

Crown Click International

CATALOGUE



**SURGICAL
INSTRUMENTS**

CE Compliance Certificate



Application of Medical Device Regulation MDR 2017/ 745 for Class I Medical Devices.

This is to certify that the products submitted are:

MEDICAL DEVICES CLASS I
(Re-Useable Surgical and Dental Instruments)
Registration no DCS/1248322558-A

Manufactured By:

CROWN CLICK INTERNATIONAL

Mehran Street, Mohallah Prem Nagar, Sialkot, 51310 – Pakistan.

Comply with the applicable requirements of the MDR 2017/ 745, The Technical file of the devices have been assessed, including the EC declaration of conformity according to the Annex IV confirming that the medical devices are fulfilling the applicable requirements of MDR 2017/745.

Limitations:

The manufacturer must inform DCS of any substantial changes occurred in the Product or process in order to examine whether this certificate remains valid.

CHAIRMAN

SCHEME MANAGER

Certificate Issue Date: August 08, 2024

Certificate Expiry Date: August 07, 2025

This Certificate of Registration is granted subject to the Regulations approved by the Board

www.dynamexcertification.org



CERTIFICATE



Dynamex Certification Services certify that
CROWN CLICK INTERNATIONAL

Registration No. DCS/2232-B

Address to which this certificate refers:

Mehran Street, Mohallah Prem Nagar, Sialkot, (51310) – Pakistan.

Approved Scope to which this certificate refers:

“Manufacturer and Exporter of Surgical & Dental Instruments”

has been evaluated and found to meet the requirements of

ISO 13485: 2016

CHAIRMAN

SCHEME MANAGER

Certificate Issue Date: 08 August, 2024

Certificate Expiry Date: 07 August, 2025

Date of Initial Registration: 08 August, 2024

Re-assessment Date: 07 August, 2027

This Certificate of Registration is granted subject to the Regulations approved by the Board

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Approved Scope to which this certificate refers:

“Manufacturer and Exporter of Surgical & Dental Instruments”

has been evaluated and found to meet the requirements of

ISO 9001: 2015

CHAIRMAN

SCHEME MANAGER

Certificate Issue Date: 08 August, 2024

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COMPANY PROFILE

Instrumed (Pvt) Ltd., was established in 1974. The founder of the company Mr. Ejaz Ahmed Chatha (Late) started his career in the family business with his brothers in 1960. This family business was established in 1908.

Instrumed (Pvt) Ltd., produces a vast range of Surgical, Dental & Veterinary Instruments and Scissors. Such as: Diagnostic, Puncture, Anesthesia, General Suture, Bone, Tracheotomy, Goiter, Stomach, Intestine, Rectum, Kidney, Liver, Gall Stone, Gynecology, Obstetrics, Ophthalmic, E.N.T and Micro Surgery Instruments.

Instrumed (Pvt) Ltd., Is introducing new line of instruments such as cardiovascular, Electro-Medical and gynecology laser instruments. We are always trying to improve the quality and reliability of our products.

Instrumed (Pvt) Ltd., Exports their instruments to 30 countries of the world. Our instruments satisfy our clients entirely. Instrumed (Pvt.) Ltd. Is certified under ISO-9002, ISO 13485 and EN-46002 is also approved under GMP regulation and is authorized to mark "CE" on our instruments.

INDEX

- 10** Diagnostic Instruments
- 11** Puncture Instruments
- 12** Anaesthesia Instruments
- 13** General Instruments
- 14** General Instruments
- 15** General Instruments
- 16** General Instruments
- 17** General Instruments
- 18** General Instruments
- 19** Suture Instruments
- 20** Plaster Instruments
- 21** Bone Instruments
- 22** Tracheotomy Instruments
- 23** Goitre Instruments
- 24** Dermatology Instruments
- 25** Stomach, Intestine and Rectum Instruments
- 26** Bladder and Urology Instruments
- 27** Gynecology Instruments
- 28** Obstetrics Instruments
- 29** Cardiovascular Instruments
- 30** Ophthalmology Instruments
- 31** Neuro and Laminectomy Instruments
- 32** Micro Instruments
- 33** Otology Instruments
- 34** Rhinology Instruments
- 35** Oral Instruments
- 36** Tonsil Instruments
- 37** Broncho-Esophagoscopy Instruments
- 38** Sterilizing Instruments
- 39** Asepsis



Aly
10-01000-17
17cm/6¾"



Wartenberg
10-01004-19
19cm/7½"



Weber
10-01008-09
9cm/3½"



wood

Pinard
10-01012-18
18cm/7"



aluminium

Pinard
10-01016-15
15cm/6"



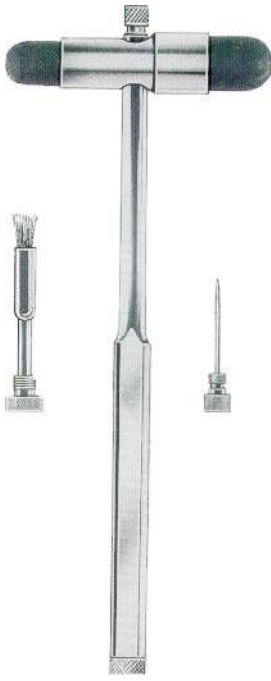
Chest piece only
10-01020-01

Ford
10-01020-00



Chest piece only
10-01024-01

Dual
10-01024-00



Buck
10-01028-18
18cm/7"



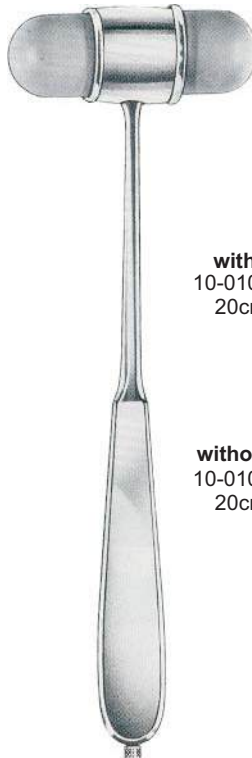
Buck
10-01032-18
18cm/7"



Troemner
10-01036-24
24cm/9½"



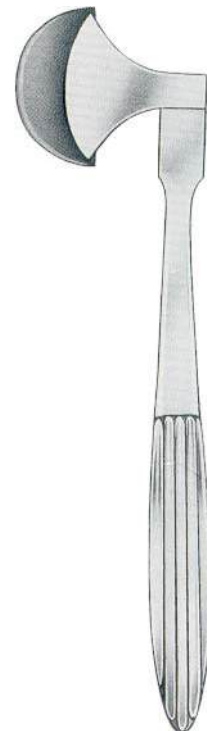
Taylor
10-01040-16 16cm/6 ½"
10-01040-18 18cm/7"
10-01040-20 20cm/8"



with pin
10-01044-20
20cm/8"

without pin
10-01046-20
20cm/8"

Dejerine
20cm/8"



Berliner
10-01050-20
20cm/8"



Traube
10-01054-16
16 cm/6¼"



Troemner
10-01058-21
21 cm/8¼"



Divers-Duoflex
10-01062-22
22 cm/8¾"



Babinsky
10-01066-22 22 cm/8¾"
10-01066-25 25 cm/10"



Rabiner
10-01068-23
23 cm/9¼"



National Hospital
10-01070-33
33 cm/13"



Queen Sqaure
10-01074-26
26 cm/10¼"



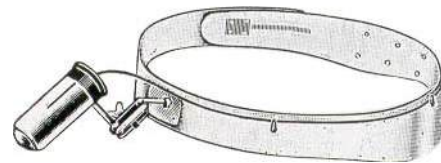
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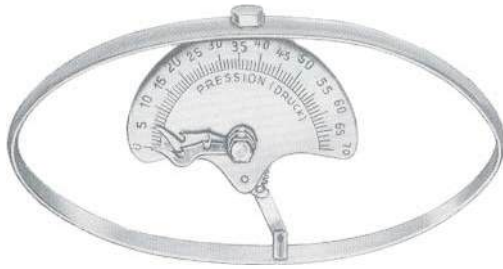
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10-01086-00

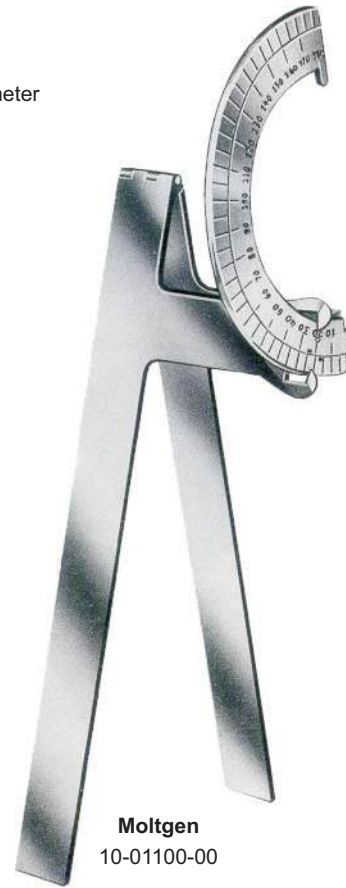


Jansen
10-01092-00

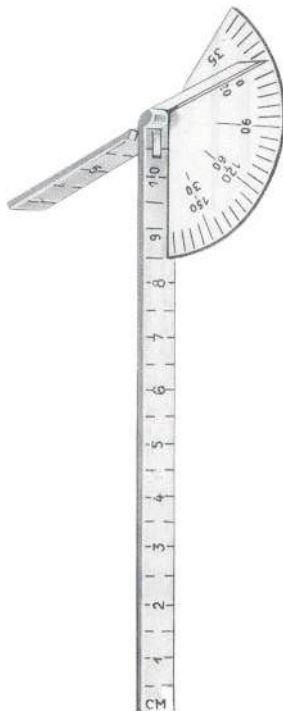


Collin
for children for adults
10-01096-01 10-01096-02

Goniometer



Moltgen
10-01100-00



Caroll
10-01104-14
14cm/5½"



Townley
10-01108-10
10cm/4"



Standard (Nelson)

Ømm	11cm/4 1/2"
3.0	11-01112-30
3.5	11-01112-35
4.0	11-01112-40
4.5	11-01112-45
5.0	11-01112-50
5.5	11-01112-55
6.0	11-01112-60



Standard (Nelson)

Ømm	12cm/4 3/4"
3.0	11-01116-30
3.5	11-01116-35
4.0	11-01116-40
4.5	11-01116-45
5.0	11-01116-50
5.5	11-01116-55
6.0	11-01116-60



Standard (Nelson)

Ømm	12cm/4 3/4"
3.0	11-01120-30
3.5	11-01120-35
4.0	11-01120-40
4.5	11-01120-45
5.0	11-01120-50
5.5	11-01120-55
6.0	11-01120-60



Universal

11-01124-03 =3 Set of 3
11-01124-04 =4 Set of 4



Ø6



4 1/2



3



1 3/4 mm



Universal

11-01128-03 =3 Set of 3
11-01128-04 =4 Set of 4

∅ 2 mm



Landau
11-01132-16
16cm/6¼"

∅ 2 mm



Landau
11-01136-19
19cm/7½"

∅ 13.5mm



Peau
11-01140-16
16cm/6¼"

∅ 8 mm

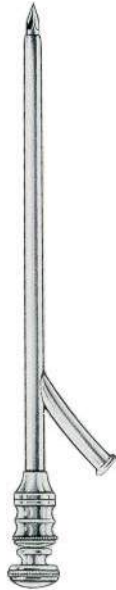


Buelau
11-01144-24
24cm/9½"



Nelson

Ø mm	21cm/8¼"
7.5	11-01148-07
9.0	11-01148-09
10.5	11-01148-10
12.0	11-01148-12



Ochsner

Ø mm	14.5cm/5½"
4.0	11-01152-40
4.6	11-01152-46
5.5	11-01152-55
6.5	11-01152-65

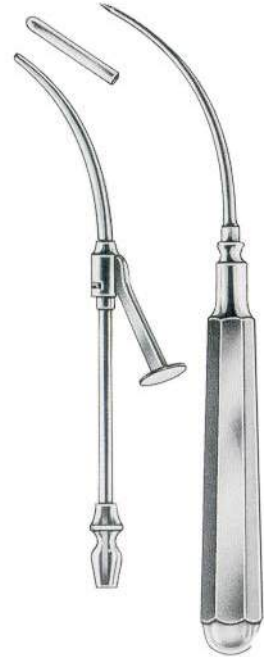
Ø5.5 mm



Krause
 11-01156-15
 15cm/6"



Ø2.25 mm



Coakley
 11-01160-16
 16cm/6¼"

Ø1.8 mm



Lichtwitz
 11-01164-19
 19cm/7½"

Ø3 mm



Douglas
 11-01168-11
 11.5 cm/4 ½"



11-01172-11
 11.5 cm/4½"



Pierce

Ø mm	
3.0	11-01176-03
4.0	11-01176-04
5.0	11-01176-05



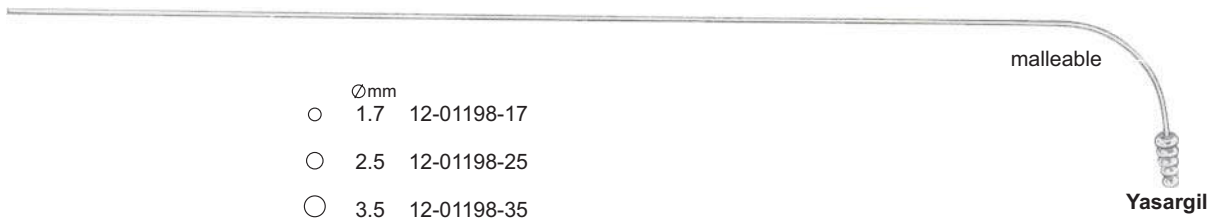
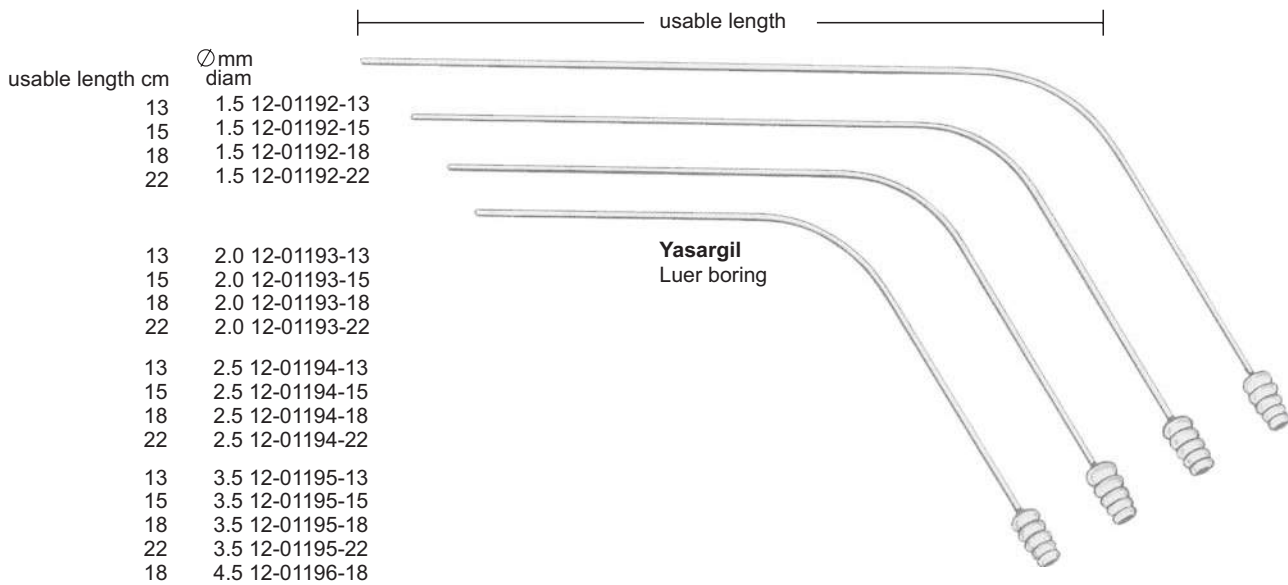
Frazier

Ømm	Charr./Fr.
2	6 12-01180-06
2 1/3	7 12-01180-07
2 2/3	8 12-01180-08
3	9 12-01180-09
3 1/3	10 12-01180-10
3 2/3	11 12-01180-11
4	12 12-01180-12
5	15 12-01180-15



Ferguson

Ømm	Charr./Fr.
2	6 12-01184-06
2 1/3	7 12-01184-07
2 2/3	8 12-01184-08
3	9 12-01184-09
3 1/3	10 12-01184-10
3 2/3	11 12-01184-11
4	12 12-01184-12



Brain Suction Tubes



∅
2.0 mm 12-01202-20
2.5 mm 12-01202-25
3.0 mm 12-01202-30
13cm/5"

Frazier

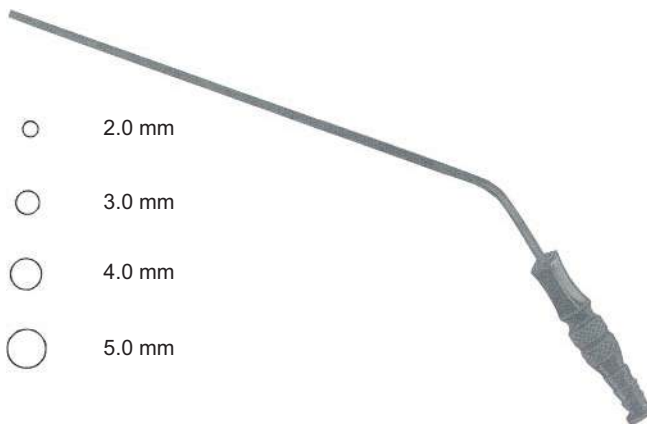


∅
1.5 mm 12-01206-15
2.0 mm 12-01206-20
2.5 mm 12-01206-25
3.0 mm 12-01206-30
19.5cm/7¾"

Plester



Adson
12-01210-02
21cm/8¼"
∅4 mm



- 2.0 mm
- 3.0 mm
- 4.0 mm
- 5.0 mm

∅ malleable, black
2 mm 12-01214-02
3 mm 12-01214-03
4 mm 12-01214-04
5 mm 12-01214-05
19.5cm/7¾"



Yankauer
12-01218-27
27cm/10½"



with stopcock

Yankauer
12-01219-27
27cm/10½"



Yankauer
12-01220-01



Fig. 0
12-01220-10



Fig. 1
12-01220-11



Fig. 2
12-01220-12



Fig. 3
12-01220-13

12-01220-50 SET

∅ 6 mm
round



Nuboer
12-01224-01
21cm/8¼"

6 mm
ovale



Nuboer
12-01224-02
21cm/8¼"

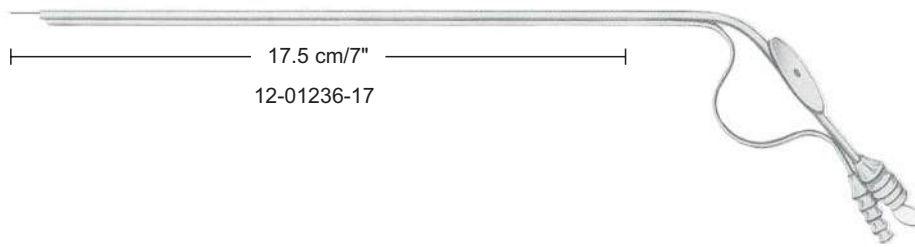
∅ 6 mm



Andrew-Pynchon
12-01228-23
23 cm/9"



Finsterer
12-01232-30
30cm/12"



17.5 cm/7"
12-01236-17

Ø 6 mm



Baby-Poole
12-01240-20
20cm/8"

Ø10 mm



Poole
12-01240-22
22cm/8¾"

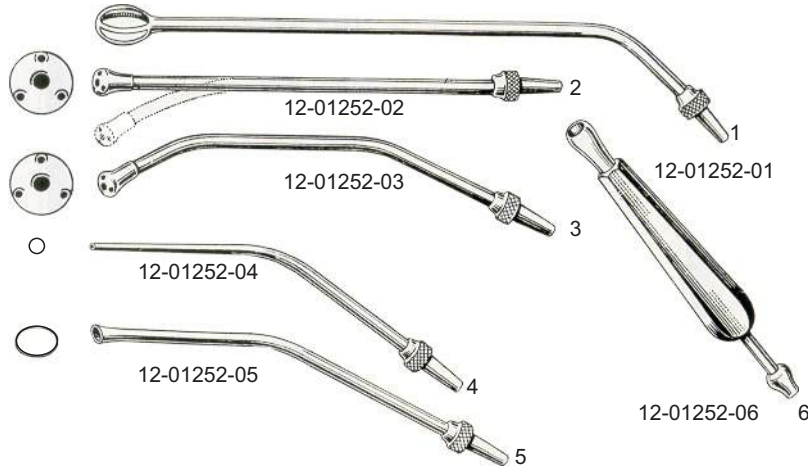
Ø 8 mm



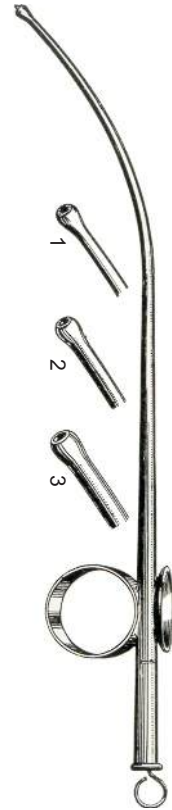
Poole
12-01244-22
22cm/8¾"



Yankauer
12-01248-34
34.5cm/13 1/4"



Yankauer universal
Complete Set
12-01252-60



Magill
12-01256-01=20cm/8"
12-01256-02=20cm/8"
12-01256-03=20cm/8"



Millin
12-01262-30
30cm/12"



Simpson-Smith
12-01266-00



Schimmelbusch
12-01272-01 Child
12-01272-02 Adult



Magill
12-01280-15 15 cm/6" Infant
12-01280-20 20 cm/8" Child
12-01280-25 25 cm/10" Adult



Yankauer
12-01276-01 Child
12-01276-02 Adult



Connel
12-01284-01 Child
12-01284-02 Adult



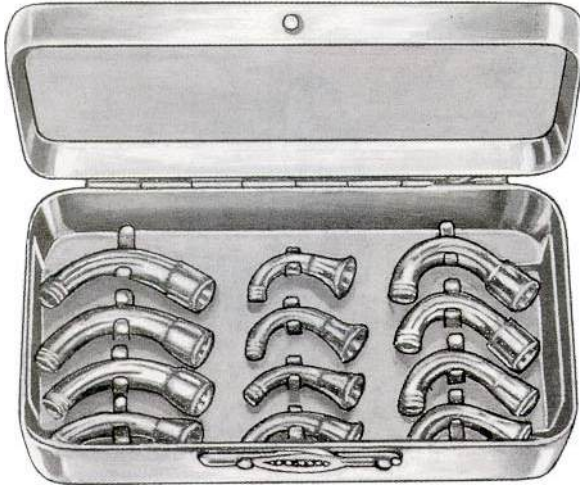
12-01288-01



Lumbard-Mayo
12-01288-02



12-01288-03



Magill
Connection Set
12-01292-00



Magill (Nasal)

	mm dia
12-01292-01	5.5
12-01292-02	6.5
12-01292-03	7.5
12-01292-04	8.0
12-01292-05	8.5
12-01292-06	9.5
12-01292-07	10.0
12-01292-08	10.5

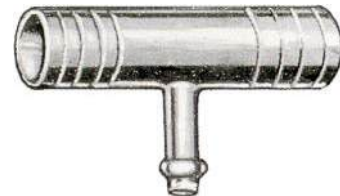


Magill (Aural)

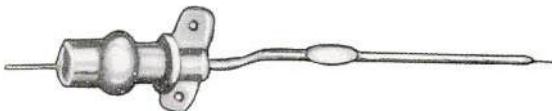
	mm dia
12-01296-01	5.5
12-01296-02	6.5
12-01296-03	7.5
12-01296-04	8.0
12-01296-05	8.5
12-01296-06	9.5
12-01296-07	10.0
12-01296-08	10.5



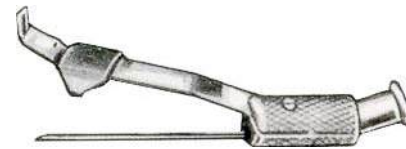
Cobb
12-01300-01 Small
12-01300-02 Medium
12-01300-03 Large



Ayre
12-01304-01 Small
12-01304-02 Medium
12-01304-03 Large



Hamilton Bailey
12-01308-01 Infant
12-01308-02 Child
12-01308-03 Adult



Mitchell
12-01312-18
12-01312-20
38 mm



McIntosh
12-01316-30
12-01316-40

12-01316-30
Laryngoscope Set
Consisting of:
12-01332-00 Battery Handle (without batteries)
12-01316-11 McIntosh blade, Fig 1
12-01316-12 ditto, Fig 2
12-01316-13 ditto, Fig 3



12-01316-10



12-01316-11



12-01316-12



12-01316-13



12-01316-14

12-01316-40
Laryngoscope Set
Consisting of:
12-01332-00 Battery Handle (without batteries)
12-01316-11 McIntosh blade, Fig 1
12-01316-12 McIntosh blade, Fig 2
12-01316-13 McIntosh blade, Fig 3
12-01316-14 McIntosh blade, Fig 4

McIntosh Laryngoscope Blades
12-01316-10 Fig 0, Working length 55mm, baby's
12-01316-11 Fig 1, Working length 75mm, children's
12-01316-12 Fig 2, Working length 90mm, adolescent's
12-01316-13 Fig 3, Working length 110mm, women's
12-01316-14 Fig 4, Working length 135mm, men's



12-01320-30
Laryngoscope Set
Consisting of:
12-01332-00 Battery Handle (without batteries)
12-01320-12 Guedel-Negus Blade, Fig 2
12-01320-13 ditto, Fig 3
12-01320-14 ditto, Fig 4

Guedel-Negus
12-01320-30
12-01320-40

12-01320-40
Laryngoscope Set
Consisting of:
12-01332-00 Battery Handle (without batteries)
12-01320-11 Guedel-Negus Blade, Fig 1
12-01320-12 Guedel-Negus Blade, Fig 2
12-01320-13 Guedel-Negus Blade, Fig 3
12-01320-14 Guedel-Negus Blade, Fig 4



12-01320-11



12-01320-12



12-01320-13



12-01320-14

Guedel Laryngoscope Blades
12-01320-11 Fig 1, working length 70mm, children's
12-01320-12 Fig 2, working length 90mm, adolescent's
12-01320-13 Fig 3, working length 110mm, women's
12-01320-14 Fig 4, working length 135mm, men's



Foregger
12-01324-30
12-01324-40

12-01324-30
Laryngoscope Set
Consisting of:
12-01332-00 Battery Handle (without batteries)
12-01324-12 Foregger Blade, Fig 2
12-01324-13 ditto, Fig 3
12-01324-14 ditto, Fig 4

12-01324-40
Laryngoscope Set
Consisting of:
12-01324-00 Battery Handle (Without batteries)
12-01324-11 Foregger Blade, Fig 1
12-01324-12 Foregger Blade, Fig 2
12-01324-13 Foregger Blade, Fig 3
12-01324-14 Foregger Blade, Fig 4



12-01324-11



12-01324-12



12-01324-13



12-01324-14

Foregger Laryngoscope Blade,
12-01324-11 Fig 1, working length 70mm, children's
12-01324-12 Fig 2, working length 90mm, adolescent's
12-01324-13 Fig 3, working length 110mm, women's
12-01324-14 Fig 4, working length 135mm, men's



Working length 55 mm
12-01328-10

Working length 80 mm
12-01328-11

12-01328-20
Laryngoscope Set, Baby and Infant,
consisting of :
12-01332-00 Battery Handle (without battery)
12-01328-10 Miller-baby blade, Fig 0
working length 55 mm
12-01328-11 ditto, Fig 1 working length 80 mm

Miller-Baby
12-01328-20



32 mm dia
12-01332-00



28 mm dia
12-01336-00



18 mm dia
12-01340-00



Negus
18 mm dia
12-01344-00



No. 3

13-01348-03



No. 3

13-01352-03



No. 4

13-01356-04



No. 4

13-01360-04

double handle
number 3 + number 4



No. 7

13-01364-07



No. 7k

13-01368-17



No. 8

13-01372-08

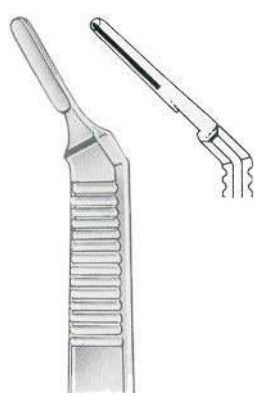


No.9

13-01376-09



13-01380-34



3L
13-01384-13



4L
13-01388-14



No. 3L
13-01392-03



No. 4L
13-01396-04



No. 5
13-01400-05
15cm/6"



No. 5A
13-01404-15
15cm/6"



13-1408-01
21cm/8¼"



13-01408-03



17cm/6¾"



Fig. 1

13-01412-01



Fig. 2

13-01412-02



Fig. 3

13-01412-03



Fig. 4

13-01412-04



Fig. 5

13-01412-05



Fig. 6

13-01412-06



Fig. 7

13-01412-07



Fig. 8

13-01412-08



Fig. 9

13-01412-09



Fig. 10

13-01412-10



Fig. 1
13-01416-01



Fig. 2
13-01416-02



Fig. 3
13-01416-03



Fig. 4
13-01416-04



Fig. 5
13-01416-05



Fig. 6
13-01416-06



Fig. 7
13-01416-07



Fig. 8
13-01416-08



Fig. 9
13-01416-09



17cm/6¾"



Fig. 10
13-01416-10



Fig. 11
13-01416-11



Fig. 12
13-01416-12



Fig. 13
13-01416-13



Fig. 14
13-01416-14



Fig. 15
13-01416-15



Fig. 16
13-01416-16



Fig. 18
13-01416-18



Fig. 27
13-01416-27



Fig. 38
13-01416-38



Fig. 40
13-01416-40



Fig. 46
13-01416-46



Fig. 61
13-01416-61



Fig. 63
13-01416-63



Dieffenbach
17cm/6¾"



