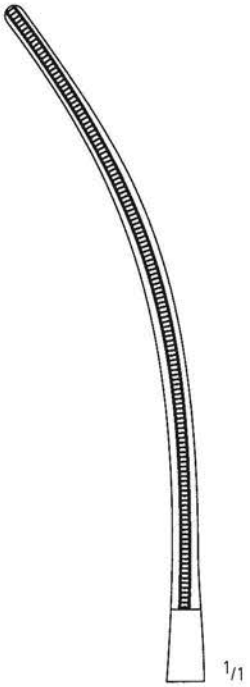
1/2

DE BAKEY



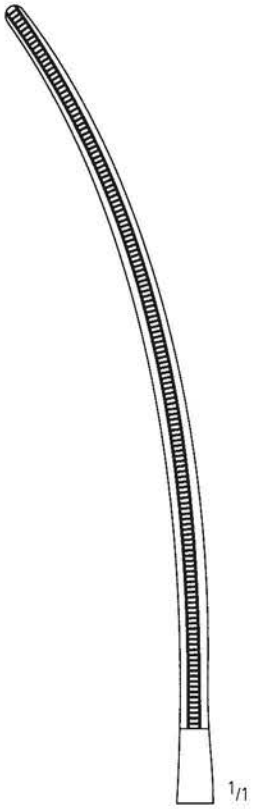
1/1

KK 469/26
26,0 cm/10 1/4"



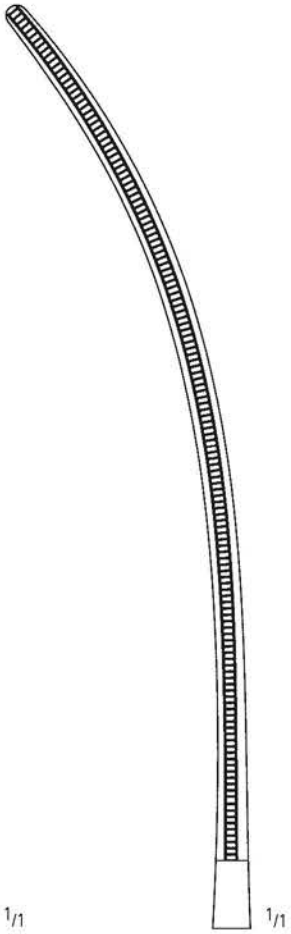
1/1

KK 469/27
27,0 cm/10 1/2"



1/1

KK 469/31
31,0 cm/12 1/4"

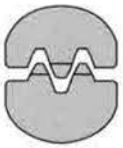


1/1

KK 469/33
33,0 cm/13"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa®

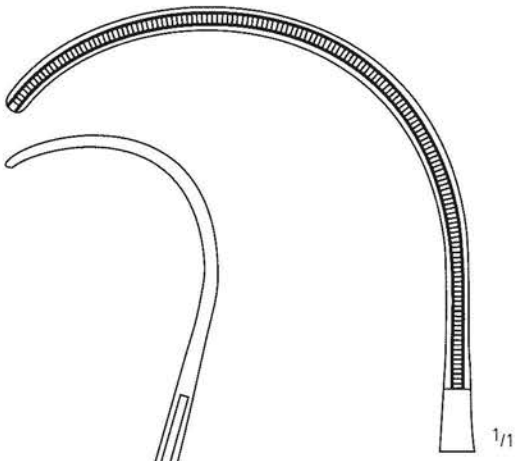


**DE BAKEY**



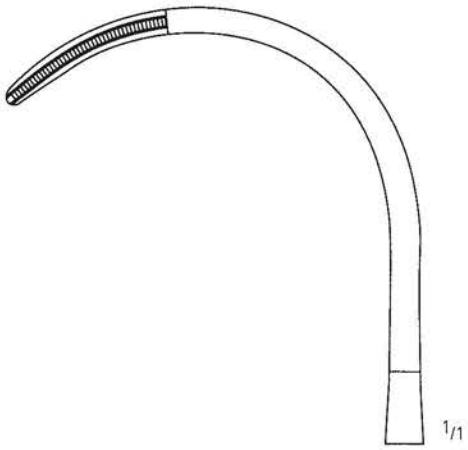
1/2

**DE BAKEY**



1/1

KK 473/25
25,0 cm/10"



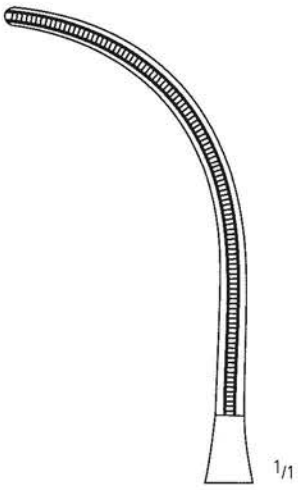
1/1

KK 475/26
26,0 cm/10½"



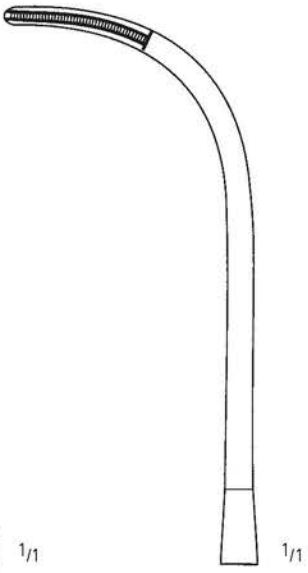
1/2

**DE BAKEY**



1/1

KK 477/24
24,0 cm/9½"

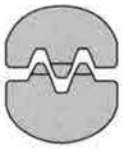


1/1

KK 479/24
24,0 cm/9½"

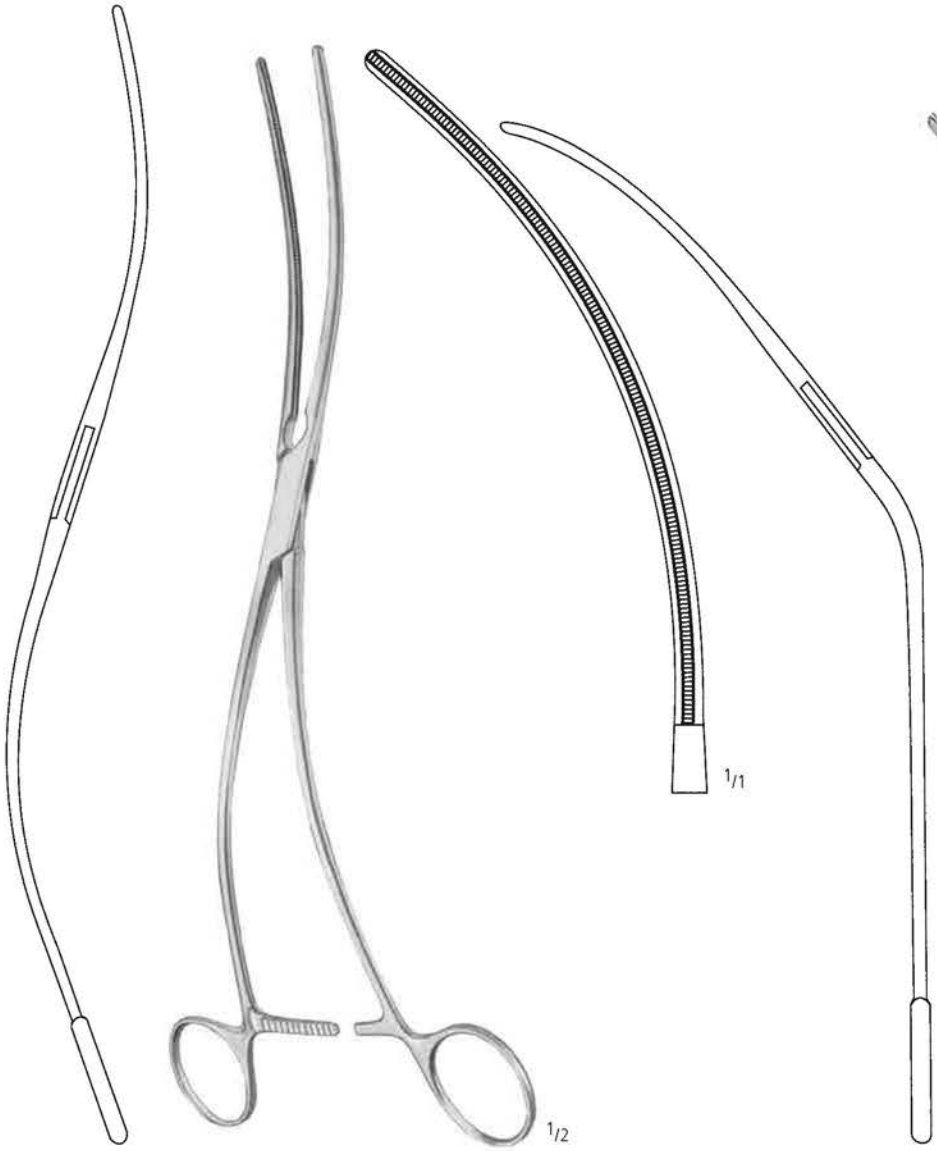
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa

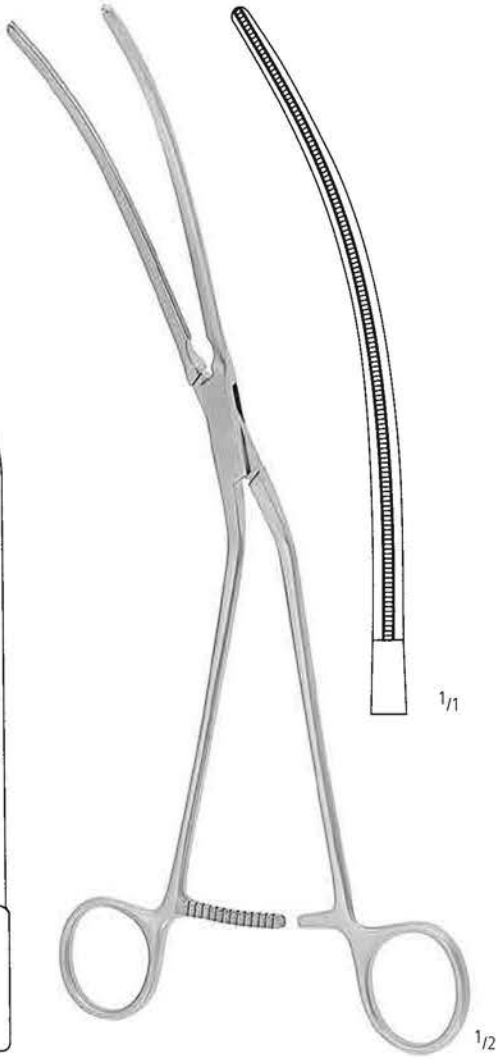


**DE BAKEY**



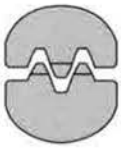



**DE BAKEY**
KK 481/30
30,0 cm/11¾"



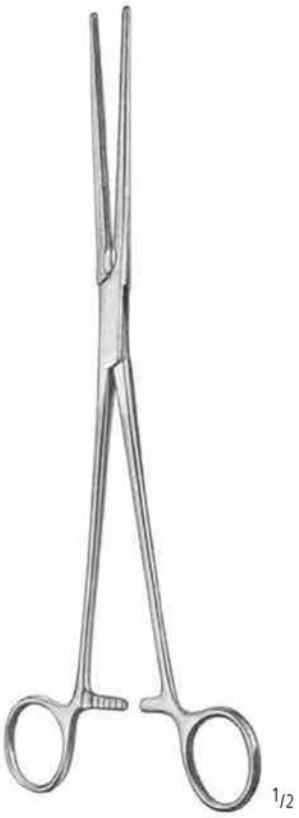

**DE BAKEY**
KK 483/28
28,0 cm/11"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma



**DE BAKEY**

ATRAU nopa




**DE BAKEY**

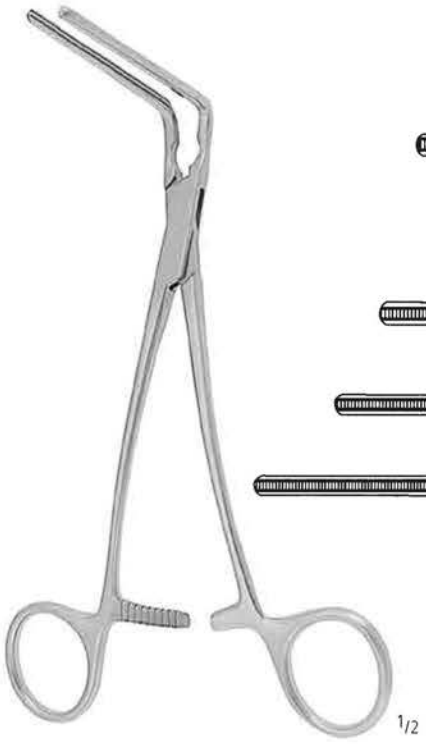



KK 486/21
21,0 cm/8½"

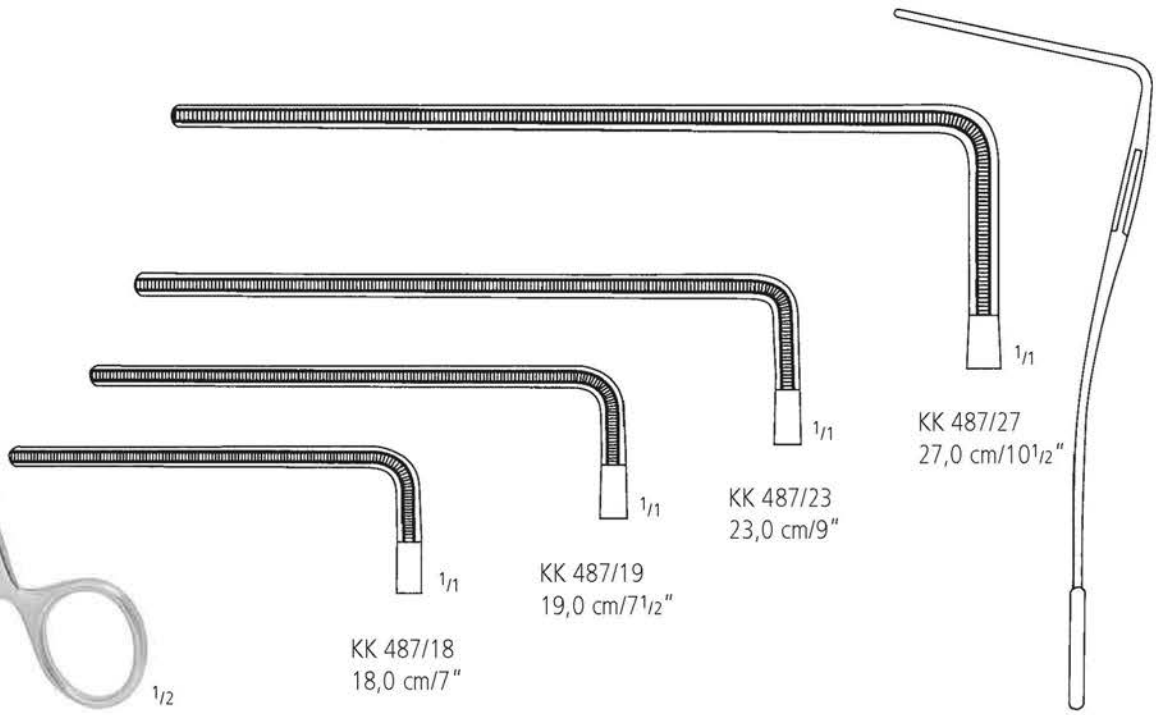
KK 486/23
23,0 cm/9"

KK 486/27
27,0 cm/10½"

KK 486/31
31,0 cm/12½"




**DE BAKEY**




KK 487/18
18,0 cm/7"

KK 487/19
19,0 cm/7½"

KK 487/23
23,0 cm/9"

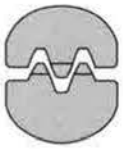
KK 487/27
27,0 cm/10½"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma




DE BAKEY

ATRAU nopa®



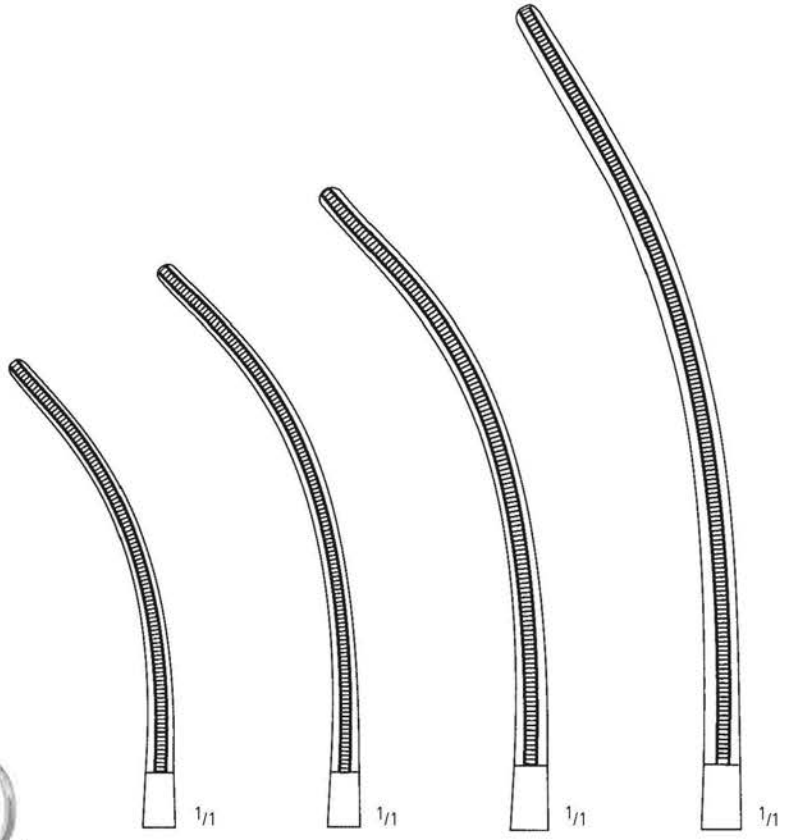
DE BAKEY




| KK 489/20 | KK 489/21 | KK 489/25 | KK 489/29 |
|---|---|---|---|
| 20,0 cm/8" | 21,0 cm/8 1/4" | 25,0 cm/10" | 29,0 cm/11 3/4" |

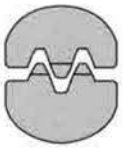



DE BAKEY



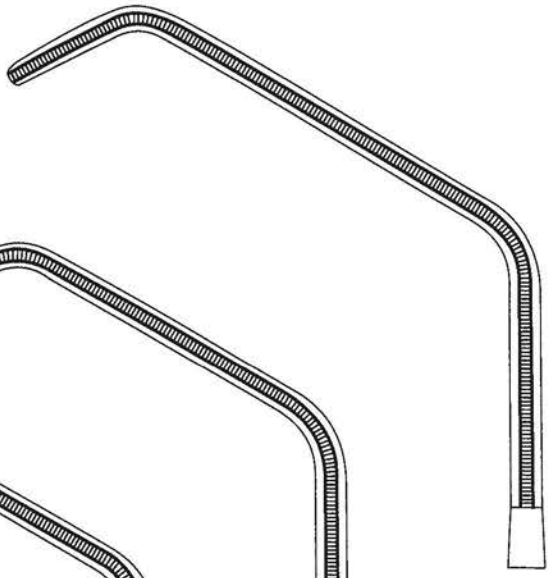

| KK 491/21 | KK 491/23 | KK 491/27 | KK 491/31 |
|---|---|---|---|
| 21,5 cm/8 1/2" | 23,0 cm/9" | 27,0 cm/10 1/2" | 31,0 cm/12 1/2" |

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

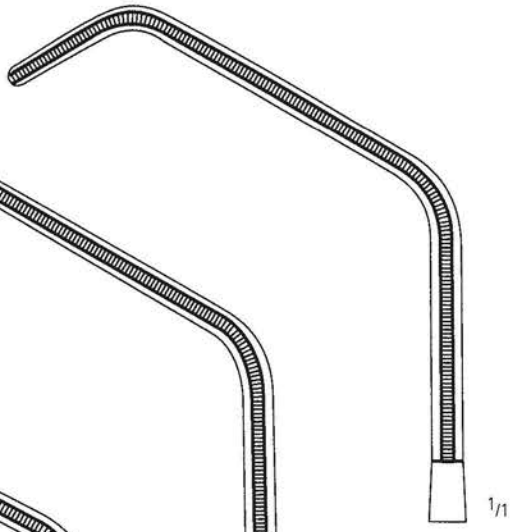


**DE BAKEY**

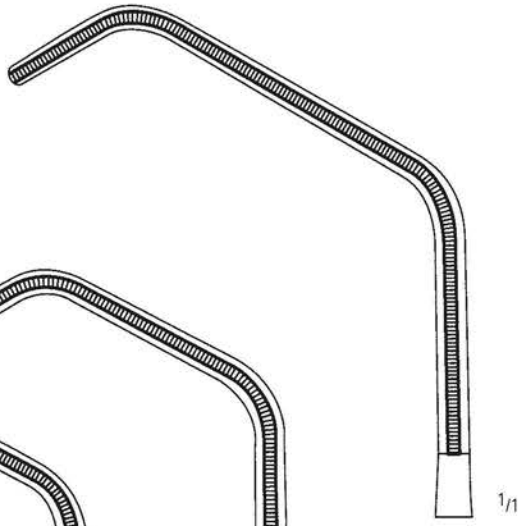
ATRAU nopa®




KK 493/27
27,5 cm/10¾"




KK 493/26
26,5 cm/10½"




KK 493/25
25,0 cm/10"



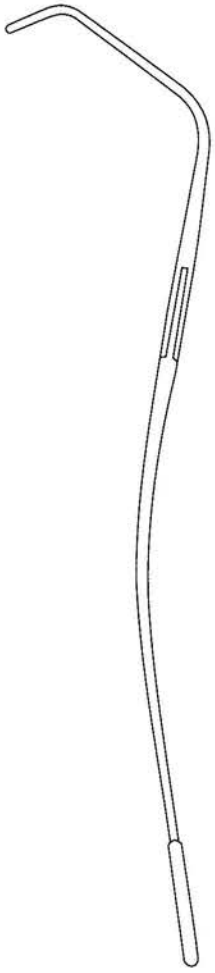

KK 493/24
24,0 cm/9¾"



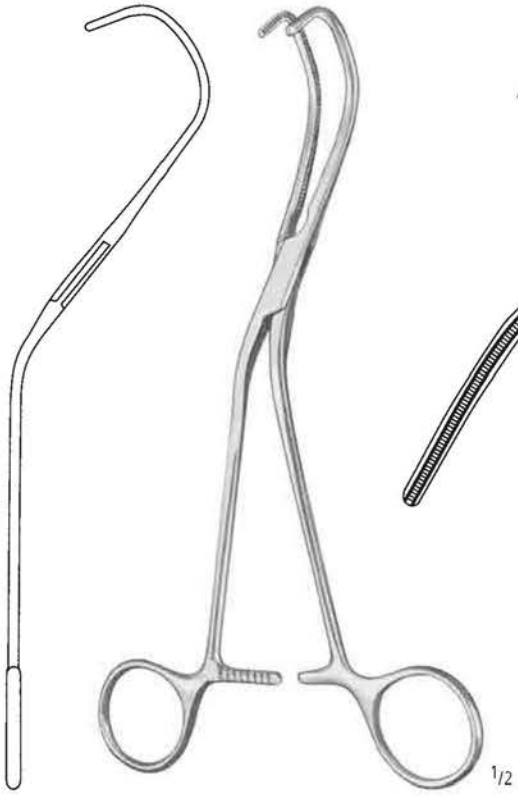

KK 493/20
20,5 cm/8"




**SATINSKY**



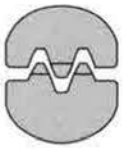
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma



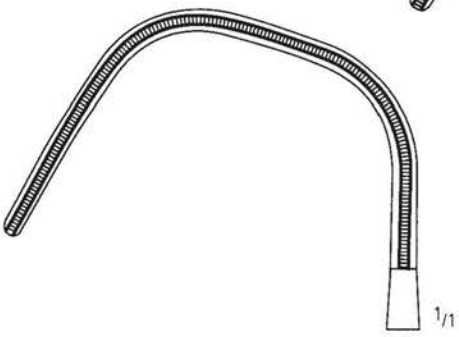
1/2

**LAMBERT-KAY**

ATRAU nopa®

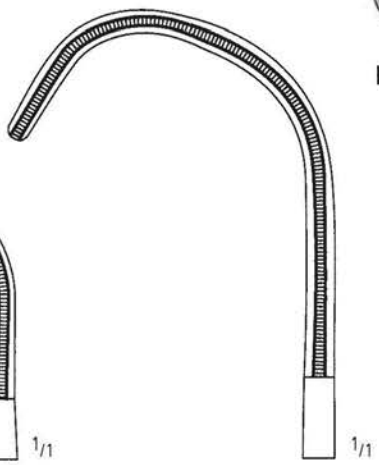


**DE BAKEY**



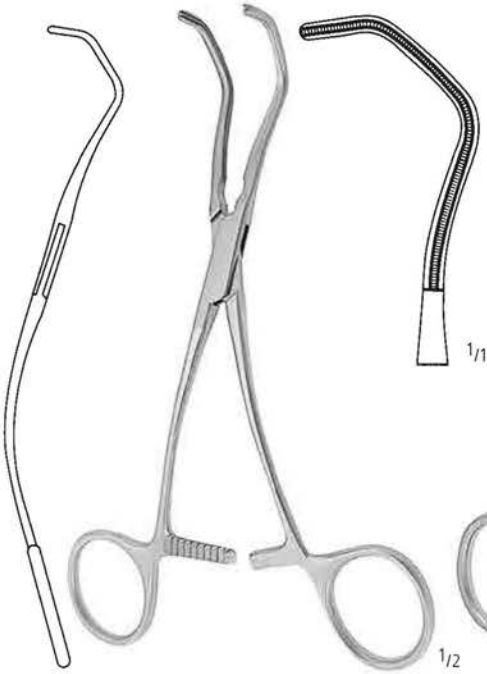
1/1

KK 495/01
21,0 cm/8 1/2"



1/1

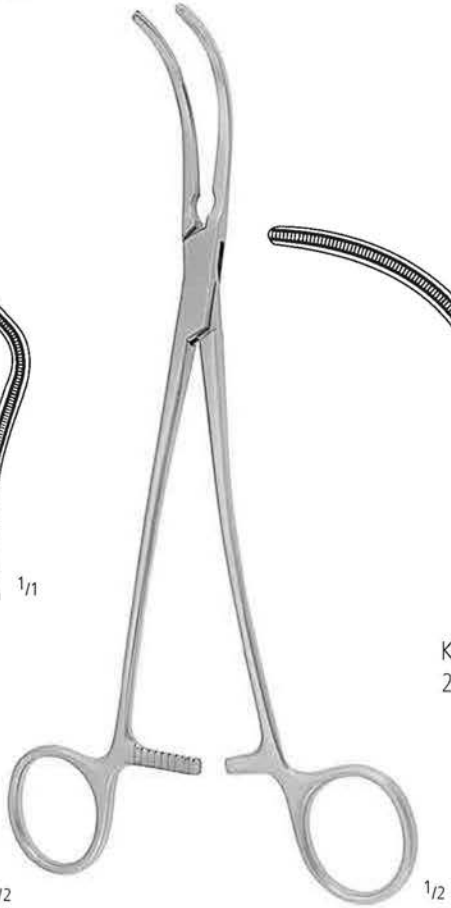
KK 495/02
21,0 cm/8 1/2"



1/1

1/2

**DE BAKEY**
KK 501/17
17,0 cm/6 3/4"



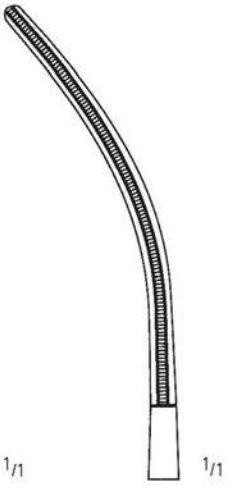
1/2

**DE BAKEY-BAHNSON**



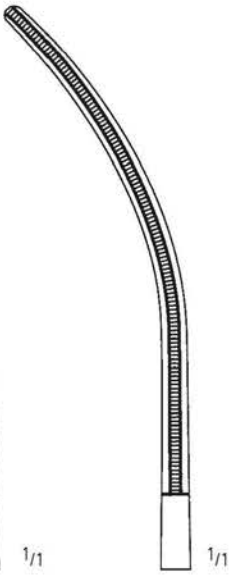
1/1

KK 503/23
23,0 cm/9"



1/1

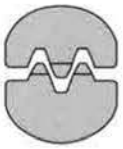
KK 503/24
24,0 cm/9 1/2"



1/1

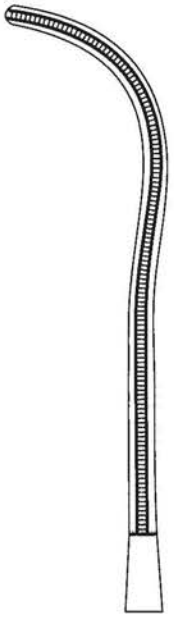
KK 503/25
25,0 cm/10"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

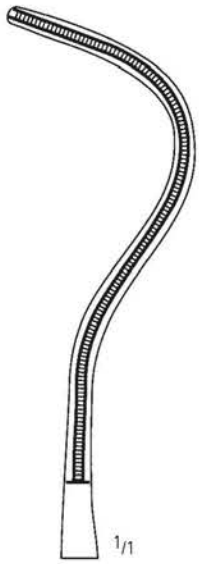


ATRAU nopa®

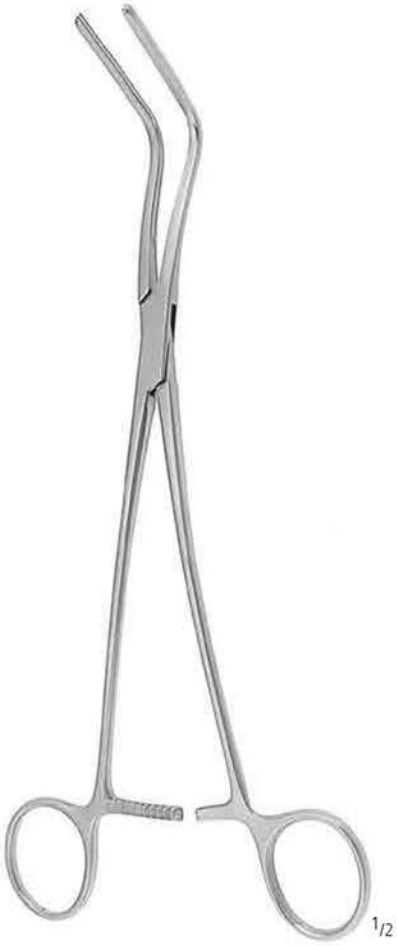
**DE BAKEY**



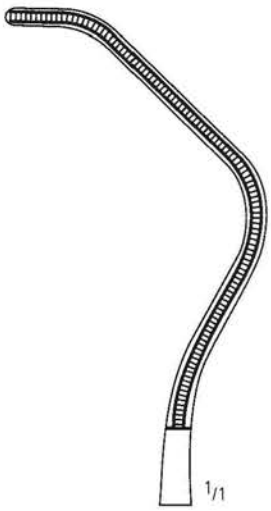

KK 505/01
24,0 cm/9 1/2"



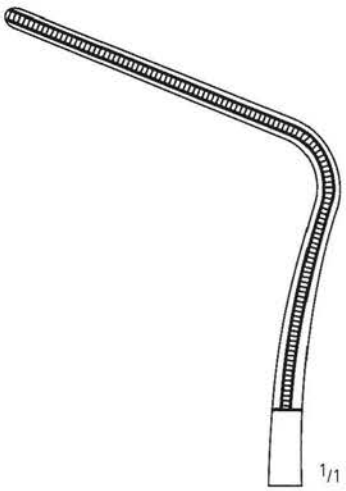

KK 505/02
24,0 cm/9 1/2"




**HARKEN**



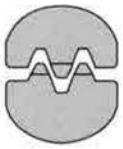

KK 505/03
24,0 cm/9 1/2"



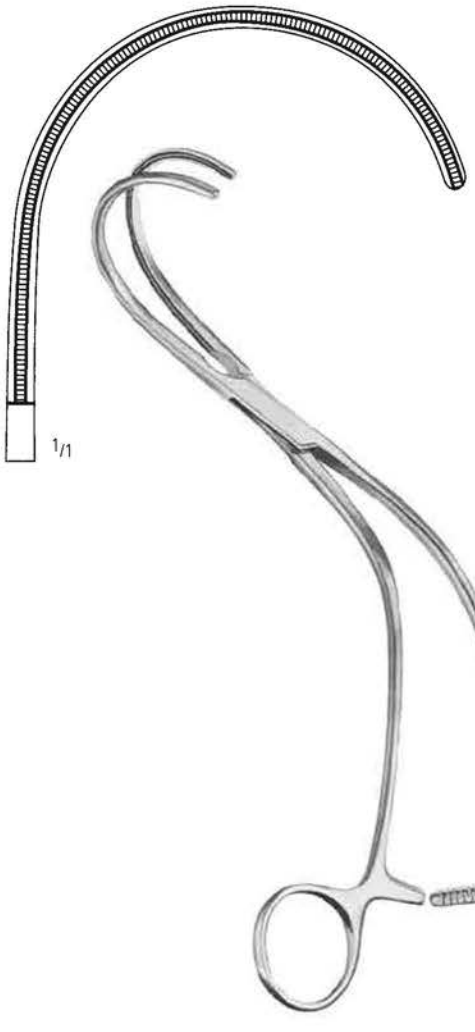

KK 505/04
24,0 cm/9 1/2"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

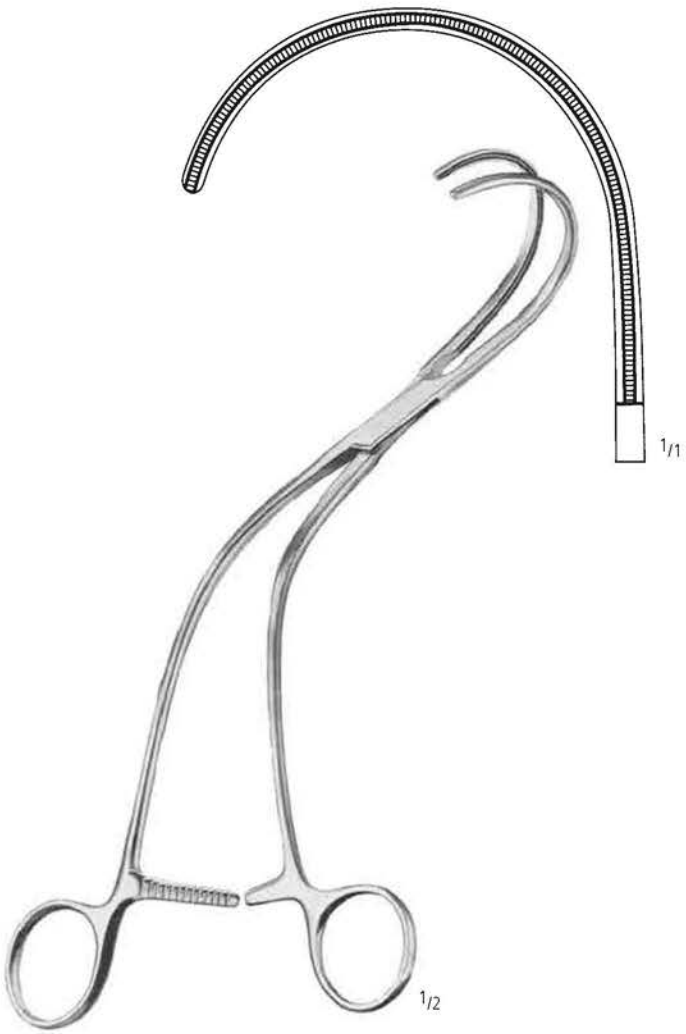
ATRAU nopa



DE BAKEY

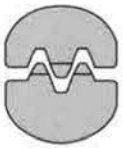



**WEBER**
KK 509/01
26,0 cm/10¼"

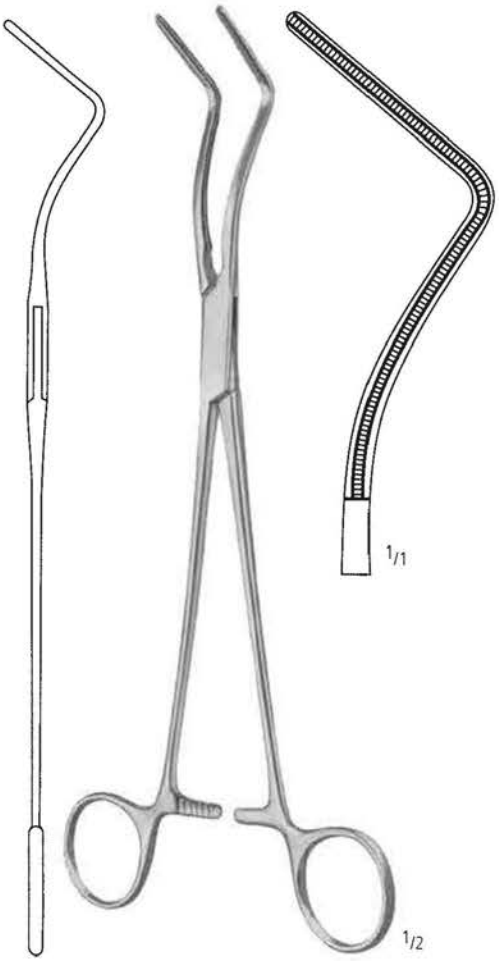



**WEBER**
KK 509/02
26,0 cm/10¼"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma



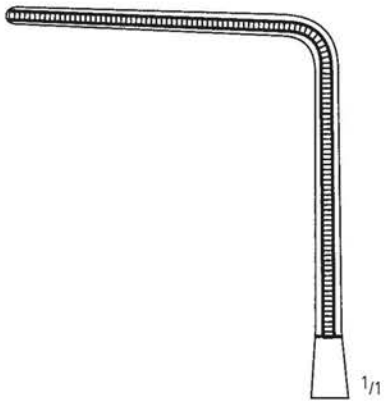
**DE BAKEY**



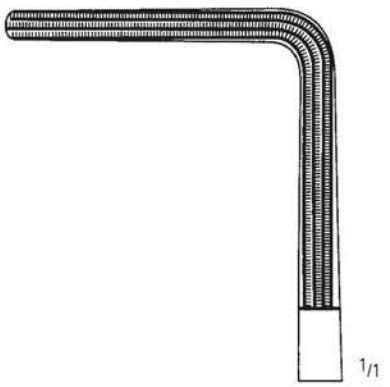

**LEES**
KK 511/25
25,0 cm/10"




**LEES**



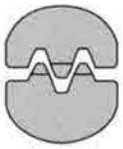

KK 512/23
23,0 cm/9"



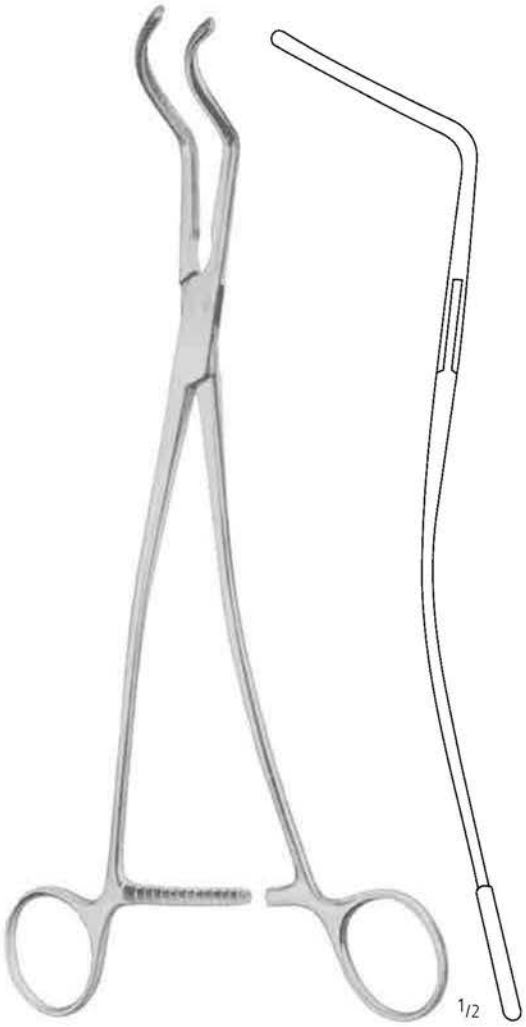

KK 512/25
25,0 cm/10"

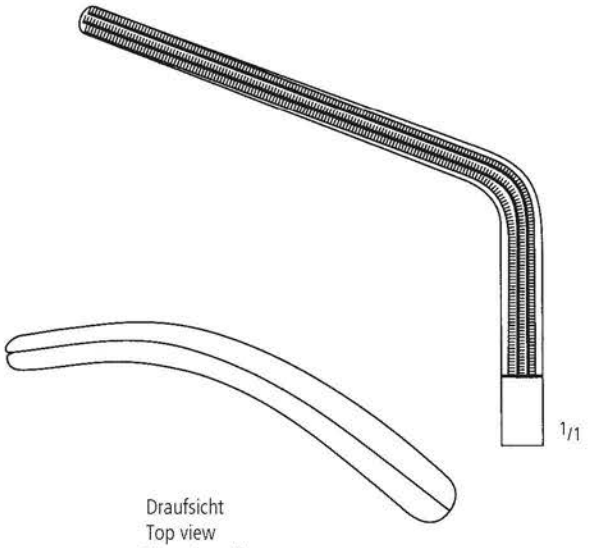
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa



**DE BAKEY**

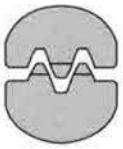



Draufsicht
Top view
Vista de arriba
Vue en plau
Vista da sopra

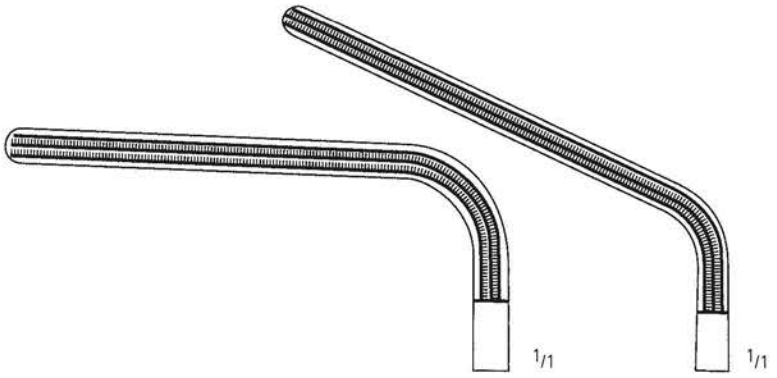
**DE BAKEY**
KK 513/27
27,0 cm/10 1/2"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma



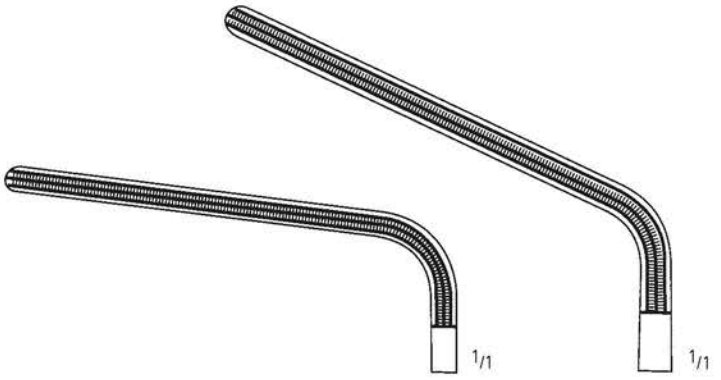
ATRAU nopa®

**DE BAKEY**



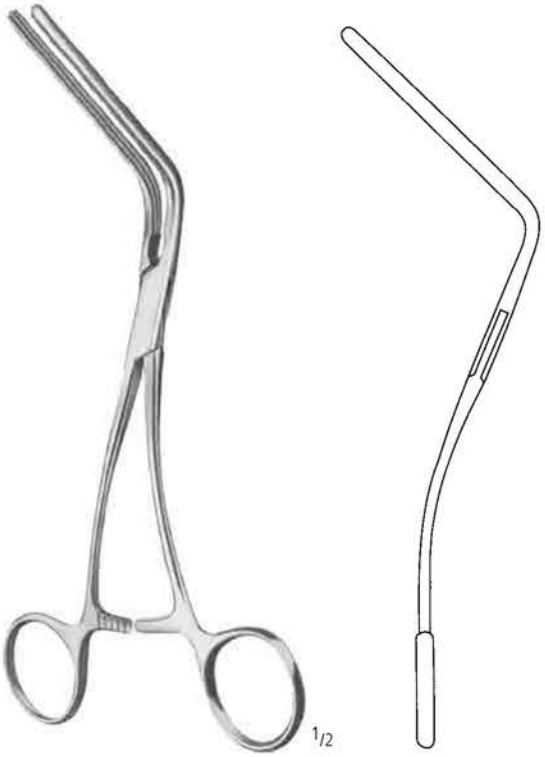

KK 515/18
18,0 cm/7"

KK 515/20
20,0 cm/8"




KK 515/23
23,0 cm/9"

KK 515/25
25,0 cm/10"