Fig. 1
13-01420-01



Fig. 2
13-01420-02



Fig. 3
13-01420-03



Fig. 4
13-01420-04



Fig. 5
13-01420-05



Fig. 6
13-01420-06



Fig. 7
13-01420-07



Fig. 8
13-01420-08



Fig. 9
13-01420-09



Fig. 15
13-01420-15



Fig. 16
13-01420-16



◀ Fig. 1

Bergmann
13-01424-01
14.5cm/5¾"



Fig. 2
13-01424-02



Fig. 3
13-01424-03



Fig. 4
13-01424-04



Dieffenbach
13cm/5¼"



Fig. 1
13-01428-01



Fig. 2
13-01428-02



Fig. 3
13-01428-03



Fig. 4
13-01428-04



Fig. 5
13-01428-05



Fig. 6
13-01428-06



Fig. 7
13-01428-07



Fig. 8
13-01428-08



Fig. 9
13-01428-09



Fig. 10
13-01428-10



Fig. 11
13-01428-11



Fig. 12
13-01428-12



Simon
20cm/8"



Fig. 1
13-01432-01



Fig. 2
13-01432-02



Fig. 3
13-01432-03



Fig. 4
13-01432-04



Ulrich
22.5 cm/9"



Fig. 1
13-01436-01



Fig. 2
13-01436-02



Fig. 3
13-01436-03



Simon
23.5 cm/9 1/4 "



Fig. 1
13-01440-01



Fig. 2
13-01440-02



Fig. 3
13-01440-03



Fig. 4
13-01440-04



13-01444-01
7.5 cm/3"



13-01444-02
8 cm/3 1/4 "



Length of blades				
cm	in			
9.5	3 3/4			13-01464-09
11.0	4 1/2			13-01468-11
12.0	4 3/4		13-01460-12	
13.0	5	13-01448-13		
15.0	6			
16.0	6 1/4	13-01448-16	13-01456-16	
17.0	6 3/4		13-01452-17	
19.0	7 1/2	13-01448-19	13-01456-19	
20.0	8		13-01452-20	
22.0	8 3/4	13-01448-22	13-01456-22	



Langenbeck
13-01472-01
18 cm/7"

13-01472-02

Virchow

Length of blades

8.5 cm/3 1/2"			13-01488-08
11.0 cm/4 1/2"		13-01480-11	13-01484-11
14.0 cm/5 1/2"		13-01480-14	
16.0 cm/6 1/4"	13-01476-16		
17.0 cm/6 3/4"		13-01480-17	
20.0 cm/8"	13-01476-20		
24.0 cm/9 1/2"	13-01476-24		

Autopsy knives
Length of blades
19.5cm/7 3/4"

Length of blades
9.5cm/3 3/4"

Cartilage knives

Wooden handle

Metal handle

Virchow
13-01492-09

13-01496-19

13-01500-01

13-01504-01



Troutman-Chris
13-01508-09
9cm/3 1/2"



Troutman-Chris
13-01509-09
9cm/3 1/2"



13-01512-11
11cm/4 1/2"



Castroviejo
13-01516-13
13cm/5 1/4"

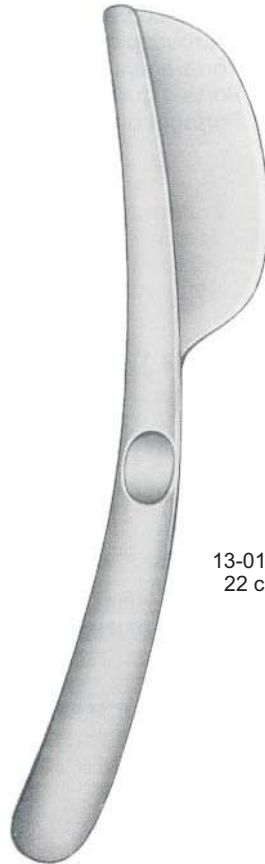


13-01520-18
18cm/7"



Skull Breaker

13-01524-14
14 cm/5½"



Rachiotome

13-01528-22
22 cm/8¾"



23 mm

Osteotome

13-01532-13
13 cm/5"



Brunetti
13-01536-28
Brunetti
13-01537-28
28.5 cm/11¼"

Muscle hooks



13-01540-06
6.5 cm/2½"



13-01544-07
7 cm/2¾"



13-01548-01

Microscopic needles



13-01552-13
13 cm/5"



13-01556-13
13 cm/5"



Kolle
13-01560-24
24 cm/ 9½"

Microscopic needle holder



Loop for needle holder

13-01564-06
6 cm/2 ¼"

Post mortem needles



13-01568-01

13-01568-02

13-01568-03

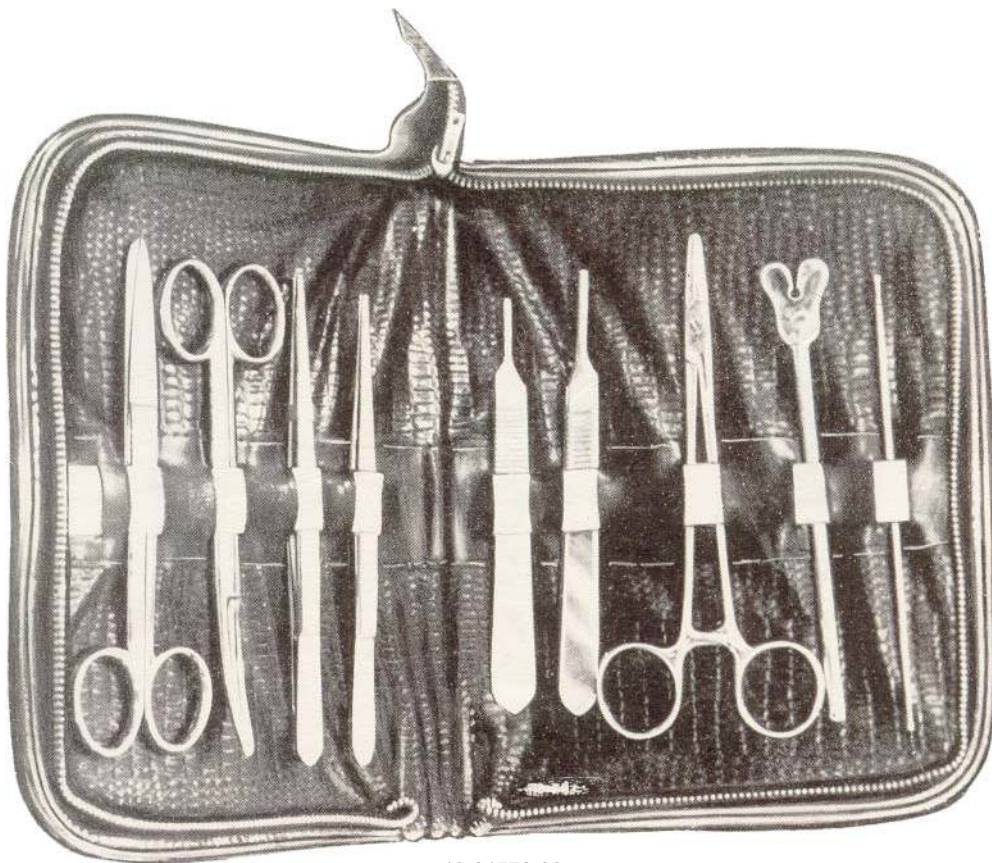
13-01568-04

13-01568-05

13-01568-06



13-01572-00



13-01576-00

Saw Edge



Straight	Curved
14-01580-14	14-01581-14
14.5cm/5¾"	



Mayo	
Straight	Curved
14-01584-14	14.5cm/5¾"
14-01584-17	17.0cm/6¾"
14-01584-23	23.0cm/9"
14-01585-14	14-01585-17
14-01585-17	14-01585-23



Mayo-Stille	
Straight	Curved
14-01588-15	15.0cm/6"
14-01588-17	17.0cm/6¾"
14-01589-15	14-01589-17



Lexer	
Straight	Curved
14-01592-16	14-01593-16
16cm/6¼"	



Baby-Metzenbaum	
Straight	Curved
14-01596-11	14-01597-11
11.5cm/4½"	



Metzenbaum-Fine	
Straight	Curved
14-01600-14	14-01601-14
14.5cm/5¾"	



Metzenbaum-Fine	
Straight	Curved
14-01604-18	18cm/7"
14-01604-20	20cm/8"
14-01604-23	23cm/9"
14-01605-18	14-01605-20
14-01605-20	14-01605-23

Saw edge



Sims

Straight	Curved
14-01608-20 20 cm/8"	14-01609-20
14-01608-23 23 cm/9"	14-01609-23



Siebold

14-01613-24
24 cm/9½"



Jameson

16-01617-15 15 cm/6"
16-01617-18 18 cm/7"



Reynolds

Straight	Curved
16-01620-15	16-01621-15
	15 cm/6"



Straight	Curved
14-01624-11	14-01625-11
	11.5 cm/4½"



Straight	Curved
14-01628-11	14-01629-11
	11.5 cm/4½"



Plastic Surgery

Straight	Curved
14-01632-12	14-01633-12
	12 cm/4¾"



Wagner

Straight	Curved
14-01636-12	14-01637-12
	12 cm/4¾"

Saw Edge



14-01641-11
11.5 cm/4½"



14-01645-14
14cm/5½"



Reynolds
14-01649-13
13cm/5"

Endarterectomy
Scissors



Potts-Smith
19cm/7½"



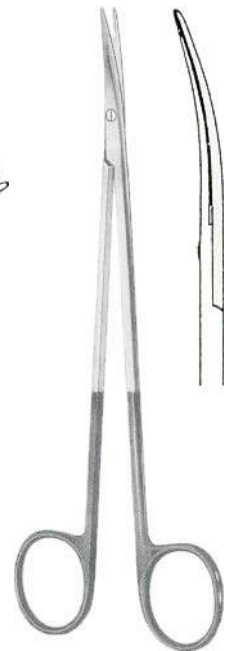
25°
14- 01653-19



45°
14- 01655-19



60°
14- 01657-19



14-01661-17
17cm/6¾"

Saw Edge



Lister
14-01665-14 14.5cm/5¾"
14-01665-18 18cm/7"
14-01665-20 20cm/8"



Braun-Stadler
14-01669-14 14.5cm/5¾"
14-01669-22 22cm/8¾"



Stevens
Straight 14-01672-11 11.5cm/4½"
Curved 14-01673-11



Heymann
14-01677-18
18cm/7"



Fomon
14-01681-13
13cm/5"



Fomon
14-01685-13
13cm/5"



Cottle
14-01689-16
16cm/6¼"



Straight

Standard
Fig. 1

10.0	cm/4"	14-01692-10
11.5	cm/4½"	14-01692-11
13.0	cm/5"	14-01692-13
14.5	cm/5¾"	14-01692-14
15.5	cm/6"	14-01692-15
16.0	cm/6¼"	14-01692-16
18.0	cm/7"	14-01692-18
20.0	cm/8"	14-01692-20



Straight

Standard
Fig. 2

14-01694-10
14-01694-11
14-01694-13
14-01694-14
14-01694-15
14-01694-16
14-01694-18
14-01694-20



Straight

Standard
Fig. 3

14-01696-10
14-01696-11
14-01696-13
14-01696-14
14-01696-15
14-01696-16
14-01696-18
14-01696-20



Straight

Standard
14.5cm/5¾"

PinsmedTC



Fig. 1

14-01700-14



Fig. 2

14-01702-14



Fig. 3

14-01704-14



Curved

Standard
Fig. 1

14-01707-10
14-01707-11
14-01707-13
14-01707-14
14-01707-15
14-01707-16
14-01707-18
14-01707-20



Curved

Standard
Fig. 2

14-01709-10
14-01709-11
14-01709-13
14-01709-14
14-01709-15
14-01709-16
14-01709-18
14-01709-20



Curved

Standard
Fig. 3

14-01711-10
14-01711-11
14-01711-13
14-01711-14
14-01711-15
14-01711-16
14-01711-18
14-01711-20

10.0	cm/4"
11.5	cm/4½"
13.0	cm/5"
14.5	cm/5¾"
15.5	cm/6"
16.0	cm/6¼"
18.0	cm/7"
20.0	cm/8"

PinsmedTC



Curved

Standard
14.5cm/5¾"

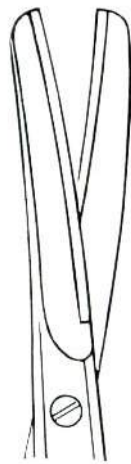


Fig. 1
14-01715-14



Fig. 2
14-01717-14

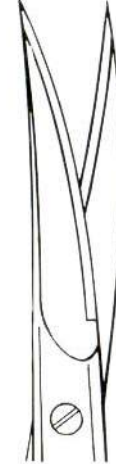


Fig. 3
14-01719-14



Graziil

14-01722-13 13.0 cm/5" 14-01724-13
14-01722-14 14.5 cm/5 3/4" 14-01724-14

Straight



Graziil

14-01727-13 13.0 cm/5" 14-01729-13
14-01727-14 14.5 cm/5 3/4" 14-01729-14

Curved



Straight

14-01732-14

Deaver

14.5cm/5 3/4"



Curved

14-01733-14



Straight

14-01736-15

Mixer

15.5cm/6"



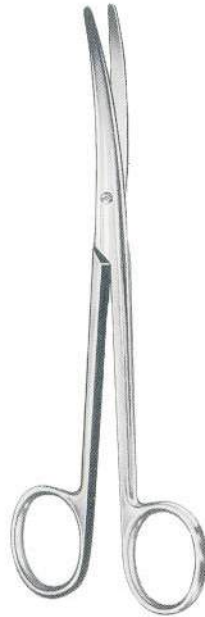
Curved

14-01737-15

Pinsmed TC



Lexer
Straight
14-01740-16
16 cm/6¼"



Lexer
Curved
14-01741-16
16 cm/6¼"



Lexer
Straight
14-01744-16
16 cm/6¼"



Lexer
Curved
14-01745-16
16 cm/6¼"

Pinsmed TC



Lexer-Fine
Straight
14-01748-16
16 cm/6¼"



Lexer-Fine
Curved
14-01749-16
16 cm/6¼"



Lexer-Fine
Straight
14-01752-16
16 cm/6¼"



Lexer-Fine
Curved
14-01753-16
16 cm/6¼"

Incision Scissors



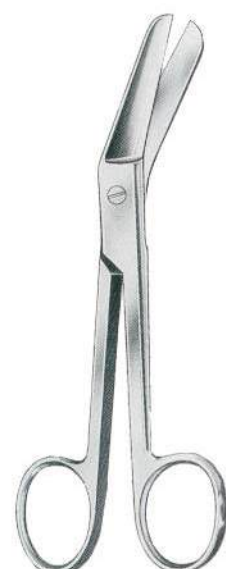
14-01756-13 13.0 cm/5¼"
14-01756-14 14.5 cm/5¾"



14-01760-15
15.5 cm/6"



Richter
14-01763-14
14.5 cm/5¾"



Richter
14-01767-14
14.5 cm/5¾"



Fergusson
14-01771-18
18 cm/7"



New Suture
14-01775-14
14.5 cm/5¾"

Pinsmed TC



Mayo
Straight
14-01778-14 14.5 cm/5¾"
14-01778-15 15.0 cm/6"
14-01778-17 17.0 cm/6¾"
14-01778-19 19.0 cm/7½"
14-01778-23 23.0 cm/9"



Mayo
Curved
14-01779-14 14.5 cm/5¾"
14-01779-15 15.0 cm/6"
14-01779-17 17.0 cm/6¾"
14-01779-19 19.0 cm/7½"
14-01779-23 23.0 cm/9"



Mayo
Straight
14-01782-14 14.5 cm/5¾"
14-01782-17 18.0 cm/7"
14-01782-23 13.0 cm/9"



Mayo
Curved
14-01783-14 14.5 cm/5¾"
14-01783-17 18.0 cm/7"
14-01783-23 13.0 cm/9"

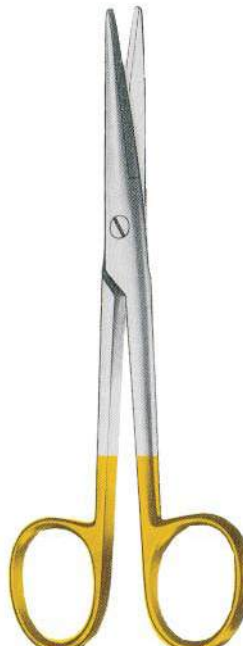
Pinsmed TC



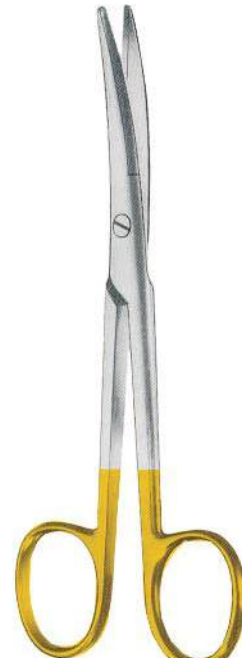
Mayo-Stille
Straight
14-01786-15 15 cm/6"
14-01786-17 17 cm/6¾"
14-01786-19 19 cm/7½"
14-01786-21 21 cm/8¼"



Mayo-Stille
Curved
14-01787-15 15 cm/6"
14-01787-17 17 cm/6¾"
14-01787-19 19 cm/7½"
14-01787-21 21 cm/8¼"



Mayo-Stille
Straight
14-01790-16 15 cm/6"
14-01790-17 17 cm/6¾"



Mayo-Stille
Curved
14-01791-16 15 cm/6"
14-01791-17 17 cm/6¾"



Straight

Mayo-Noble
14-01794-17
17 cm/6¾"



Curved

Mayo-Noble
14-01795-17
17 cm/6¾"



Straight

Baby-Metzenbaum
14-01798-11
11.5 cm/4½"

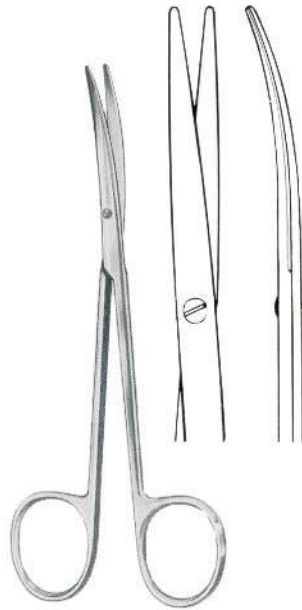


Curved

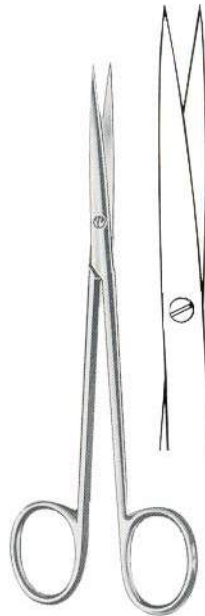
Baby-Metzenbaum
14-01799-11
11.5 cm/4½"



Metzenbaum-Fine
14-01802-14
14.5 cm/5¾"



Metzenbaum-Fine
14-01803-14
14.5 cm/5¾"



Metzenbaum-Fine
14-01806-14
14.5 cm/5¾"



Metzenbaum-Fine
14-01807-14
14.5 cm/5¾"

Straight

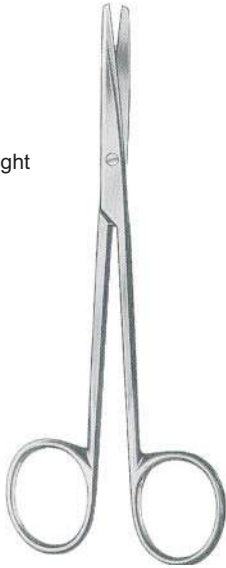


Fig 1

Metzenbaum
14-01810-14
14.5 cm/5¾"



Fig 2

Metzenbaum
14-01812-14
14.5 cm/5¾"

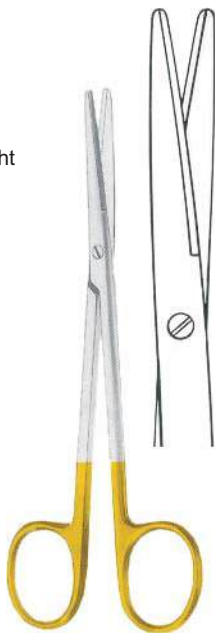


Fig 3

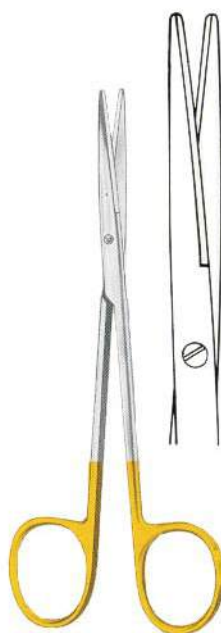
Metzenbaum
14-01814-14
14.5 cm/5¾"

Pinsmed TC

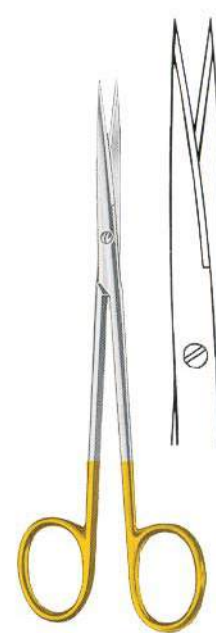
Straight



Metzenbaum
14-01818-14
14.5 cm/5¾"



Metzenbaum-Fine
14-01820-14
14.5 cm/5¾"



Metzenbaum-Fine
14-01822-14
14.5 cm/5¾"

Curved



Fig. 1
Metzenbaum
14-01825-14
14.5 cm/5¾"



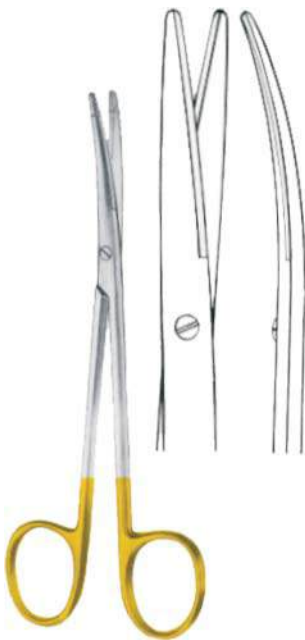
Fig. 2
Metzenbaum
14-01827-14
14.5 cm/5¾"



Fig. 3
Metzenbaum
14-01829-14
14.5 cm/5¾"

Pinsmed TC

Curved



Metzenbaum
14-01831-14
14.5 cm/5¾"



Metzenbaum-Fine
14-01833-14
14.5 cm/5¾"



Metzenbaum-Fine
14-01835-14
14.5 cm/5¾"

Straight



Metzenbaum-Fine

18 cm/7"	14-01838-18
20 cm/8"	14-01838-20
23 cm/9"	14-01838-23
25 cm/10"	14-01838-25
28 cm/11"	14-01838-28
30 cm/12"	14-01838-30



Metzenbaum

14-01840-18
14-01840-20
14-01840-23
14-01840-25
14-01840-28
14-01840-30



Metzenbaum

14-01842-18
14-01842-20
14-01842-23
14-01842-25
14-01842-28
14-01842-30



Metzenbaum

14-01844-18
14-01844-20
14-01844-23
14-01844-25
14-01844-28
14-01844-30

Pinsmed TC

Straight



Metzenbaum

18 cm/7"	14-01848-18
20 cm/8"	14-01848-20
23 cm/9"	14-01848-23
25 cm/10"	14-01848-25
28 cm/11"	14-01848-28
30 cm/12"	14-01848-30



Metzenbaum-Fine

14-01850-18
14-01850-20
14-01850-23
14-01850-25
14-01850-28
14-01850-30



Metzenbaum-Fine

14-01852-18
14-01852-20
14-01852-23
14-01852-25
14-01852-28
14-01852-30

Curved



	Metzenbaum-Fine	Metzenbaum	Metzenbaum	Metzenbaum
18 cm/7"	14-01855-18	14-01857-18	14-01859-18	14-01861-18
20 cm/8"	14-01855-20	14-01857-20	14-01859-20	14-01861-20
23 cm/9"	14-01855-23	14-01857-23	14-01859-23	14-01861-23
25 cm/10"	14-01855-25	14-01857-25	14-01859-25	14-01861-25
28 cm/11"	14-01855-28	14-01857-28	14-01859-28	14-01861-28
30 cm/12"	14-01855-30	14-01857-30	14-01859-30	14-01861-30

Pinsmed TC

Curved



	Metzenbaum	Metzenbaum-Fine	Metzenbaum-Fine
18 cm/7"	14-01865-18	14-01867-18	14-01869-18
20 cm/8"	14-01865-20	14-01867-20	14-01869-20
23 cm/9"	14-01865-23	14-01867-23	14-01869-23
25 cm/10"	14-01865-25	14-01867-25	14-01869-25
28 cm/11"	14-01865-28	14-01867-28	14-01869-28
30 cm/12"	14-01865-30	14-01867-30	14-01869-30



Sims
14-01870-20 20 cm/8"
14-01870-23 23 cm/9"



Straight
14-01872-20 20 cm/8" 14-01874-20
14-01872-23 23 cm/9" 14-01874-23



Sims
14-01977-20 20 cm/8"
14-01977-23 23 cm/9"



Curved
14-01879-20 20 cm/8" 14-01881-20
14-01879-23 23 cm/9" 14-01881-23

Pinsmed TC



Sims
14-01883-20 20 cm/8"
14-01883-23 23 cm/7"



Wertheim
14-01887-14 14.5 cm/5¾"
14-01887-19 19.5 cm/7¾"
14-01887-22 22.5 cm/9"



Curved

Dubois
14-01892-27 27 cm/10½"



Dubois
14-01893-27 27 cm/10½"



Straight

Doyen
14-01896-16 16 cm/6¼"
14-01896-18 18 cm/7"



Curved

Doyen
14-01897-16 16 cm/6¼"
14-01897-18 18 cm/7"



Kelly
14-01900-16 16 cm/6¼"
14-01900-18 18 cm/7"



Kelly
14-01901-16 16 cm/6¼"
14-01901-18 18 cm/7"



Fig. 1
14-01904-12



Fig. 2
14-01906-12

Straight



Fig. 3
14-01908-12

12cm/4¾"



Fig. 1
14-01911-12



Fig. 2
14-01913-12

Curved



Fig. 3
14-01915-12

12cm/4¾"

Saw Edge



Wagner
12cm/4¾"

Curved



Fig. 1
14-01916-12



Fig. 2
14-01918-12



Fig. 3
14-01920-12



Fig. 4
14-01922-12



Fig. 1
14-01923-12



Fig. 2
14-01925-12



Fig. 3
14-01927-12



Fig. 4
14-01929-12



14-01932-12
11.5cm/4½"

Straight



14-01933-12
11.5cm/4½"

Curved



Straight

Brophy (Sullivan)
14-01936-14

14.5 cm/5¾"

14-01937-14



Curved



Straight

Reynolds
14-01940-15
14-01940-18

15 cm/6"
18 cm/7"



Curved

14-01941-15
14-01941-18

Enucleation Scissors



Jameson
14-01945-15
15cm/6"



14-01948-12



14-01951-12



Landolt
12.5cm/5"

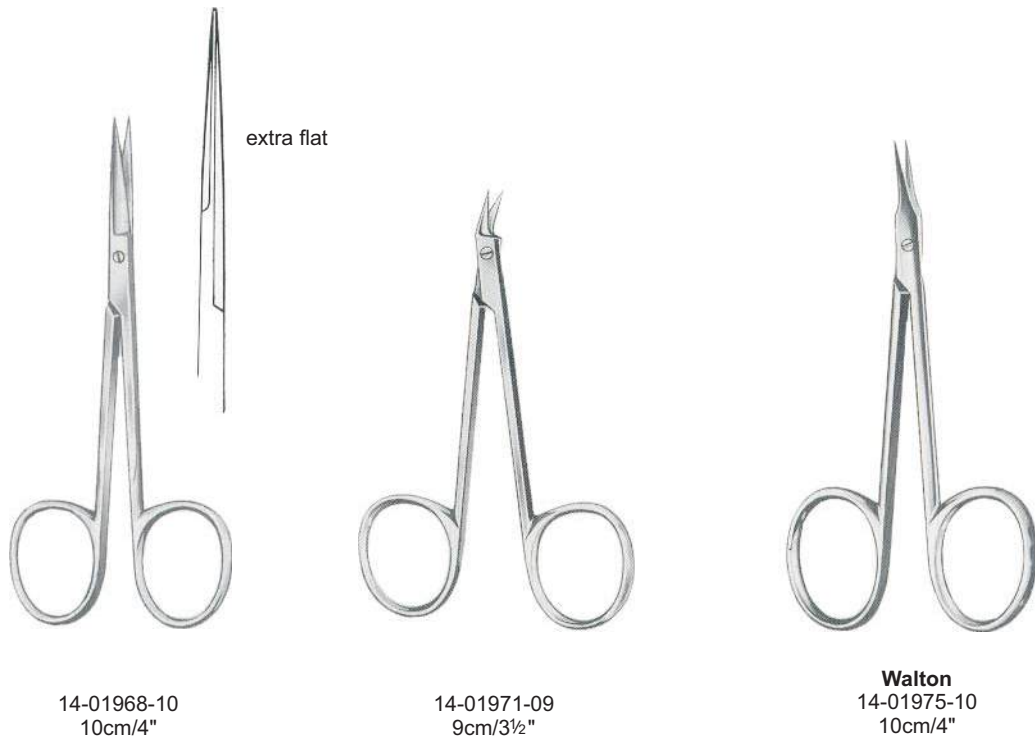
14-01953-12



14-01955-12



9.0 cm/3½"	14-01958-09	14-01959-09	14-01961-09	14-01964-09	14-01965-09
10.5 cm/4¼"	14-01958-10	14-01959-10	14-01961-10	14-01964-10	14-01965-10
11.5 cm/4½"	14-01958-11	14-01959-11	14-01961-11	14-01964-11	14-01965-11