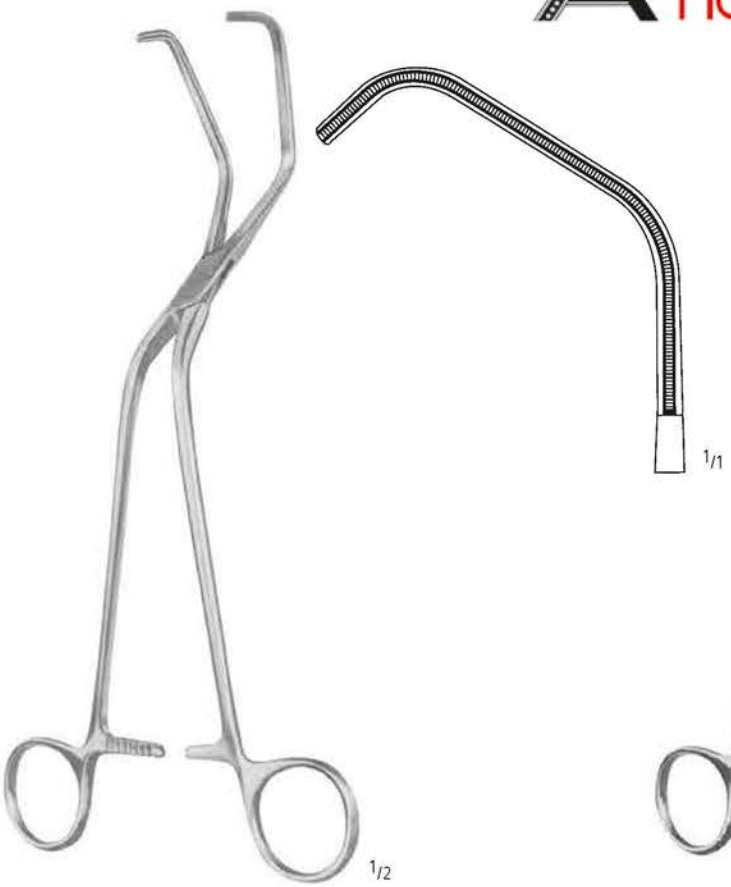



**MORRIS-DE BAKEY**

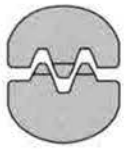
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma



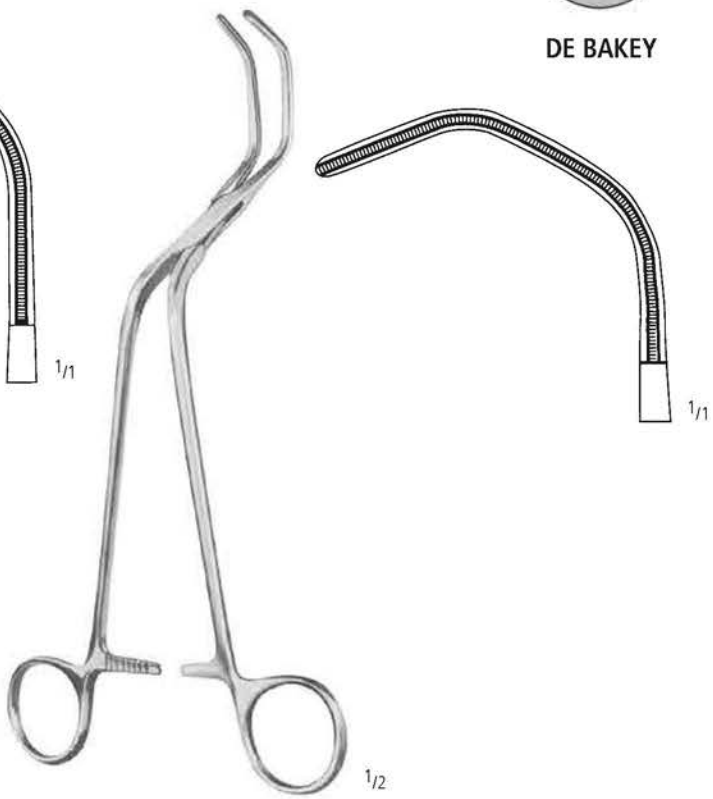
ATRAU nopa




**OCHSNER**
KK 517/23
23,5 cm/9¼"



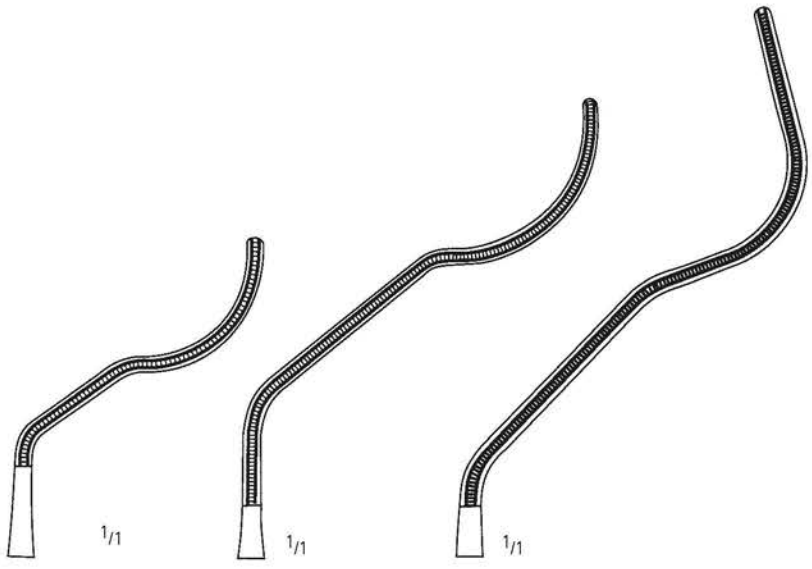
**DE BAKEY**




**DIETRICH**
KK 519/21
21,0 cm/8¼"




**GREGORY**



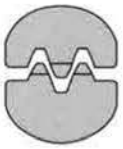

KK 521/14
14,0 cm/5½"

KK 521/16
16,0 cm/6¼"

KK 521/18
18,0 cm/7"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa®



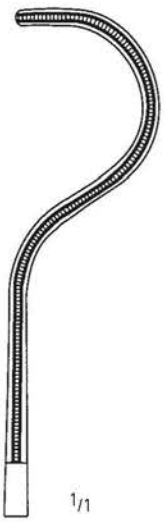
**DE BAKEY**







KK 523/17
17,0 cm/6 1/2"

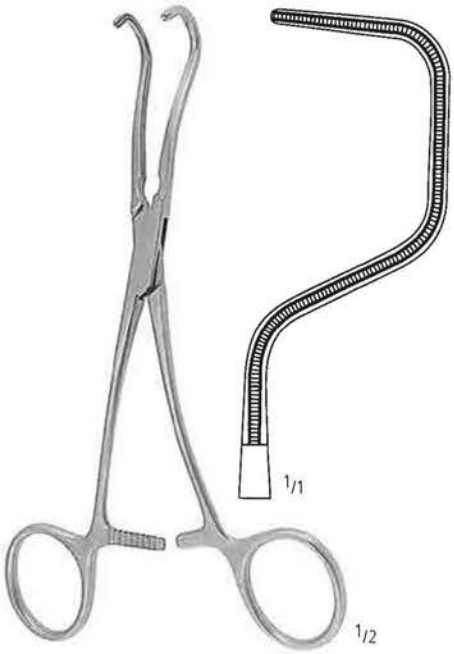



KK 523/18
18,0 cm/7"

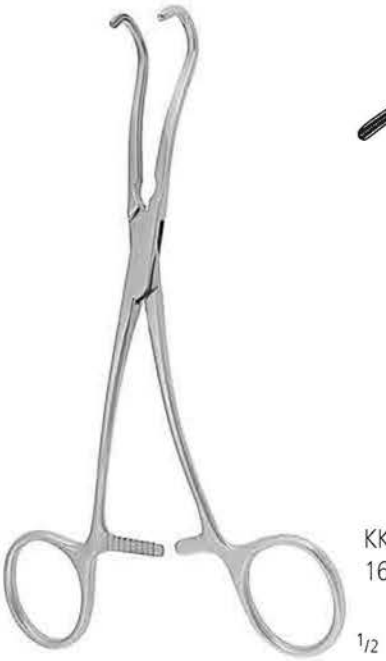



KK 523/19
18,5 cm/7 1/4"

**DALE**




**DALE**
KK 525/18
18,5 cm/7"



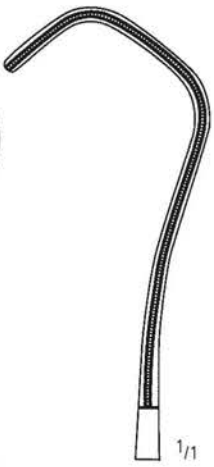

**DERRA**




KK 527/16
16,0 cm/6 1/4"



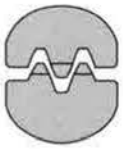

KK 527/17
17,0 cm/6 3/4"



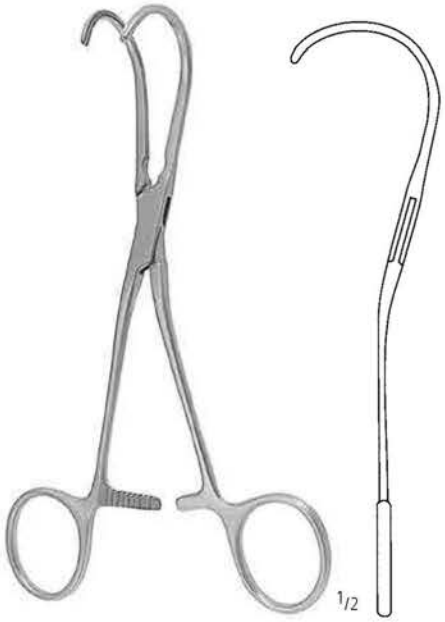

KK 527/18
18,0 cm/7"

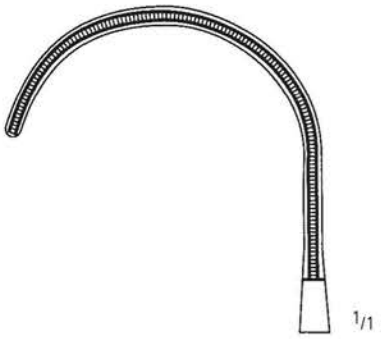
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa



**DE BAKEY**

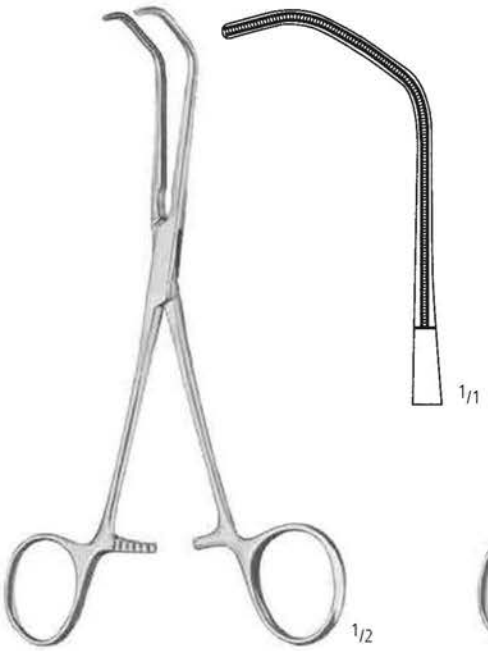


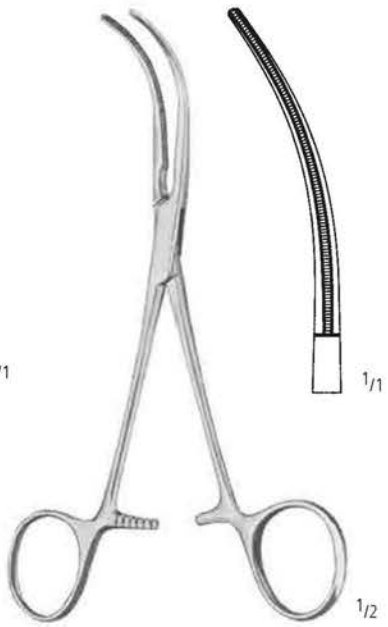

KK 531/16
16,0 cm/6¼"



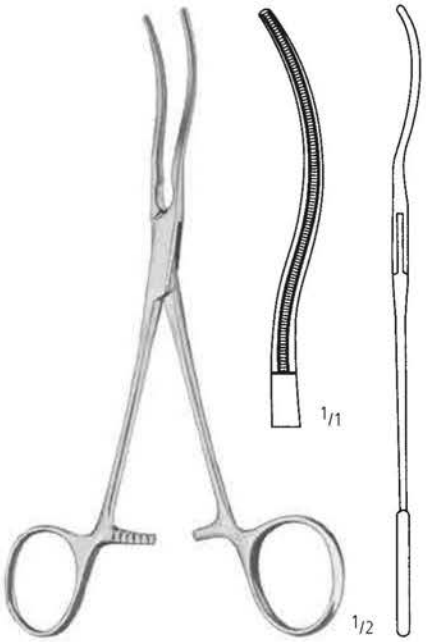

KK 531/17
17,0 cm/6¾"




**BECK**
KK 535/17
17,0 cm/6¾"

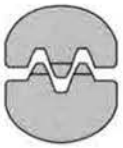



**GLOVER**
KK 537/17
17,0 cm/6¾"



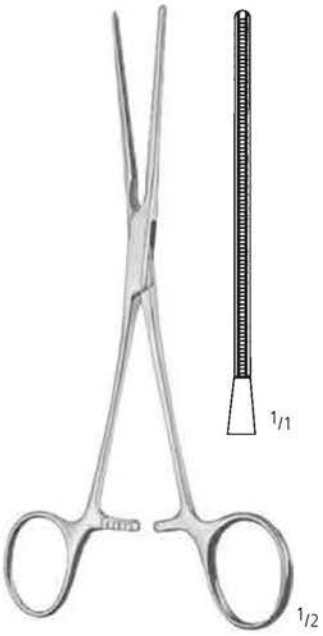

KK 539/17
17,0 cm/6¾"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

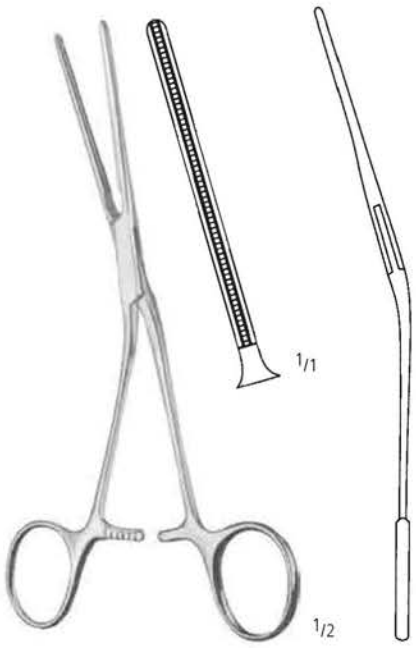


**DE BAKEY**

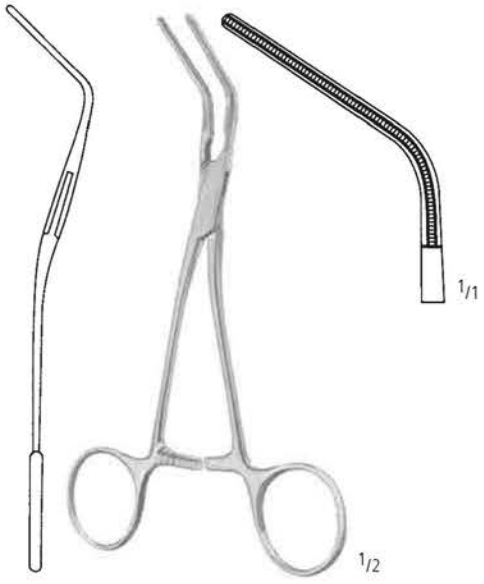
ATRAU nopa



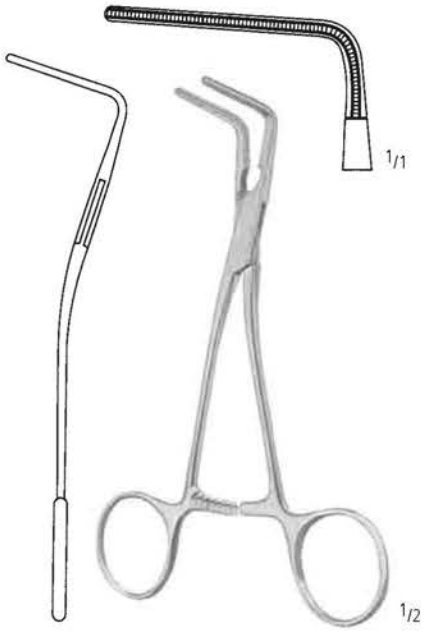

**DE BAKEY**
KK 540/17
17,0 cm/6¾"



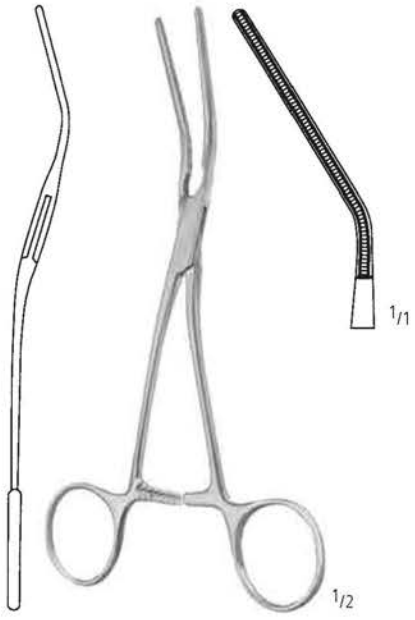

**DE BAKEY**
KK 541/17
17,0 cm/6¾"




**DE BAKEY**
KK 543/15
15,0 cm/6"




**DE BAKEY**
KK 545/15
15,0 cm/6"

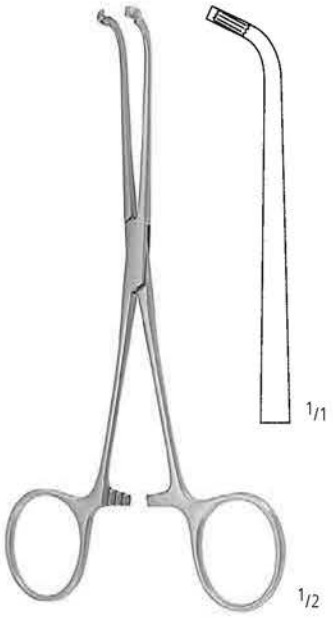



**DE BAKEY**
KK 547/16
16,0 cm/6¼"

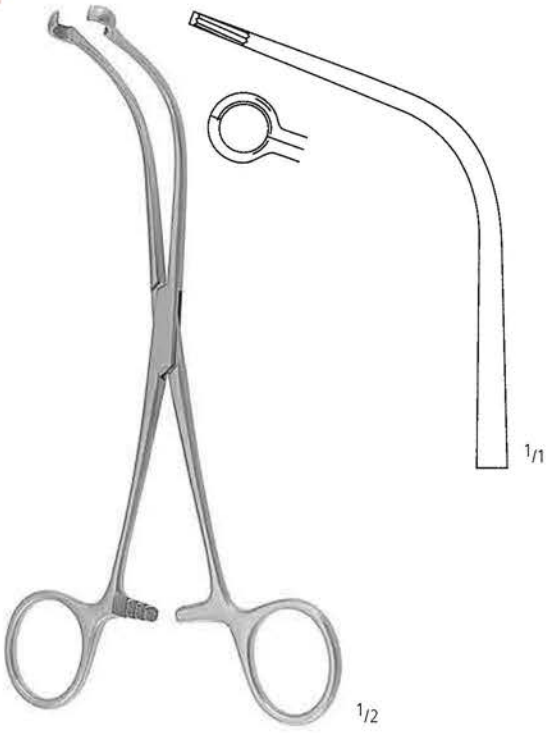
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma



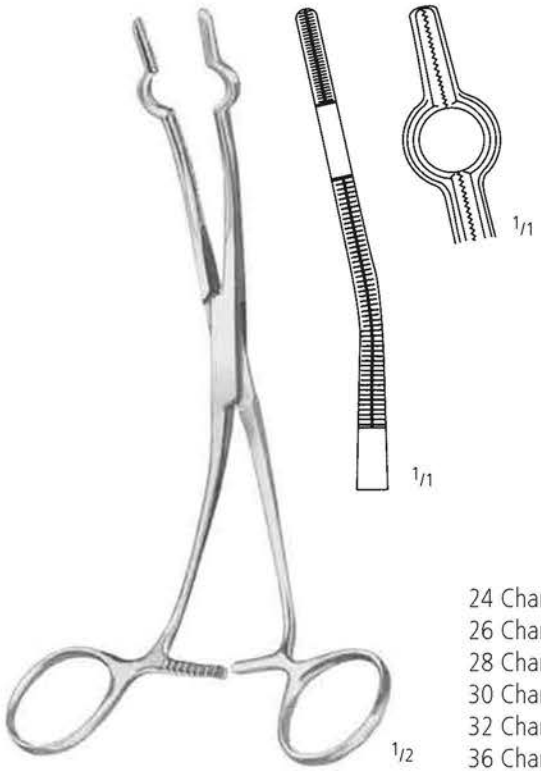
ATRAU nopa




**JAVID**
KK 561/18
18,0 cm/7"




**JAVID**
KK 561/19
19,0 cm/7½"



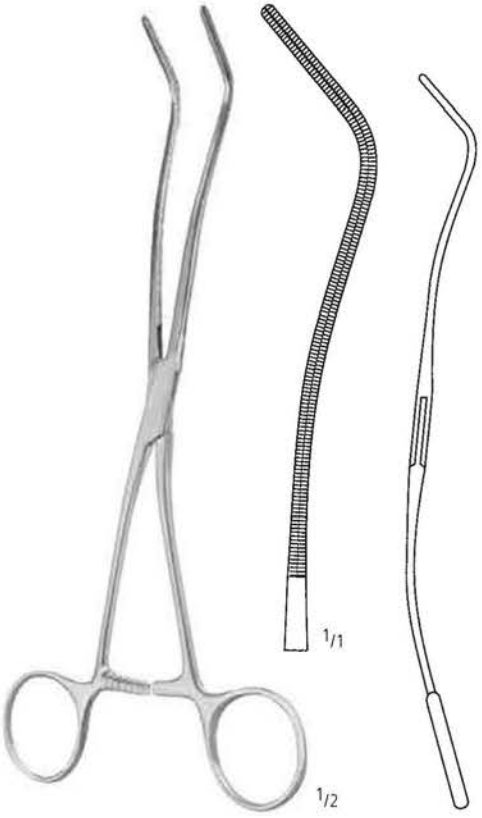

**COOLEY**

| | | |
|---|---|---|
| 24 Charr. | 16,0 cm/6¼" | KK 565/24 |
| 26 Charr. | 16,0 cm/6¼" | KK 565/26 |
| 28 Charr. | 20,0 cm/8" | KK 565/28 |
| 30 Charr. | 20,0 cm/8" | KK 565/30 |
| 32 Charr. | 20,0 cm/8" | KK 565/32 |
| 36 Charr. | 20,0 cm/8" | KK 565/36 |