14-01968-10
10cm/4"

14-01971-09
9cm/3½"

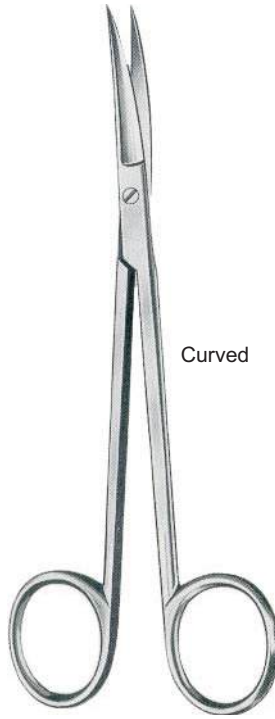
Walton
14-01975-10
10cm/4"



Straight

14-01978-14

Sanvenero
14.5cm/5¾"



Curved

14-01979-14



Straight

14-01982-10

Baby-Lexer (Knapp)
10cm/4"



Curved

14-01983-10



Straight

14-01986-13

13cm/5"

Curved

14-01987-13



Straight

14-01990-14

Joseph
14cm/5½"



Curved

14-01991-14



Kilner (Regnell)
14-01995-12 12cm/4¾"
14-01995-13 13cm/5"
14-01995-15 15cm/6"



14-01998-14
14.5cm/5¾"

Coronary Scissors



14-02002-11
11.5cm/4½"



Potts-Smith
14-02005-19
19.5cm/7¾"



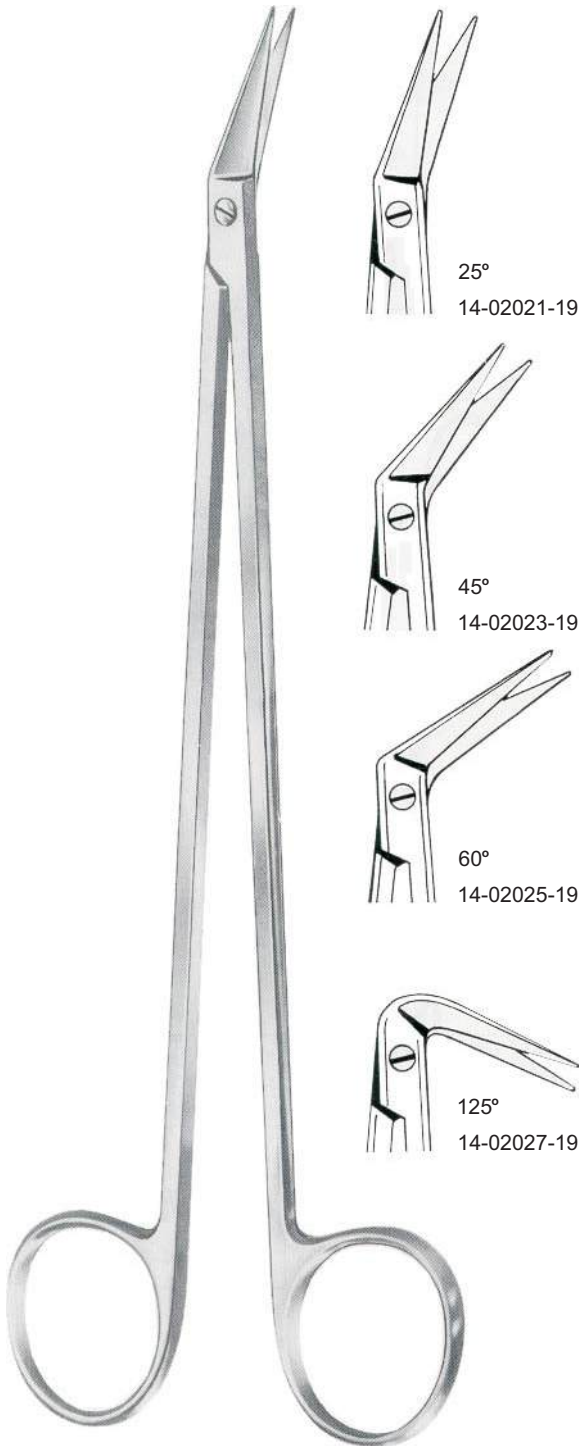
De Bakey
14-02009-15
15.5cm/6"



De Bakey
14-02013-15
15.5cm/6"

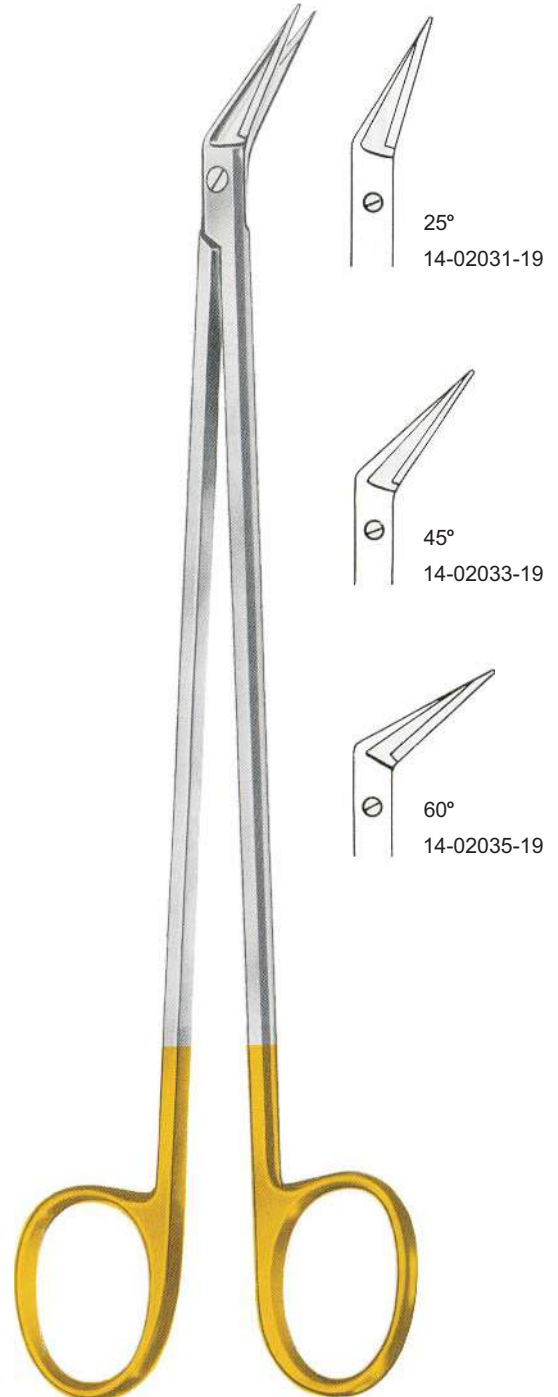


Favaloro
14-02017-15
15cm/6"



Potts-Smith
19cm/7½"

PinsmedTC



Potts-Smith
19cm/7½"



Saw Edge

Martin-Cartilage
14-02039-20
20cm/8"



McIndoe
14-02042-19
19cm/7½"



Potts-Smith
14-02045-19
19cm/7½"



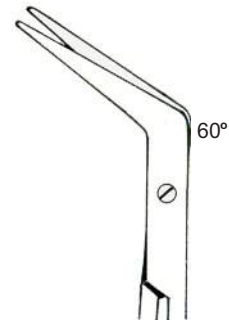
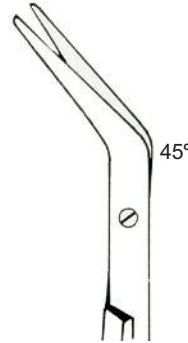
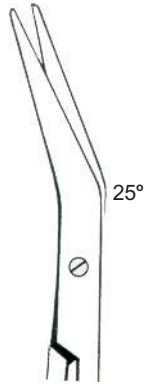
Satinsky
14-02049-24
24.5cm/10"



Klingenberg-Loth
14-02053-23
23cm/9"



De Bakey
18cm/7"

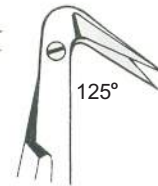


cm	In			
16.0cm	6¼"	14-02057-16	14-02059-16	14-02061-16
23.0cm	9"	14-02057-23	14-02059-23	14-02061-23
28.0cm	11"	14-02057-28	14-02059-28	14-02061-28



Baby-Hegemann
13.5cm/5¼"

Hegemann (Diethrich)
16cm/6¼"
19cm/7½"



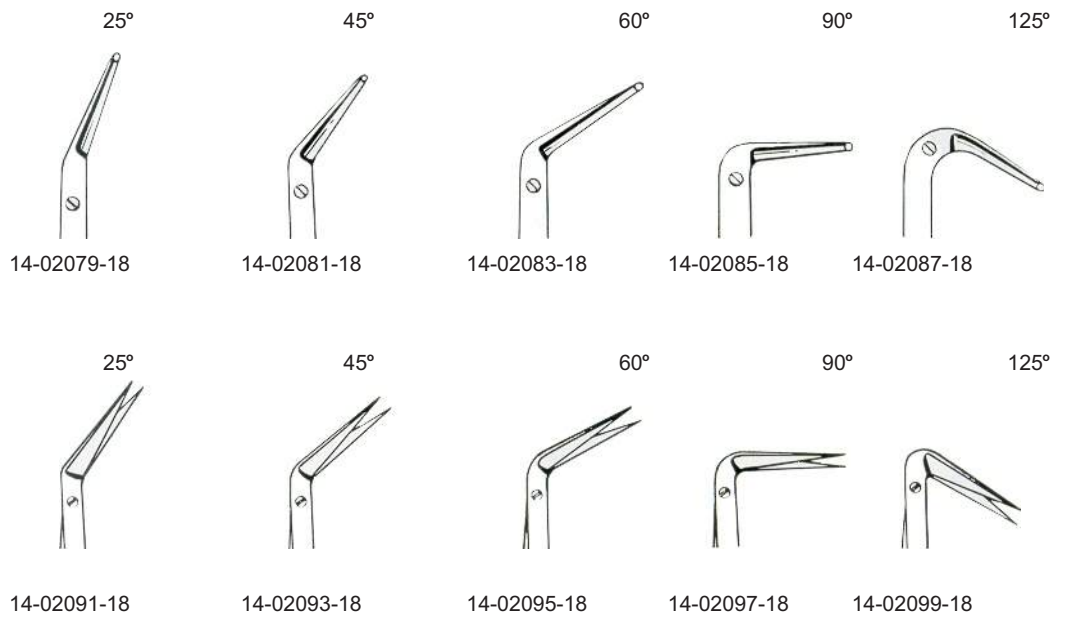
cm	In					
13.0cm	5¼"	14-02063-13	14-02065-13	14-02067-13	14-02069-13	14-02071-13
16.0cm	6¼"	14-02063-16	14-02065-16	14-02067-16	14-02069-16	14-02071-16
19.0cm	7½"	14-02063-19	14-02065-19	14-02067-19	14-02069-19	14-02071-19



Hegemann (Diethrich)
14-02075-19
19cm/7½"



18cm/7"



Nerve Dissecting Scissors



14-02103-15
15cm/6"

Tonsil Scissors



Bottcher
14-02107-18
18cm/7"



Prince
14-02111-17
17.5cm/7"

Arteriotomy Scissors



Tonnis-Adson-Fine
14-02115-17
17.5cm/7"

Straight



Tonnis
14-02118-18
18cm/7"

Curved



Tonnis
14-02119-18
18cm/7"



Tonnis-Adson
14-02123-17
17.5cm/7"

PinsmedTC



Tonnis-Adson
14-02125-17
17.5cm/7"

Tonsil Scissors



Good
14-02129-19
19 cm/7½"

Lobectomy Scissors



Crafoord
14-02133-30
30 cm/12"



Finochietto
14-02137-27
27 cm/10½"

Enterotomy Scissors



14-02142-21
21 cm/8¼"



14-02146-21
21 cm/8¼"



14-02150-21
21 cm/8¼"



Busch
14-02153-13 13 cm/5"
14-02153-16 16 cm/6¼"



Schumacher
14-02157-16
16 cm/6¼"



Mod. USA
14-02160-10
10.5 cm/4¼"



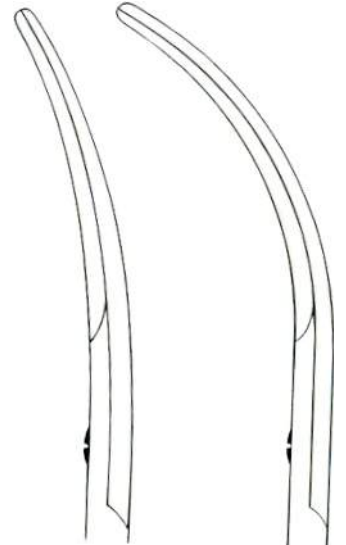
Braun-Stadler
14-02163-14
14 cm/5½"



Braun-Stadler
14-02165-22
22 cm/8½"



Pinsmed TC



14-02169-23
23 cm/9"

14-02171-23
23 cm/9"



Heymann
14-02175-18
18 cm/7"



Heymann
14-02177-19
19.5 cm/7¾"



Knight
14-02181-18
18 cm/7"



Fomon
14-02185-13
13 cm/5"



Fomon
14-02189-13
13.5 cm/5¼"



Fomon
14-02191-13
13.5 cm/5¼"



Cottle
14-02195-16
16 cm/6¼"



Halle
14-02199-19
19 cm/7¼"



Strully
14-02202-22 22 cm/8¾" 14-02203-22



Dandy
14-02207-22 17 cm/6¾"



Trigeminal Scissors

Olivecrona
14-02211-15



Universal
14-02215-12 12 cm/4¾"



Goldman-Fox
Straight
14-02218-13 13 cm/5"



Goldman-Fox
Curved
14-02219-13 13 cm/5"

Pinsmed TC

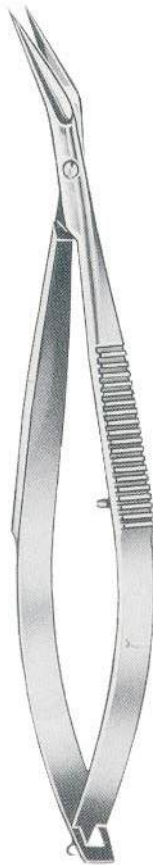


Fig. 1

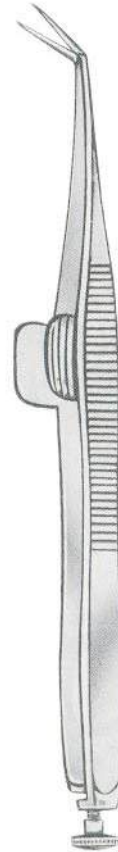


Fig. 2

Fig. 3



Noyes
14-02225-12
12 cm/4¾"

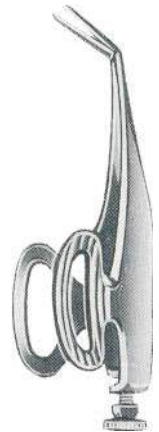


14-02229-01



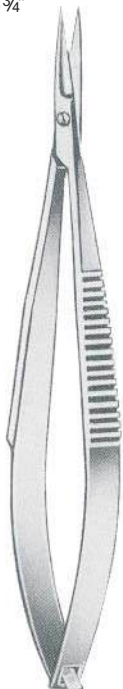
14-02229-02

Wecker
11.5 cm/4½"



Barraquer
14-02233-05
5.5 cm/2¼"

Noyes
Fig.1 14-02222-01
Fig.2 14-02222-02
Fig.3 14-02222-03
12 cm/4¾"



14-02236-09
9 cm/3½"



14-02238-09



14-02240-09



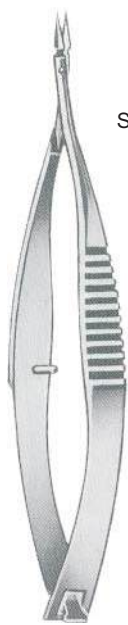
14-02243-09



14-02245-09

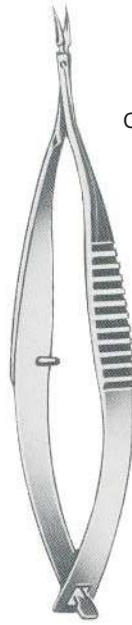


14-02247-09



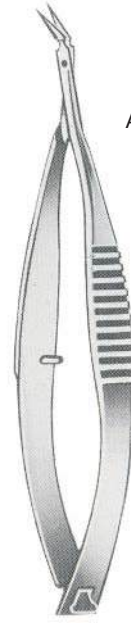
Straight

Vannas
14-02250-08
8 cm/3¼"



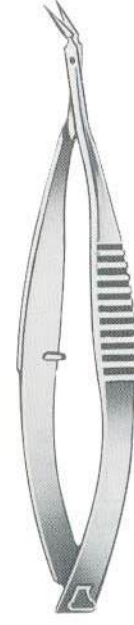
Curved

Vannas
14-02253-08
8 cm/3¼"

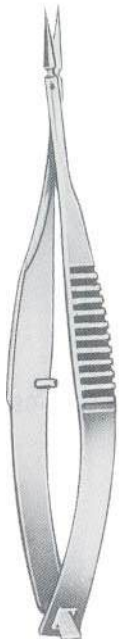


Angular

Vannas
14-02255-08
8 cm/3¼"

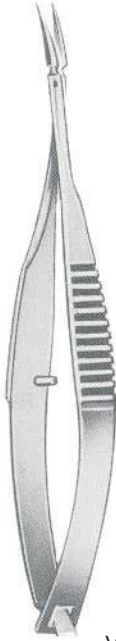


Vannas
14-02257-08
8 cm/3¼"



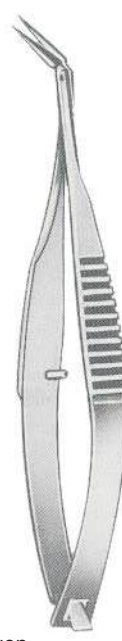
Straight

14-02260-08
8.5 cm/3¼"



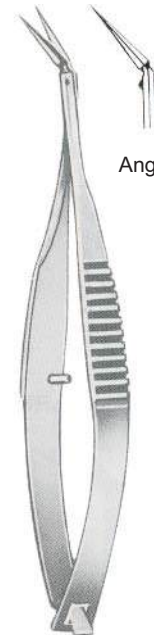
Curved

Vannas Mod, Tubingen
14-02263-08
8.5 cm/3½"



Angular

14-02265-08
8.5 cm/3½"



Angular

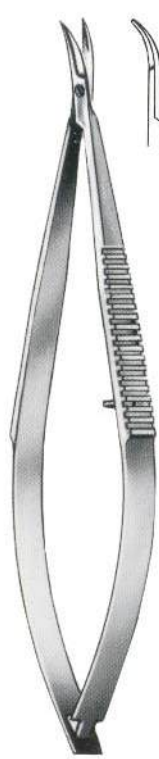
14-02267-08
8.5 cm/3½"



14-02270-10
10 cm/4"



14-02271-10
10 cm/4"



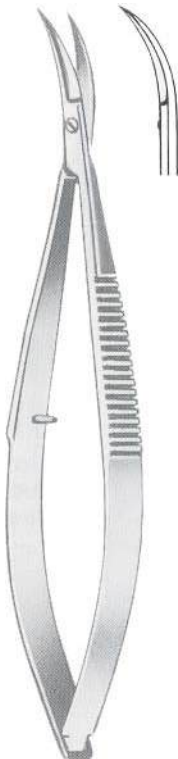
Castroviejo
14-02273-10
10 cm/4"



Castroviejo
14-02275-10
10 cm/4"



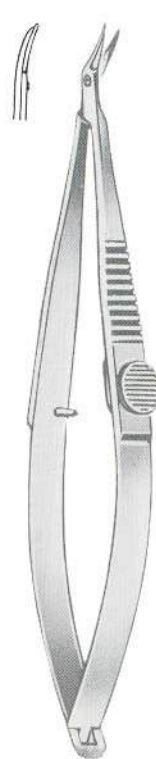
Aebli
14-02277-10
10 cm/4"



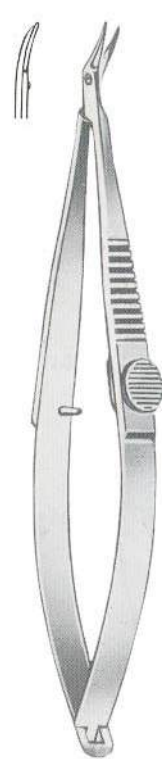
Castroviejo
14-02281-10
10 cm/4"



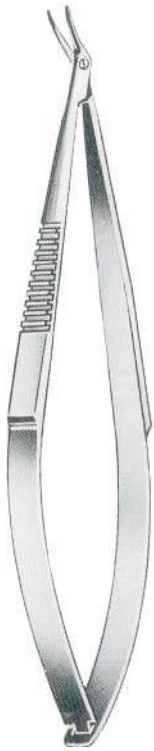
Castroviejo
14-02283-10
10 cm/4"



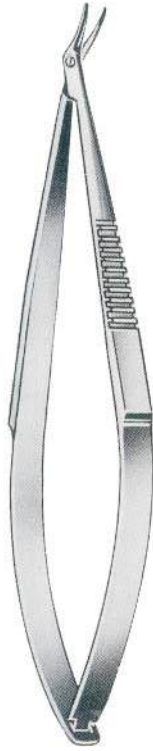
Troutman-Barraquer
14-02285-10
10 cm/4"



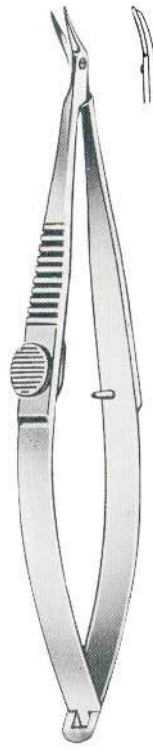
Troutman-Barraquer
14-02287-10
10 cm/4"



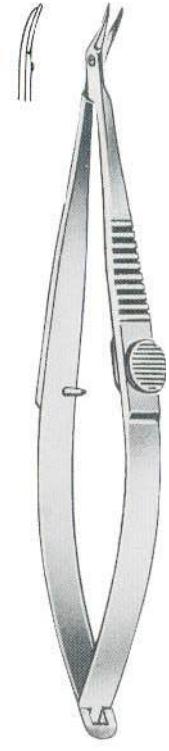
Troutman
14-02291-10
10 cm/4"



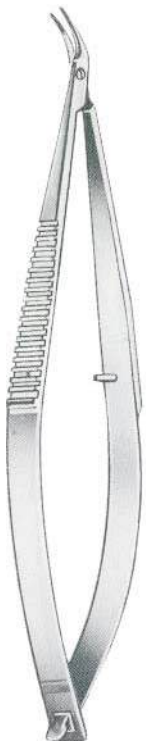
Troutman
14-02293-10
10 cm/4"



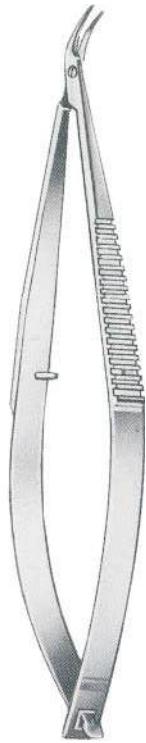
Katzin-Barraquer
14-02295-10
10 cm/4"



Katzin-Barraquer
14-02297-10
10 cm/4"



Katzin
14-02301-11
10 cm/4"



Katzin
14-02303-11
10 cm/4"



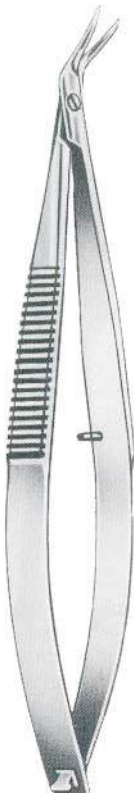
Westcott
14-02307-11
11 cm/4 1/2"



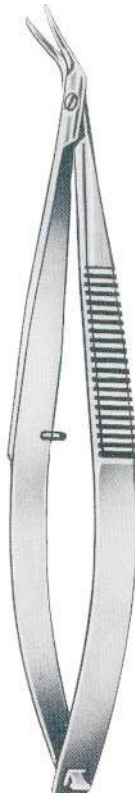
Westcott
14-02309-11
11 cm/4 1/2"



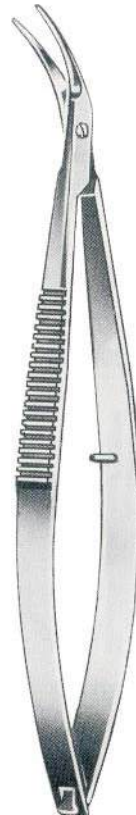
Westcott
14-02311-11
11 cm/4 1/2"



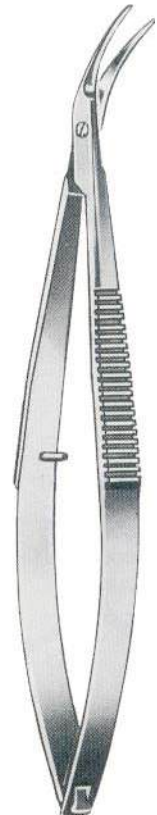
Castroviejo
14-02315-10
10 cm/4"



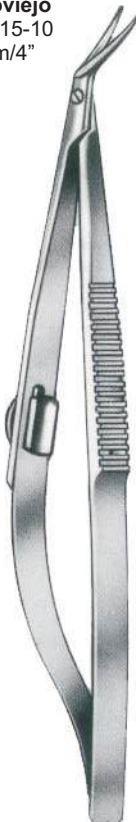
Castroviejo
14-02317-10
10 cm/4"



Castroviejo
14-02321-11
11.5 cm/4½"



Castroviejo
14-02323-11
11.5 cm/4½"



Troutmann-Castroviejo
14-02327-10
10.5 cm/4¼"



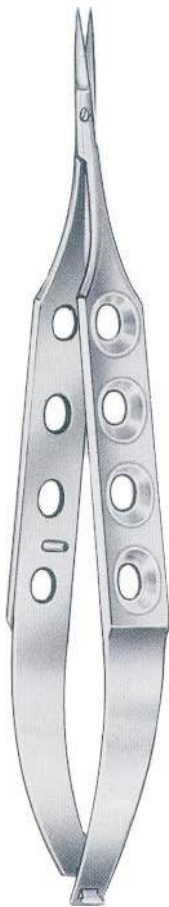
Troutmann-Castroviejo
14-02329-10
10.5 cm/4¼"



Straight
14-02332-14
14-02332-18

Curved
14-02333-14
14-02333-18

14.5 cm/5¾"
18.0 cm/7"



Straight

- 14-02336-12 12.0 cm/4 3/4"
- 14-02336-16 16.0 cm/6 1/4"
- 14-02336-18 18.5 cm/7 1/4"



Curved

- 14-02337-12 12.0 cm/4 3/4"
- 14-02337-16 16.0 cm/6 1/4"
- 14-02337-18 18.5 cm/7 1/4"



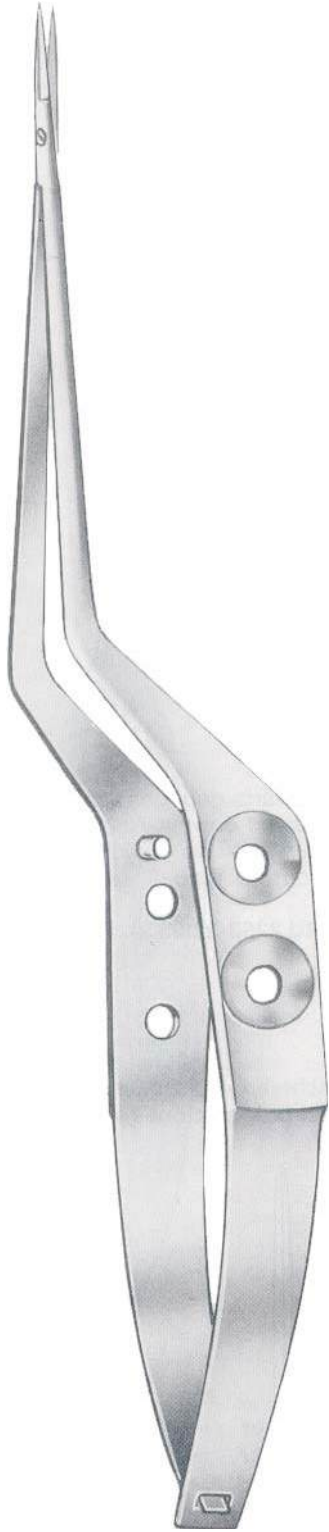
**Vannas
Straight**

- 14-02340-12 12.0 cm/4 3/4"
- 14-02340-16 16.0 cm/6 1/4"



**Vannas
Curved**

- 14-02341-12 12.0 cm/4 3/4"
- 14-02341-16 16.0 cm/6 1/4"



Yasargil

16.5cm/6½"
20.0cm/8"

20.0cm/8"

20.0cm/8"



Straight
14-02344-16
14-02344-20



Curved
14-02345-16
14-02345-20



Curved Downwards
14-02347-20

Dissecting Scissors



Straight
14-02350-20



Curved
14-02351-20



Yasargil

22.5cm/9"
24.5cm/9¾"



Straight
14-02354-22
14-02354-24



Curved
14-02355-22
14-02355-24



Curved Downwards
14-02357-22

22.5cm/9"

Dissecting Scissors



Straight
14-02360-22



Curved
14-02361-22

22.5cm/9"



Jacobson
18cm/7"

14-02364-18



14-02370-19

14-02365-18



14-02371-19

14-02367-18



14-02373-19



14-02376-19

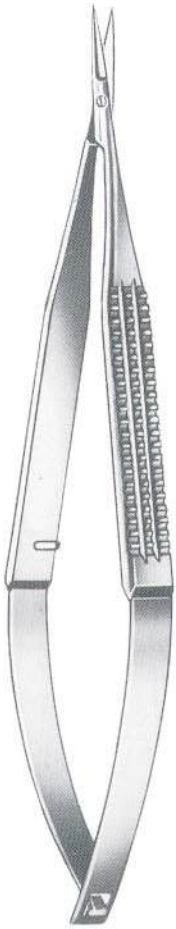


14-02377-19

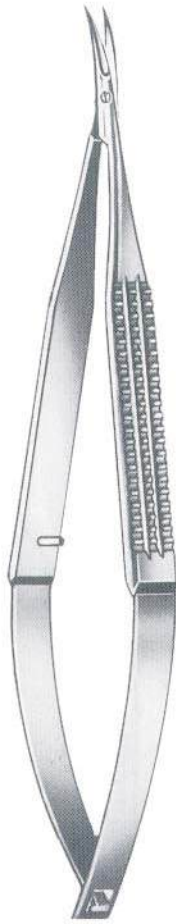


19cm/7½"

Vein Scissors



Straight
14-02384-12
12cm/4¾"



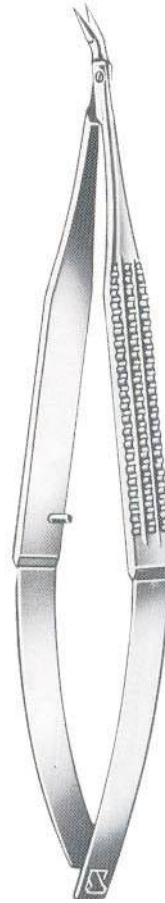
Curved
14-02385-12
12cm/4¾"



Straight
14-02392-12
12cm/4¾"



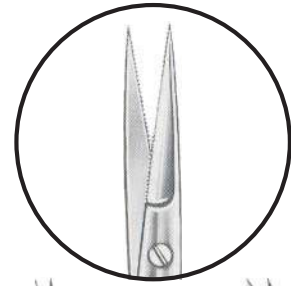
Curved
14-02393-12
12cm/4¾"



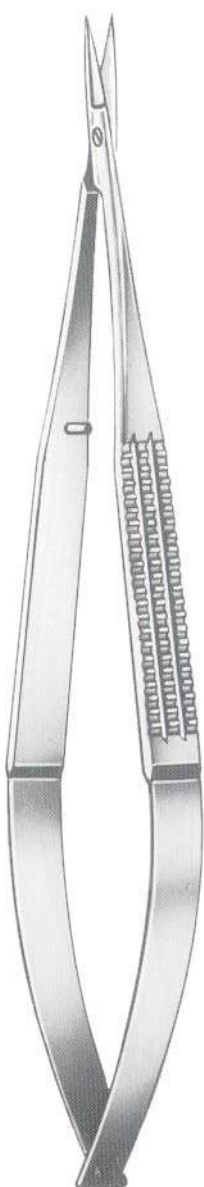
Angled up
14-02395-12
12cm/4¾"



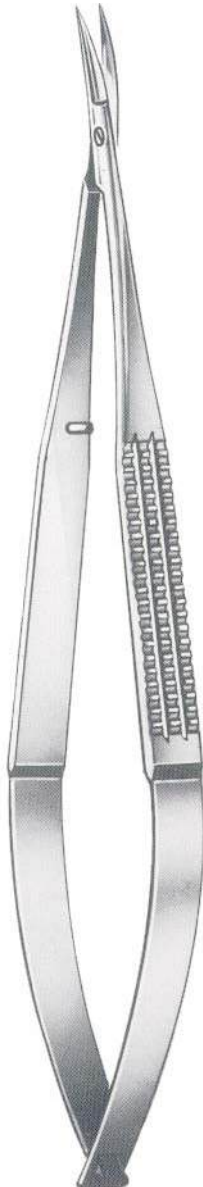
Straight
14-02400-13
13cm/5 1/8"



Saw Edge



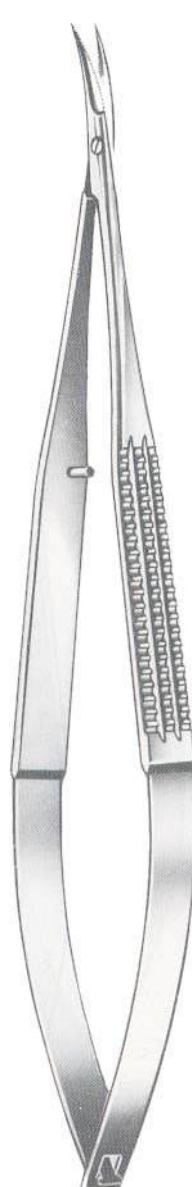
Straight
14-02404-16
16cm/6¼"



Curved
14-02405-16
16cm/6¼"



Straight
14-02408-16
16cm/6¼"



Curved
14-02409-16
16cm/6¼"



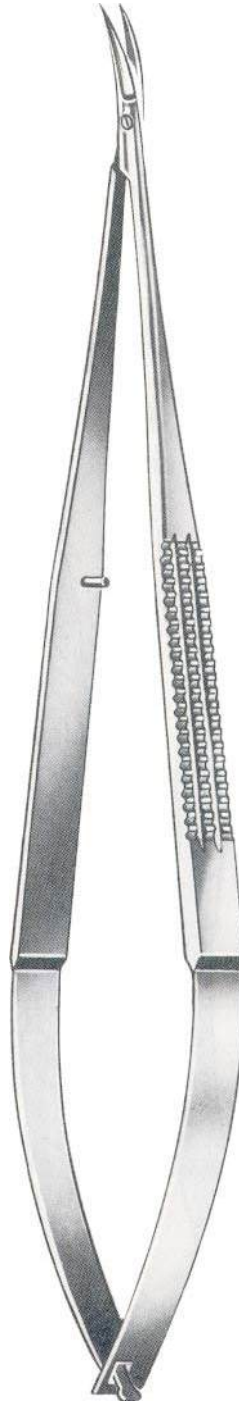
Millesi
Straight
14-02412-16
16cm/6¼"



Millesi
Curved
14-02413-16
16cm/6¼"



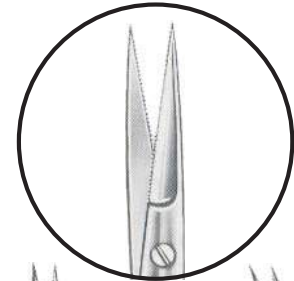
Straight
14-02416-18
18.5cm/7¼"



Curved
14-02417-18
18.5cm/7¼"



Angular
14-02421-18
18.5cm/7¼"



Saw Edge



Straight
14-02424-16
16cm/6¼"



Curved
14-02425-16
16cm/6¼"



Straight
14-02428-16
16cm/6¼"



Curved
14-02429-16
16cm/6¼"



Straight
14-02432-16
16cm/6¼"



Curved
14-02433-16
16cm/6¼"



Straight
14-02436-18
18.5cm/7¼"



Curved
14-02437-18
18.5cm/7¼"



Angular
14-02441-18
18.5cm/7¼"



Straight
14-02444-23
23cm/9"

Dissecting Scissors



Straight
14-02448-14
14.5cm/5¾"



Curved
14-02449-14
14.5cm/5¾"



Curved
14-02451-14
14.5cm/5¾"



PinsmedTC





Standard

9.0 cm/3½"	14-02482-09	14-02483-09	14-02485-09	14-02487-09
10.5 cm/4¼"	14-02482-10	14-02483-10	14-02485-10	14-02487-10
11.5 cm/4½"	14-02482-11	14-02483-11	14-02485-11	14-02487-11



Fine

Fine

9.0cm/3¾"			14-02496-09	14-02497-09
10.5cm/4¼"	14-02492-10	14-02493-10	14-02496-10	14-02497-10
11.5cm/4½"	14-02492-11	14-02493-11	14-02496-11	14-02497-11



Straight

Fine

9.5 cm/3¾"	14-02500-09
10.5 cm/4¼"	14-02500-10
11.5 cm/4½"	14-02500-11



Curved

Fine

14-02501-09
14-02501-10
14-02501-11



Straight

14-02504-10 10cm/4"

Curved

14-02505-10

Tenotomy Scissors



10.5cm/4¼"
11.5cm/4½"



Pointed

Straight
14-02508-10
14-02508-11



Curved
14-02509-10
14-02509-11



Blunt

Straight
14-02512-10
14-02512-11



Curved
14-02513-10
14-02513-11



Straight
14-02516-08



Bonn
8cm/3¼"

Curved
14-02517-08



Graefe
14-02520-10
10.5cm/4¼"



Wilmer
14-02521-10
10cm/4"



14-02524-11



11.5cm/4½" 14-02525-11

PinsmedTC



Straight
14-02528-11



Curved
14-02529-11
11.5cm/4½"



La Grange
14-02532-11
11.5cm/4½"



Chadwick
14-02533-11
11cm/4½"

Neurosurgical Scissors



Straight

14-02536-11 11cm/4½"
14-02536-13 13cm/5"



Curved

14-02537-11
14-02537-13



Potts-de Martel
14-02541-21
21cm/8¼"



Mills
14-02543-21
21cm/8¼"



Dura Scissors

Schmieden-Taylor
14-02547-14 14.5cm/5¾"
14-02547-17 17.0cm/6¾"



14-02551-22
Strully
22cm/8¾"



14-02553-22



Dandy
14-02555-17
17cm/6¾"



Littauer
14-02559-14
14cm/5½"



Spencer
14-02563-09
9cm/3½"



Spencer
14-02565-10 10.5cm/4¼"
14-02565-12 12.0cm/4¾"



Spencer-Fine
14-02567-11 11.5cm/4½"
14-02567-16 16cm/6¼"



Shortbent
14-02571-09
9cm/3½"



Northbent
14-02575-12
12.5cm/5"



Spencer
14-02579-11
11.5cm/4½"



Littler
14-02583-11
11.5cm/4½"



Heath
14-02587-15
15cm/6"



14-02591-10
10cm/4"



Eiselsberg
14-02595-11
11.5cm/4½"



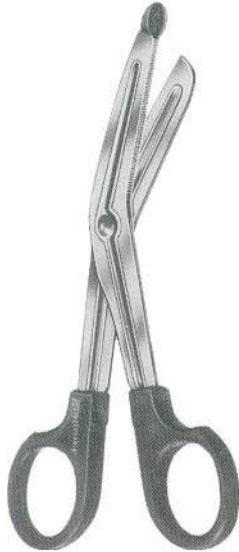
Wire Cutting Scissors

Schoemaker-Loth
14-02599-12
12.5cm/5"



Saw Edge

Universal
14-02603-12
12cm/4¾"



	Universal	Universal	Universal
Black	14-02607-01	14-02609-01	14-02611-01
Blue	14-02607-02	14-02609-02	14-02611-02
Red	14-02607-03	14-02609-03	14-02611-03
Green	14-02607-04	14-02609-04	14-02611-04

14.5 cm/5¾"

16 cm/6¼"

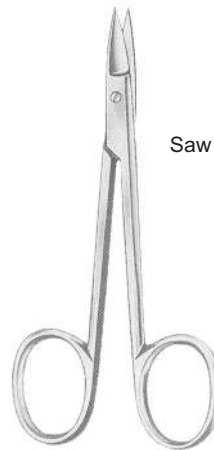
18 cm/7"



Smith
14-02615-17
17.5 cm/7"



Harvey
14-02618-12
12.5 cm/5"



Schuknecht
14-02622-10
10 cm/4"

Nail Splinting Scissors



14-02626-13 13 cm/5"
14-02626-15 15 cm/6"

PinsmedTC



Lister

- 14-02629-09 09.0 cm/3 1/2"
- 14-02629-11 11.5 cm/4 1/2"
- 14-02629-14 14.0 cm/5 1/2"
- 14-02629-15 15.5 cm/6"
- 14-02629-18 18.0 cm/7"
- 14-02629-20 20.0 cm/8"



Lister

- 14-02631-18
18 cm/7"



Lister

- 14-02633-18 18.5 cm/7 1/4"
- 14-02633-21 21.0 cm/8 1/4"



Lister-Excentric

- 14-02637-16 16 cm/6 1/4"
- 14-02637-19 19 cm/7 1/2"



Esmarch

- 14-02641-20 20 cm/8"
- 14-02641-22 22 cm/8 3/4"



Bergmann

- 14-02645-23
23 cm/9"



Lorenz

- 14-02649-23
23 cm/9"



Saw edge

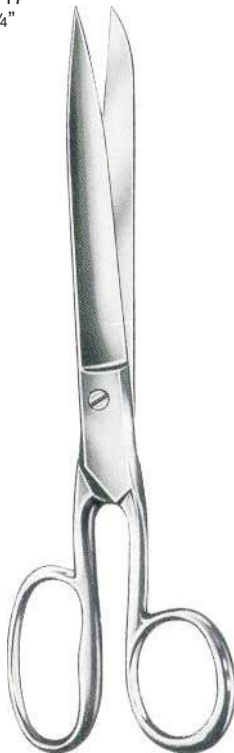
14-02653-17
17 cm/6¾"



Lange
14-02657-18
18 cm/7"



Bruns
14-02661-24 24 cm/9½" Saw edge
14-02663-24 24 cm/9½" Smooth
14-02667-24 24 cm/9½" *Pinsmed TC*



Smith (Mod. USA)
14-02671-18 18 cm/7"
14-02671-20 20 cm/8"
14-02671-23 23 cm/9"



Knowles
14-02674-14
14 cm/5½"



Knowles
14-02675-14
14 cm/5½"



14-02679-13
13 cm/5"



14-02683-20
20 cm/8"



Seutin
14-02687-23
23 cm/9"



14-2691-23
23 cm/9"



Collin
14-02695-22
22 cm/8¾"



Gluck
14-02699-22
22 cm/8¾"



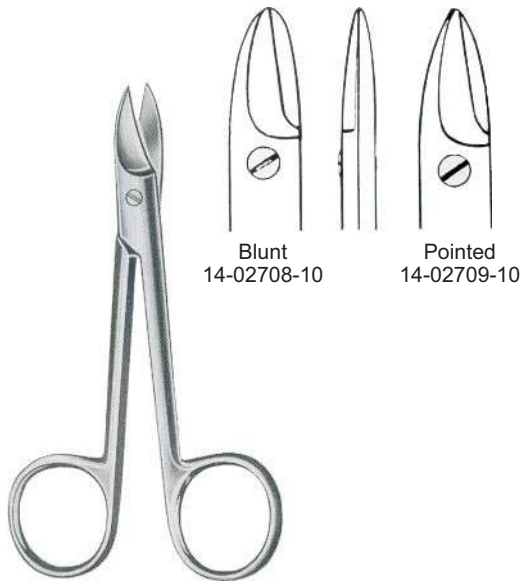
Stille
14-02701-21
21 cm/8¼"



Stille
14-02703-24
24 cm/9½"



Stille
14-02705-23 23 cm/9"
14-02705-26 26 cm/10¼"
14-02705-37 37 cm/14½"



Blunt
14-02708-10

Pointed
14-02709-10

Beebee
Straight
10.5 cm/4 1/4"



Blunt
14-02712-10

Pointed
14-02713-10

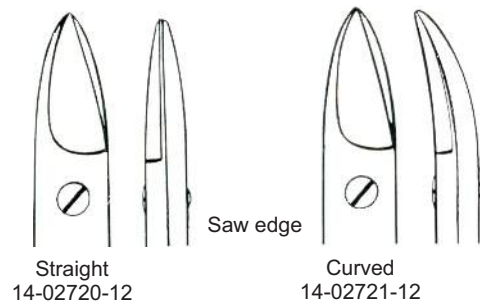
Beebee
Curved
10.5 cm/4 1/4"



14-02716-10
10.5 cm/4 1/4"



Beebee
12 cm/4 3/4"



Saw edge
Straight
14-02720-12

Curved
14-02721-12



Goldmann-Fox
14-02724-13
13 cm/5"

Saw edge



Goldmann-Fox
14-02725-13
13 cm/5"



Niro
14-02729-14
14 cm/5 1/2"



Goldmann-Fox
(Spezial)
14-02733-13
13 cm/5"

Saw edge



14-02737-11
11.5 cm/4 1/2"

Fine



Quinby
14-02740-12
12 cm/4 3/4"



Quinby
14-02741-12
12 cm/4 3/4"



Saw edge

Dean
14-02745-17
17 cm/6¾"



Dean
14-02747-17
17 cm/6¾"



Saw edge

Locklin
14-02751-16
16.5 cm/6½"



Locklin
14-02753-16
16.5 cm/6½"



Saw edge

Sullivan
14-02758-14
14.5 cm/5¾"



Sullivan
14-02759-14
14.5 cm/5¾"



Neumann
14-02763-12
12.5 cm/5"



Saw edge

La Grange
14-02765-11
11.5 cm/4½"



14-02768-11	Standard 11.5 cm/4½"	14-02769-11		14-02772-11	Standard 11.5 cm/4½"	14-02773-11		14-02777-11	Chadwick 11.5 cm/4½"
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Saw edge

Nail scissors



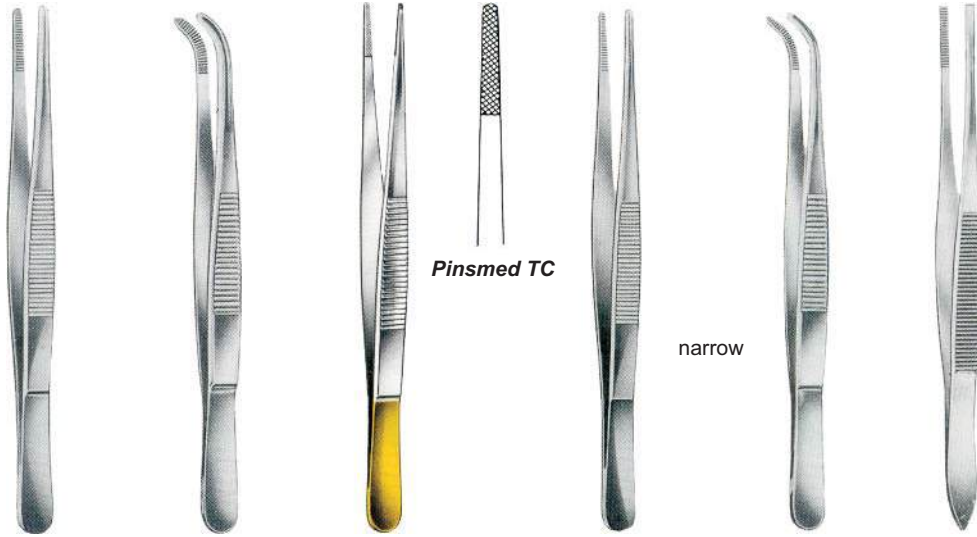
09.0 cm/3½"	14-02780-09	14-02781-09	14-02784-09	14-02785-09
10.5 cm/4¼"	14-02780-10	14-02781-10	14-02784-10	14-02785-10

Straight

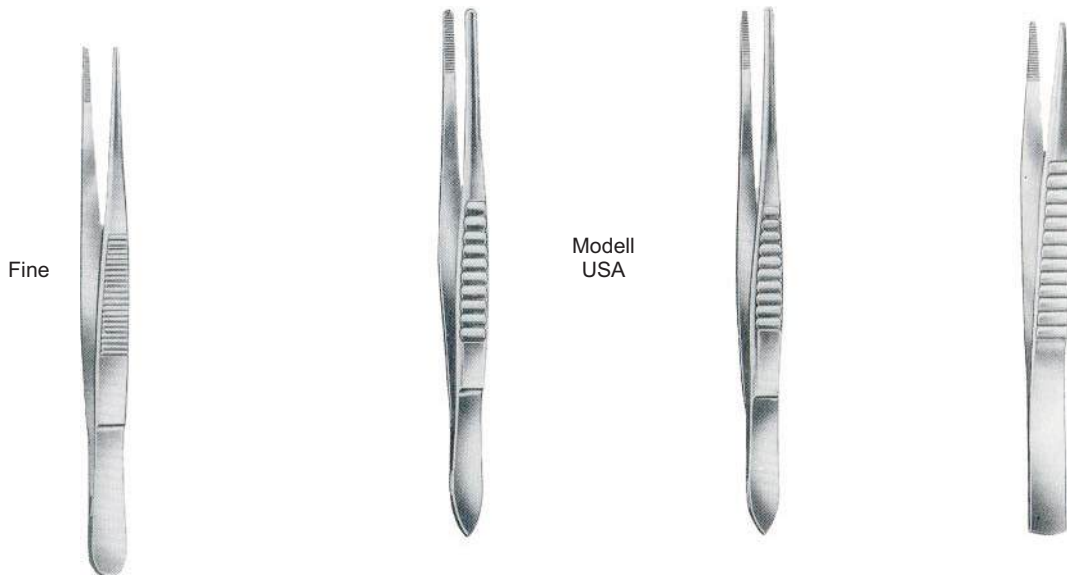
Curved

Straight

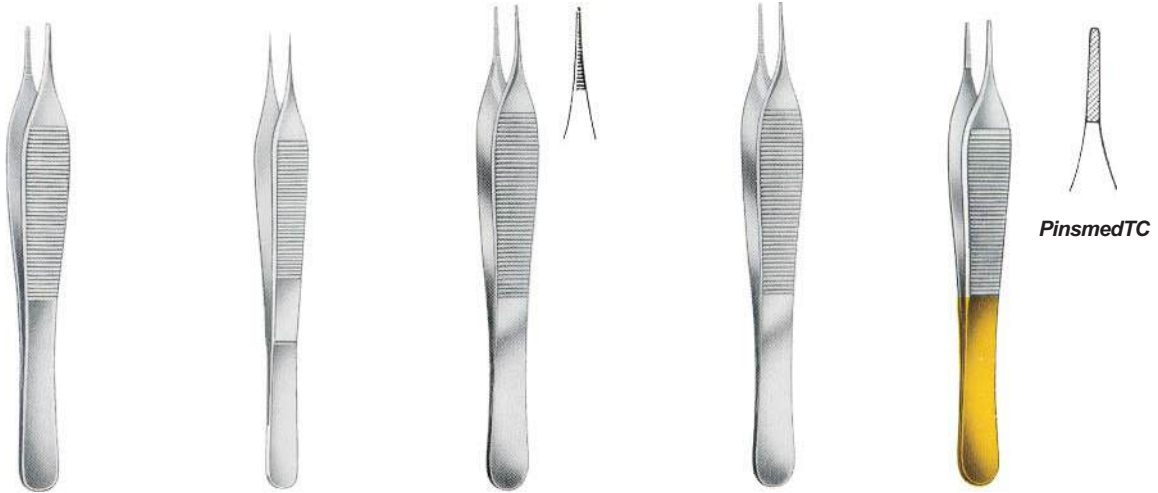
Curved



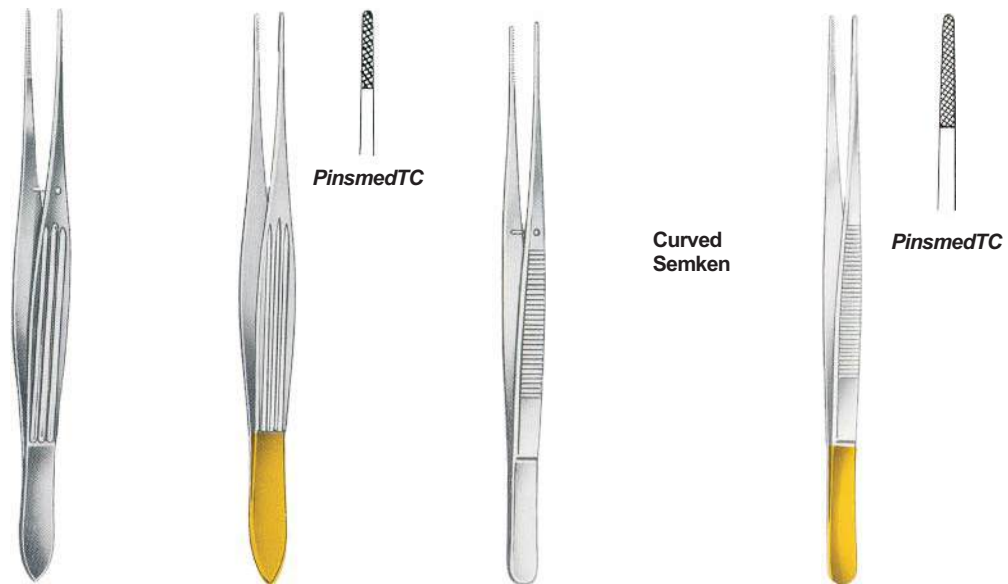
cm	in	Standard	Standard	Standard			Stille
10.5	4 1/4"	15-02788-10					
11.5	4 1/2"	15-02788-11	15-02789-11			15-02796-11	15-02797-11
13.0	5"	15-02788-13	15-02789-13			15-02796-13	15-02797-13
14.5	5 3/4"	15-02788-14	15-02789-14	15-02792-14		15-02796-14	15-02797-14
15.0	6"	15-02788-15					15-02802-15
16.0	6 1/4"	15-02788-16	15-02789-16	15-02792-16		15-02796-16	15-02797-16
17.0	6 3/4"						15-02802-17
18.0	7"	15-02788-18	15-02789-18	15-02792-18		15-02796-18	15-02797-18
20.0	8"	15-02788-20	15-02789-20	15-02792-20		15-02796-20	15-02797-20
25.0	10"	15-02788-25	15-02789-25	15-02792-25		15-02796-25	15-02797-25
30.0	12"	15-02788-30	15-02789-30			15-02796-30	15-02797-30



cm	in	Standard	Narrow	Engl.Modell
11.5	4 1/2"	15-02806-11		
12.0	4 3/4"		15-02810-12	15-02814-12
13.0	5"	15-02806-13	15-02810-13	15-02814-13
14.5	5 3/4"	15-02806-14	15-02810-14	15-02814-14
15.0	6"	15-02806-15	15-02810-15	15-02814-15
16.0	6 1/4"	15-02806-16		
18.0	7"	15-02806-18		
20.0	8"	15-02806-20		
21.0	8 1/4"		15-02810-21	
25.0	10"		15-02810-25	
30.0	12"		15-02810-30	



cm	in	Ewald	Jacobson-Adson	Micro-Adson	Adson-Standard	Adson
12.0	4¾"	15-02822-12	15-02826-12	15-02830-12	15-02834-12	15-02838-12
15.5	6"	15-02822-15	15-02826-15	15-02830-15	15-02834-15	15-02838-15



cm	in	McIndoe	McIndoe	Semken	Semken	Semken
12.0	4¾"			15-02848-12	15-02849-12	15-02852-12
15.0	6"	15-02842-15	15-02844-15	15-02848-15	15-02849-15	15-02852-15



Taylor

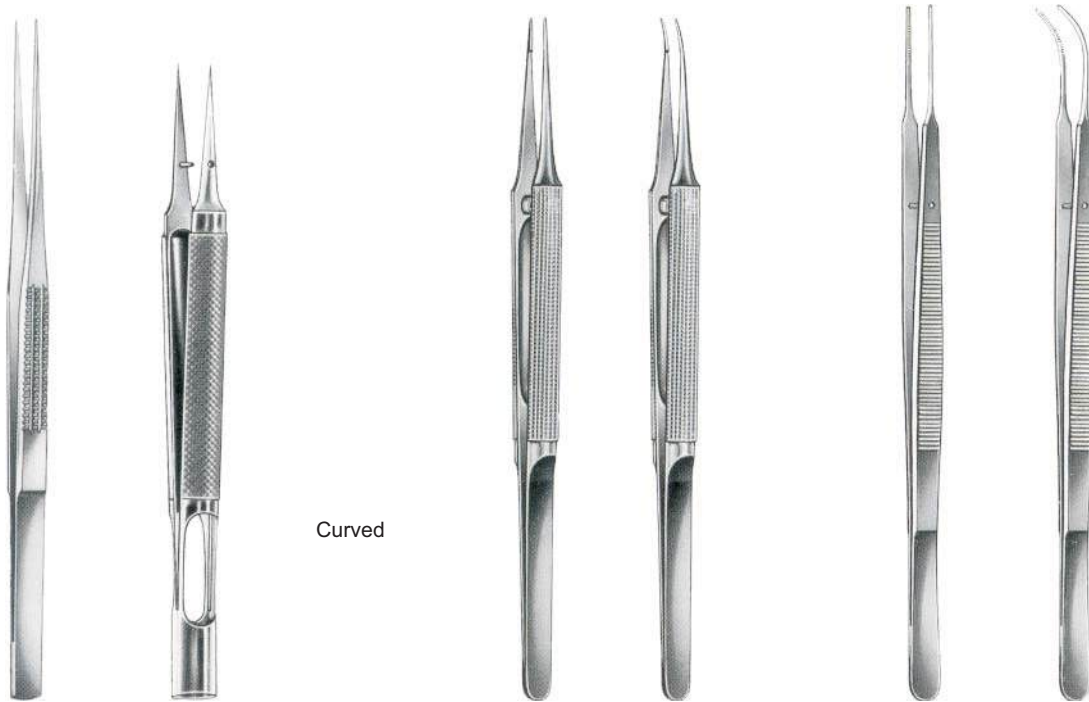
15-02856-17 15-02857-17 15-02862-17 15-02863-17 15-02867-17

17.5cm/7"



Smooth Jaw

cm	in	Waugh	Bonney	Brophy	Brophy
15.0	6"	15-02870-15			
18.0	7"	15-02870-18	15-02882-18		
20.0	8"	15-02870-20		15-02886-18	15-02887-18



Curved

Gerald

cm	in						
12.0	4¾"			15-02898-12	15-02899-12		
13.0	5"	15-02894-13	15-02895-13				
15.0	6"	15-02890-15		15-02898-15	15-02899-15		
17.5	7"					15-02902-17	15-02903-17
18.0	7"	15-02890-18		15-02898-18	15-02899-18		