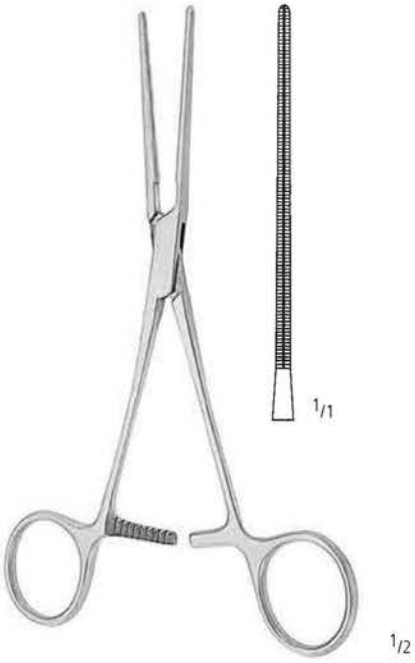
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa®

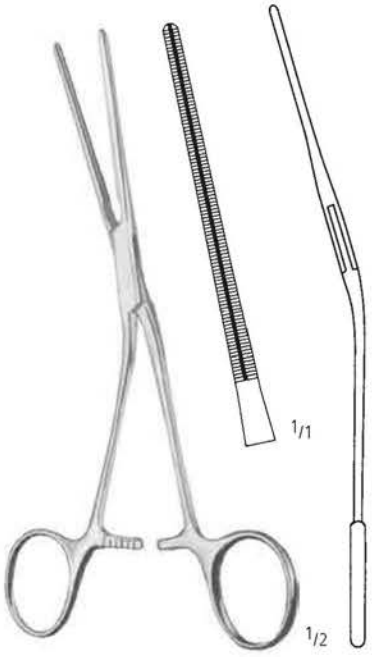
**COOLEY**




**COOLEY**
KK 571/20
20,0 cm/8"




**COOLEY**
KK 574/17
17,0 cm/6¾"



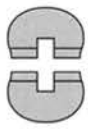

**COOLEY**
KK 575/17
17,0 cm/6¾"

graduiert - graduated

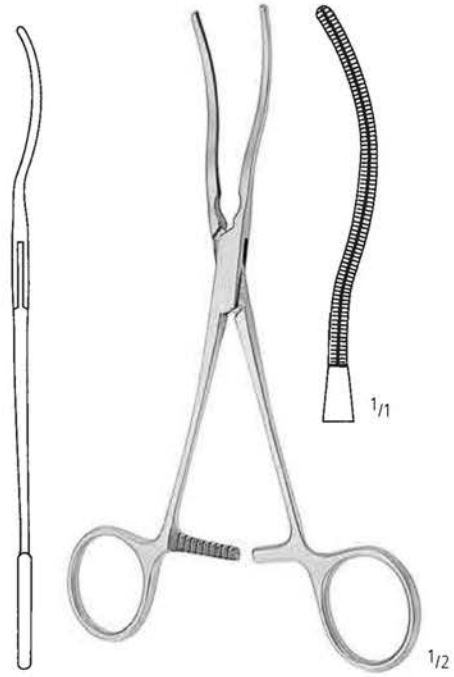
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma



ATRAU nopa®

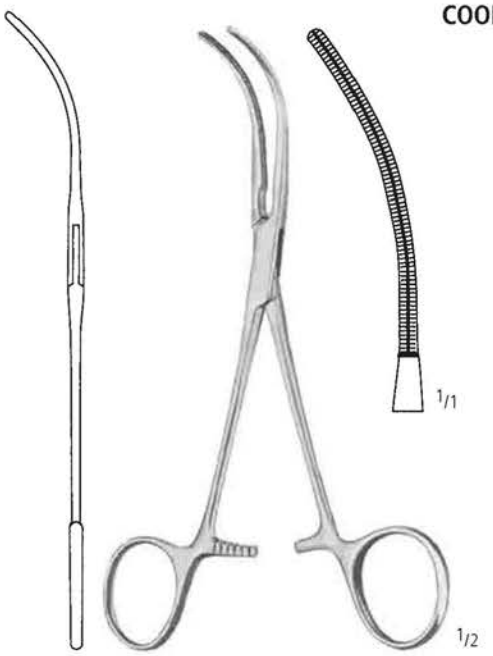


COOLEY

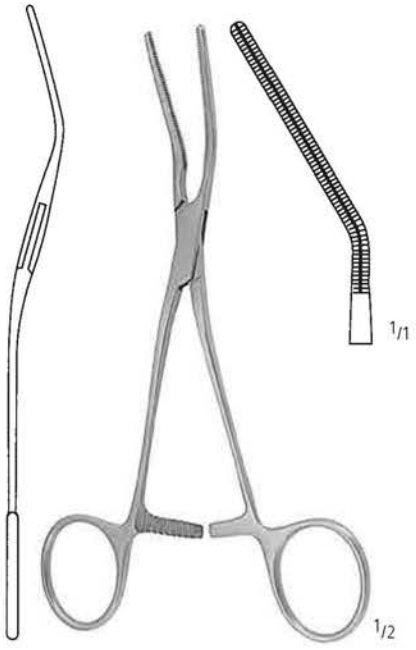



**COOLEY**
KK 577/17
17,0 cm/6¾"

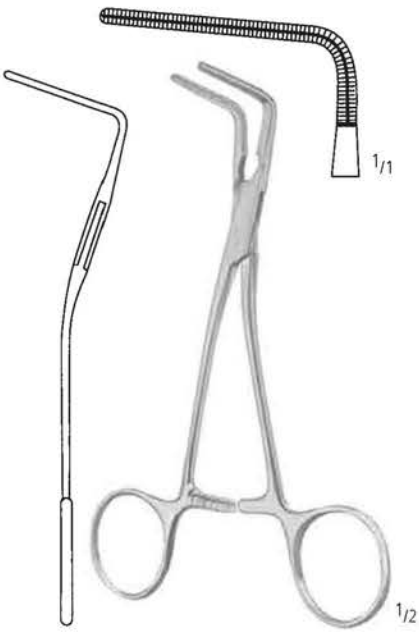
graduiert - graduated



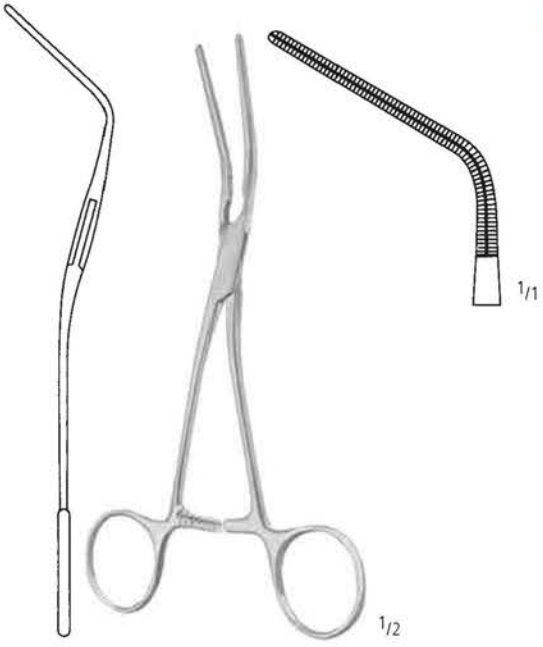

**COOLEY**
KK 579/17
17,0 cm/6¾"




**COOLEY**
KK 581/17
17,0 cm/6¾"




**COOLEY**
KK 583/15
15,0 cm/6"




**COOLEY**
KK 585/16
15,5 cm/6⅛"

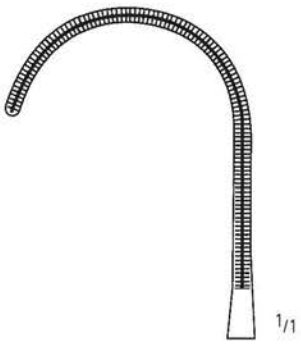
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa

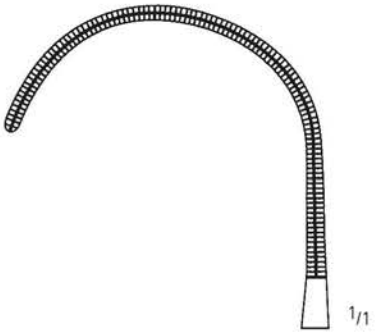
**COOLEY**



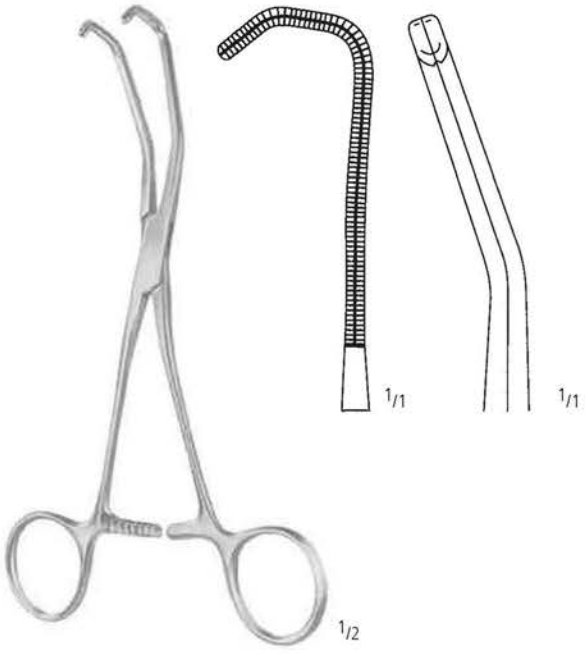

**COOLEY**




KK 587/16
16,0 cm/6¼"

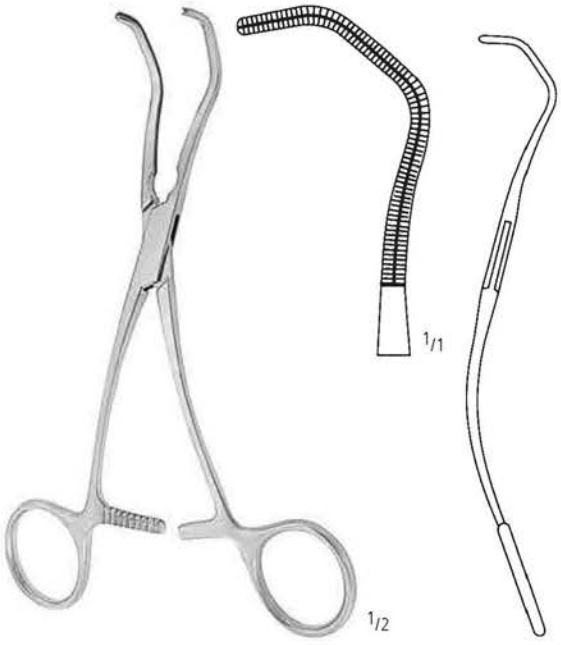



KK 587/17
17,0 cm/6¾"




**COOLEY**
KK 589/17
17,0 cm/6¾"

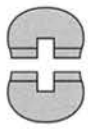
graduiert - graduated




**COOLEY**
KK 591/16
16,0 cm/6¼"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

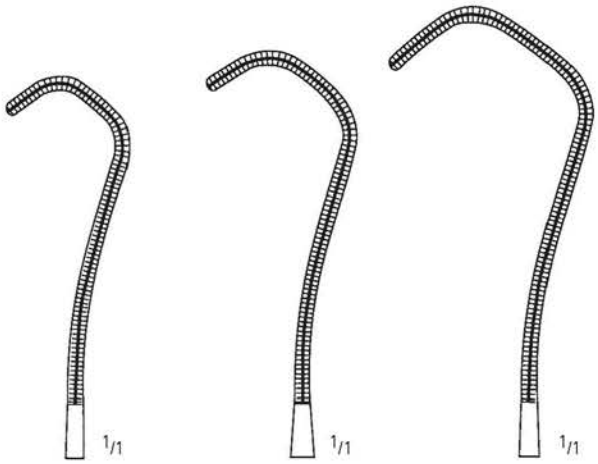
ATRAU nopa®



**COOLEY**




**COOLEY-DERRA**

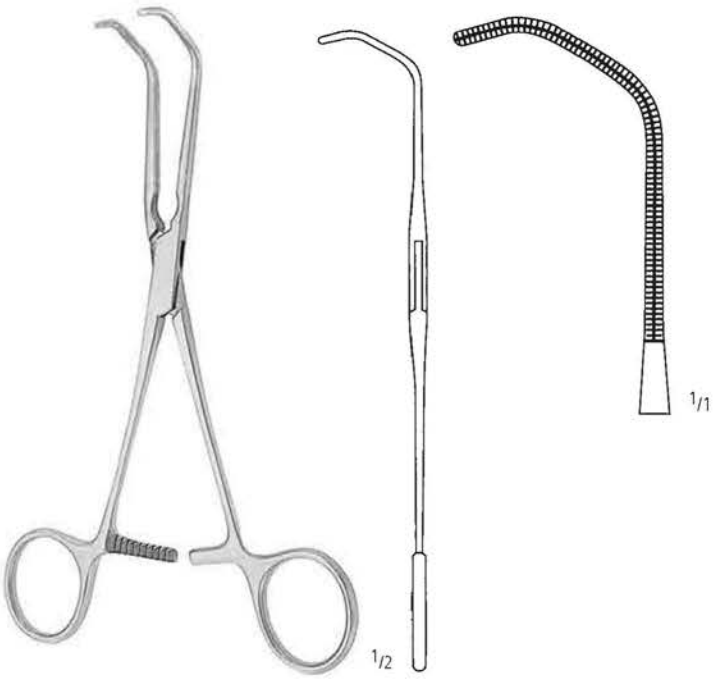



KK 593/16
16,0 cm/6¼"

KK 593/17
17,0 cm/6¾"

KK 593/18
18,0 cm/7"

graduiert - graduated




**BECK**
KK 595/17
17,0 cm/6¾"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

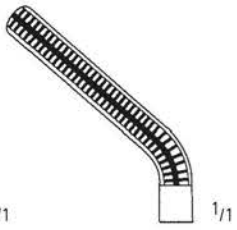


**DARDIK**

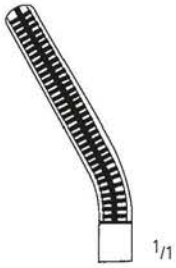
ATRAU nopa




KK 597/01
13,0 cm/5 1/4"



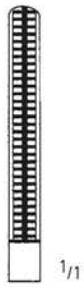

KK 597/02
14,5 cm/5 3/4"




KK 597/03
15,0 cm/6"



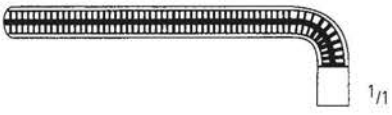

KK 597/04
15,0 cm/6"



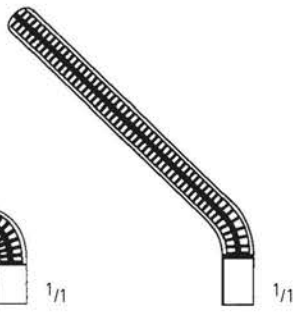

KK 597/05
15,0 cm/6"



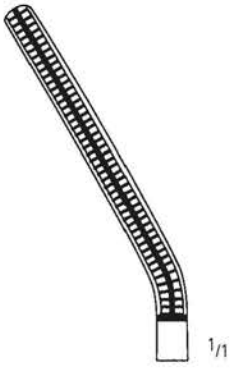

**DARDIK**



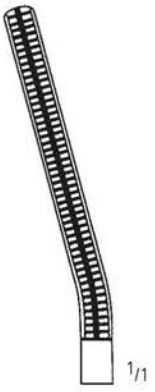

KK 599/01
13,5 cm/5 1/2"



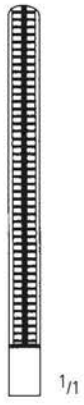

KK 599/02
16,0 cm/6 1/4"




KK 599/03
17,0 cm/6 3/4"

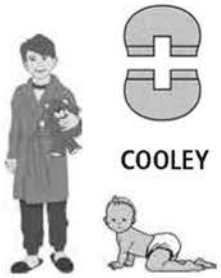



KK 599/04
17,0 cm/6 3/4"




KK 599/05
17,0 cm/6 3/4"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma





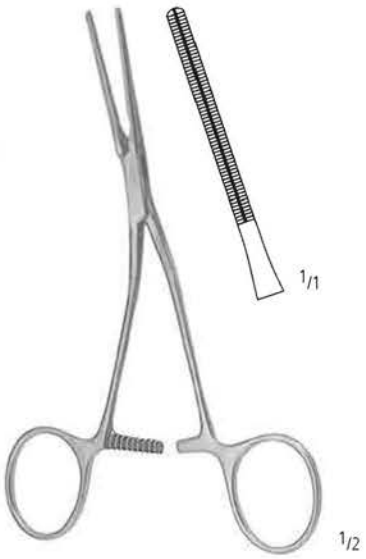


KK 600/14
14,0 cm/5½"

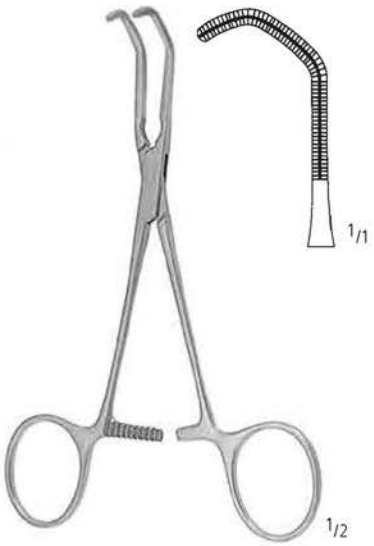
KK 601/14
14,0 cm/5½"

**COOLEY**

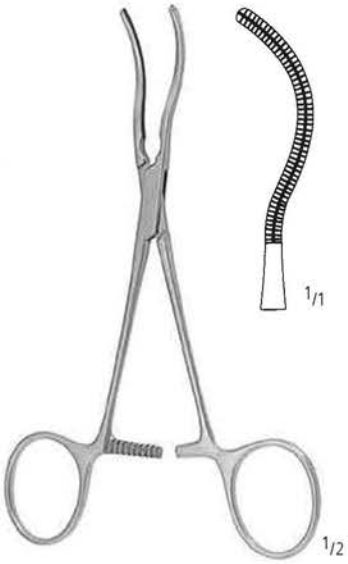
graduiert - graduated




**COOLEY**
KK 603/14
14,0 cm/5½"




**COOLEY**
KK 605/14
14,0 cm/5½"

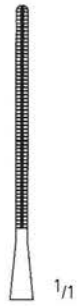



**COOLEY**
KK 607/14
14,0 cm/5½"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma



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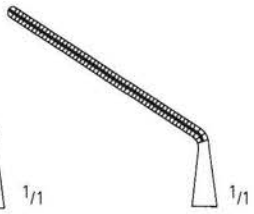

KK 611/01
14,0 cm/5½"




KK 611/02
14,0 cm/5½"



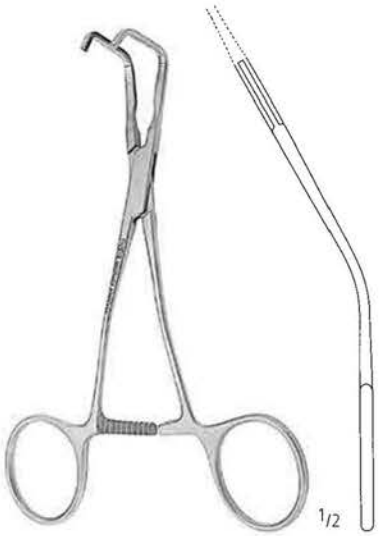

KK 611/03
14,0 cm/5½"

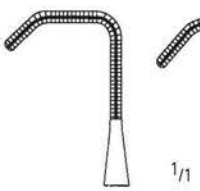



KK 611/04
13,0 cm/5"




KK 611/05
14,0 cm/5½"




KK 611/06
13,0 cm/5"




KK 611/07
13,0 cm/5"




KK 611/08
14,0 cm/5½"

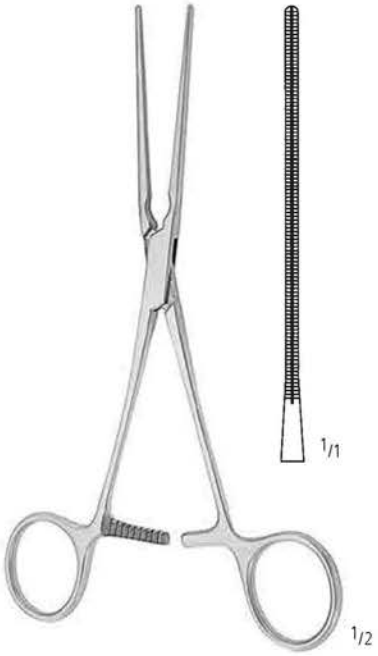



KK 611/09
13,5 cm/5¼"

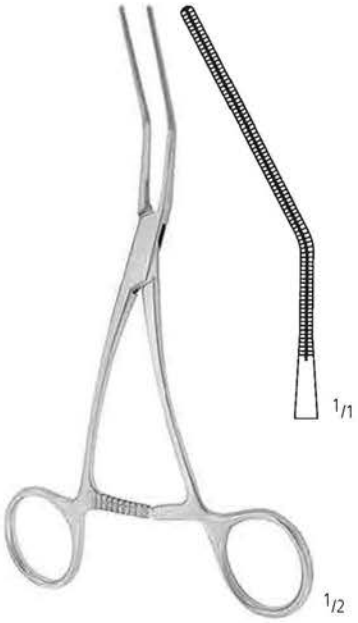
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

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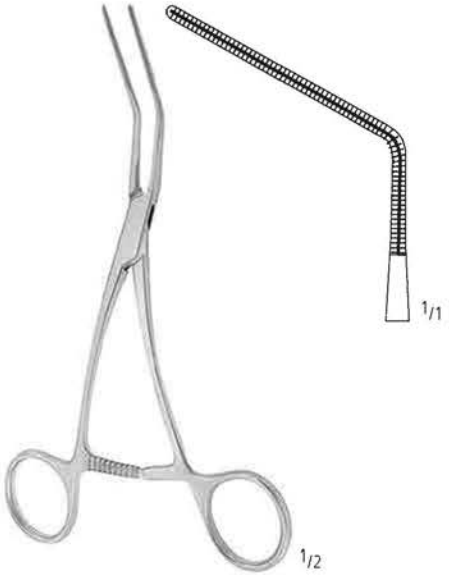




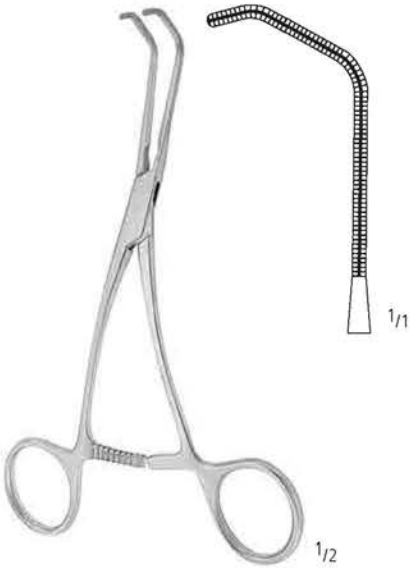

KK 620/16
16,5 cm/6 1/2"



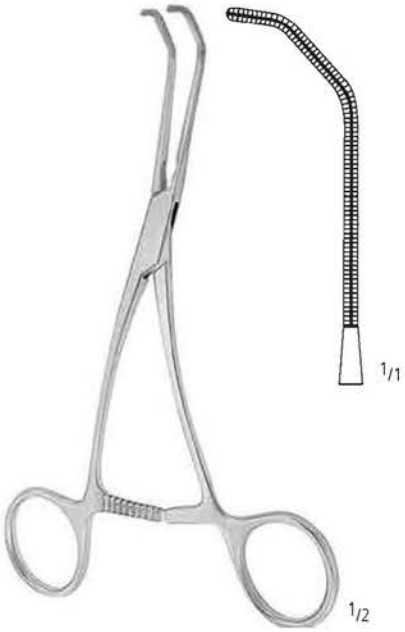

KK 621/16
16,0 cm/6 1/4"




KK 623/15
15,0 cm/6"




KK 625/15
15,0 cm/6"

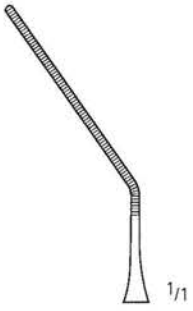



KK 627/15
15,5 cm/6 1/8"

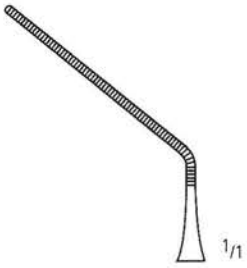
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

ATRAU nopa®





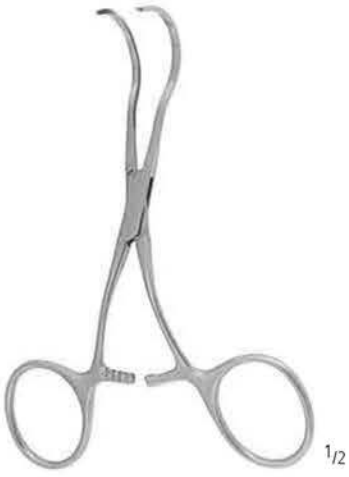

KK 635/01
13,0 cm/5"



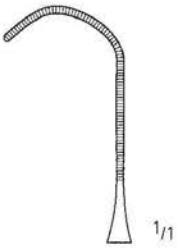

KK 635/02
13,0 cm/5"



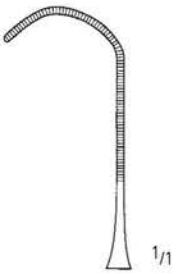

KK 635/03
11,0 cm/4 1/2"



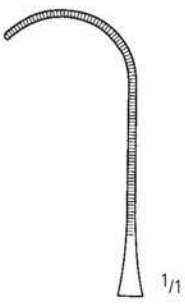

**CASTANEDA**




KK 635/04
12,0 cm/4 3/4"




KK 635/05
12,0 cm/4 3/4"




KK 635/06
12,0 cm/4 3/4"



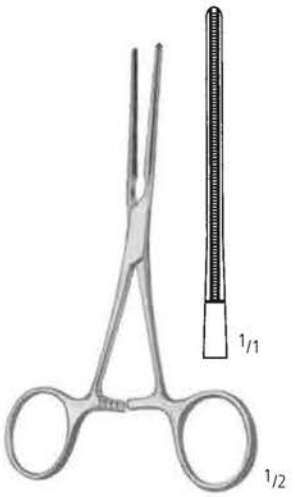

KK 635/07
14,0 cm/4 3/4"

graduiert - graduated

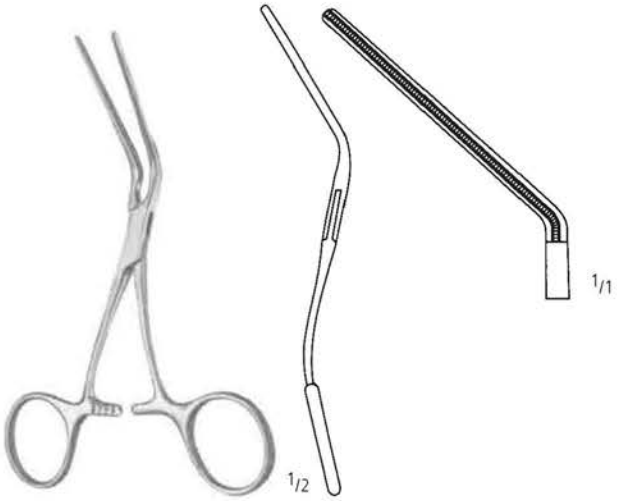
Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

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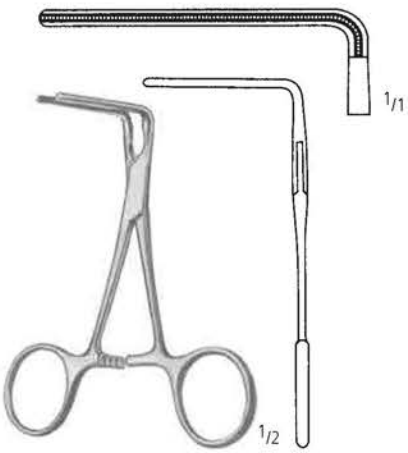



**DE BAKEY**
KK 637/12
12,0 cm/4 3/4"



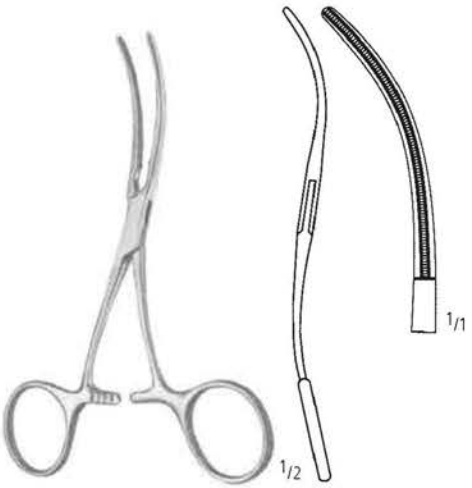

**DE BAKEY**
KK 639/13
13,0 cm/5 1/4"




**DE BAKEY**
KK 641/10
10,0 cm/4"




**DE BAKEY**
KK 643/11
11,0 cm/4 1/4"



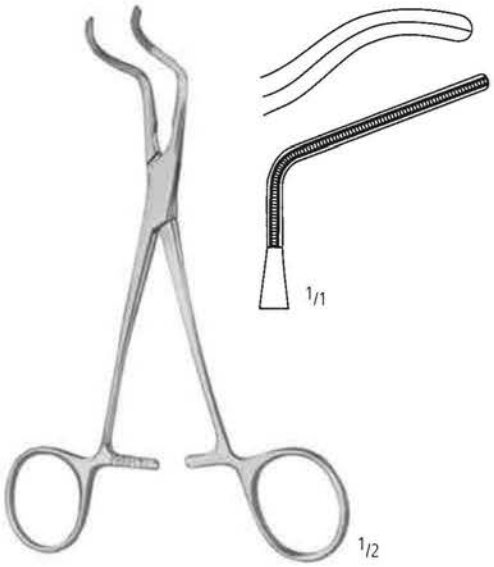

**DE BAKEY**
KK 645/12
12,0 cm/4 3/4"

Atrauma-Klemmen
Atrauma Forceps
Pinzas Atrauma
Pinces atraumatiques
Pinze Atrauma

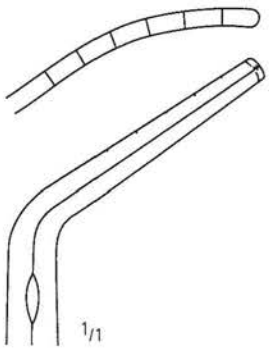


**DE BAKEY**

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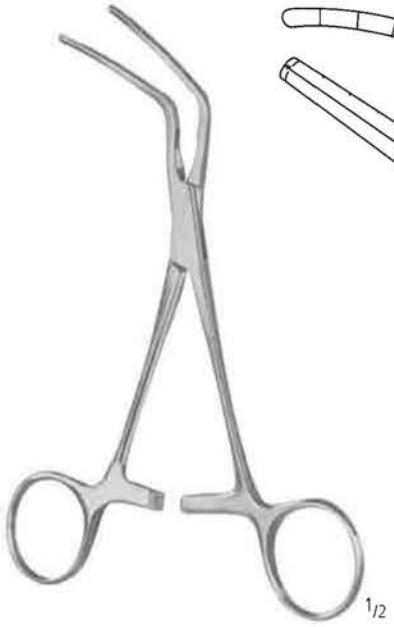

**SUBRAMANIAN-MINIATURE**
KK 651/15
15,5 cm/6"

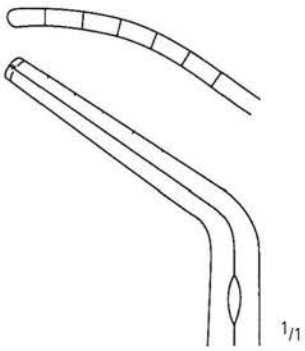






**SUBRAMANIAN**
KK 653/01
16,0 cm/6¼"




**SUBRAMANIAN**
KK 653/02
16,0 cm/6¼"

Bronchusklemmen, Lungenfasszangen
Bronchus clamps, Lung grasping forceps
Pinzas clamps bronquiales y para pulmon
Pinces-clamps à bronches et à poumons
Pinze per bronchi, Pinze per polmoni

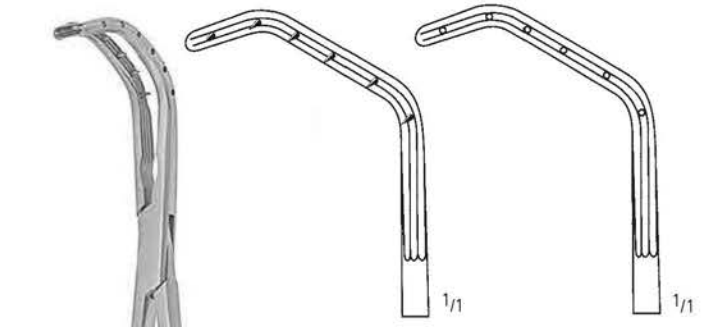


1/2



1/1

**PRICE-THOMAS**
KK 701/22
22,0 cm/8¾"



1/1 1/1

KK 702/01 KK 702/02



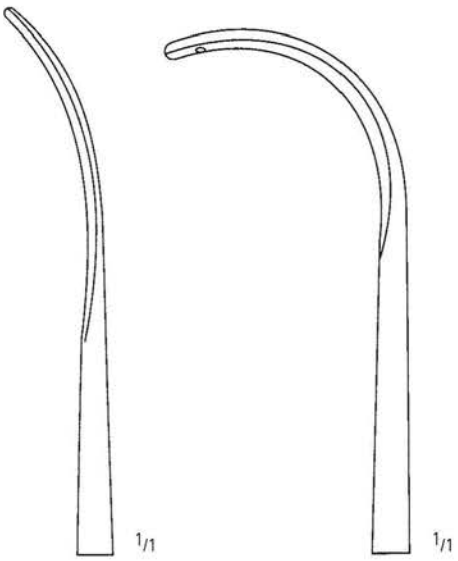
1/2

**PRICE-THOMAS**
22,0 cm/8¾"



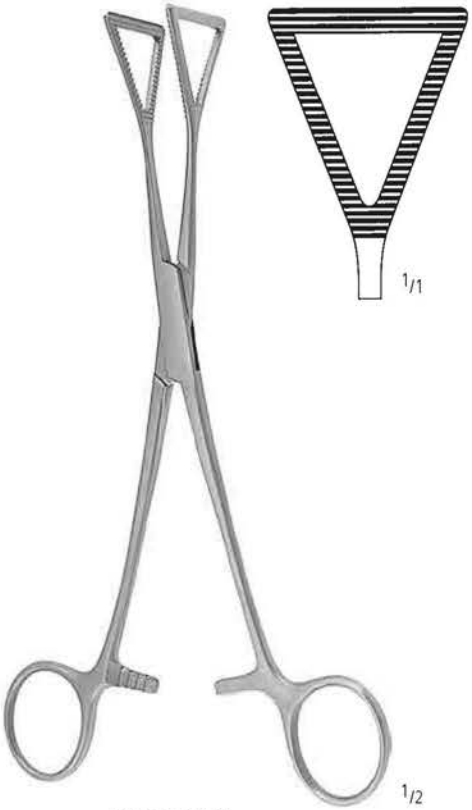
1/2

**SEMB**
24,0 cm/9½"



1/1 1/1

KK 703/01 KK 703/02



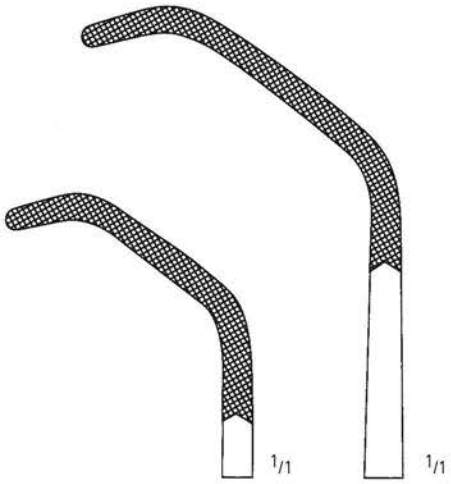
1/1 1/2

**LOVELACE**
KK 704/20
20,0 cm/8"

Vena-Cava Klemmen
Vena-Cava Forceps
Clamps Vena Cava
Pinces Vena Cava
Pinze Vena Cava




**SATINSKY**
26,0 cm/10½"



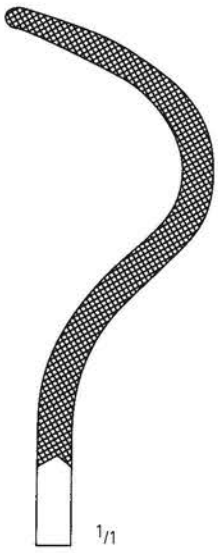

KK 707/01 KK 707/02



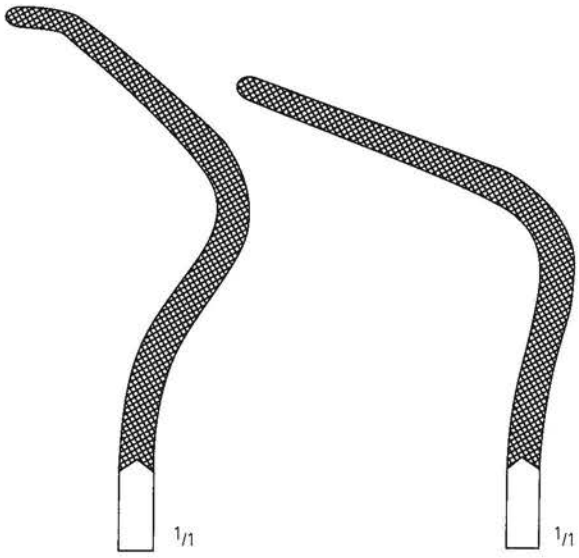

**BABY-SATINSKY**
KK 708/15
15,0 cm/6"




**HARKEN**
24,0 cm/9½"



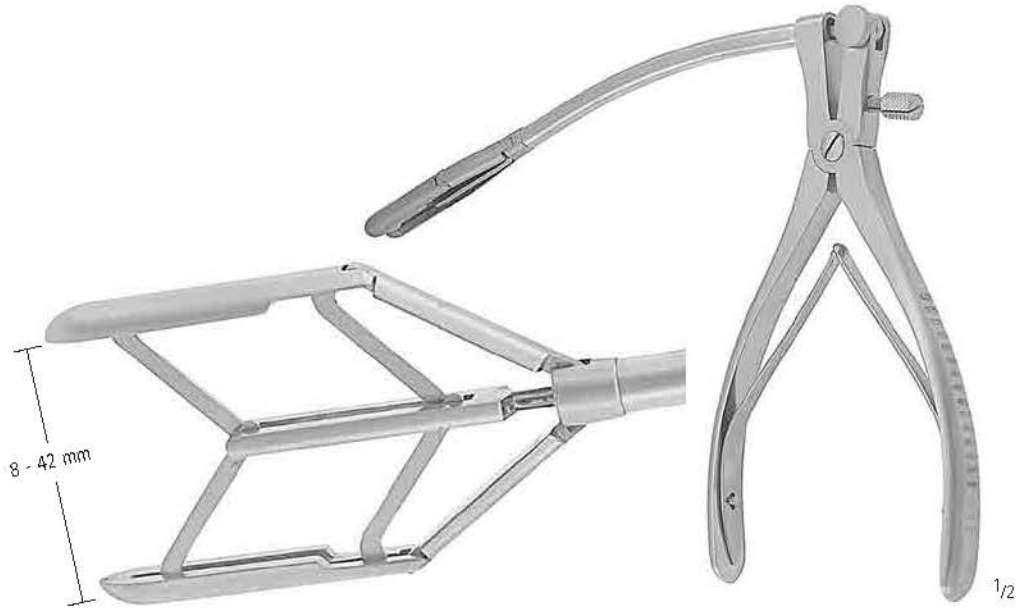

KK 709/01
24,0 cm/9½"



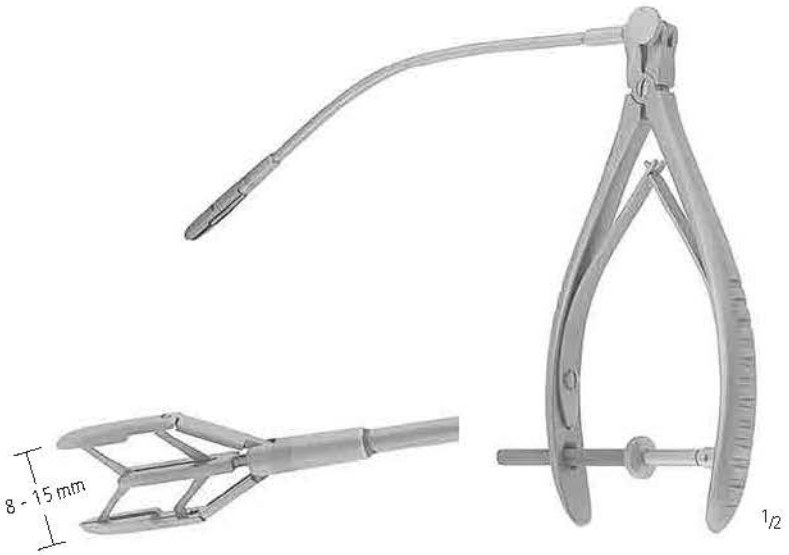

KK 709/02
24,0 cm/9½"

KK 709/03
24,0 cm/9½"

Dilatatoren, Tourniquet
Dilators, Tourniquets
Dilatadores, Torniquetes
Dilatateurs, Tourniquets
Dilatatori, Tornichetti




**TUBBS**
KK 720/42




**COOLEY**
KK 722/15




flexibel
flexible
flexibles
flexibles
flessibili

**RUMEL-BELMONT**

| | |
|---|---|
| Ø 3,2 mm | KK 730/32 |
| Ø 6,4 mm | KK 730/64 |

# THORAKOSKOPIE
# THORACOSCOPY
# TORACOSCOPIA
# THORACOSCOPIE
# TORACOSCOPIA

X

nopa® instruments

Weitere Endoskopie-Instrumente finden Sie in unserem Katalog „Endoskopie".

For further endoscopic instruments kindly refer to our catalogue „Endoscopy".

Para instrumental de endoscopía adicional, por favor consulte nuestro catálogo de „Endoscopía".

Pour des instruments d'endoscopie supplémentaires, consultez notre catalogue „Endoscopie".

Per gli altri strumenti endoscopia, consultare il nostro catalogo „Endoscopia".