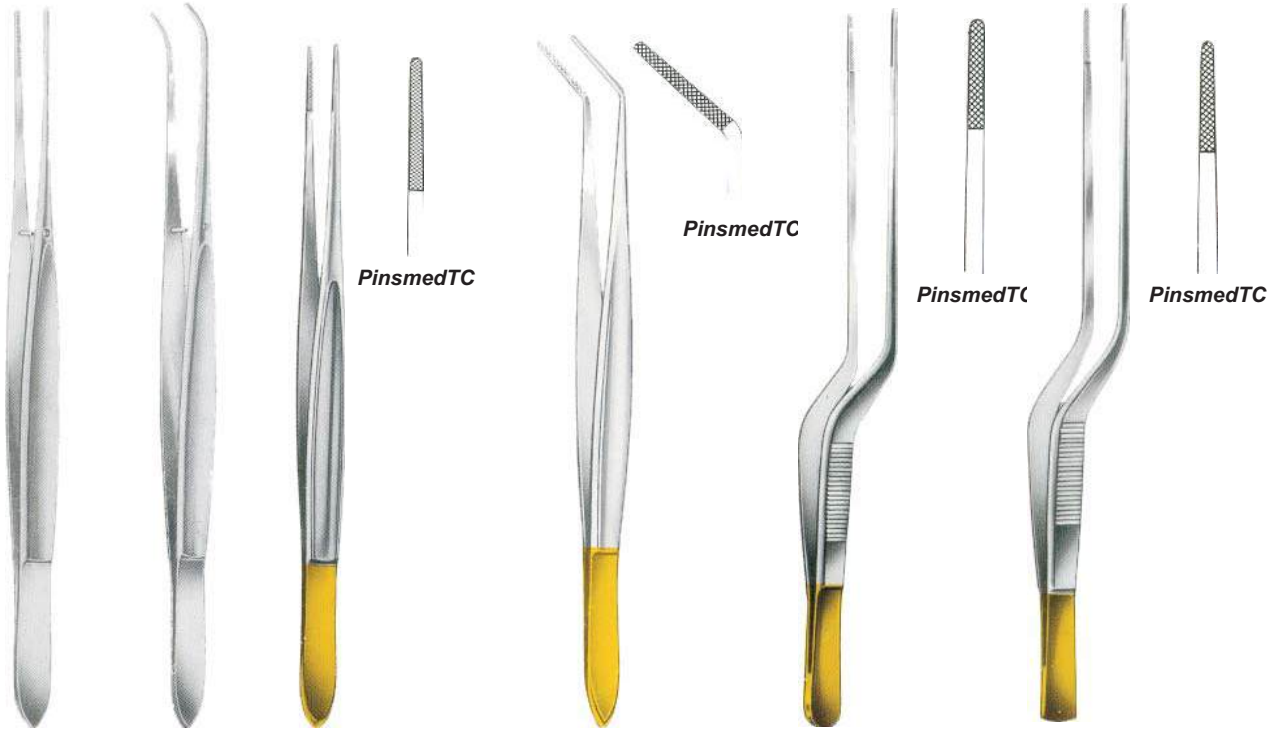
Micro Tubal Forceps



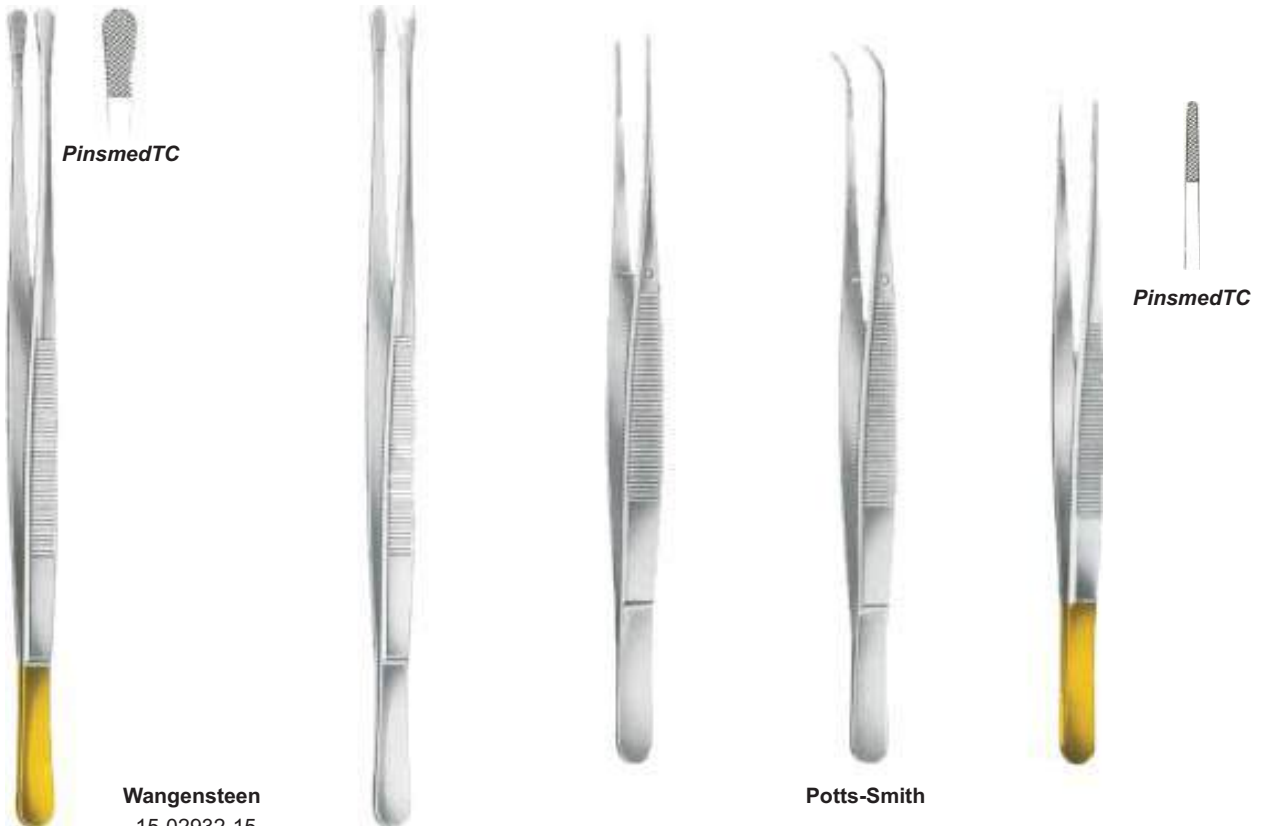
Austin
15-02906-14
14cm/5½"

Austin
15-02908-18
18cm/7"

Neubuser
15-02912-20
20cm/8"



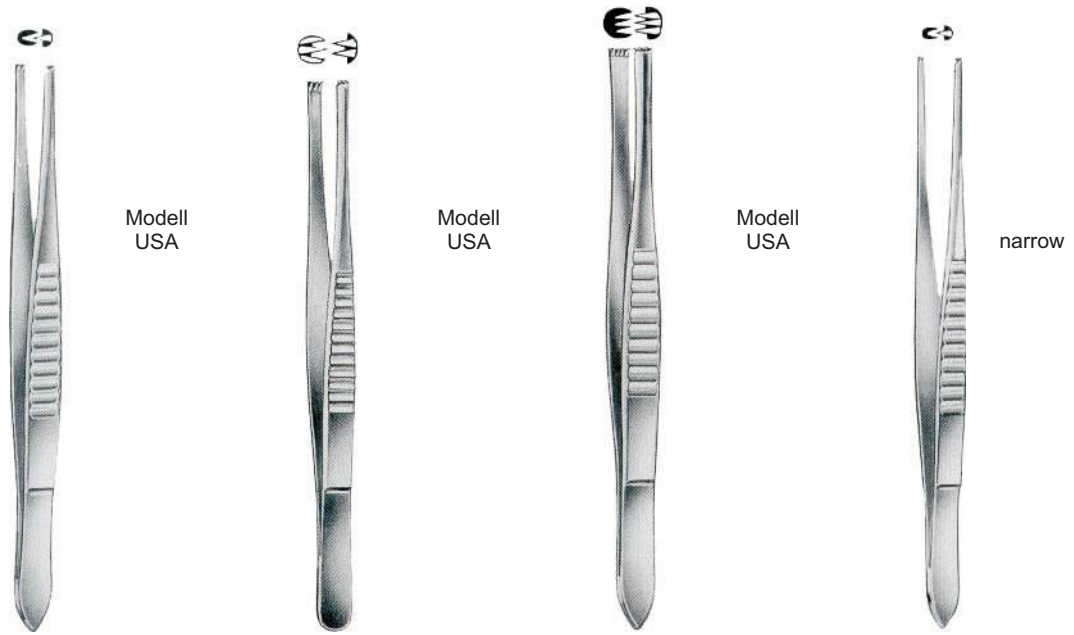
cm	in	Cushing	Cushing	Cushing	Cushing	Cushing-Taylor	Grunwald
18.0	7	15-02916-18	15-02917-18	15-02920-18	15-02923-18	15-02927-18	15-02929-18



cm	in	Wangensteen		Potts-Smith		
15.0	6"	15-02932-15				
18.0	7"		15-02936-18	15-02940-18	15-02944-18	15-02948-15
20.0	8"					15-02948-18
21.0	8¼"			15-02940-21	15-02944-21	15-02948-20
23.0	9"	15-02932-23	15-02936-23			15-02948-23
25.0	10"	15-02932-25		15-02940-25	15-02944-25	15-02948-25



cm	in	Standard 1:2	Oehler 1:2	Standard 2:3	Standard 3:4	Standard 4:5	Standard 1:2
10.5	4¼"	15-02952-10					
11.5	4½"	15-02952-11					
13.0	5"	15-02952-13		15-02960-13	15-02964-13	15-02968-13	15-02972-13
14.5	5¾"	15-02952-14	15-02956-14	15-02960-14	15-02964-14	15-02968-14	15-02972-14
15.0	6"	15-02952-15					
16.0	6¼"	15-02952-16	15-02956-16	15-02960-16	15-02964-16	15-02968-16	15-02972-16
18.0	7"	15-02952-18	15-02956-18	15-02960-18			15-02972-18
20.0	8"	15-02952-20	15-02956-20	15-02960-20			15-02972-20
25.0	10"	15-02952-25	15-02956-25	15-02960-25			15-02972-25
30.0	12"	15-02952-30	15-02956-30	15-02960-30			

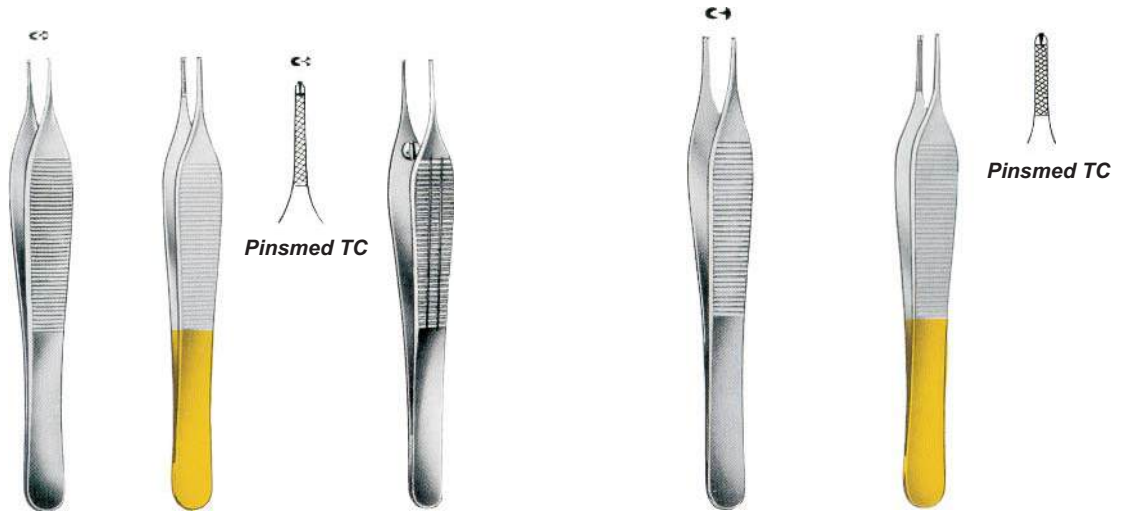


Standard

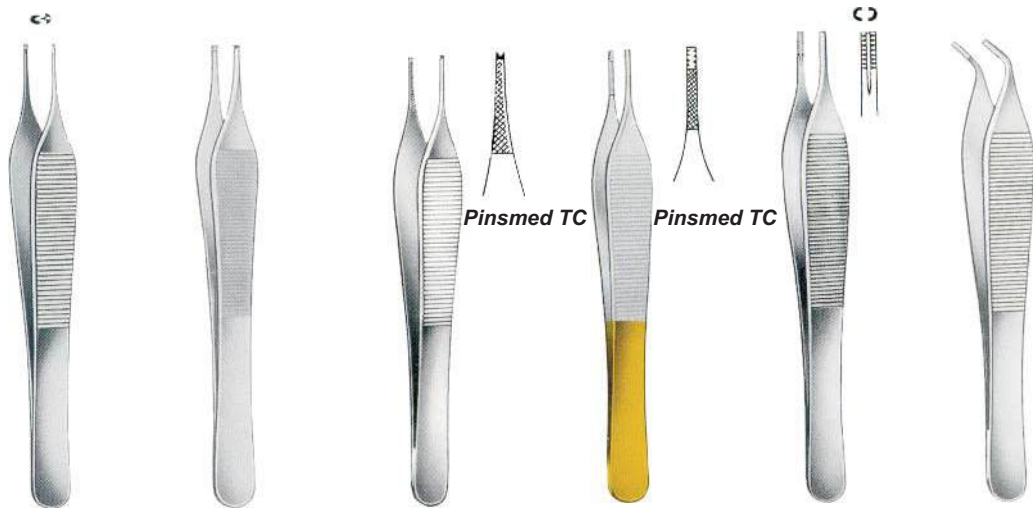
cm	in	1:2	2:3	3:4	1:2
12.0	4 ³ / ₄ "	15-02976-12	15-02980-12		
13.0	5"	15-02976-13	15-02980-13		15-02988-13
14.5	5 ³ / ₄ "	15-02976-14	15-02980-14	15-02984-14	15-02988-14
15.5	6"	15-02976-15			15-02988-15
18.5	7 ¹ / ₄ "	15-02976-18	15-02980-18		
21.0	8 ¹ / ₄ "	15-02976-21	15-02980-21		
25.0	10"	15-02976-25	15-02980-25		
31.0	12 ¹ / ₄ "	15-02976-31	15-02980-31		



cm	in	Lerche	Stone	Treves
13.0	5"			15-03000-13
15.0	6"	15-02992-15	15-02996-15	15-03000-15



		Micro-Adson			Ewald	Standard-Adson
cm	in					
12.0	4¾"	15-03004-12	15-03008-12	15-03012-12	15-03016-12	15-03020-12
15.5	6"	15-03004-15	15-03008-15	15-03012-15		15-03020-15



		Adson			Adson-Brown		
cm	in						
12.0	4¾"	15-03024-12	15-03028-12	15-03032-12	15-03036-12	15-03040-12	15-03041-12
15.0	6"	15-03024-15	15-03028-15				



Gillies
15-03046-15 15 cm/6"



Gillies
15-03050-15 15 cm/6"



Pinsmed TC



Brown
15-03054-15 15 cm/6"
15-03054-20 20 cm/8"
15-03054-25 25 cm/10"



Semken
15-03058-12 12 cm/4¾" 15-03062-12
15-03058-15 15 cm/6" 15-03062-15



Adlerkreutz
15-03066-15 15 cm/6"
15-03066-20 20 cm/8"
15-03066-25 25 cm/10"



Adlerkreutz
15-03070-15 15 cm/6"
15-03070-20 20 cm/8"
15-03070-25 25 cm/10"



Taylor
15-03074-17 17.5 cm/7"



Taylor
15-03075-17 17.5 cm/7"



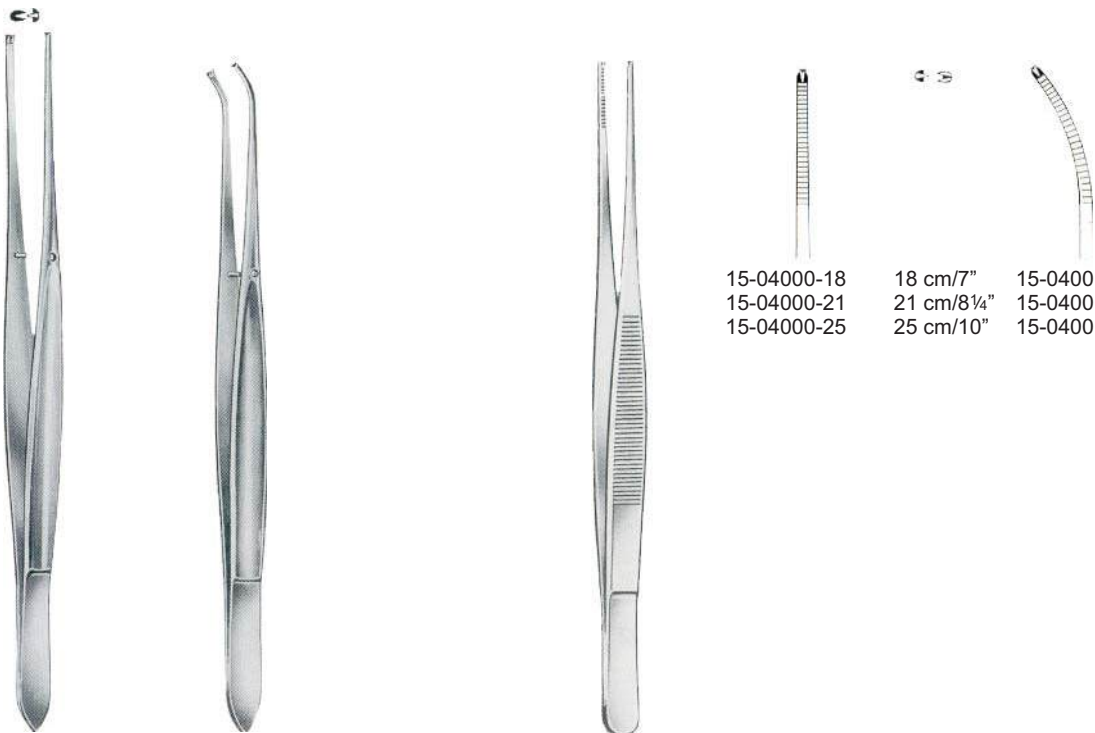
Taylor
15-03078-17 17.5 cm/7"



Taylor
15-03079-17 17.5 cm/7"



cm	in	Waugh	Brophy	Brophy	Gerald	Gerald
15	6"	15-03082-15				
18	7"	15-03082-18			15-03092-18	15-03093-18
20	8"	15-03082-20	15-03086-20	15-03087-20		



Cushing
15-03096-18
17.5 cm/7"

Cushing
15-03097-18
17.5 cm/7"

Potts-Smith

15-04000-18
15-04000-21
15-04000-25

18 cm/7"
21 cm/8¼"
25 cm/10"

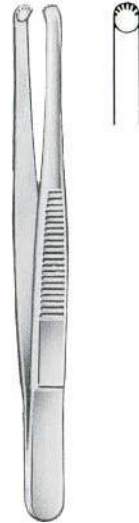
15-04001-18
15-04001-21
15-04001-25



Duval
15-04004-14 14.5 cm/5¾"



Collin-Duval
15-04008-20 20 cm/8"



Durante
15-04012-14 14.5 cm/5¾"
15-04012-16 16.0 cm/6¼"
15-04012-20 20.0 cm/8"



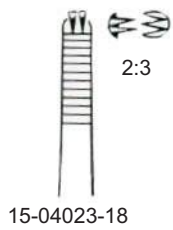
Russ. Modell
15-04016-15 15 cm/6"
15-04016-20 20 cm/8"
15-04016-25 25 cm/10"



Mayo
15-04020-23 23 cm/9"



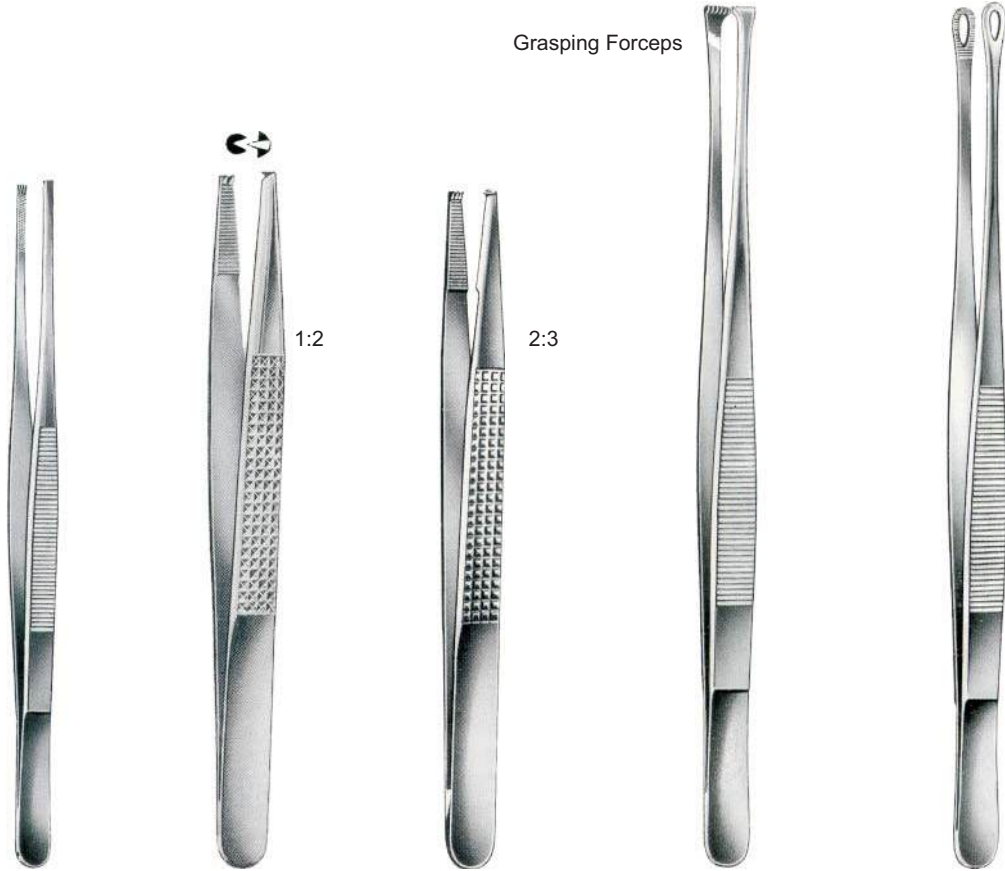
Ferris-Smith
18 cm/7"



Lane
15-04026-14 14.5 cm/5¾"
15-04026-20 20.0 cm/8"
15-04028-14
15-04028-20



Grasping Forceps



cm	in	Stille-Barraya	Bonney	Bonney	Nelson	Singley-Tuttle
15.0	6"				15-04042-15	
18.0	7"	15-04032-18	15-04036-18	15-04038-18	15-04042-18	15-04046-18
20.0	8"	15-04032-20			15-04042-23	
23.0	9"					15-04046-23
25.0	10"	15-04032-25				

Watchmaker's Forceps



No. 3
15-04050-03
11.5cm/4½"

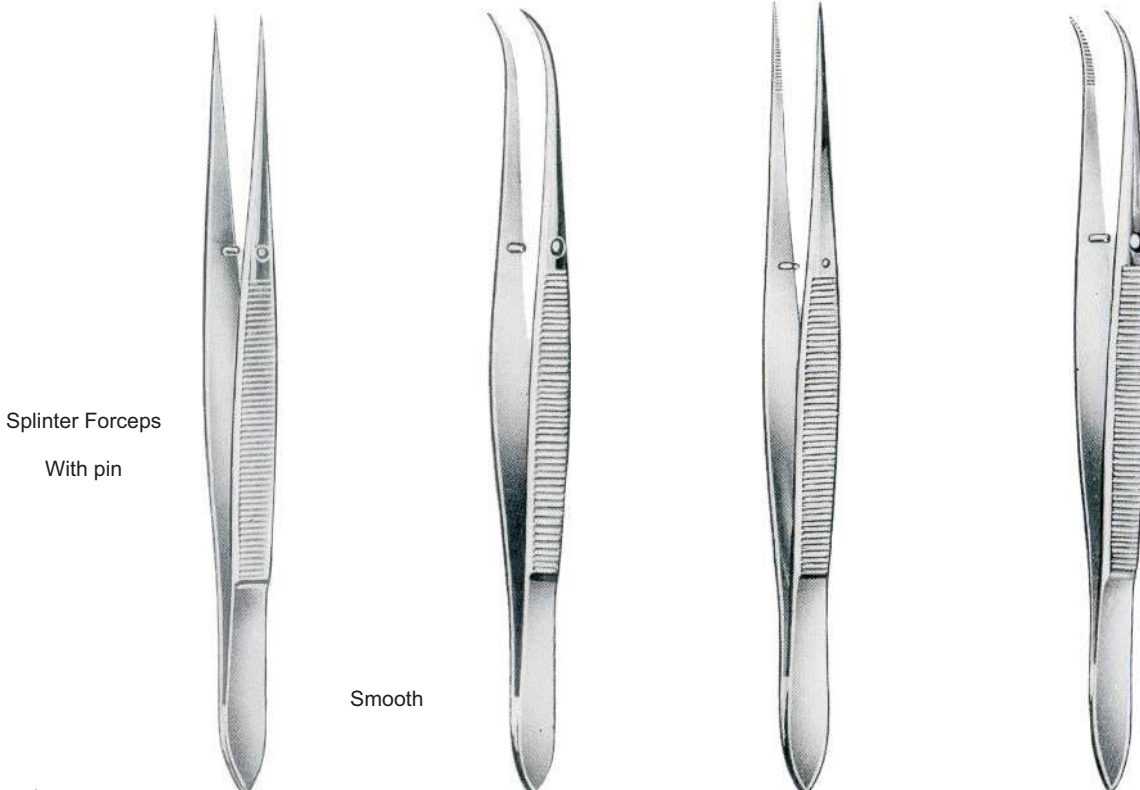
No. 4
15-04050-04
11.5cm/4½"

No. 5
15-04050-05
11.5cm/4½"

No. 7
15-04050-07
11.5cm/4½"



cm	in					
10.5	4 1/4"	15-04054-10	15-04055-10	15-04057-10	15-04060-10	15-04061-10
						15-04063-10



cm	in				
9.0	3 1/2"	15-04066-09	15-04067-09	15-04070-09	15-04071-09
10.5	4 1/4"	15-04066-10	15-04067-10	15-04070-10	15-04071-10
11.5	4 1/2"	15-04066-11	15-04067-11	15-04070-11	15-04071-11
12.5	5"	15-04066-12	15-04067-12	15-04070-12	15-04071-12



Feilchenfeld

15-04074-07 7.5cm/3"
15-04074-09 9.0cm/3½"
15-04074-11 11.5cm/4½"



Hunter

15-04078-10 10.5cm/4¼"



15-04079-10



Walter-Carmalt

15-04082-10 10.5cm/4¼" 15-04083-10



Peet
15-04087-11
11.5cm/4½"



Stieglitz
13.5cm/5¼"

Without Ratchet

15-04090-13



With Ratchet

15-04094-13



15-04091-13

15-04095-13



Ralk
15-04098-15
15cm/6"



Ralk
15-04099-15
15cm/6"

Ligature Forceps



Ochsner
15-04102-14
14.5cm/5¾"



Adson
15-04106-12
12cm/4¾"



Adson
15-04108-12
12cm/4¾"

Cilia Forceps



Beaupre
15-04111-12
12cm/4¾"



Henry
15-04115-12
12cm/4¾"



Gradle
15-04118-09
9.5cm/3¾"



Barraquer
15-04121-10
10.5cm/4¼"



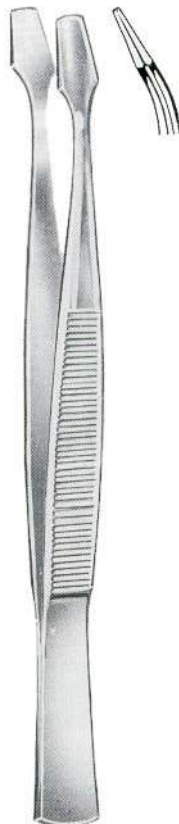
Bennett
15-04124-07
7cm/2¾"



cm	in	Beer	Douglas	Ziegler	
8.0	3¼"	15-04128-08			
9.0	3½"	15-04128-09	15-04132-09	15-04136-09	15-04140-09



Kuehne
15-04144-10
10.5cm/4¼"



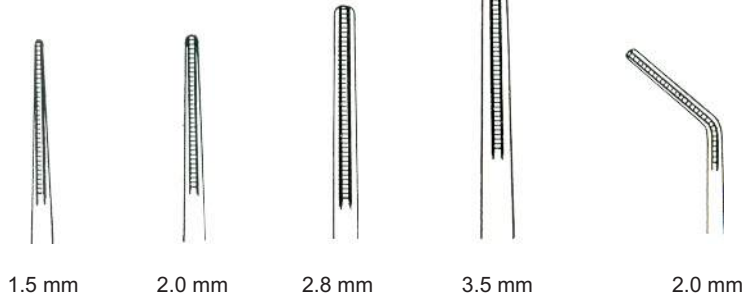
Kuehne
15-04145-10
10.5cm/4¼"



15-04148-10
10.5cm/4¼"



Atrauma



cm	in	1.5 mm	2.0 mm	2.8 mm	3.5 mm	2.0 mm
16.0	6¼"	15-04154-16	15-04156-16	15-04158-16	15-04160-16	15-04161-16
20.0	8"	15-04154-20	15-04156-20	15-04158-20	15-04160-20	15-04161-20
24.0	9½"	15-04154-24	15-04156-24	15-04158-24	15-04160-24	15-04161-24
30.0	12"	15-04154-30	15-04156-30	15-04158-30	15-04160-30	15-04161-30