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>> Optiken • Telescopes • Opticas • Optiques • Ottiche
304–305 1

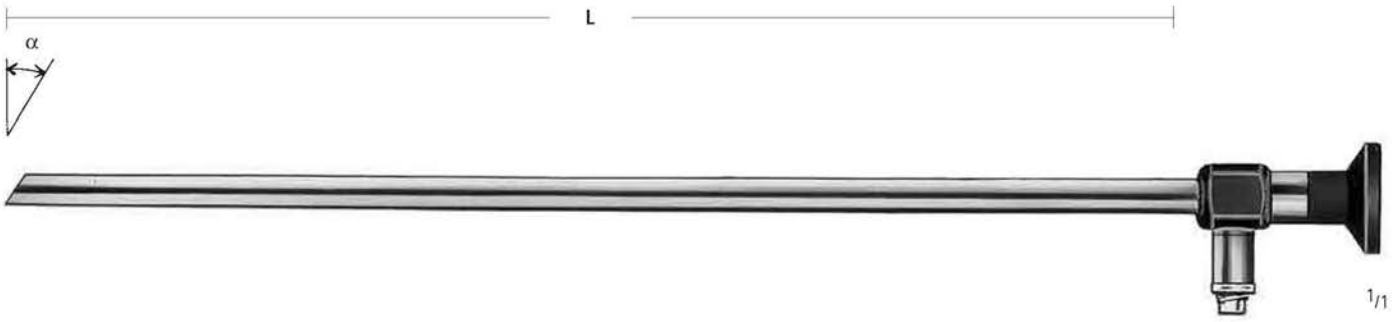
>> Instrumente für Laparoskopie / Thorax • Instruments for Laparoscopy / Thorax
Instrumentos para Laparoscopia / Tórax • Instruments pour Laparoscopie / Thorax
Strumenti per Laparoscopia / Torace
306–313 3

>> Elektroden / Saugen / Spülen / Kanülen / Trokare • Electrodes / Suction / Irrigation / Cannulae / Trocars • Electrodos / Succión / Irrigación / Agujas / Trócares • Electrodes / Aspiration / Irrigation / Canules / Trocarts • Elettrodi / Aspirazione / Irrigazione / Aghi speciali / Trequarti
314–325 5

>> HF-Zubehör • HF-accessories • AF-accesorios • HF-accessoires • AF-accessori
326–331 7

>> Kaltlichtquellen, Kameras • Cold light sources, cameras • Fuentes de luz fria, cámaras
Sources à lumière froide, caméras • Sorgente luce fredda, macchine fotografiche
332–341 18

>> Verschiedenes • Various items • Articulos diversos • Articles divers • Articoli diversi
342–343 22




1/1

| Ø mm | α = 0° | α = 30° | L |
|---|---|---|---|
| 5,0 | XP 720/50 | XP 720/53 | 336 mm |
| 6,5 | XP 720/60 | XP 720/63 | 336 mm |
| 8,0 | XP 721/80 | XP 721/83 | 340 mm |
| 10,0 | XP 722/90 | XP 722/93 | 344 mm |

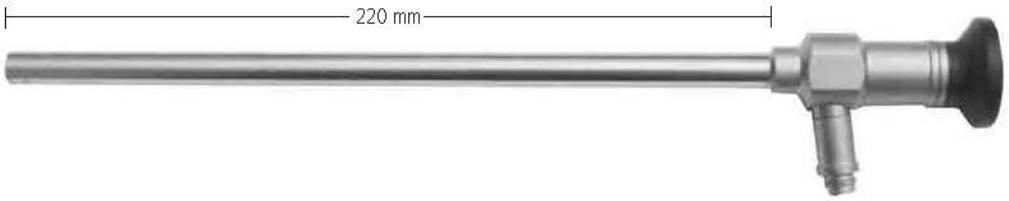
**>> autoklavierbar**
**autoclavable**

**>> mit Anschluss für**
**with adaptors for**

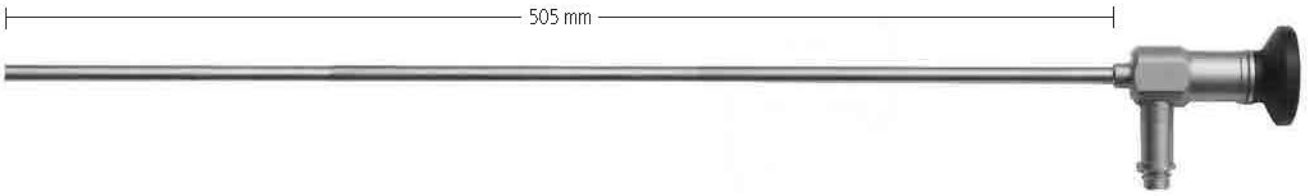
**Storz**
**Wolf**
**ACMI**

Thorakoskopie - Bronchoskopie
Thoracoscopy - Bronchoscopy
Toracoscopia - Bronquioscopia
Thoracoscopie - Bronchoscopie
Toracoscopia - Broncoscopia






| Ø mm | α = 0° | α = 30° |
|---|---|---|
| 10,0 | XP 728/10 | XP 728/13 |




| Ø mm | α = 0° | α = 30° |
|---|---|---|
| 5,5 | XP 729/50 | XP 729/53 |

**>> autoklavierbar**
**autoclavable**

**>> mit Anschluss für**
**with adaptors for**

**Storz**
**Wolf**
**ACMI**

# easyClean®

Ø 5,0 mm, 10,0 mm, 2-teilig / 2-piece

## THORAX



XM 010/00



XM 014/00



XM 016/00

Bestellinformation: Bestellen Sie bitte Griff und Arbeitseinsatz
Ordering information: Please order handle and working tip

Scharfe Präparation, Fasszangen
Sharp Dissection, Grasping Forceps
Disección punta, Pinzas de aprehensión
Dissection tranchant, Pinces à Préhension
Dissezione tagliente, Pinze da presa

# easyClean®

Ø 5,0 mm, 10,0 mm, 2-teilig / 2-piece

# THORAX



Bestellinformation: Bestellen Sie bitte Griff und Arbeitseinsatz
Ordering information: Please order handle and working tip



36,0 cm/14"

METZENBAUM — Ø 5,0 mm — XM 300/01



PERITONEUM SCHERE
PERITONEAL SCISSORS — Ø 5,0 mm — XM 300/02



MIKROSCHERE
MICRO SCISSORS — Ø 5,0 mm — XM 300/03



LÖFFEL
SPOON — Ø 5,0 mm — XM 300/04



STARKE GREIFZANGE
STRONG GRASPER — Ø 5,0 mm — XM 300/10



GREIFZANGE
GRASPING FORCEPS — Ø 5,0 mm — XM 300/11

Fasszangen
Grasping Forceps
Pinzas de aprehensión
Pinces à préhension
Pinze da presa

easyClean®

Ø 5,0 mm, 10,0 mm, 2-teilig / 2-piece

# THORAX

Bestellinformation: Bestellen Sie bitte Griff und Arbeitseinsatz
Ordering information: Please order handle and working tip



36,0 cm/14"

McKERNAN — Ø 5,0 mm — XM 300/12



GEZAHNTER GREIFER KOBRA
TOOTHED GRASPER COBRA — Ø 5,0 mm — XM 300/13



FASSZANGE GEFENSTERT
GRASPING FORCEPS FENSTERED — Ø 5,0 mm — XM 300/14



BABCOCK - ALLIS — Ø 5,0 mm — XM 300/15



DUVAL — Ø 10,0 mm — XM 300/16

Fasszangen
Grasping Forceps
Pinzas de aprehensión
Pinces à préhension
Pinze da presa

easyClean®

Ø 5,0 mm, 10,0 mm, 2-teilig / 2-piece

# THORAX



Bestellinformation: Bestellen Sie bitte Griff und Arbeitseinsatz
Ordering information: Please order handle and working tip



KOCHER KLAMMERZANGE
KOCHER CLAMPING FORCEPS

| | | |
|---|---|---|
| | | 36,0 cm/14" |
| Ø 10,0 mm | | XM 300/17 |



| | |
|---|---|
| Ø 5,0 mm | XM 300/18 |



MARYLAND

| | |
|---|---|
| Ø 5,0 mm | XM 300/19 |

Scharfe Präparation, Fasszangen
Sharp Dissection, Grasping Forceps
Disección punta, Pinzas de aprehensión
Dissection tranchant, Pinces à Préhension
Dissezione tagliente, Pinze da presa

Ø 5,0 mm, 10,0 mm, 1-teilig / 1-piece

# THORAX



36,0 cm/14"



| | | |
|---|---|---|
| METZENBAUM | Ø 5,0 mm | XM 301/01 |



| | | |
|---|---|---|
| | Ø 5,0 mm | XM 301/02 |



| | | |
|---|---|---|
| PERITONEUM SCHERE<br>PERITONEAL SCISSORS | Ø 5,0 mm | XM 301/03 |



| | | |
|---|---|---|
| MIKROSCHERE<br>MICRO SCISSORS | Ø 5,0 mm | XM 301/04 |



| | | |
|---|---|---|
| LÖFFEL<br>SPOON | Ø 5,0 mm | XM 301/10 |



| | | |
|---|---|---|
| STARKE GREIFZANGE<br>STRONG GRASPER | Ø 5,0 mm | XM 301/11 |
| GREIFZANGE<br>GRASPING FORCEPS | | |

Fasszangen
Grasping Forceps
Pinzas de aprehensión
Pinces à préhension
Pinze da presa

# THORAX

Ø 5,0 mm, 10,0 mm, 1-teilig / 1-piece





36,0 cm/14"

McKERNAN

Ø 5,0 mm — XM 301/12



Ø 5,0 mm — XM 301/13



Ø 5,0 mm — XM 301/14

FASSZANGE GEFENSTERT
GRASPING FORCEPS FENESTRATED



Ø 5,0 mm — XM 301/15

BABCOCK - ALLIS



Ø 10,0 mm — XM 301/16

DUVAL

Fasszangen
Grasping Forceps
Pinzas de aprehensión
Pinces à préhension
Pinze da presa

Ø 5,0 mm, 10,0 mm, 1-teilig / 1-piece

# THORAX



36,0 cm/14"



KOCHER KLAMMERZANGE
KOCHER CLAMPING FORCEPS

Ø 10,0 mm XM 301/17



ATRAUMATISCHER GREIFER
ATRAUMATIC GRASPER

Ø 5,0 mm XM 301/18



MARYLAND

Ø 5,0 mm XM 301/19

Retraktoren
Retractors
Separadores
Ecarteurs
Divaricatori

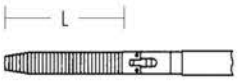








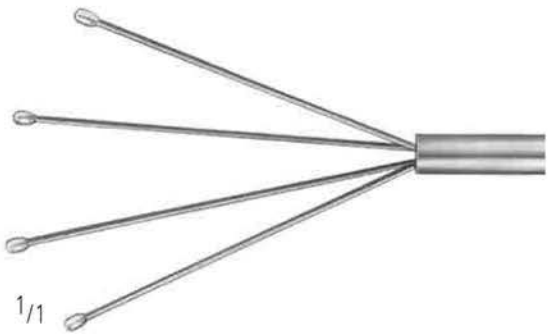
Ø 10,0 mm XM 570/00




L = 50,0 mm XM 570/50

L = 75,0 mm XM 570/75



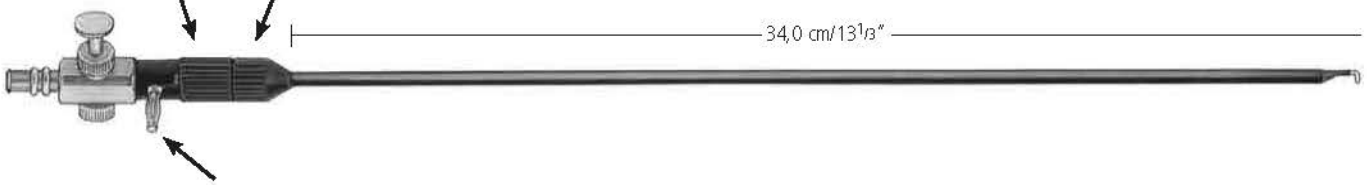




Ø 5,0 mm XM 571/05

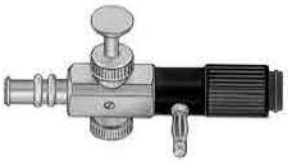
Elektroden mit Absaugung
Electrodes with suction tube
Electrodos con tubo de succión
Electrodes avec canule d'aspiration
Elettrodi con tubo d'aspirazione

# nopa econom

360° drehbar
360° rotatable




HF-Anschluss immer in der selben Position
HF-connector always in same postition



XK 546/00



XK 547/00



XK 548/00

perfekte Reinigung
perfect cleaning



Ø 5,0 mm
XK 549/01



Ø 5,0 mm
XK 549/02



Ø 5,0 mm
XK 549/03



Ø 5,0 mm
XK 549/04

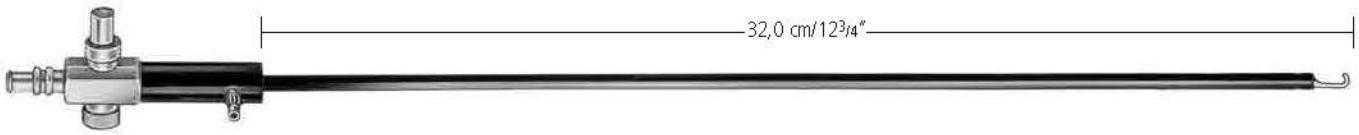


**nopa-econom** Elektroden sind durch LUER-LOCK Kupplung leicht auseinandernehmbar. Trotz Verwendung von hochwertigstem Isoliermaterial werden Elektrodenschäfte immer wieder durch unsachgemäße Handhabung oder Reinigung beschädigt. Das nopa System garantiert schnelles und enorm kostengünstiges Auswechseln. Durch unsere Kombinationsmöglichkeiten ergeben sich bereits bei der Grundausstattung erhebliche wirtschaftliche Vorteile.

**nopa-econom** electrodes are easy to take apart by means of a LUER-LOCK coupling (connection). Although our electrode shafts are coated with superb insulation material, the insulation is very often damaged due to improper handling or cleaning procedures. The nopa system guarentees a fast, reliable and inexpensive exchange of shafts. The combination possibilities offer enormous cost advantages even for a basic instrument set.

Elektroden mit Absaugung
Electrodes with suction tube
Electrodos con tubo de succión
Electrodes avec canule d´aspiration
Elettrodi con tubo d´aspirazione








2/1

Ø 5,0 mm XK 550/01



2/1

Ø 5,0 mm XK 550/02



2/1

Ø 5,0 mm XK 550/03



2/1

Ø 5,0 mm XK 550/04



2/1

Ø 5,0 mm XK 550/05

Elektroden mit Absaugung
Electrodes with suction tube
Electrodos con tubo de succión
Electrodes avec canule d'aspiration
Elettrodi con tubo d'aspirazione






2/1

Ø 5,0 mm XK 554/01



2/1

Ø 5,0 mm XK 554/02



2/1

Ø 5,0 mm XK 554/03



2/1

Ø 5,0 mm XK 554/04



2/1

Ø 5,0 mm XK 554/05

Elektroden ohne Absaugung
Electrodes without suction tube
Electrodos sin tubo de succión
Electrodes sans canule d'aspiration
Elettrodi senza tubo d'aspirazione








2/1

Ø 5,0 mm XK 556/01



2/1

Ø 5,0 mm XK 556/02



2/1

Ø 5,0 mm XK 556/03



2/1

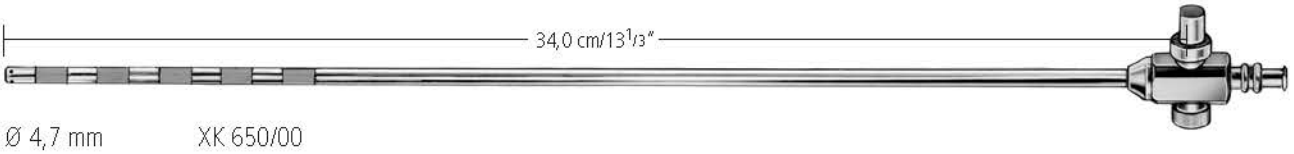
Ø 5,0 mm XK 556/04



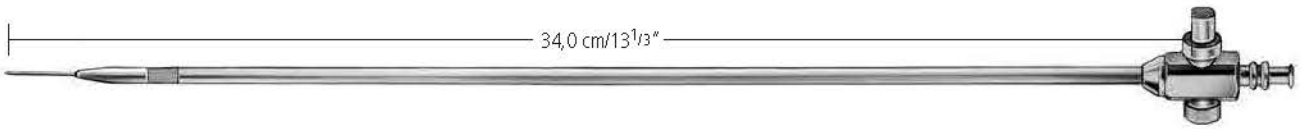
2/1

Ø 5,0 mm XK 556/05

Saug- und Spülrohre, Punktionskanülen
Suction and irrigation tubes, Puncture needles
Cánulas de aspiración, Agujas para punción
Canules d´aspiration, Aiguilles pour ponction
Cannule per aspirazione, Aghi per puntura



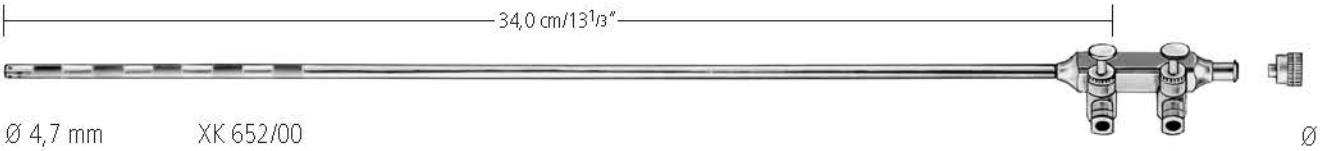

Ø 4,7 mm XK 650/00 Ø 3,0 mm



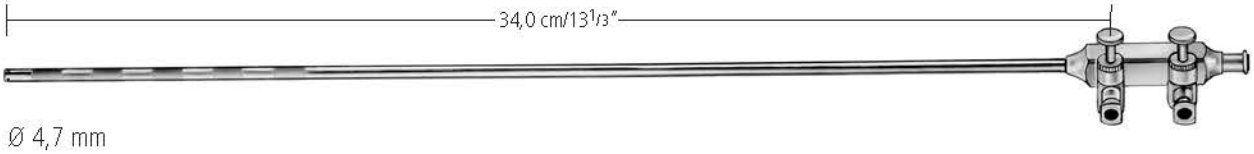

Ø 4,7 mm XK 651/00 Ø 3,0 mm



2/1




Ø 4,7 mm XK 652/00 Ø 3,0 mm




Ø 4,7 mm Ø 3,0 mm



**LASER**

Ø 2,3 mm XK 653/00

Saug- und Spülrohre
Suction and irrigation tubes
Cánulas de aspiración
Canules d'aspiration
Cannule per aspirazione





Saug und Spül Pistolenhandgriff
Suction and irrigation handle

XK 663/01



XK 663/03

Ø 3,0 mm



XK 663/05

Ø 5,0 mm



XK 663/10

Ø 10,0 mm

XK 663/00 = XK 663/01
XK 663/03
XK 663/05
XK 663/10

Elektroden mit Absaugung
Electrodes with suction tube
Electrodos con tubo de succión
Electrodes avec canule d'aspiration
Elettrodi con tubo d'aspirazione



Saug und Spül Pistolenhandgriff
Suction and irrigation handle

XK 663/01

Adapter für Elektroden
Adaptor for electrodes



XK 663/20





Ø 5,0 mm XK 549/01



Ø 5,0 mm XK 549/02



Ø 5,0 mm XK 549/03



Ø 5,0 mm XK 549/04

**nopa-econom** Elektroden sind durch LUER-LOCK Kupplung leicht auseinandernehmbar. Trotz Verwendung von hochwertigstem Isoliermaterial werden Elektrodenschäfte immer wieder durch unsachgemäße Handhabung oder Reinigung beschädigt. Das nopa System garantiert schnelles und enorm kostengünstiges Auswechseln. Durch unsere Kombinationsmöglichkeiten ergeben sich bereits bei der Grundausstattung erhebliche wirtschaftliche Vorteile.

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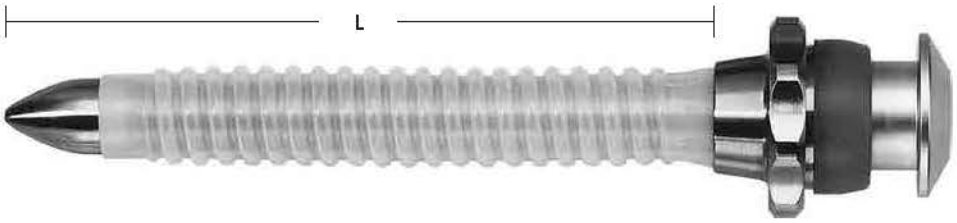
Trokarhülsen und Trokare
Trocar sleeves and trocars
Camisa para trocares y trocares
Trocards à manche et trocards
Manicotti trequarti e trequarti



# THORAX




| Satz<br>Set | | |
|---|---|---|
| Ø 6,0 mm | L=5,0 cm/2" | XK 645/06 |
| Ø 11,0 mm | L=5,0 cm/2" | XK 645/11 |
| Ø 13,0 mm | L=5,0 cm/2" | XK 645/13 |



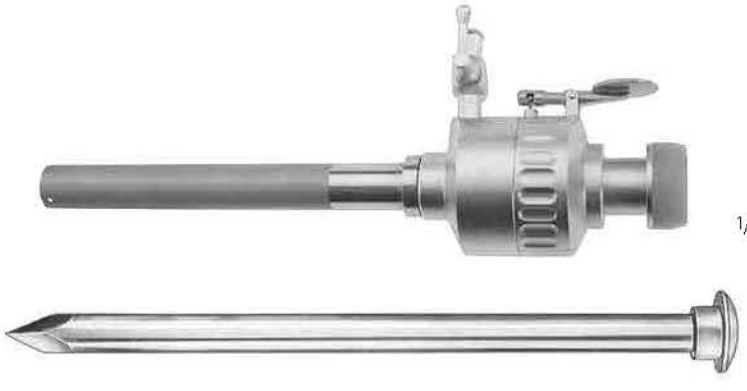

| Satz<br>Set | | |
|---|---|---|
| Ø 6,0 mm | L=7,0 cm/2¾" | XK 647/06 |
| Ø 6,0 mm | L=10,0 cm/4" | XK 647/16 |
| Ø 11,0 mm | L=7,0 cm/2¾" | XK 648/11 |
| Ø 11,0 mm | L=10,0 cm/4" | XK 648/21 |

Flexible Kunststoffrohre, Verpackungseinheit 5 Stück
Flexible plastic tubes, packing unit 5 pieces

| | | |
|---|---|---|
| Ø 6,0 mm | L=7,0 cm/2¾" | XK 647/26 |
| Ø 6,0 mm | L=10,0 cm/4" | XK 647/36 |
| Ø 11,0 mm | L=7,0 cm/2¾" | XK 648/31 |
| Ø 11,0 mm | L=10,0 cm/4" | XK 648/41 |

Trokarhülsen und Trokare
Trocar sleeves and trocars
Camisa para trocares y trocares
Trocards à manche et trocards
Manicotti trequarti e trequarti

Manuelle Ventilöffnung
Manual valve opening



1/2

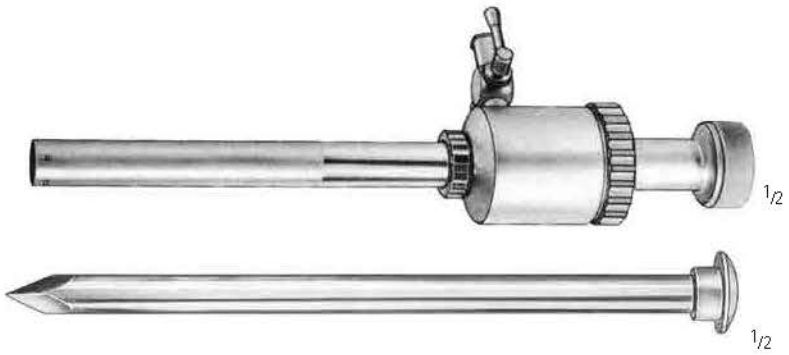
1/2

| Satz | | |
|---|---|---|
| Set | | |
| Ø | 3,5 mm | XK 650/03 |
| Ø | 5,0 mm | XK 650/05 |
| Ø | 5,5 mm | XK 650/06 |
| Ø | 10,0 mm | XK 650/10 |
| Ø | 11,0 mm | XK 650/11 |
| Ø | 12,5 mm | XK 650/12 |

Trokarhülsen und Trokare
Trocar sleeves and trocars
Camisa para trocares y trocares
Trocards à manche et trocards
Manicotti trequarti e trequarti



Klappenventil
Flap valve




| Satz | | |
|---|---|---|
| Set | | |
| Ø | 3,5 mm | XK 652/03 |
| Ø | 5,0 mm | XK 652/05 |
| Ø | 5,5 mm | XK 652/06 |
| Ø | 10,0 mm | XK 652/10 |
| Ø | 11,0 mm | XK 652/11 |
| Ø | 12,5 mm | XK 652/12 |