Adson

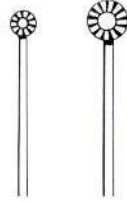
15-04164-12	12cm/4¾"
15-04164-15	15cm/6"



cm	in	Troeltsch (Wilde)	Troeltsch	Lucae	Lucae	Jansen (Gruenwald)	Jansen
11.5	4½"	15-04167-11					
12.0	4¾"	15-04167-12	15-04171-12	15-04175-14	15-04177-14		
14.0	5½"						
15.0	6"	15-04167-15					
16.0	6¼"					15-04181-16	15-04183-16
18.0	7"	15-04167-18				15-04181-18	15-04183-18
20.0	8"					15-04181-20	15-04183-20



Jaw spoon, Shaped
3 mm 15-04187-03
5 mm 15-04187-05



Jaw falt, Serrated
3 mm 15-04189-03
5 mm 15-04189-05



Curette Jaw, Toothed
3 mm 15-04191-03
5 mm 15-04191-05

Yasargil
22cm/8½"



1 x 0.5 mm Ø



1 x 0.5 mm Ø
15-04194-16



2 x 1 mm Ø



2 x 1 mm Ø

15cm/6"
18cm/7"
22cm/8¾"

15-04194-22

15-04196-22

15-04198-18
15-04198-22

15-04200-18
15-04200-22



Yasargil

22cm/8¾"
24cm/9½"

Ø 3 mm
15-04203-22
15-04203-24

Ø 5 mm
15-04205-22
15-04205-24

Ø 7 mm
15-04207-24

22cm/8¾"

Ø 3 mm
15-04209-22

Ø 3 mm
15-04211-22

Ø 5 mm
15-04213-22

Ø 5 mm
15-04215-22
22cm/8¾"



Yasargil

16cm/6 ¼"
18cm/7"
20cm/8"
22cm/8¾"
24cm/9½"



0.6 mm
15-04219-16
15-04219-18
15-04219-20
15-04219-22
15-04219-24



0.9 mm
15-04221-16
15-04221-18
15-04221-20
15-04221-22
15-04221-24



15-04223-18
18cm/7"



Dieffenbach
16-04226-03
3.5cm/1 1/2"
16-04226-05
5cm/2"



Dieffenbach
16-04227-03
3.5cm/1 1/2"
16-04227-05
5cm/2"

Straight

For Bulldog Clamps

- 16-04234-01 38mm/1 1/2"
- 16-04234-02 51mm/2"
- 16-04234-03 57mm/2 1/4"
- 16-04234-04 63mm/2 1/2"
- 16-04234-05 70mm/2 3/4"
- 16-04234-06 75mm/3"
- 16-04234-07 90mm/3 1/2"



Johns-Hopkins



Johns-Hopkins
16-04237-24
24.5cm/9 3/4"

Curved

- 16-04235-01 38mm/1 1/2"
- 16-04235-02 51mm/2"
- 16-04235-03 57mm/2 1/4"
- 16-04235-04 63mm/2 1/2"
- 16-04235-05 70mm/2 3/4"
- 16-04235-06 75mm/3"
- 16-04235-07 90mm/3 1/2"



Dieffenbach
16-04230-06
6cm/2 1/2"



Dieffenbach
16-04231-06
6cm/2 1/2"

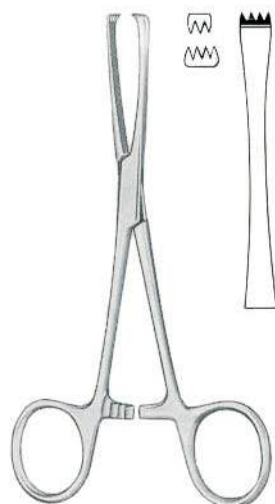
Haemorrhoidal Clamps



Carrel
16-04240-10
10cm/4"



Chaput
16-04242-13
13cm/5"



Tuffier
16-04246-13
13cm/5"



Pratt
16-04250-15
15cm/6"



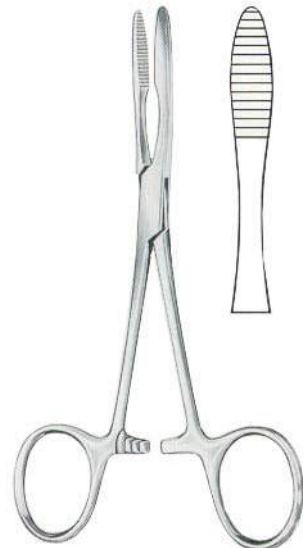
Terrier
16-04254-10 10 cm/4"



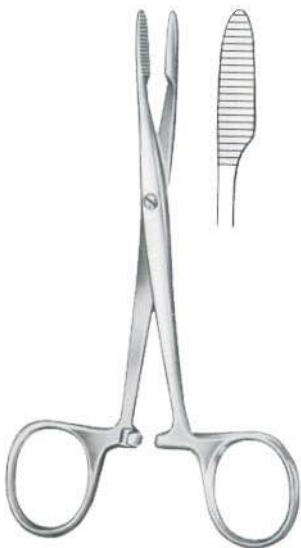
Pennington
16-04258-15 15 cm/6"
16-04558-20 20 cm/8"



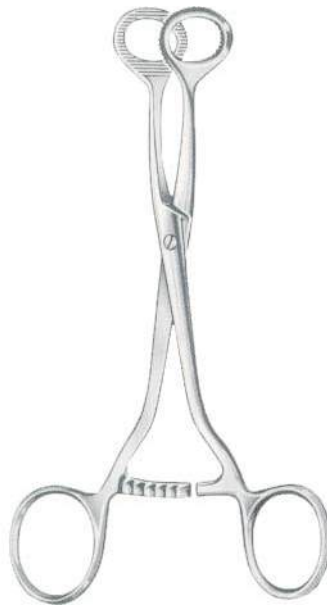
Peau
16-04262-12 12.5 cm/5"



Peau
16-04266-14 14 cm/5³/₄"
16-04566-16 16 cm/6¹/₄"



Peau
16-04270-14 14 cm/5¹/₂"



Collin
16-04274-15 15.5 cm/6"



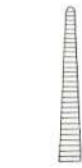
Collin
16-04278-14 14 cm/5¹/₂"



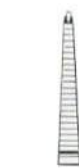
Collin
16-04282-16 16.5 cm/6¹/₂"



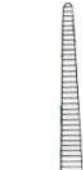
Hartmann
10 cm/4"



16-04286-10



16-04290-10



16-04294-12
16-04294-14



16-04295-12
16-04295-14



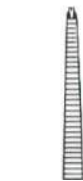
16-04287-10



16-04291-10



Halstead-Mosquito
12 cm/4¾"
14 cm/5½"



16-04298-12
16-04298-14



16-04299-12
16-04299-14



Micro-Mosquito
10 cm/4"
12 cm/4¾"



16-04302-10
16-04302-12



16-04303-10
16-04303-12



16-04306-10
16-04306-12



16-04307-10
16-04307-12



Jacobson-Halstead
13 cm/5"

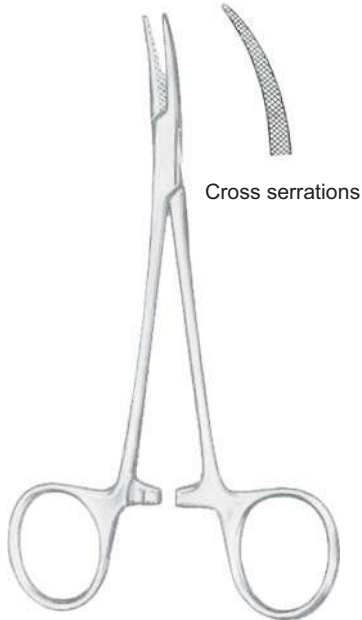


16-04310-13



16-04311-13

Very fine



Cross serrations

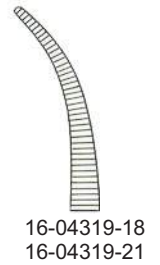
16-04315-12
12 cm/4¾"



Halstead-Mosquito
18 cm/7"
21 cm/8¼"



16-04318-18
16-04318-21



16-04319-18
16-04319-21



16-04322-18
16-04322-21

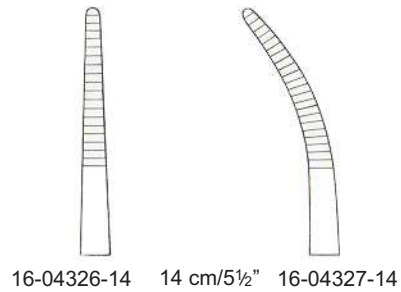


16-04323-18
16-04323-21

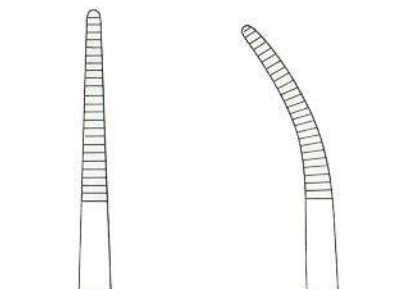


Kelly
14 cm/5½"

Kelly-Rankin
16 cm/6¼"



16-04326-14 14 cm/5½" 16-04327-14

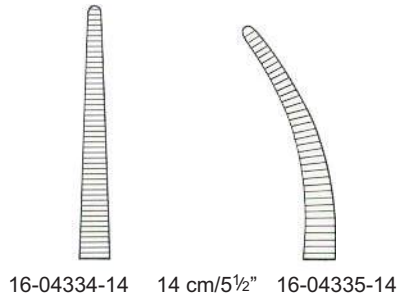


16-04330-16 16 cm/6¼" 16-04331-16

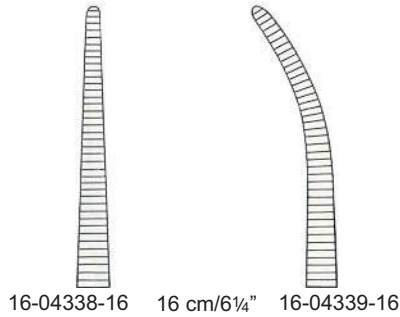


Crile
14 cm/5½"

Crile-Rankin
16 cm/6¼"



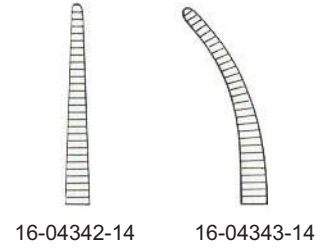
16-04334-14 14 cm/5½" 16-04335-14



16-04338-16 16 cm/6¼" 16-04339-16



Baby-Crile
14 cm/5½"

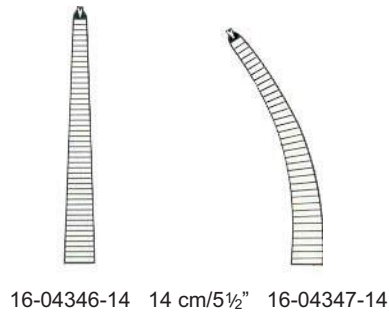


16-04342-14 16-04343-14

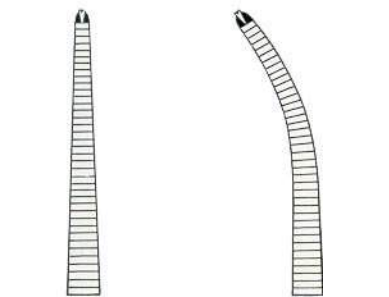


Crile
14 cm/5½"

Crile-Rankin
16 cm/6¼"



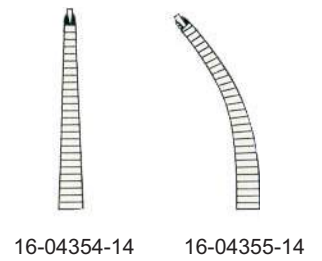
16-04346-14 14 cm/5½" 16-04347-14



16-04350-16 16 cm/6¼" 16-04351-16



Baby-Crile
14 cm/5½"



16-04354-14 16-04355-14



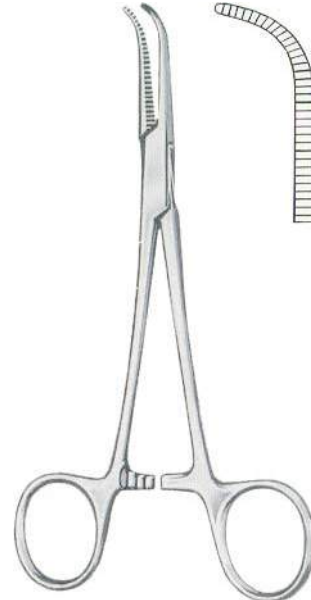
Coller-Crile



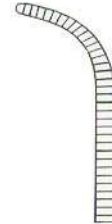
16-04358-14 14 cm/5½"



16-04362-16 16 cm/6¼"



Coller-Crile
16-04367-16
16 cm/6¼"



Leriche
15 cm/6"



16-04370-15



16-04371-15



16-04374-15



16-04375-15



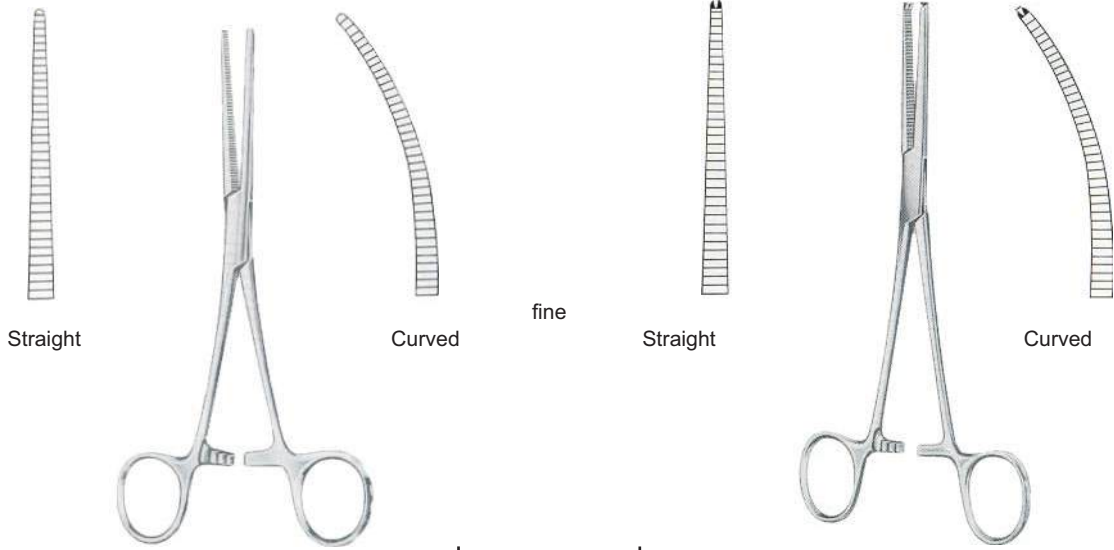
Providence
14 cm/5½"



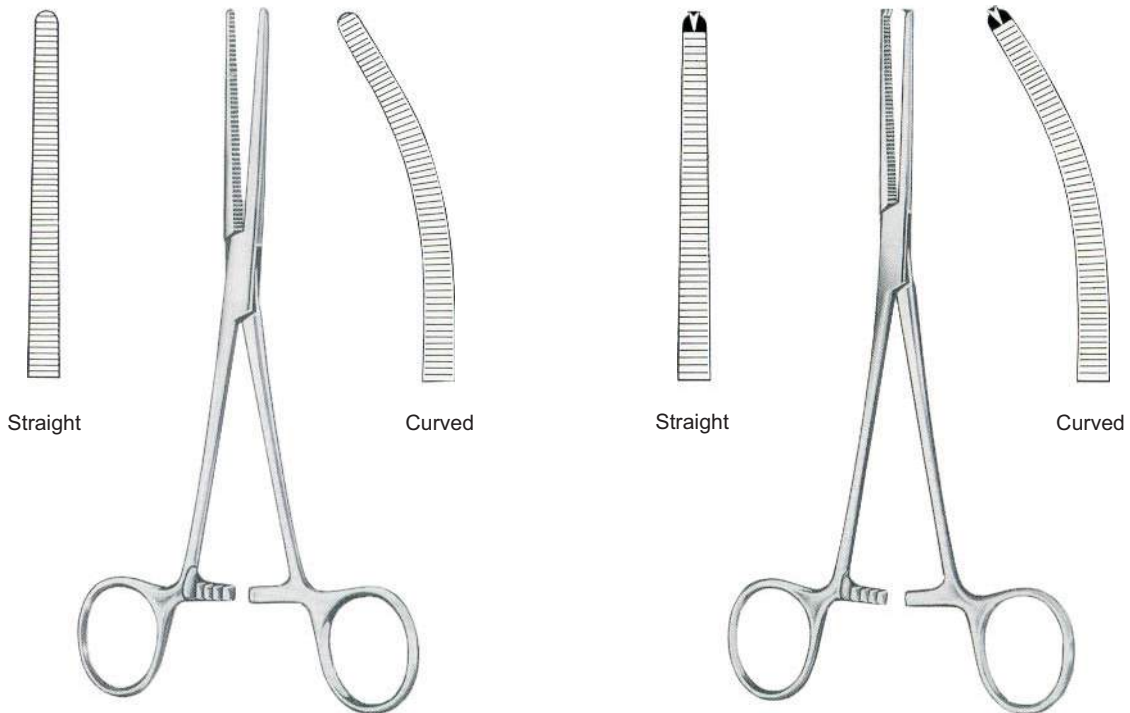
16-04378-14



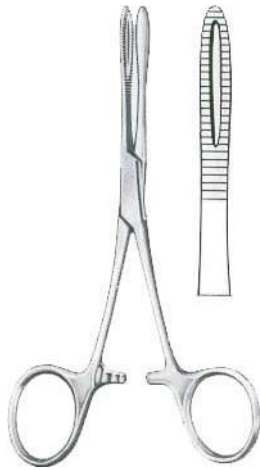
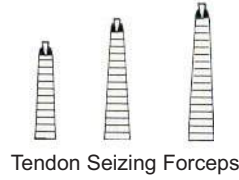
16-04379-14



Rochester-Pean		cm	in	Ochsner-Kocher	
16-04382-13	16-04383-13	13.0	5"	16-04386-13	16-04387-13
16-04382-14	16-04383-14	14.0	5½"	16-04386-14	16-04387-14
16-04382-16	16-04383-16	16.0	6¼"	16-04386-16	16-04387-16



Rochester-Pean		cm	in	Ochsner-Kocher	
16-04390-13	16-04391-13	13.0	5"	16-04394-13	16-04395-13
16-04390-14	16-04391-14	14.0	5½"	16-04394-14	16-04395-14
16-04390-16	16-04391-16	16.0	6¼"	16-04394-16	16-04395-16
16-04390-18	16-04391-18	18.0	7"	16-04394-18	16-04395-18
16-04390-20	16-04391-20	20.0	8"	16-04394-20	16-04395-20
16-04390-22	16-04391-22	22.0	8¾"	16-04394-22	16-04395-22
16-04390-24	16-04391-24	24.0	9½"	16-04394-24	16-04395-24
16-04390-26	16-04391-26	26.0	10¼"	16-04394-26	16-04395-26
16-04390-30	16-04391-30	30.0	12"	16-04394-30	16-04395-30



Kronlein
16-04398-13
13cm/5"

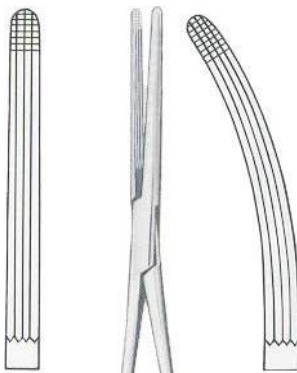


Brand
16-04402-15 15cm/6"
16-04402-19 19cm/7½"
16-04402-24 24cm/9½"



Brand
16-04403-15 15cm/6"
16-04403-19 19cm/7½"
16-04403-24 24cm/9½"

Lateral Curved



16-04406-16
16-04406-20

16-04407-16
16-04407-20



Rochester-Carmalt
16cm/6¼"
20cm/8"



16-04410-12

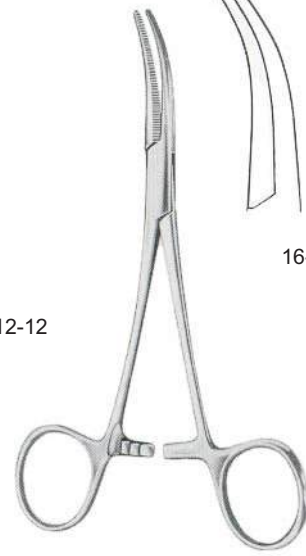


Mosquito-Dandy
12cm/4¾"



16-04412-12

16-04415-14



Dandy
14cm/5½"

16-04416-14



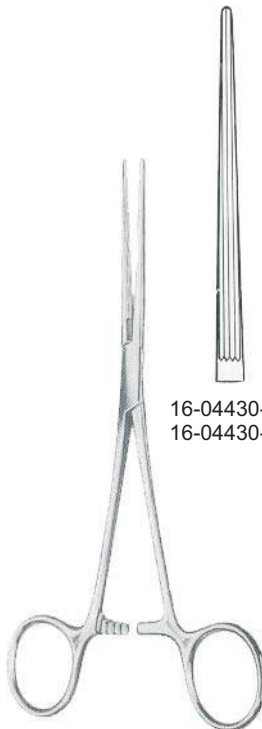
Lovlace
16-04420-15
15.5cm/6"



Dixon-Lovlace
16-04424-16
16cm/6¼"



Dixon-Lovlace
16-04426-16
16cm/6¼"



Bainbridge
15cm/6"
18cm/7"



16-04430-15
16-04430-18



16-04431-15
16-04431-18



Fuchsig
16-04435-19
19cm/7½"



Adson
18.5cm/7¼"



16-04438-18



16-04439-18



16-04442-18



16-04443-18



Nissen
16-04446-18 18.5cm/7¼"
16-04446-22 22.0cm/8¾"



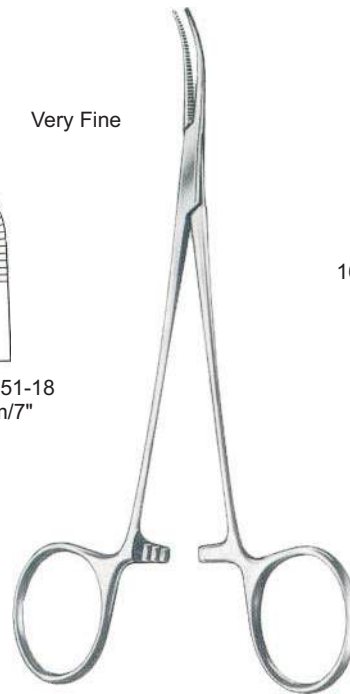
Baby-Adson



16-04449-14
14cm/5½"



16-04451-18
18cm/7"



Jacobson-Adson
18cm/7"

Very Fine



16-04454-18



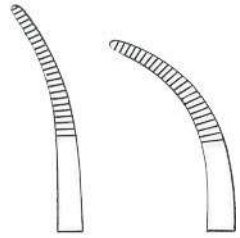
16-04455-18



16-04457-18



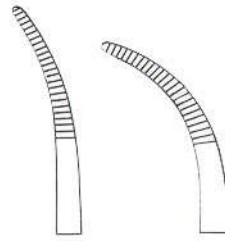
Schmidt
19cm/7½"



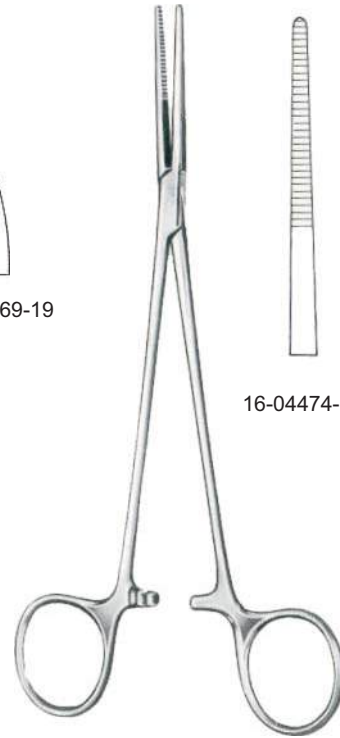
16-04461-19 16-04463-19



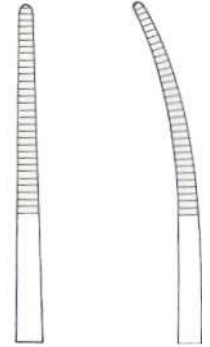
Schmidt
19cm/7½"



16-04467-19 16-04469-19



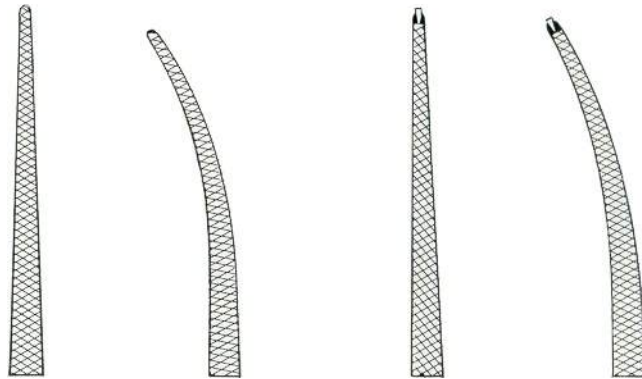
Birkett
19cm/7½"



16-04474-19 16-04475-19



Bengolea



20cm/8"	16-04478-20	16-04479-20	16-04482-20	16-04483-20
22cm/8¾"	16-04478-22	16-04479-22	16-04482-22	16-04483-22
24cm/9½"	16-04478-24	16-04479-24	16-04482-24	16-04483-24
26cm/10¼"	16-04478-26	16-04479-26	16-04482-26	16-04483-26



Bridge
27cm/10½"



16-04486-27



16-04487-27



Roberts
22cm/8¾"



16-04490-22



16-04491-22



Kelly



19cm/7½"
22cm/8¾"
24cm/9½"

16-04495-19
16-04495-22
16-04495-24



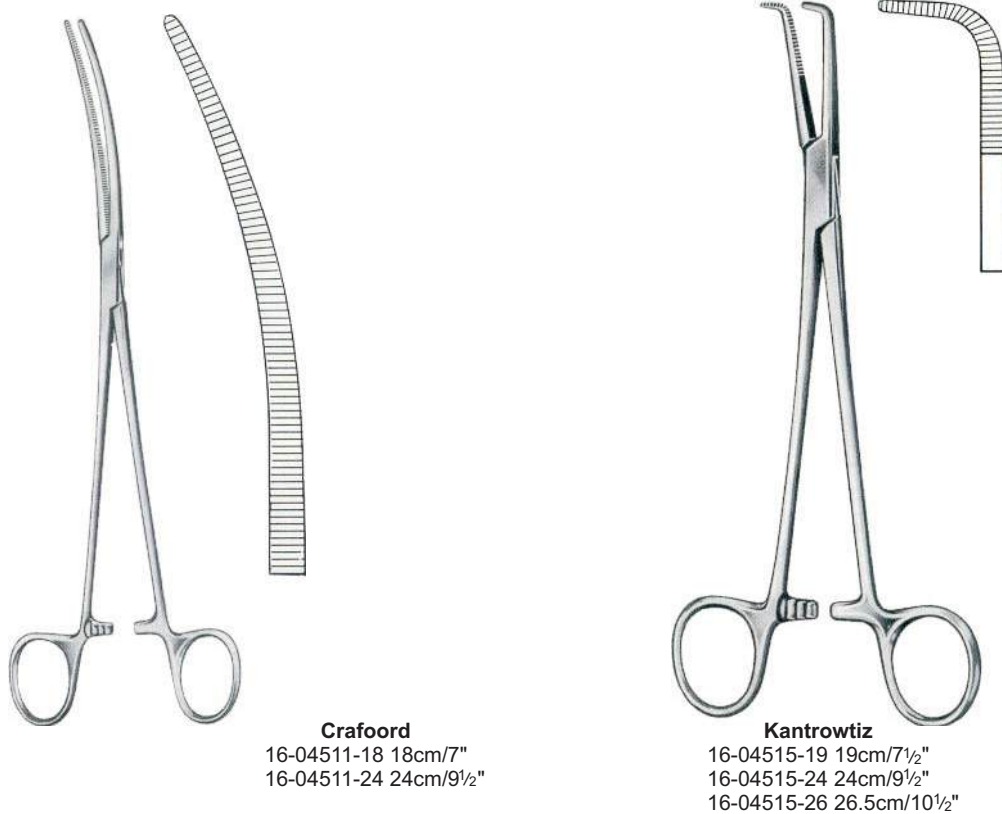
16-04497-19
16-04497-22
16-04497-24



16-04499-19
16-04499-22
16-04499-24



Crafoord-Sellors





Rumel
23cm/9"



16-04519-23



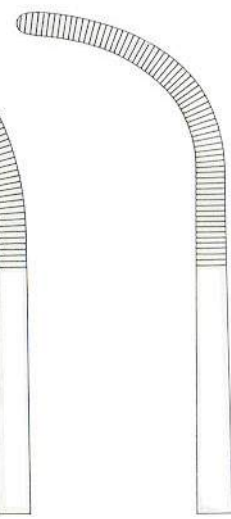
16-04521-23



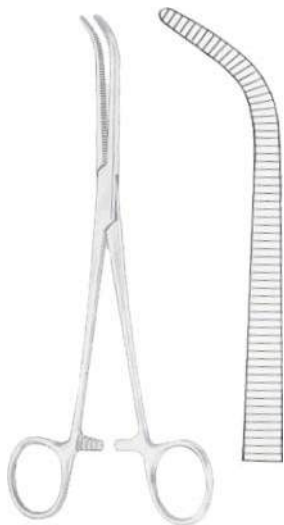
16-04523-23



16-04525-23



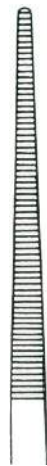
16-04527-23



Johns Hopkins
16-04531-20
20cm/8"