Trokaraufsätze, Reduzierstücke
Trocar stop with thread, Reducers
Tope de trocar con cuerda, Reductores
Stop trocards, Reducteurs
Inserto per trequarti, Riduttore



| | |
|---|---|
| Ø 5,5 mm | XK 700/05 |
| Ø 11,0 mm | XK 700/11 |

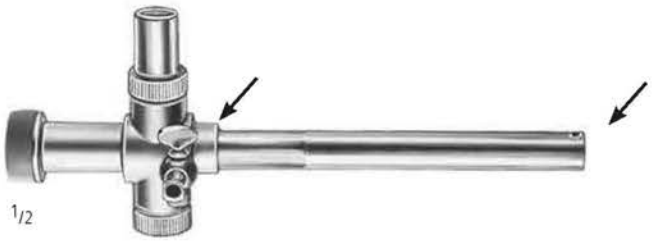


| | |
|---|---|
| Ø 5,0 mm | XK 702/05 |
| Ø 5,5 mm | XK 702/06 |
| Ø 10,0 mm | XK 702/10 |
| Ø 11,0 mm | XK 702/11 |
| Ø 12,0 mm | XK 702/12 |



| | | | |
|---|---|---|---|
| Ø 10,0 mm | → | 5,5 mm | XK 706/01 |
| Ø 11,0 mm | → | 5,5 mm | XK 706/02 |
| Ø 12,5 mm | → | 5,5 mm | XK 706/03 |
| Ø 12,5 mm | → | 10,0 mm | XK 706/04 |

Trokarhülsen und Trokare
Trocar sleeves and trocars
Camisa para trocares y trocares
Trocards à manche et trocards
Manicotti trequarti e trequarti


1/2

| | |
|---|---|
| Ø 5,0 mm | XK 750/05 |
| Ø 8,0 mm | XK 750/08 |
| Ø 10,0 mm | XK 750/10 |
| Ø 11,0 mm | XK 750/11 |
| Ø 12,5 mm | XK 750/12 |


1/2

| | |
|---|---|
| Ø 5,0 mm | XK 751/05 |
| Ø 12,5 mm | XK 751/12 |
| Ø 15,0 mm | XK 751/15 |
| Ø 20,0 mm | XK 751/20 |


1/2





| | | | |
|---|---|---|---|
| Ø 3,5 mm | XK 760/03 | XK 761/03 | XK 762/03 |
| Ø 5,0 mm | XK 760/05 | XK 761/05 | XK 762/05 |
| Ø 5,5 mm | XK 760/06 | XK 761/06 | XK 762/06 |
| Ø 8,0 mm | XK 760/08 | XK 761/08 | XK 762/08 |
| Ø 10,0 mm | XK 760/10 | XK 761/10 | XK 762/10 |
| Ø 11,0 mm | XK 760/11 | XK 761/11 | XK 762/11 |
| Ø 12,5 mm | XK 760/12 | XK 761/12 | XK 762/12 |
| Ø 15,0 mm | XK 760/15 | XK 761/15 | XK 762/15 |
| Ø 20,0 mm | XK 760/20 | XK 761/20 | XK 762/20 |





| | |
|---|---|
| Ø 5,0 mm | XK 763/05 |
| Ø 5,5 mm | XK 763/06 |
| Ø 10,0 mm | XK 763/10 |
| Ø 11,0 mm | XK 763/11 |
| Ø 12,5 mm | XK 763/12 |


1/2


1/2


1/2


1/2

| | | | |
|---|---|---|---|
| Ø 5,0 mm | XK 765/05 | XK 766/05 | XK 767/05 |
| Ø 8,0 mm | XK 765/08 | XK 766/08 | XK 767/08 |
| Ø 10,0 mm | XK 765/10 | XK 766/10 | XK 767/10 |
| Ø 11,0 mm | XK 765/11 | XK 766/11 | XK 767/11 |
| Ø 12,5 mm | | XK 766/12 | XK 767/12 |
| Ø 15,0 mm | | XK 766/15 | XK 767/15 |
| Ø 20,0 mm | | XK 766/20 | XK 767/20 |

Anschlusskabel
Connection cords
Cables de conexión
Câbles de raccordement
Cavi da connessione

monopolar bipolar



**MARTIN / BERCHTOLD**

| | | | |
|---|---|---|---|
| 300 cm | XR 827/03 | XR 828/03 | XR 830/03 |
| 500 cm | XR 827/05 | XR 828/05 | XR 830/05 |

monopolar bipolar monopolar bipolar



| | **ERBE** | **ERBE** | **ERBE/SELECT** | **ERBE** | **VALLEYLAB** |
|---|---|---|---|---|---|
| 300 cm | XR 831/03 | XR 831/13 | XR 832/03 | XR 833/03 | XR 834/03 |
| 500 cm | XR 831/05 | XR 831/15 | XR 832/05 | XR 833/05 | XR 834/05 |
| | (ACC/ICC) | (T-Serie) | | | (in D nicht zulässig nach MedGV) |

Elektroden
Electrodes
Electrodos
Electrodes
Elettrodi



# universal



XR 841/01



XR 841/02



XR 841/03



XR 841/04



XR 841/05



XR 841/06



XR 841/07



XR 841/08



XR 841/09



XR 841/10



XR 841/11



XR 841/12

Elektroden
Electrodes
Electrodos
Electrodes
Elettrodi

# universal



XR 843/01



XR 843/02



XR 843/03



XR 843/04



XR 843/05



XR 843/06



XR 843/07



XR 843/08



XR 843/09

Pinzetten monopolar
Forceps monopolar
Pinzas monopolares
Pinces monopolaires
Pinze monopolari



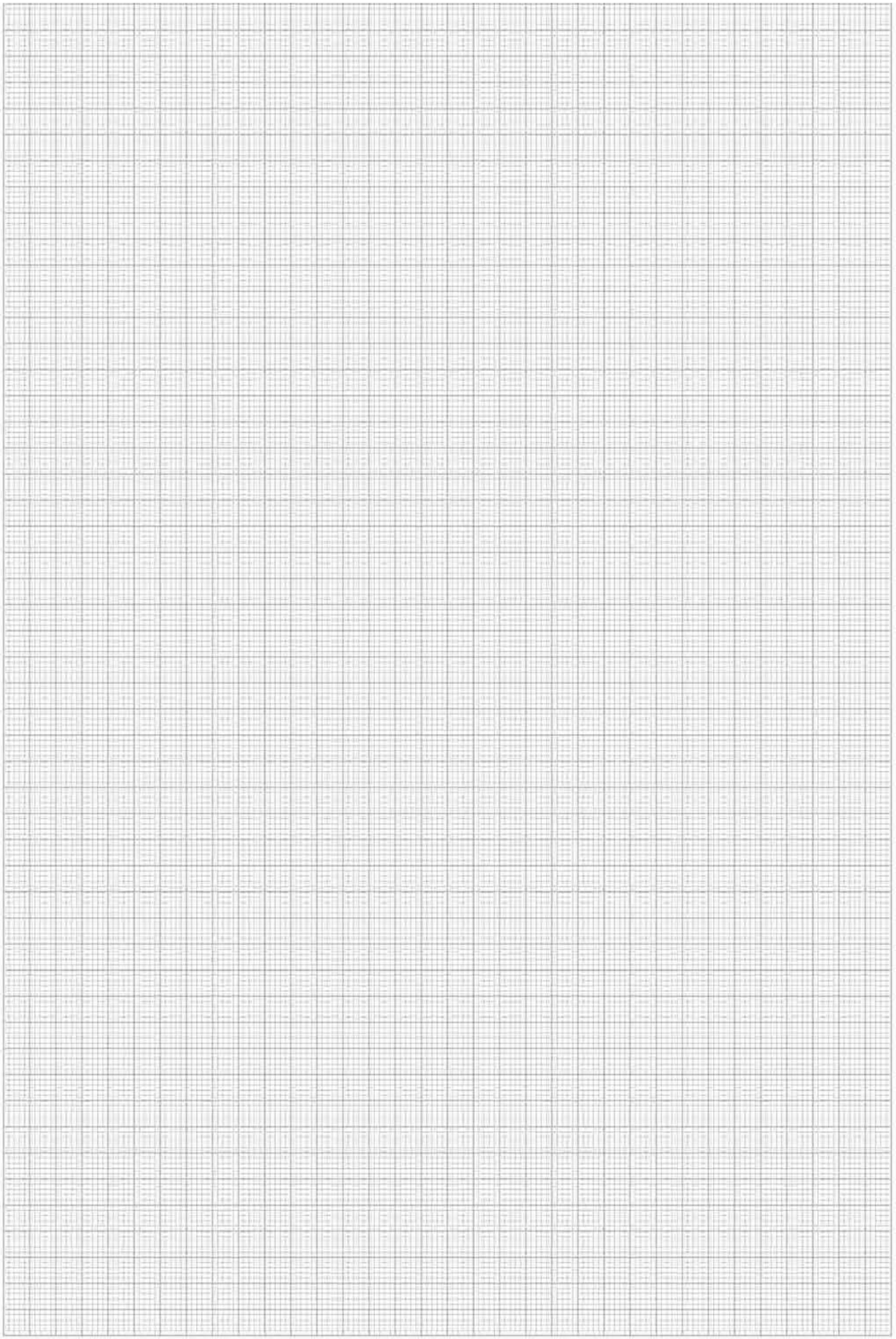

| | | | |
|---|---|---|---|
| 14,5 cm/5¾" | | | XR 882/15 |
| 16,0 cm/6¼" | | | XR 882/16 |
| 18,0 cm/7" | XR 880/18 | XR 881/18 | |
| 20,0 cm/8" | | | XR 882/20 |
| 21,0 cm/8¼" | XR 880/21 | XR 881/21 | |
| 25,0 cm/10" | XR 880/25 | XR 881/25 | |




mit Stecker
with plug
con clavija
avec fiche
con spina

mit Buchse
with jack
con enchufe
avec douille
con presa

| | | | | | | |
|---|---|---|---|---|---|---|
| 14,5 cm/5¾" | | | XR 885/15 | | | XR 888/15 |
| 16,0 cm/6¼" | | | XR 885/16 | | | XR 888/16 |
| 18,0 cm/7" | XR 883/18 | XR 884/18 | | XR 886/18 | XR 887/18 | |
| 20,0 cm/8" | | | XR 885/20 | | | XR 888/20 |
| 21,0 cm/8¼" | XR 883/21 | XR 884/21 | | XR 886/21 | XR 887/21 | |
| 25,0 cm/10" | XR 883/25 | XR 884/25 | | XR 886/25 | XR 887/25 | |



Bi-Koagulations-Pinzetten
Bi-Coagulation-Forceps
Pinzas para la Bi-Coagulación
Pince pour la Bi-Coagulation
Pinze per la Bi-Coagulazione




| | | | | | |
|---|---|---|---|---|---|
| 16,0 cm/6¼" | XR 890/16 A | XR 891/16 C | XR 894/16 C | | |
| 16,0 cm/6¼" | XR 890/16 C | XR 891/16 D | XR 894/16 D | | |
| 16,0 cm/6¼" | XR 890/16 E | XR 891/16 E | XR 894/16 E | | |
| 20,0 cm/8" | XR 890/20 A | XR 891/20 A | XR 894/20 A | | |
| 20,0 cm/8" | XR 890/20 C | XR 891/20 C | XR 894/20 C | XR 895/20 C | XR 896/20 C |
| 20,0 cm/8" | XR 890/20 E | XR 891/20 F | XR 894/20 E | | |
| 20,0 cm/8" | | | XR 894/20 F | | |
| 22,0 cm/8¾" | XR 890/22 A | XR 891/22 C | XR 894/22 D | | |
| 22,0 cm/8¾" | XR 890/22 C | | XR 894/22 E | XR 895/22 C | XR 896/22 C |

A=2,0 mm C=1,0 mm



D=0,5 mm E=Nadel F=Profil






| | | |
|---|---|---|
| 11,0 cm/4⅓" | XR 898/11 D | XR 899/11 D |
| 11,0 cm/4⅓" | XR 898/11 E | XR 899/11 E |

Kaltlichtkabel
Fibre optic cable
Cable fibra óptica
Câble fibre optique
Cavo fibra ottica



| | |
|---|---|
| XT 035/18 | Ø 3,5 mm, 180 cm |
| XT 035/23 | Ø 3,5 mm, 230 cm |
| XT 035/30 | Ø 3,5 mm, 300 cm |
| XT 045/18 | Ø 4,5 mm, 180 cm |
| XT 045/23 | Ø 4,5 mm, 230 cm |
| XT 045/30 | Ø 4,5 mm, 300 cm |
| XT 060/18 | Ø 6,0 mm, 180 cm |
| XT 060/23 | Ø 6,0 mm, 230 cm |
| XT 060/30 | Ø 6,0 mm, 300 cm |

**Kaltlicht-Grundkabel**
**Basic fibre optic cable**

- >> **Zusätzliche Isolierung**
- >> **Metallspirale**
- >> **Silikonmantel**
- >> **Sterilisierbar**
- >> **48-Stunden Reparatur-Service**

- >> **Additionally insulated**
- >> **Metal spiral**
- >> **Silicon tube**
- >> **Autoclavable**
- >> **48-hour repair-service**

Adapter
Adapter
Adaptador
Adaptateur
Adattatore



**Projektor-Seite**
**Projector side**

**Endoskop-Seite**
**Endoscope side**

XT 100/01



**STORZ**

XT 100/11



**STORZ/WINTER + IBE**
**OPLYMPUS/STRYKER**

XT 100/02



**WOLF/HENKE-SASS**

XT 100/12



**WOLF/HENKE-SASS**

XT 100/03



**ACM/HEINE**

XT 100/13



**ACM/HEINE**

XT 100/04



**WINTER + IBE**

XT 100/05



**OPLYMPUS**

**Bestellinformation / Ordering information**

>> **Bitte bestellen Sie Kaltlicht-grundkabel mit 2 Adaptern**

>> **Please order the basic fibre optic cable and two adapters**

Kaltlichtquellen
Cold light sources
Fuente de luz fria
Source à lumière froide
Sorgente luce fredda

# nopa light halogen 2 x 250W
## future 100



XT 170/00 = 110 - 230 VAC

XT 169/00 = Ersatzlampe
Spare bulb
Bombilla de recambio
Lampe de rechange
Lampadina di ricambio

### nopa light halogen 2 x 250W

**Beschreibung XT 170/00**

Die nopalight halogen 2 x 250 W Lichtquelle kann bei allen Einsätzen angewendet werden, besonders dann, wenn eine starke Ausleuchtung oder eine Videoaufzeichnung notwendig ist.

Alle modernen Autoshutter-Videokameras werden mit ausreichender Lichtzufuhr versorgt. Die zweite Lampe wird als Reserve bei Lampendefekten oder Lampenausfall durch sofortiges Umschalten während den Einsätzen aktiviert.

Spezielle Wärmeschutzfilter sorgen für eine Schonung der Lichtleiter und eine optimale Lichtfiltrierung. Das Gerät ist MedGV-geprüft.

**Technische Daten**

| | |
|---|---|
| Elektr. Versorgung: | 100-240 VAC/50-60Hz<br>Weltnetzteil |
| Farbtemperatur: | über 3500° K |
| Lichtregelung: | automatisch, stufenlos |
| Maße<br>(B x H x T): | 355 x 110 x 320 mm |
| Gewicht: | ca. 8,5 kg |

**Zubehör**

| | |
|---|---|
| Lampe XT 169/00: | 250 Watt Halogen |

### nopa light halogen 2 x 250W

**Description XT 170/00**

The nopalight halogen 2 x 250 W lightsource can be utilized in all procedures, especially if a strong illumination or video-monitoring is required.

All modern autoshutter-videocameras will be supplied with sufficient light-intensity, the second lamp serves as stand-by. Simply switch-over.

Special temperature-filters guarantee long life of light cables and optimal light output. The nopalight halogen 2 x 250 W lightsource is approved by MedGV.

**Technical data**

| | |
|---|---|
| Power supply: | 100-240 VAC/50-60Hz<br>world power supply |
| Color temperature: | more than 3500° K |
| Light control: | automatic |
| Measurements<br>(W x H x D): | 355 x 110 x 320 mm |
| Weight: | approx. 8,5 kg |

**Accessories**

| | |
|---|---|
| Bulb XT 169/00: | 250 Watt Halogen |

Kaltlichtquellen
Cold light sources
Fuente de luz fria
Source à lumière froide
Sorgente luce fredda

# nopa light halogen 2 x 250W
## future 100 duo

XT 171/00 = 110 - 230 VAC

XT 169/00 = Ersatzlampe
Spare bulb
Bombilla de recambio
Lampe de rechange
Lampadina di ricambio





## nopa light halogen 2 x 250W

**Beschreibung XT 171/00**

Die nopalight halogen 2 x 250 W Lichtquelle kann bei allen Einsätzen angewendet werden, besonders dann, wenn eine starke Ausleuchtung oder eine Videoaufzeichnung notwendig ist.

Alle modernen Autoshutter-Videokameras werden mit ausreichender Lichtzufuhr versorgt. Zwei Lampen - zwei umschaltbare Ausgänge.

Spezielle Wärmeschutzfilter sorgen für eine Schonung der Lichtleiter und eine optimale Lichtfiltrierung. Das Gerät ist MedGV-geprüft.

**Technische Daten**

| | |
|---|---|
| Elektr. Versorgung: | 100-240VAC/50-60Hz<br>Weltnetzteil |
| Farbtemperatur: | über 3500° K |
| Lichtregelung: | automatisch, stufenlos |
| Maße<br>(B x H x T): | 355 x 110 x 320 mm |
| Gewicht: | ca. 8,5 kg |

**Zubehör**

| | |
|---|---|
| Lampe XT 169/00: | 250 Watt Halogen |

## nopa light halogen 2 x 250W

**Description XT 171/00**

The nopalight halogen 2 x 250 W lightsource, can be utilized in all procedures, especially if a strong illumination or video-monitoring is required.

All modern autoshutter-videocameras will be supplied with sufficient light-intensity, the second lamp serves as stand-by.
Two bulbs - two outlets switchable.

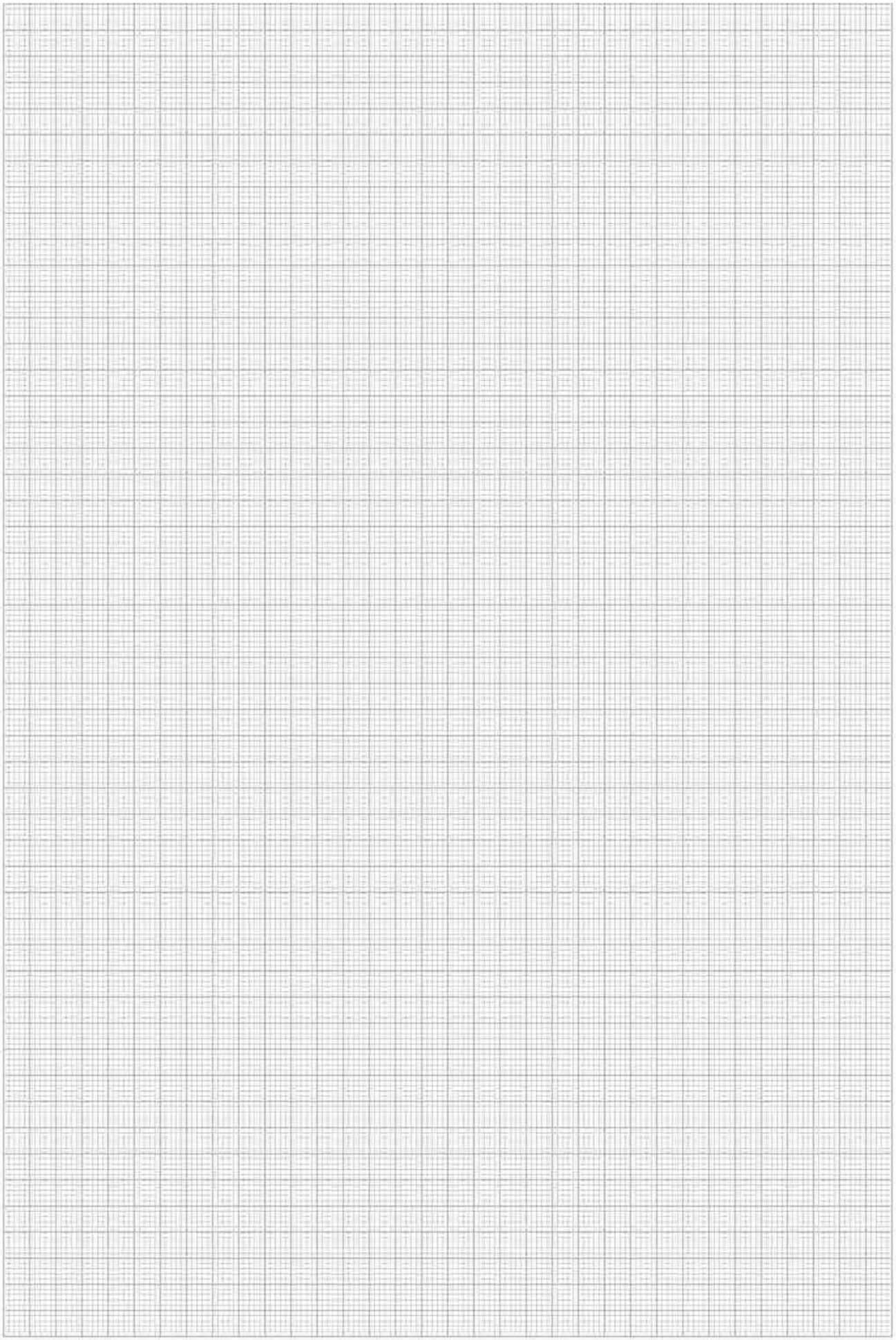
Special temperature-filters guarantee long life of light cables and optimal light output. The nopalight halogen 2 x 250 W lightsource is approved by MedGV.

**Technical data**

| | |
|---|---|
| Power supply: | 100-240VAC/50-60Hz<br>world power supply |
| Color temperature: | more than 3500° K |
| Light control: | automatic |
| Measurements<br>(W x H x D): | 355 x 110 x 320 mm |
| Weight: | approx. 8,5 kg |

**Accessories**

| | |
|---|---|
| Bulb XT 169/00: | 250 Watt Halogen |



Kaltlichtquellen
Cold light sources
Fuente de luz fria
Source à lumière froide
Sorgente luce fredda

# nopa light xenon future 200 180W

XT 205/00 = 110-230 VAC/50-60 Hz

XT 204/00 = Ersatzlampe
Spare bulb
Bombilla de recambio
Lampe de rechange
Lampadina di ricambio



## nopa light xenon 180W

### Beschreibung XT 205/00

Die nopalight xenon 180 Watt Lichtquelle kann bei allen Einsätzen angewendet werden, besonders dann, wenn eine starke Ausleuchtung oder eine Videoaufzeichnung notwendig ist.

Alle modernen Autoshutter-Videokameras werden mit ausreichender Lichtzufuhr versorgt. Die hohe Lichtausgangsleistung sorgt für absolut weißes Licht >5600°K und somit für detailgetreue Farbwiedergabe.

Unsere spezielle Lampenkonstruktion mit geringster Wärmeentwicklung führt zu absolut kaltem Licht und verhindert eine thermische Beschädigung der Lichtleiter.

Weitere Vorteile: Geringe Luftverwirbelungen, geringe Geräuschentwicklung, umweltfreundliche Lampe, einfachster Lampenwechsel.

### Technische Daten

| | |
|---|---|
| Elektr. Versorgung: | 110-230 VAC/50-60Hz<br>Weltnetzteil |
| Farbtemperatur: | > 5600° K |
| Maße<br>(B x H x T): | 355 x 110 x 320 mm |
| Gewicht: | ca. 9,5 kg |

### Zubehör

| | |
|---|---|
| Lampe XT 204/00: | 180 Watt Xenon |

## nopa light xenon 180W

### Description XT 205/00

The nopalight xenon 180 watt light source can be used for all occasions particularly where strong illumination or a video recording is necessary.

All modern autoshutter videocameras are supplied with sufficient light. The high light output ensures absolute white light >5600° K and thus detail fidelity in colour reproduction.

Our special lamp construction which has the lowest of heat generation leads to absolute cold light and prevents thermal damage to the light conductor.

Further advantages are low air turbulence, low noise level, environmentally friendly lamp and very easy bulb replacement.

### Technical data

| | |
|---|---|
| Power supply: | 110-230 VAC/50-60Hz<br>world power supply |
| Colour temperature: | > 5600° K |
| Measurements<br>(W x H x D): | 355 x 110 x 320 mm |
| Weight: | approx. 9,5 kg |

### Accessories

| | |
|---|---|
| Bulb XT 204/00: | 180 Watt Xenon |

Kaltlichtquellen
Cold light sources
Fuente de luz fria
Source à lumière froide
Sorgente luce fredda

# nopa light xenon future 300 300W



XT 210/00 = 110-230 VAC/50-60 Hz

XT 209/00 Ersatzlampe
Spare bulb
Bombilla de recambio
Lampe de rechange
Lampadina di ricambio

## nopa light xenon 300 W

**Beschreibung XT 210/00**

Die nopalight xenon 300 Watt Lichtquelle kann bei allen Einsätzen angewendet werden, besonders dann, wenn eine starke Ausleuchtung oder eine Videoaufzeichnung notwendig ist.

Alle modernen Autoshutter-Videokameras werden mit ausreichender Lichtzufuhr versorgt. Die hohe Lichtausgangsleistung sorgt für absolut weißes Licht >5600°K und somit für detailgetreue Farbwiedergabe.

Unsere spezielle Lampenkonstruktion mit geringster Wärmeentwicklung führt zu absolut kaltem Licht und verhindert eine thermische Beschädigung der Lichtleiter.

Weitere Vorteile: Geringe Luftverwirbelungen, geringe Geräuschentwicklung, umweltfreundliche Lampe, einfachster Lampenwechsel.

**Technische Daten**

| | |
|---|---|
| Elektr. Versorgung: | 110-230VAC/50-60Hz Weltnetzteil |
| Farbtemperatur: | > 5600° K |
| Maße (B x H x T): | 355 x 110 x 320 mm |
| Gewicht: | ca. 11,5 kg |

**Zubehör**

| | |
|---|---|
| Lampe XT 209/00: | 300 Watt Xenon |

## nopa light xenon 300 W

**Description XT 210/00**

The nopalight xenon 300 watt light source can be used for all occasions particularly where strong illumination or a video recording is necessary.

All modern video camera automatic shutters are supplied with sufficient light. The high light output ensures absolute white light > 5600° K and thus detail fidelity in colour reproduction.

Our special lamp construction which has the lowest of heat generation leads to absolute cold light and prevents thermal damage to the light conductor.

Further advantages are low air turbulence, low noise level, environmentally friendly lamp and very easy bulb replacement.

**Technical data**

| | |
|---|---|
| Power supply: | 110-230VAC/50-60Hz world power supply |
| Colour temperature: | > 5600° K |
| Measurements (W x H x D): | 355 x 110 x 320 mm |
| Weight: | approx. 11,5 kg |

**Accessories**

| | |
|---|---|
| Bulb XT 209/00: | 300 Watt Xenon |

# nopa cam digital camera system

## immersible
## soakable

PAL/SECAM

| | | | |
|---|---|---|---|
| XT 301/00 | = | XT 310/00 | Netzkabel/mains cord |
| | | XT 320/01 | Kamerakopf inkl. Kabel 3,8 m, einlegbar<br>camera head incl. cable 3,8 m, immersible |
| | | XT 320/02 | Kameraprozessor / camera control unit |
| | | XT 344/02 | Kabel/cable S-VHS |
| | | XT 346/00 | Kabel/cable BNC |

NTSC

| | | | |
|---|---|---|---|
| XT 301/01 | = | XT 310/00 | Netzkabel/mains cord |
| | | XT 320/03 | Kamerakopf inkl. Kabel 3,8 m, einlegbar<br>camera head incl. cable 3,8 m, immersible |
| | | XT 320/04 | Kameraprozessor/camera control unit |
| | | XT 344/00 | Kabel/cable S-VHS |
| | | XT 346/00 | Kabel/cable BNC |





### Beschreibung XT 301/00 / XT 301/01

nopa cam m ist die konsequente Weiterentwicklung unseres Kamerasystems. Neben allen früheren Funktionen wurden weitere Spezialfunktionen realisiert. Eine integrierte Steuerung externer Geräte (Videorecorder, Drucker) sowie die Lichtverstärkung können mittels zwei Funktionstasten direkt am Kamerakopf aktiviert werden.

Die Kamera ist mit digitaler Kontrast- und Farbsteuerung ausgestattet. Ebenfalls verfügt sie über einen digitalen anti-moiré Filter für den Gebrauch mit flexiblen Endoskopen.

Die Kamera arbeitet optimal mit starren wie auch flexiblen Endoskopen. Selbstverständlich ist der Kamerakopf einlegbar.

### Description XT 301/00 / XT 301/01

nopa cam m is the consequent improvement of our camera system. Besides all the previous functions further special functions have been realized. An integrated control of peripheral devices (VCR, printer), as well as the Gain Control can be operated with the help of two buttons directly from the camera head.

Our camera is equipped with digital contrast and colour control and a digital anti-moiré filter for use with flexible endoscopes.

The camera serves both rigid and flexible endoscopes optimally. Of course the camera head is fully immersible.

### Technische Daten

XT 301/00 PAL - XT 301/01 NTSC

| | |
|---|---|
| CCD Sensor: | 1/3" Chip |
| Video-Auflösung: | 750 horizontale Bildlinien |
| Minimale Beleuchtung: | 0,9 Lux |
| Video-Ausgang: | FBAS oder Y/C (S-VHS) |
| Elektr. Versorgung: | 100/115VAC und 230/240VAC |
| Gewicht: | 2 kg |

### Technical data

XT 301/00 PAL - XT 301/01 NTSC

| | |
|---|---|
| CCD sensor: | 1/3" Chip |
| Video resolution: | 750 horizontal lines |
| Minimal illumination: | 0,9 Lux |
| Video output: | FBAS or Y/C (S-VHS) |
| Power supply: | 100/115VAC and 230/240VAC |
| Weight: | 2kg |

### Weiteres Zubehör

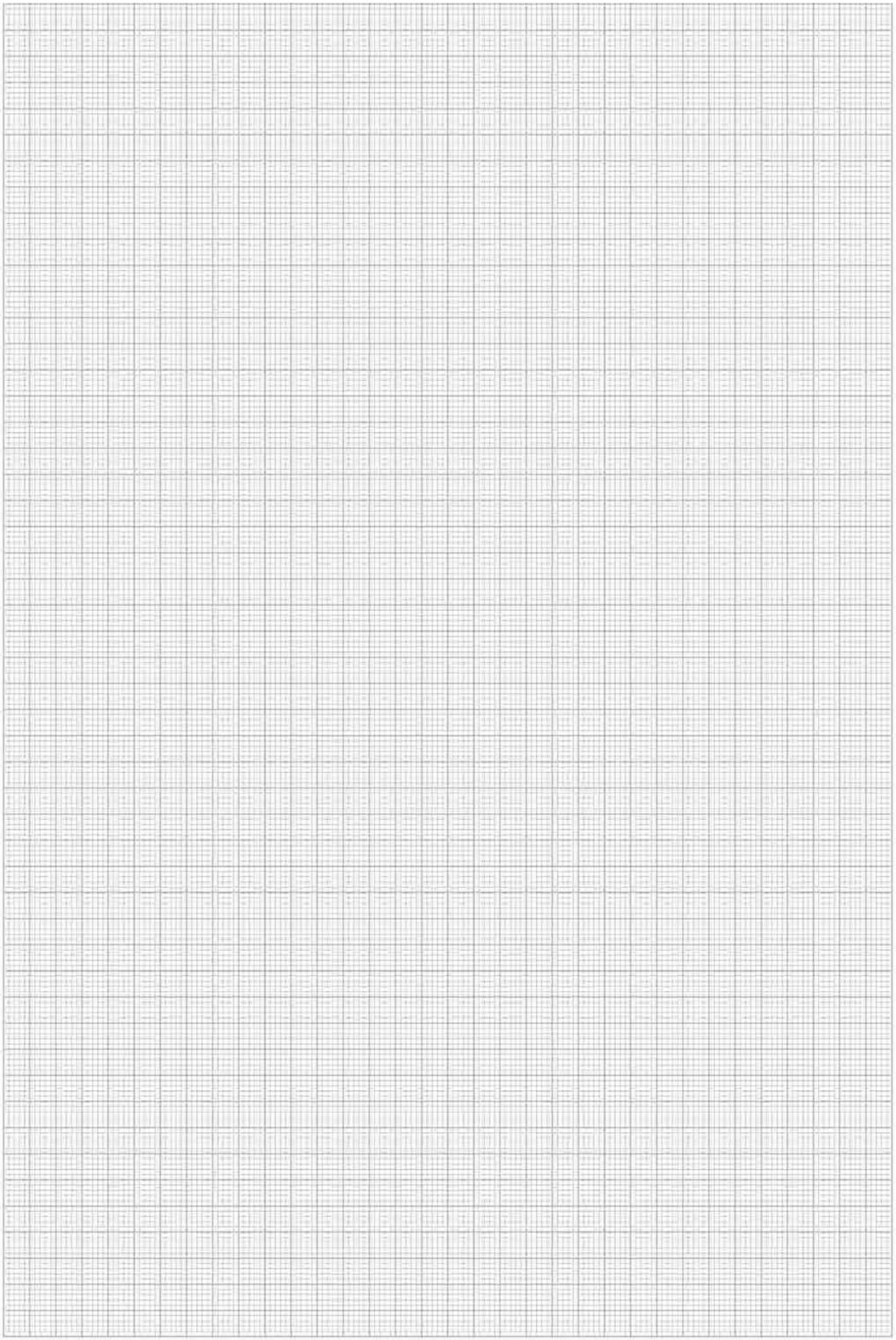
XT 301/02 Kamera mit C-Mount Gewinde PAL
XT 301/03 Kamera mit C-Mount Gewinde NTSC
XT 306/00 Bildteiler

XT 361/40 Zoom Adapter 15 - 25 mm
XT 361/50 Zoom Adapter 25 - 40 mm
verwendbar mit XT 301/02 und XT 301/03

### Optional accessories

XT 301/02 camera with C-mount adapter PAL
XT 301/03 camera with C-mount adapter NTSC
XT 306/00 beam splitter

XT 361/40 Zoom adapter 15 - 25 mm
XT 361/50 Zoom adapter 25 - 40 mm
to use with XT 301/02 and XT 301/03



# nopa cam digital camera system

## immersible soakable 3 - chip

PAL/SECAM

| | | | |
|---|---|---|---|
| XT 305/00 | = | XT 310/00 | Netzkabel/mains cord |
| | | XT 320/05 | Kamerakopf inkl. Kabel 4,0 m, einlegbar/ camera head incl. cable 4,0 m, immersible |
| | | XT 330/05 | Kameraprozessor/camera control unit |
| | | XT 340/05 | Objektiv/Objective lens |
| | | XT 344/05 | Kabel/cable S-VHS |
| | | XT 365/25 | Adapter, Optomech. Microfocus 28 mm (C-Mount) |

NTSC

| | | | |
|---|---|---|---|
| XT 305/01 | = | XT 310/00 | Netzkabel/mains cord |
| | | XT 325/05 | Kamerakopf inkl. Kabel 4,0 m, einlegbar/ camera head incl. cable 4,0 m, immersible |
| | | XT 335/05 | Kameraprozessor/camera control unit |
| | | XT 340/05 | Objektiv/Objective lens |
| | | XT 344/05 | Kabel/cable S-VHS |
| | | XT 365/28 | Adapter, Optomech. Microfocus 28 mm (C-Mount) |



### Beschreibung XT 305/00 / XT 305/01

Das nopa cam camera system future 500 ist ein hochentwickeltes 3-Chip Kamerasystem und für alle endoskopischen Eingriffe einsetzbar.
Ausgezeichnete Bildqualität, scharfe Bildzeichnung und Klarheit werden durch die drei 1/3" CCD-Chips gewährleistet.

Die optimale Bilddarstellung aufgrund eines hochempfindlichen Mikro-Linsen-Chip sowie einer äußerst schnellen Blende wird auch unter schwierigsten Beleuchtungsbedingungen sichergestellt. Der leichte, kompakte Kamerakopf ist äußerst ergonomisch und einlegbar. Alle Adapter und Coupler mit einem C-Mount-Gewinde können angeschlossen werden. Der automatische Weißabgleich wird durch Schalterdruck aktiviert und ist im Memory gespeichert.

Zusätzlich bietet das System eine "window"-Funktion um unter extremen Lichtverhältnissen eine gute Bilddarstellung zu garantieren. Größe und Einstellung dieses Spezial-Focus werden über den Druckschalter aktiviert und auf dem Monitor angezeigt.

Aufgrund des hohen Automatisierungsstandards der nopa cam future 500 ist das Kamerasystem sehr bedienerfreundlich. Kamerakopf und Kabel sind einlegbar.

### Technische Daten

XT 305/00 PAL - XT 305/01 NTSC

| | |
|---|---|
| CCD Sensor: | 3 x 1/3" Chip (3 x 440000 pixel) |
| Video-Auflösung: | über 750 Linien |
| Elektronische Blende: | max. 1/2000000 sec. |
| Minimale Beleuchtung: | 3 Lux F1.4 |
| Video Ausgang: | FBAS, Y/C (S-VHS), RGB |
| Elektr. Versorgung: | 110/115VAC - und 230/240VAC |
| Gewicht: | 3,5 kg |

### Weiteres Zubehör

XT 365/15 Adapter optomechanisch microfocus 15 mm
XT 365/21 Adapter optomechanisch microfocus 21 mm
XT 365/35 Adapter optomechanisch microfocus 35 mm
XT 364/10 Microfocus-Adapter, flexibel Pentax
XT 366/10 Microfocus-Adapter, flexibel Olympus
XT 368/10 Microfocus-Adapter, flexibel Fujinon

Bei Bestellung bitte Netzspannung angeben.

### Description XT 305/00 / XT 305/01

The nopa cam camera system future 500 is a highly developed three chip camera system which can be used for all operations performed with endoscopes. Excellent picture quality, sharp picture delineation and clarity are guaranteed by the three 1/3" CCD chips.

Optimal picture presentation is ensured by a highly sensitive micro-lens chip with an extremely rapid diaphragm even under difficult lighting conditions. The light, compact camera head is ergonomic and immersible. All adapters and couplings with a C-mount thread can be connected. The automatic white compensation is activated by press button and is stored in the memory.

The system additionally offers a "window" function to ensure a good picture representation under extreme lighting conditions. The magnitude and setting of this special focus are activated by press button and displayed on the monitor screen.

The nopa cam future 500's high standard of automatic operation makes this camera system extremely easy to operate. The camera head and cable can be immersed.

### Technical data

XT 305/00 PAL - XT 305/01 NTSC

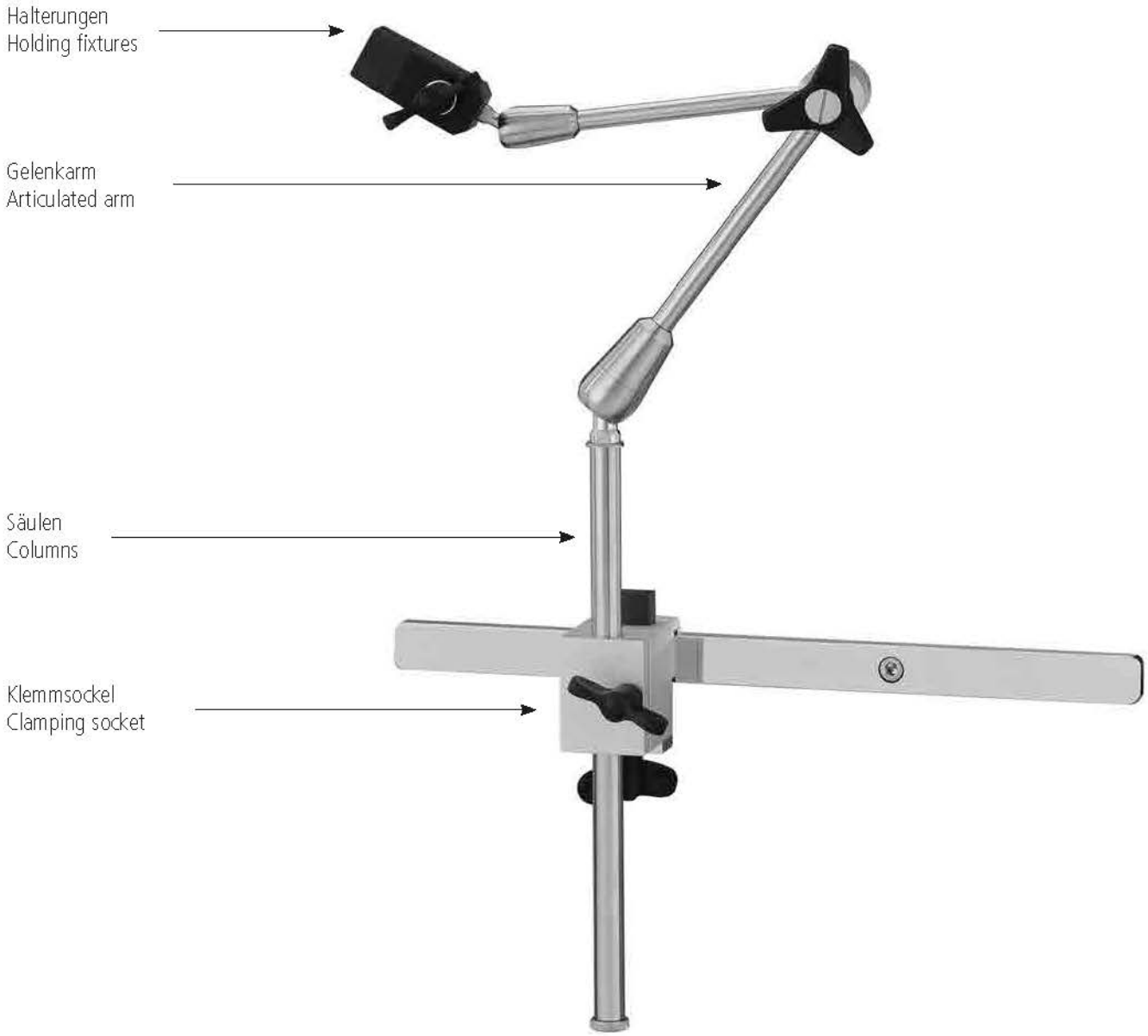
| | |
|---|---|
| CCD sensor: | 3 x 1/3" chip (3x 440000 pixel) |
| Video resolution: | more than 750 lines |
| Electronic shutter: | max. 1/2000000 sec. |
| Minimal illumination: | 3 Lux F1.4 |
| Video output: | FBAS, Y/C (S-VHS), RGB |
| Power supply: | 110/115VAC - and 230/240VAC |
| Weight: | 3,5 kg |

### Optional accessories

XT 365/15 Adapter optomechanical microfocus 15 mm
XT 365/21 Adapter optomechanical microfocus 21 mm
XT 365/35 Adapter optomechanical microfocus 35 mm
XT 364/10 Microfocus-adapter, flexible Pentax
XT 366/10 Microfocus-adapter, flexible Olympus
XT 368/10 Microfocus-adapter, flexible Fujinon

Please indicate the voltage when placing the order.

Gelenkarmsystem mit zentraler Schnellfixierung
Articulated arm with quick central fixation
Sistema de brazo articulado con fijación rápida central
Système de bras articulé avec fixage rapide central
Sistema a braccio articolato con fissaggio rapido centrale




**Komplett kurz / short complete**

| | | |
|---|---|---|
| XU 650/01 | = | XU 650/13<br>XU 650/40<br>XU 651/01<br>XU 651/12 |

**Komplett lang / long complete**

| | | |
|---|---|---|
| XU 650/02 | = | XU 650/13<br>XU 650/55<br>XU 651/02<br>XU 651/12 |

Zubehör auf Seite 343
Accessories on page 343

Gelenkarmsystem mit zentraler Schnellfixierung
Articulated arm with quick central fixation
Sistema de brazo articulado con fijación rápida central
Système de bras articulé avec fixage rapide central
Sistema a braccio articolato con fissaggio rapido centrale



## Halterungen
## Holders



XU 650/11
Kombi Instrumentenhalter
Combined Instrument holder



XU 650/12
Ø 4 mm Optikhalter
Ø 4 mm Optic holder

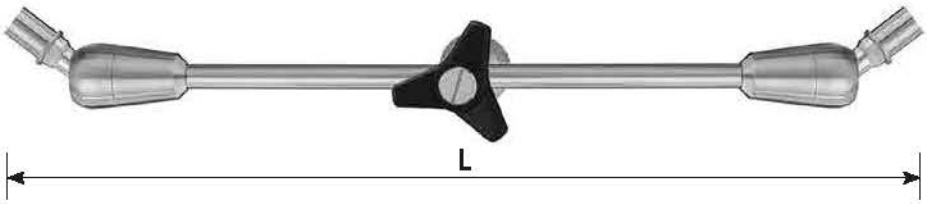


XU 650/13
Ø 5 mm/10 mm Optikhalter
Ø 5 mm/10 mm Optic holder



XU 650/14
Ø 8 mm Optikhalter
Ø 8 mm Optic holder

## Gelenkarme
## Articulated arms




XU 650/40
L = 400 mm M8/M12x1 Ø 16 mm

XU 650/55
L = 550 mm M8/M12x1 Ø 16 mm

## Säulen
## Columns



XU 651/01 Ø 16 mm 300 mm
XU 651/02 Ø 16 mm 400 mm



XU 651/03
Ø 16 mm 450 mm x 100 mm



XU 651/04
Ø 16 mm 266 x 300 x 116 mm

## Klemmsockel
## Clamping socket



XU 651/11
Universalsockel
Universal clamp



XU 651/12
Schienensockel
Rails clamping socket



XU 651/13
Isolierter Schienensockel
Insulated rails clamping socket

nopa® instruments

**nopa instruments**
Medizintechnik GmbH
Weilatten 7-9
D - 78532 Tuttlingen

Tel. +49.7462.9490-0
Fax +49.7462.9490-90
info@nopa.de
www.nopa.de

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