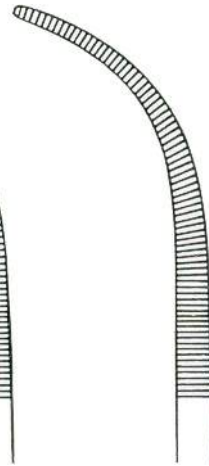
Zenker
29.5cm/11½"



16-04534-29



16-04535-29



16-04537-29



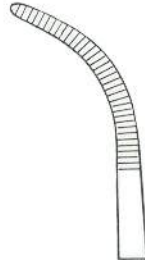
Baby-Overholt
16-04541-13
13.5cm/5¼"



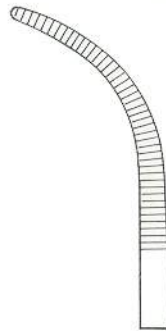
Overholt-Slim



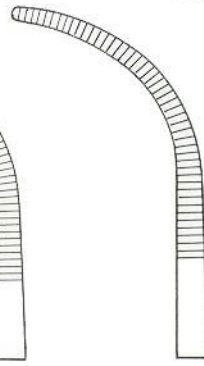
16-04545-18
18.5cm/7¼"



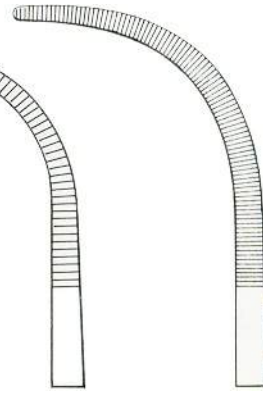
16-04547-20
20.5cm/8"



16-04549-21
21cm/8¼"



16-04551-21
21.5cm/8½"



16-04553-24
24cm/9½"



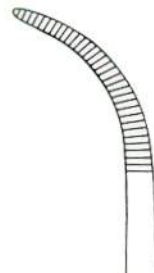
Overholt-Slim



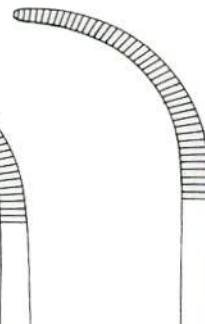
16-04557-18
18.5cm/7¼"



16-04559-20
20.5cm/8"



16-04561-21
21cm/8¼"

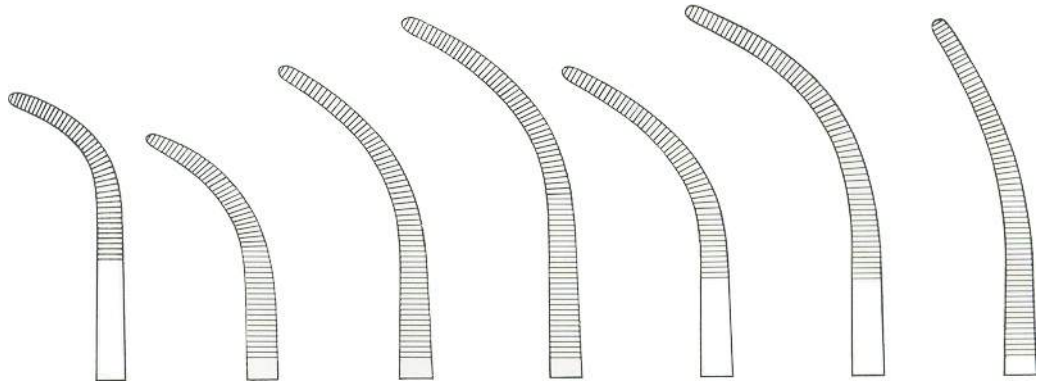


16-04563-21
21.5cm/8¼"





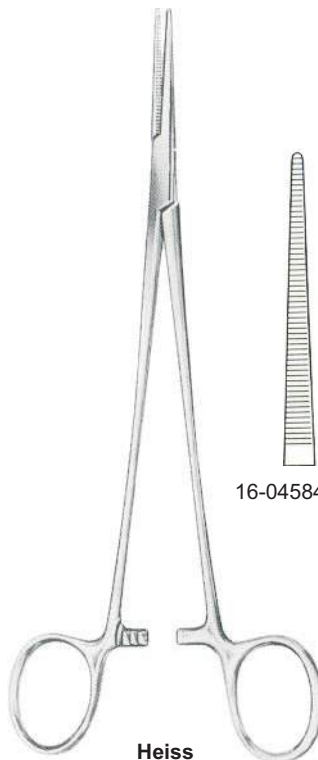
Overholt-Geissendorfer
21cm/8¼"
27cm/10½"



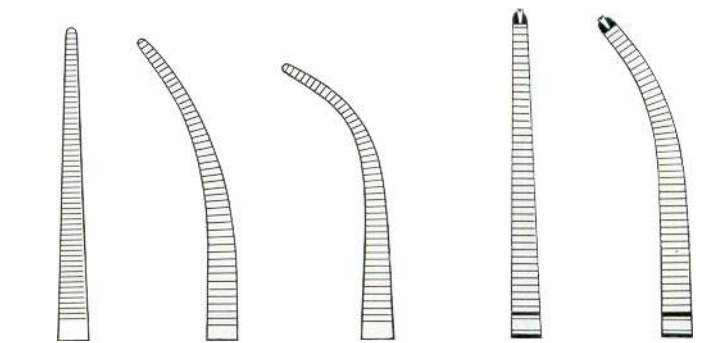
16-04567-21 16-04569-21 16-04571-21 16-04573-21 16-04575-21 16-04577-21 16-04579-21
16-04567-27 16-04569-27 16-04571-27 16-04573-27 16-04575-27 16-04577-27 16-04579-27



Overholt-Mixter
16-04581-21
21cm/8¼"



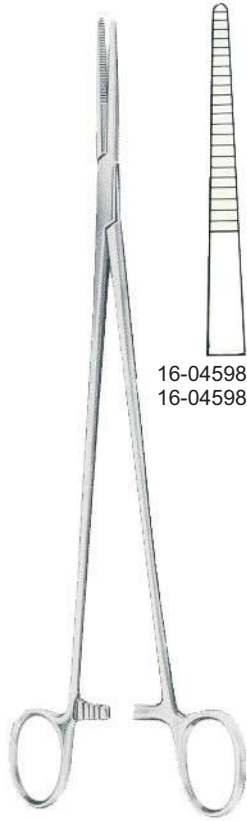
Heiss
20cm/8"



16-04584-20 16-04585-20 16-04587-20 16-04589-20 16-04591-20



Meeker
16-04595-27
27 cm/10½"



Toennis
21 cm/8¼"
26 cm/10¼"



16-04598-21
16-04598-27



16-04599-21
16-04599-27



16-04602-21
16-04602-27



16-04603-21
16-04603-27



Lower
16-04607-18
18 cm/7"



Gemini



16-04611-13
13 cm/5"



16-04611-18
18 cm/7"



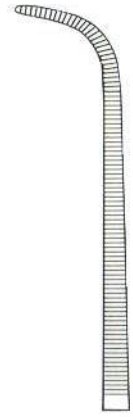
16-04611-20
20 cm/8"



16-04611-23
23 cm/9"



16-04611-25
25 cm/10"



16-04611-27
27 cm/10½"



Mini-Gemini

16-04615-18
18 cm/7"



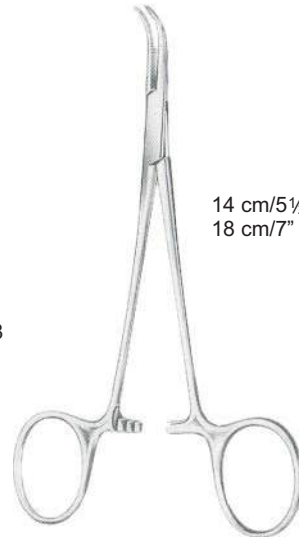
16-04615-22
22 cm/8¾"



16-04615-25
25 cm/10"



16-04615-28
28 cm/11"



Baby-Mixer

14 cm/5½"
18 cm/7"



16-04619-14
16-04619-18



16-04621-14
16-04621-18



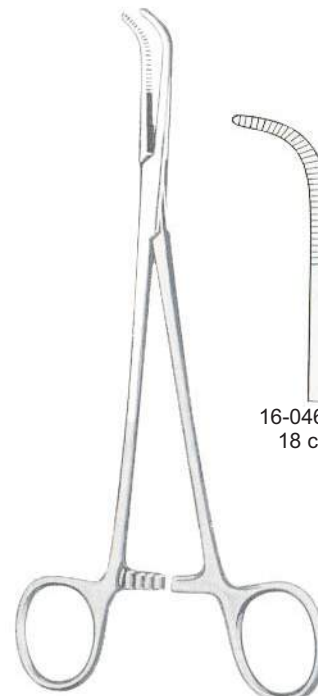
Mixer

16-04625-15 15 cm/6"
16-04625-19 19 cm/7½"



Mixer-O'Shaugnessy

16-04629-15 15.5 cm/6"
16-04629-19 19.0 cm/7½"



Mixer-Slim



16-04633-18
18 cm/7"

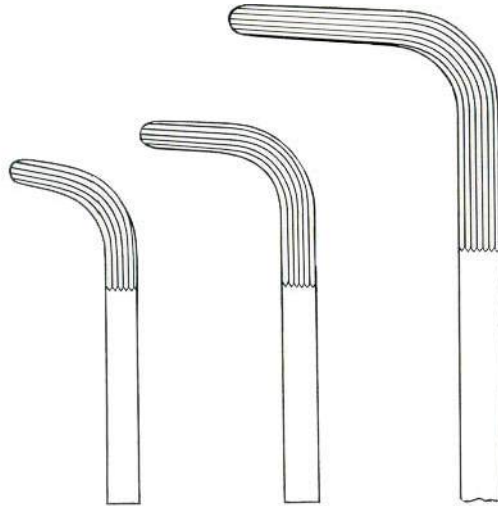


16-04633-23
23 cm/9"



16-04637-22
22 cm/8 3/4"

Mixer



16-04637-25
25 cm/10"

16-04637-28
28 cm/11"



Mixer
16-04641-22
22 cm/8 3/4"



Wickstroem
16-04645-20
20 cm/8"



Finocchietto
16-04649-24
24 cm/9 1/2"



Mc Quigg-Mixer
16-04653-22
22 cm/8 3/4"



Lawrence
16-04657-27
27.5 cm/10¾"



Lahey (Sweet)

16-04661-19
19 cm/7½"

16-04663-23
23 cm/9"



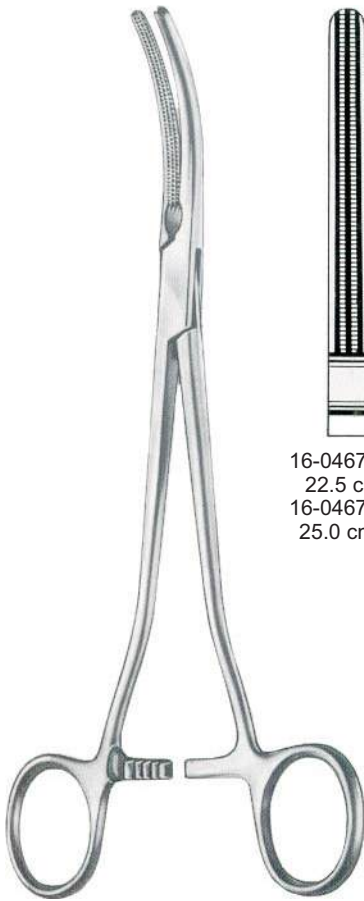
Spencer-Wells

16-04664-13	13 cm/5"	16-04665-13
16-04664-15	15 cm/6"	16-04665-15
16-04664-18	18 cm/7"	16-04665-18
16-04664-20	20 cm/8"	16-04665-20
16-04664-23	23 cm/9"	16-04665-23



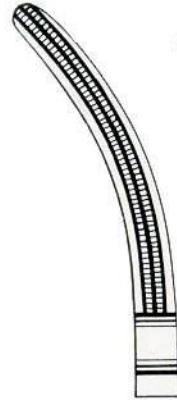
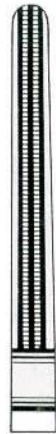
Spencer-Wells

16-04668-13	13 cm/5"	16-04669-13
16-04668-14	14 cm/5½"	16-04669-14
16-04668-15	15 cm/6"	16-04669-15
16-04668-18	18 cm/7"	16-04669-18
16-04668-20	20 cm/8"	16-04669-20
16-04668-23	23 cm/9"	16-04669-23

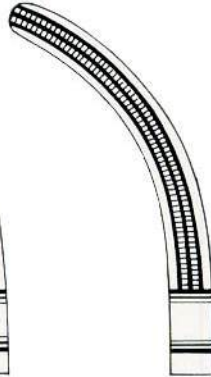


Rogers

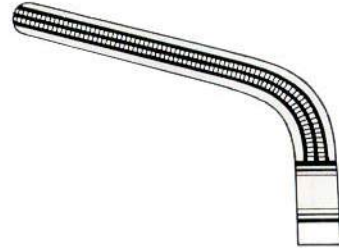
16-04672-22
22.5 cm/9"
16-04672-25
25.0 cm/10"



16-04673-22
22.0 cm/8 3/4"
16-04673-24
24.5 cm/9 3/4"



16-04675-21
21.5 cm/8 1/2"
16-04675-24
24.0 cm/9 1/2"



16-04679-20
20.5 cm/8"
16-04679-23
23.5 cm/9"



Heaney

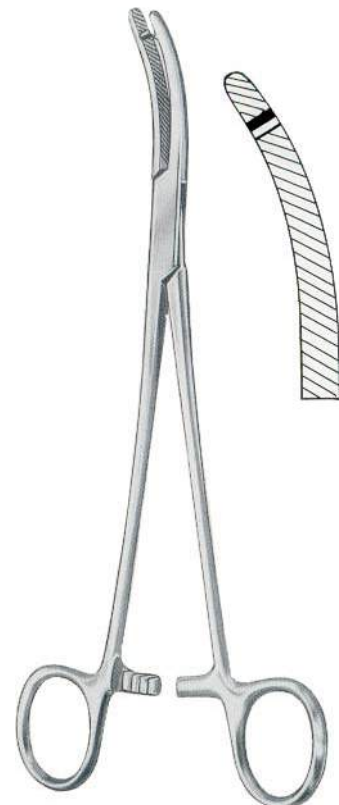
19.5 cm/7 1/2"
21.5 cm/8 1/4"
23.5 cm/9"



16-04683-19
16-04683-21
16-04683-23



16-04685-19
16-04685-21
16-04685-23



Heaney-Slim
16-04687-21
21 cm/8 1/4"



Ballentine
16-04690-21
21cm/8¼"



Heaney-Ballentine
16-04691-21
21cm/8¼"



Tonsil Forceps

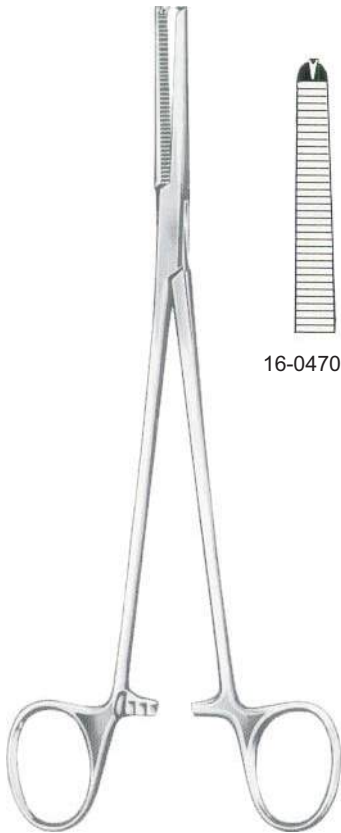


Fig. 1



Fig. 2

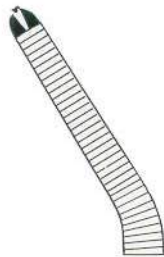
Negus
16-04695-19 19cm/7½" 16-04697-19



Phaneuf
21.5cm/8½"



16-04700-21

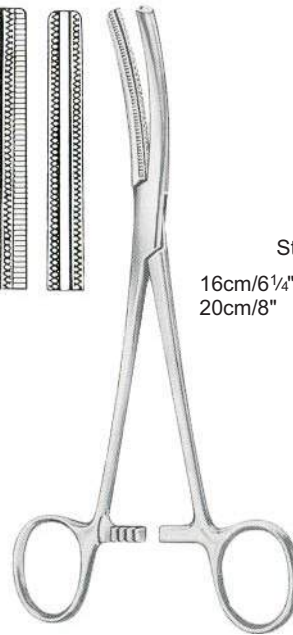


16-04701-21

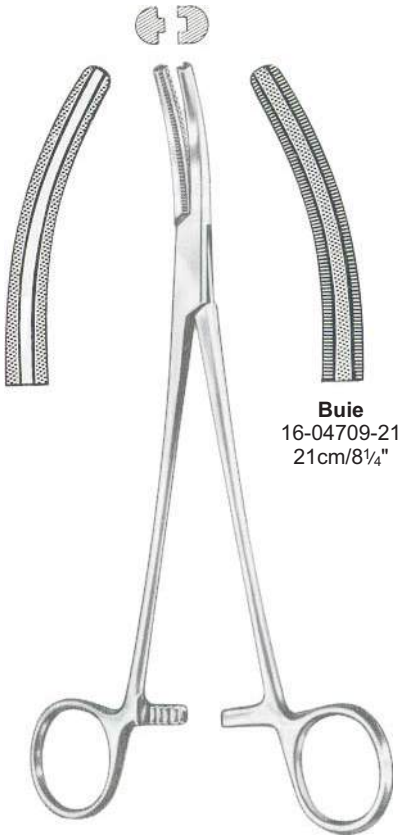


Haemorrhoidal Clamps

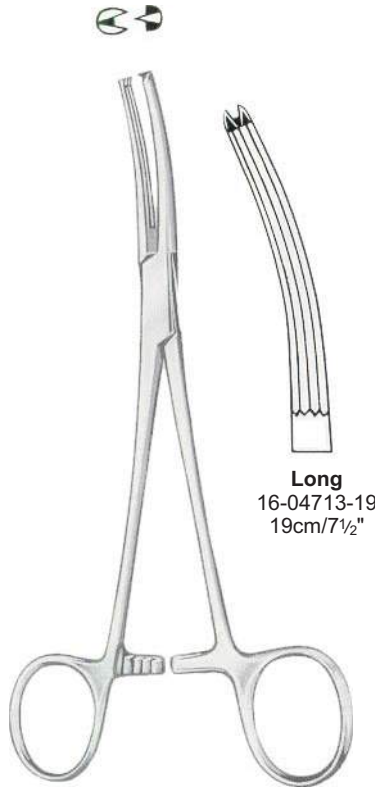
	Straight		Curved
16cm/6¼"	16-04704-16	16-04705-16	
20cm/8"	16-04704-20	16-04705-20	



Fergusson



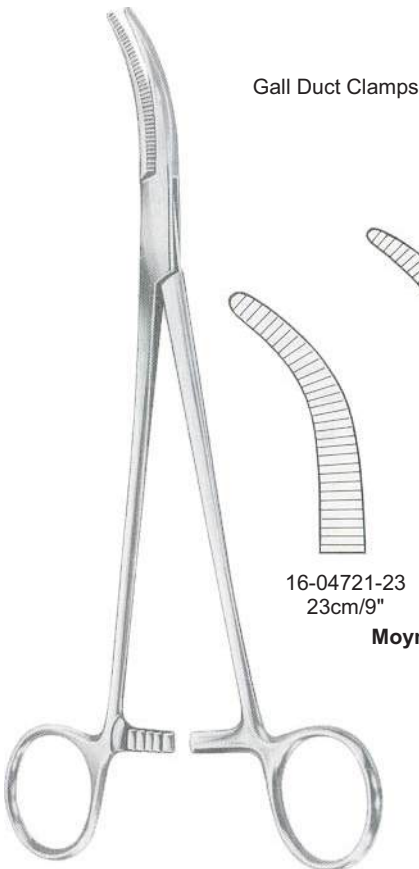
Buie
16-04709-21
21cm/8¼"



Long
16-04713-19
19cm/7½"



Garland
16-04717-21
21cm/8¼"



Gall Duct Clamps

16-04721-23 23cm/9"
16-04723-24 24cm/9½"

Moynihan



Hysterectomy Forceps

16-04726-23 16-04727-23

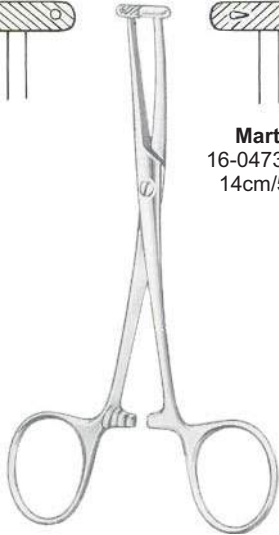
Hozlbach
23.5cm/9¼"



Pressure Clamps

Zweifel
16-04730-17
17.5cm/7"

Scalp Flap Forceps



Martel
16-04733-14
14cm/5½"



Wertheim
16-04736-25
25cm/10"

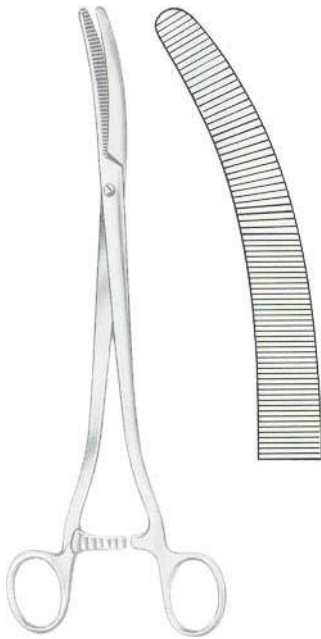
Extra Strong



Wertheim-Cullen
16-04739-21
21.5cm/8½"



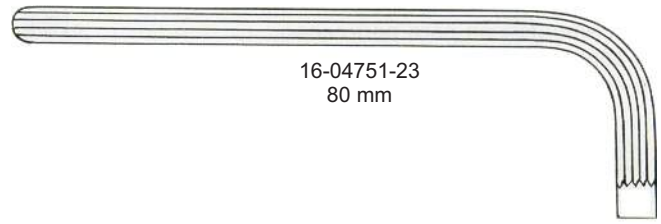
Wertheim
16-04743-24
24cm/9½"



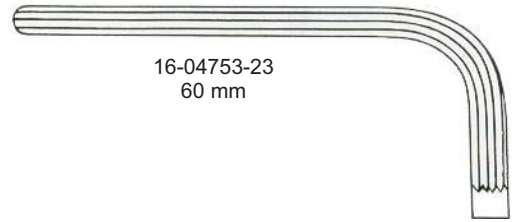
Faure
16-04747-25
25cm/10"



23cm/9"



16-04751-23
80 mm



16-04753-23
60 mm



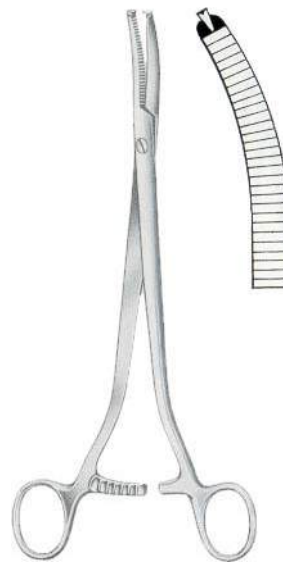
Wertheim
22cm/8¾"



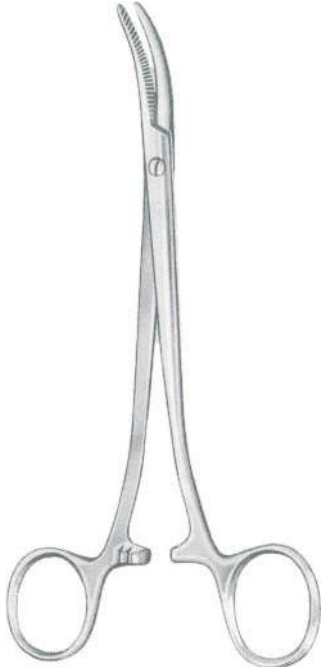
Slightly Curved
16-04755-22



More Curved
16-04757-22



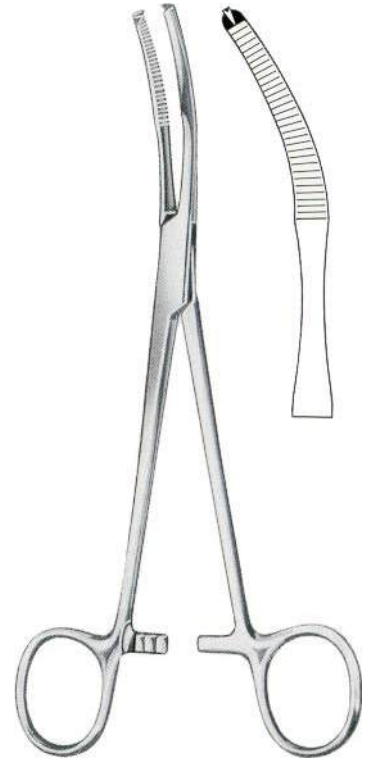
Wertheim
16-04761-22
22cm/8¾"



Wertheim
16-04765-18
18 cm/7"



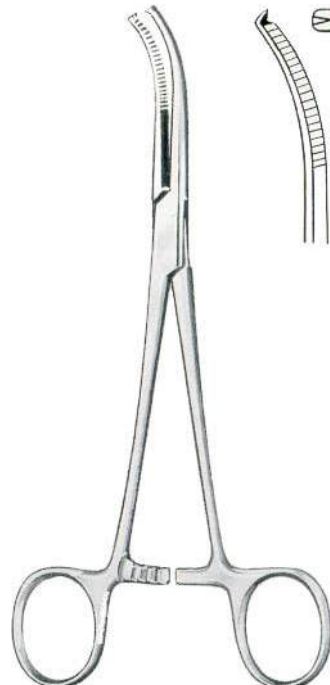
Baby-Mikulicz
16-04769-14
14 cm/5½"



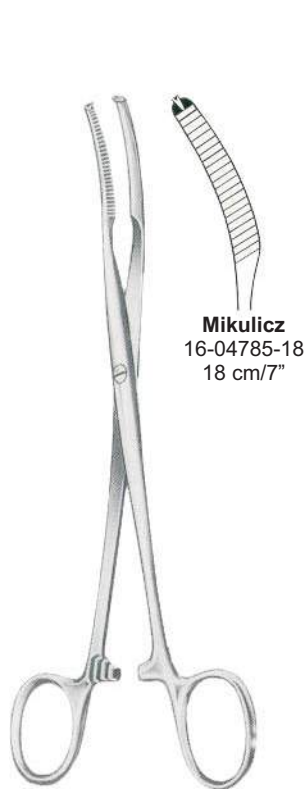
Mikulicz
16-04773-18 18cm/7"
16-04773-20 20cm/8"



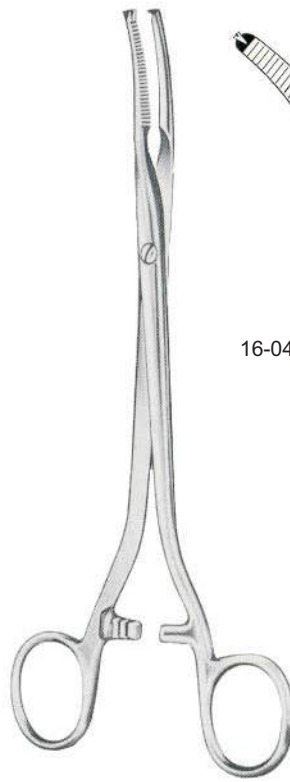
Mikulicz
16-04777-20
20 cm/8"



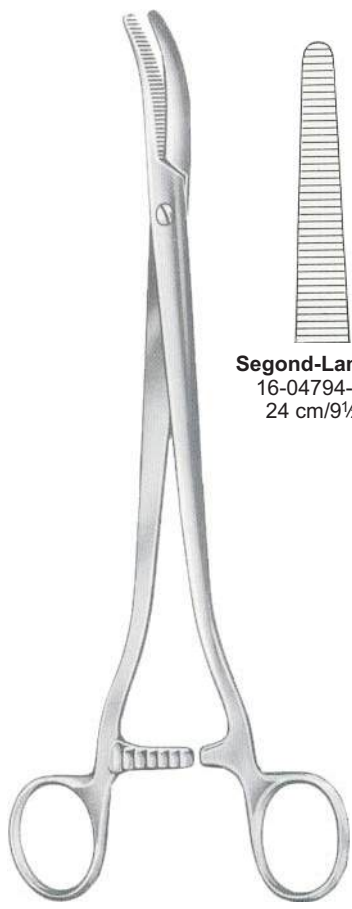
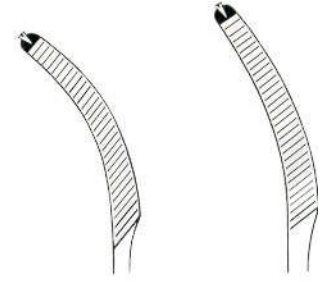
Mikulicz
16-04781-18
18.5 cm/7¼"



Mikulicz
16-04785-18
18 cm/7"



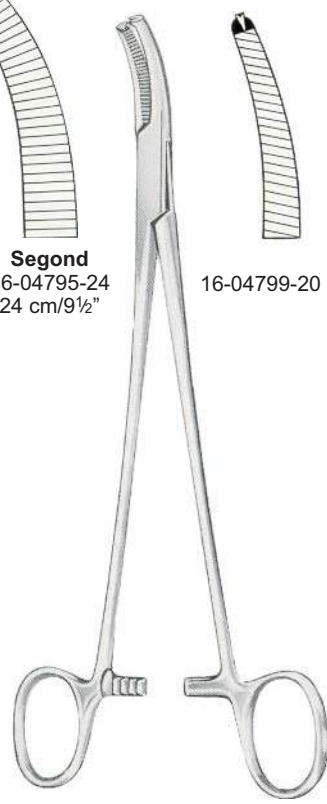
Mikulicz
16-04789-20 20 cm/8" 16-04791-20



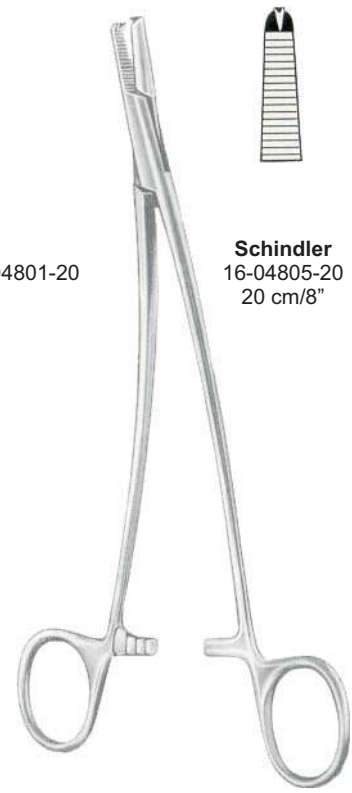
Segond-Landau
16-04794-24
24 cm/9½"



Segond
16-04795-24
24 cm/9½"



Faure
16-04799-20 20 cm/8" 16-04801-20



Schindler
16-04805-20
20 cm/8"





Schadel
16-04808-09
9 cm/3½"



Jones
16-04812-05 5 cm/2"
16-04812-09 9 cm/3½"



Engl-Modell
16-04816-09
9 cm/3½"



Backhaus
16-04820-09 9 cm/3½"
16-04820-11 11 cm/4½"
16-04820-13 13 cm/5"
16-04820-15 15 cm/6"

With clip for Tubing or Cable



16-04824-11 11 cm/4½"
16-04824-13 13 cm/5"



Peers-Bertram
16-04828-14
14.5 cm/5¾"



Tohoku
16-04832-10 10 cm/4"
16-04832-13 13 cm/5"



Roder
16-04836-13 13 cm/5"
16-04836-15 15 cm/6"



Lorna
16-04840-10 10 cm/4"
16-04840-13 13 cm/5"



Bernhard
16-04844-16 16.5 cm/6½"



Lane
16-04848-20
20 cm/8"



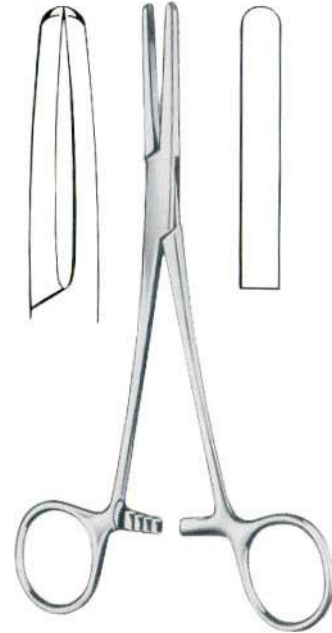
Doyen
16-04852-18
18 cm/7"



16-04856-14 14 cm/5½"
16-04856-15 15 cm/6"
16-04856-18 18 cm/7"
16-04856-20 20 cm/8"



16-04860-14
14.5 cm/5¾"



16-04864-16 16.5 cm/6½"
16-04864-18 18.0 cm/7"

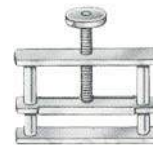


16-04868-15 15 cm/6"
16-04868-18 18 cm/7"
16-04868-20 20 cm/8"



Mohr
16-04872-50 50 mm
16-04872-60 60 mm
16-04872-70 70 mm
16-04872-80 80 mm

Sizes
mm
13
17
20
25
30



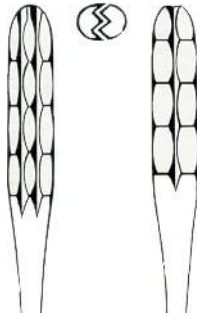
Hoffmann
16-04876-13
16-04876-17
16-04876-20
16-04876-25
16-04876-30



Hoffmann
16-04880-13
16-04880-17
16-04880-20
16-04880-25
16-04880-30

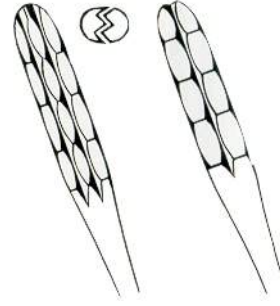


Ulrich



Straight

16-04884-22
16-04884-25
16-04884-27



Curved

22 cm/8¾"
25 cm/10"
27 cm/10½"

16-04885-22
16-04885-25
16-04885-27



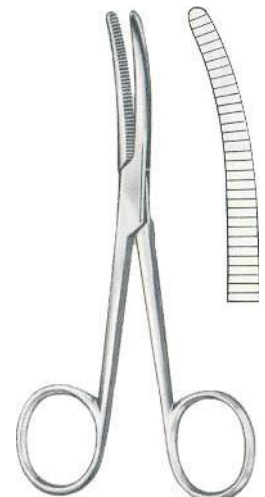
Lister

16-04888-13	13 cm/5"	16-04890-13
16-04888-15	15 cm/6"	16-04890-15
16-04888-18	18 cm/7"	16-04890-18



Bryant

16-04894-13
13 cm/5"



Bryant

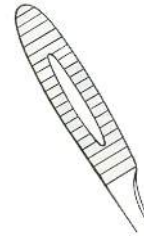
16-04896-13
13 cm/5"



Gross-Maier



Straight



Curved

With Ratchet

16-04900-20
16-04900-25

20 cm/8"
25 cm/10"

16-04901-20
16-04901-25

Without Ratchet

16-04904-20
16-04904-25

20 cm/8"
25 cm/10"

16-04905-20
16-04905-25



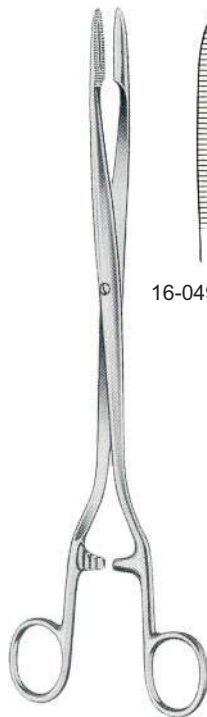
Pelkmann
25 cm/10"



16-04908-25



16-04909-25



Sims-Maier
28 cm/11"



16-04912-28



16-04913-28



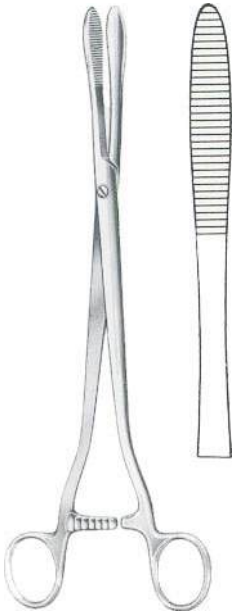
Duplay
20 cm/8"



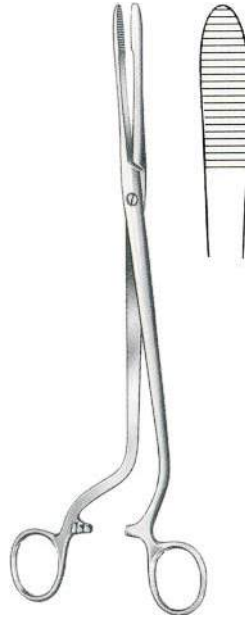
16-04916-20



16-04917-20



Collin
16-04920-25
25cm/10"



Cheron
16-04924-25
25cm/10"



Emmet
16-04928-21
21cm/8 1/4"



Bozemann
16-04932-26
26cm/10 1/4 "



Bozemann
26cm/10 1/4 "

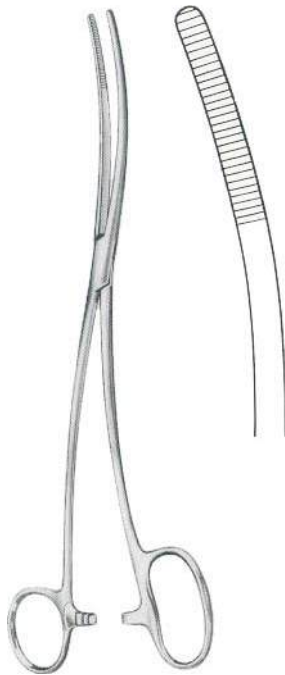


16-04935-26

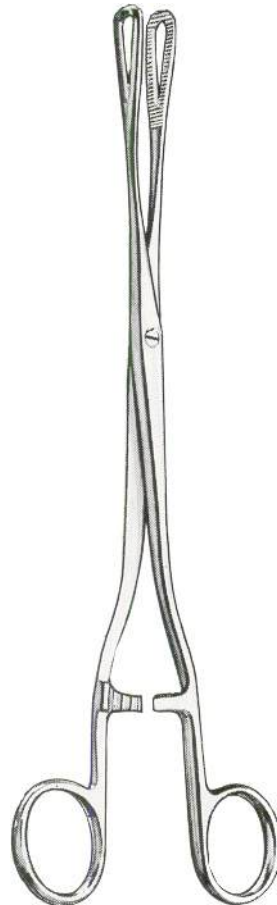


16-04937-26

Smooth



Bozemann-Douglas
16-04941-26
26cm/10¼"



Rampley
16-04944-18 18cm/7"
16-04944-24 24cm/9½"

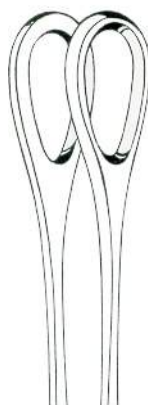


Rampley
16-04946-18 18cm/7"
16-04946-24 24cm/9½"

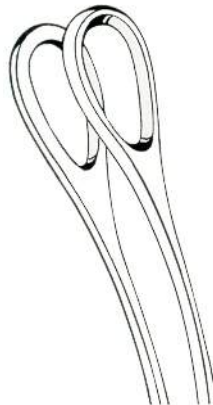


Foerster

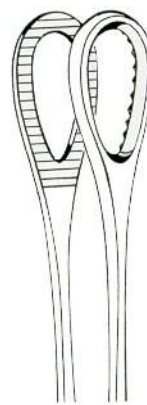
18 cm/7"
20 cm/8"
24 cm/9½"
25 cm/10"



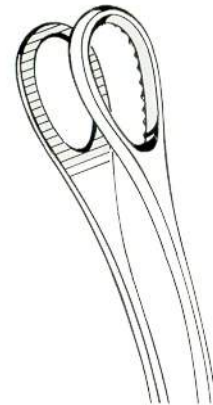
16-04950-18
16-04950-20
16-04950-24
16-04950-25



16-04951-18
16-04951-20
16-04951-24
16-04951-25



16-04954-18
16-04954-20
16-04954-24
16-04954-25



16-04955-18
16-04955-20
16-04955-24
16-04955-25



Schwartz
16-04959-19
19cm/7½"



16-04962-01



16-04962-02



16-04962-03

Applying Forceps



16-04966-23
23cm/9"



Diethrich



16-04970-08



16-04970-12



16-04970-20



16-04971-08



16-04971-12



16-04971-20

Atrauma



16-04974-10



16-04974-14



16-04974-20



16-04975-10



16-04975-14



16-04975-20



Miller
13.5cm/5¼"



Sharp
17-04979-13

Blunt
17-04980-13



Crile
17-04984-20
20cm/8"



Cushing

19cm/7½"
28cm/11"



17-04988-19
17-04988-28



17-04990-19
17-04990-28



Kilner
17-04993-15
15cm/6"



Fig. 1

Gillies
17-04995-18
18cm/7"



Fig. 2

Gillies
17-04997-18
18cm/7"



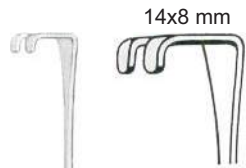
Sharp

Frazier
17-05001-13
17-05001-18



Blunt

13cm/5"
18cm/7"
17-05002-13
17-05002-18



17-05006-16
16cm/6¼"



17-05010-08
8 mm



17-05010-10
10 mm



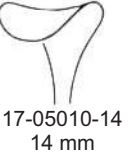
17-05014-12
12 mm



17-05014-14
14 mm



17-05010-12
12 mm



17-05010-14
14 mm



17-05014-16
16 mm



17-05014-18
18 mm



17-05010-16
16 mm



17-05010-18
18 mm



Sharp



Blunt

Graefe
17-05017-16 16cm/6¼" 17-05018-16



17-05021-16
16cm/6¼"



17-05023-16
16cm/6¼"



O, Connor
17-05025-16
16cm/6¼"



Guthrie
17-05029-16 16cm/6¼" 17-05031-16



17-05035-16
16cm/6¼"



17-05037-16
16cm/6¼"



Mini-Langenbeck
16 cm/6¼"



17-05040-10
10x6 mm



17-05040-17
17x5 mm



17-05040-20
20x6 mm



17-05040-22
22x8 mm



Sharp

17-05043-01



Blunt

17-05044-01



17-05043-02



17-05044-02



17-05043-03



17-05044-03



17-05043-04



17-05044-04

Flexible



17-05047-02



17-05047-03



17-05047-04



17-05048-02



17-05048-03



17-05048-04

Sharp

Blunt



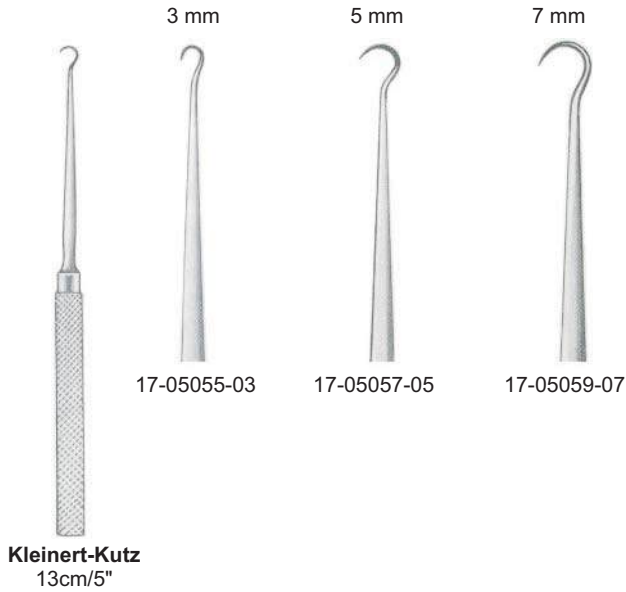
17-05051-04

Sharp



17-05052-04

Blunt



Malleable



Gil-Vernet
24cm/9½"

Malleable



24cm/9½"

12x14 mm



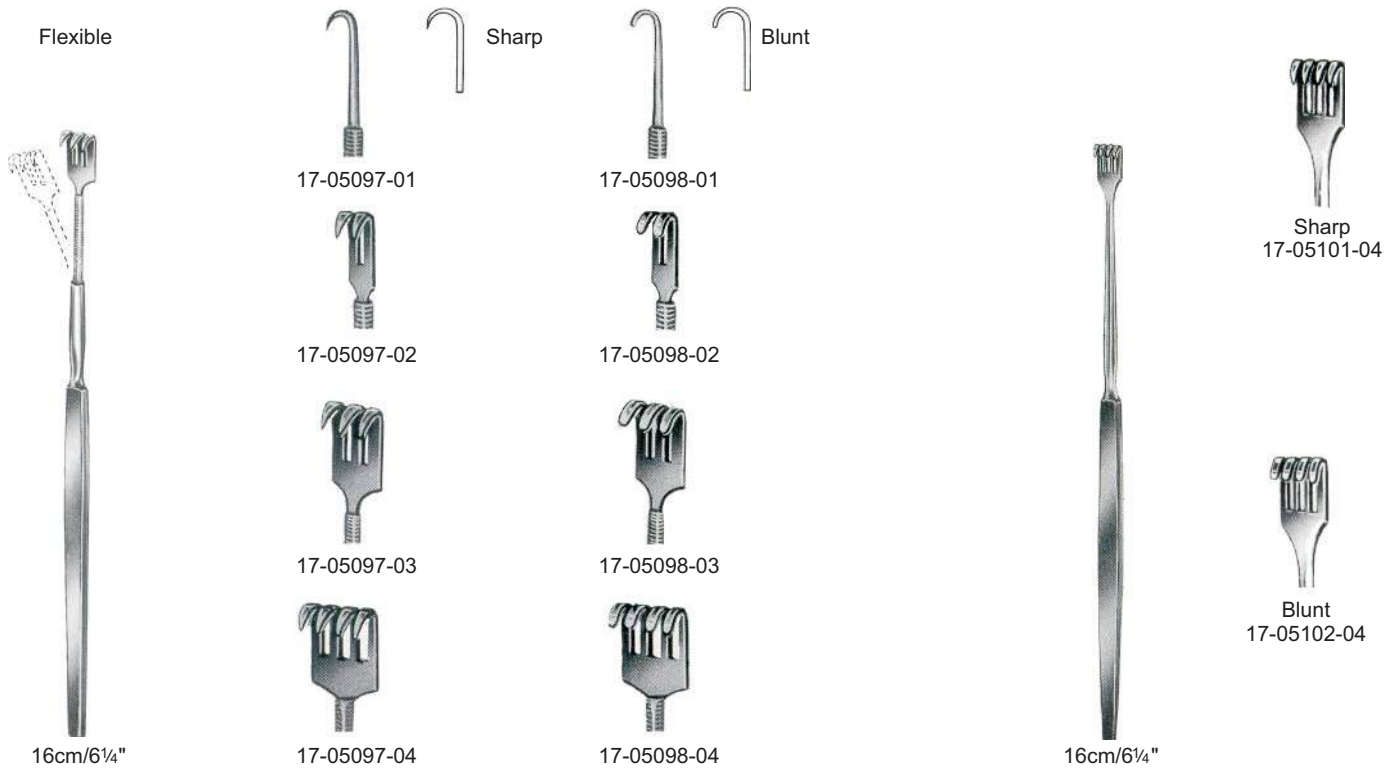
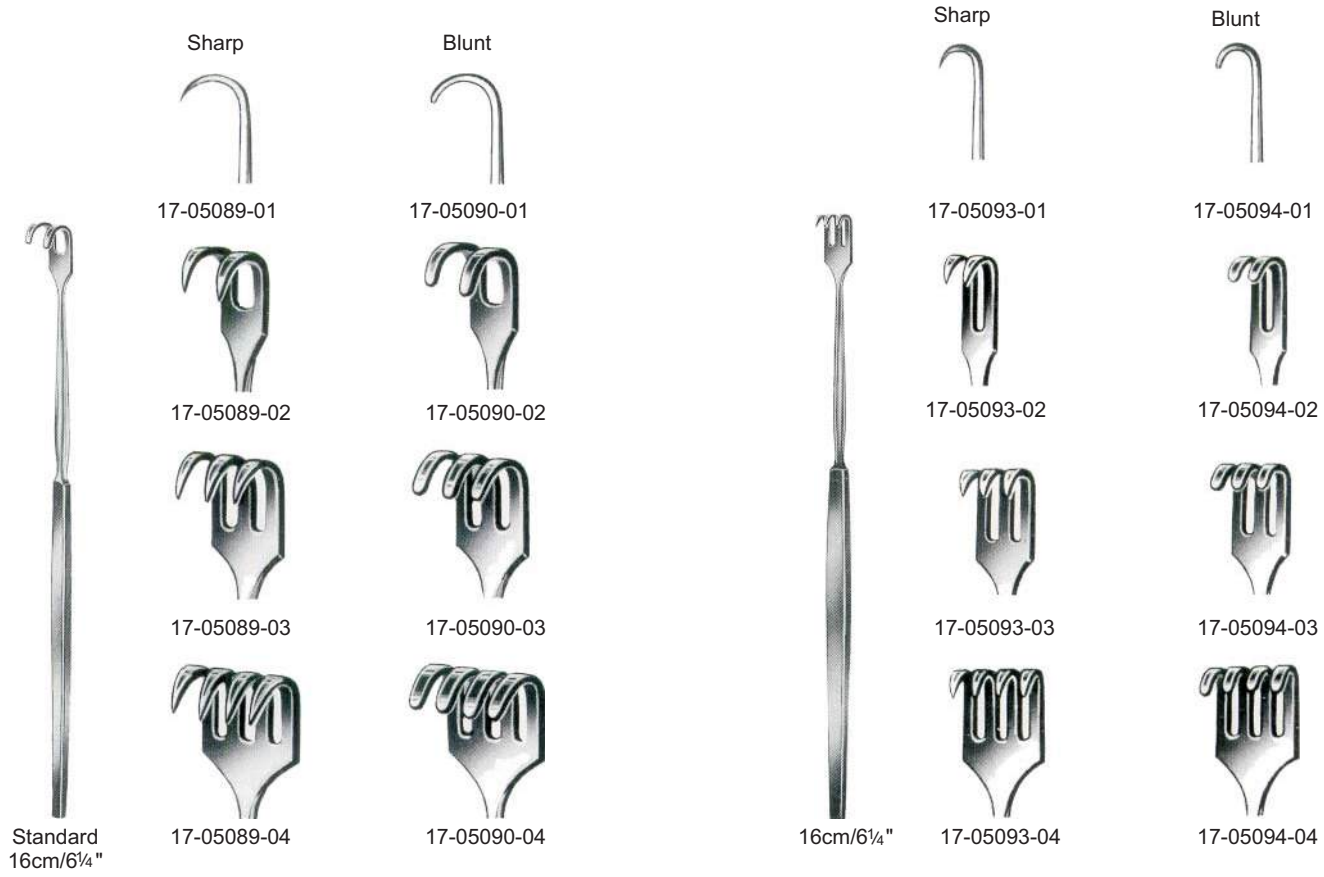
Little
17-05085-20
20cm/8"



Love-(Morse)
25cm/10"

- 10 mm 17-05086-10
- 15 mm 17-05086-15
- 20 mm 17-05086-20
- 30 mm 17-05086-30
- 40 mm 17-05086-40
- 50 mm 17-05086-50

08 mm 17-05080-08	17-05082-08
11 mm 17-05080-11	17-05082-11
15 mm 17-05080-15	17-05082-15
17 mm 17-05080-17	17-05082-17
20 mm 17-05080-20	17-05082-20
23 mm 17-05080-23	17-05082-23





17-05106-02
13.5cm/5¼"



Jackson
17-05109-13
13cm/5"



Bergmann
17-05113-14
14cm/5½"



Iterson
16cm/6¼"



17-05117-16



17-05119-16



Meyerding
18cm/7"



17-05122-18
18x7 mm



17-05128-18
16x5 mm



17-05124-18
7x4 mm



17-05130-18
10x3 mm



17-05126-18
7x4 mm



17-05132-18



Volkmann
11.5cm/4½"



Sharp

17-05135-02



Blunt

17-05136-02



17-05135-03



17-05136-03



17-05135-04



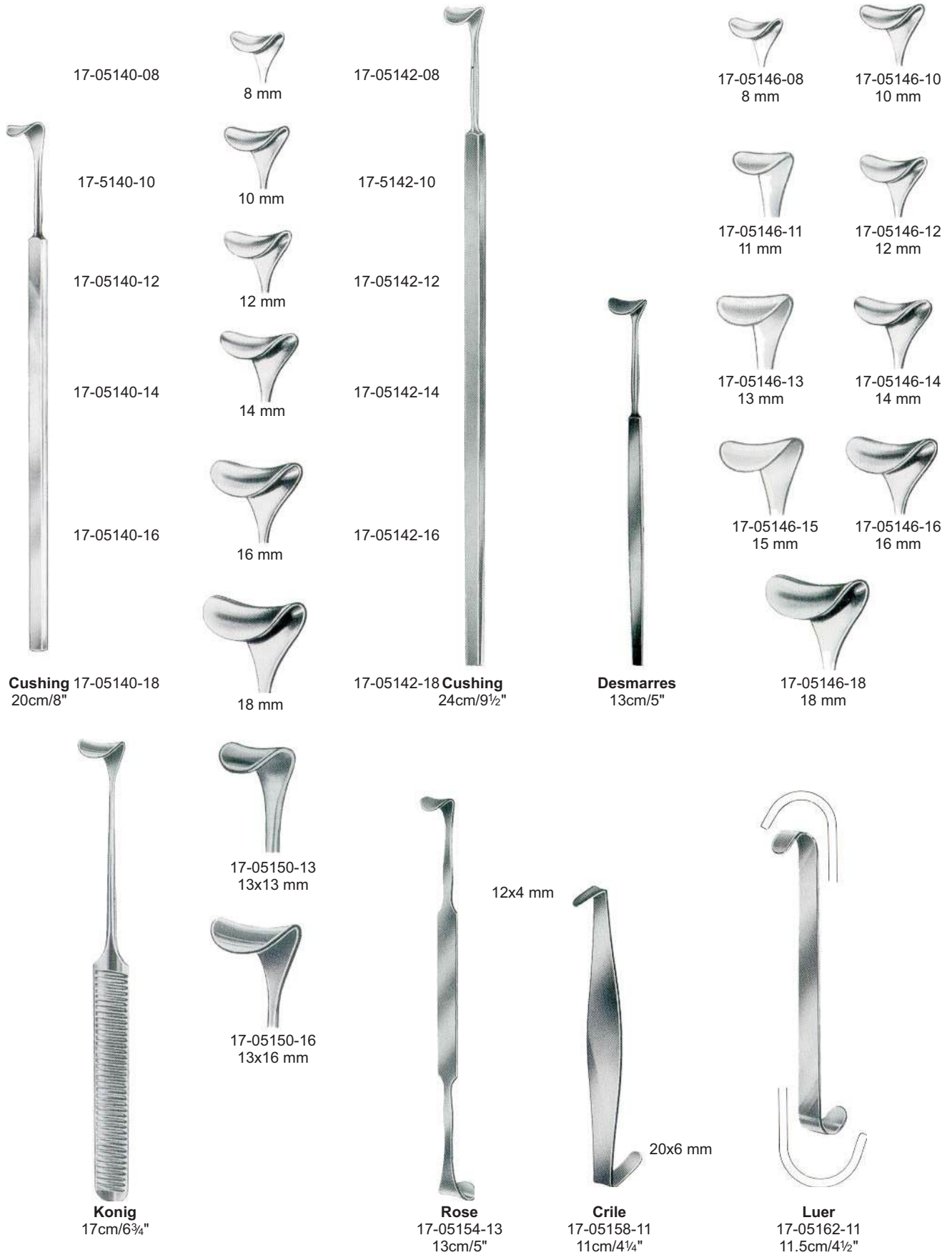
17-05136-04

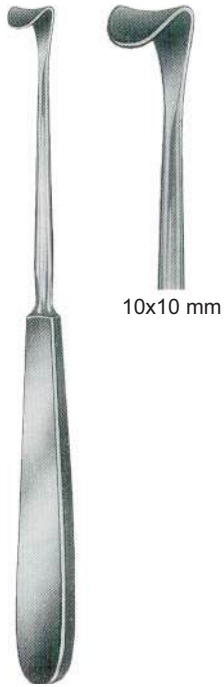


17-05135-06



17-05136-06

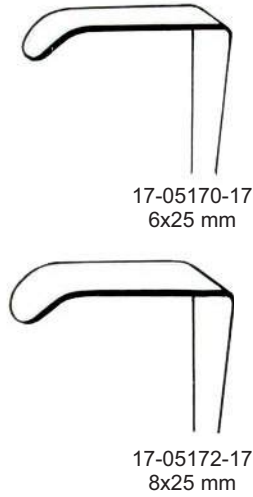




Cushing-Kocher
17-05166-18
18cm/7"



Langenbeck-Green
17cm/6¾"



17-05170-17
6x25 mm

17-05172-17
8x25 mm



Strandell-Stille
19cm/7½"



17-05176-19



17-05178-19

Tendon Sheath Hook



17-05182-02



17-05182-03



Klapp
17.5 cm/7"



17-05182-04

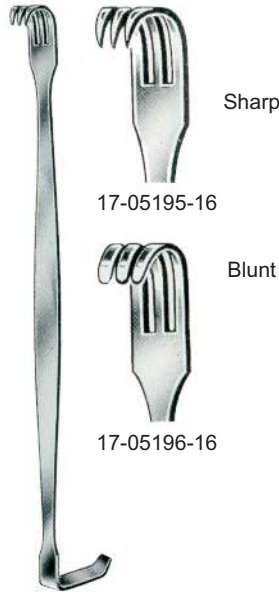
Decompression Hook



Cushing
17-05186-20
20cm/8"



Senn-Miller
16cm/6¼"



Baby-Senn-Miller
16cm/6¼"



Rangell-Davis
17-05200-14
14cm/5½"



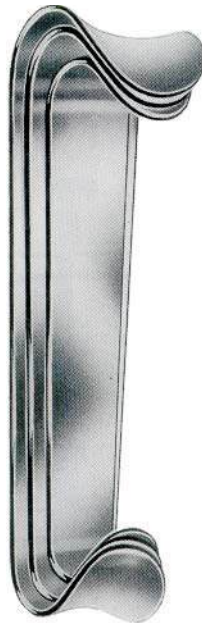
Senn-Green
15cm/6"



Langenbeck-Green
16cm/6¼"



Collin-Hartmann



Roux



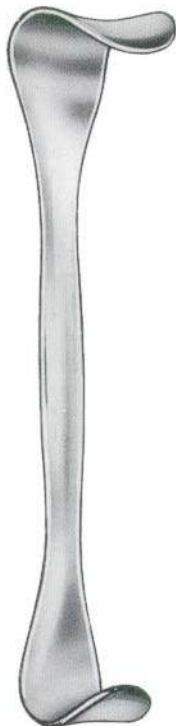
Baby-Roux
13 cm/5"



Mini-Roux
14 cm/5½"

Set	17-05214-00	Set	17-05218-00	17-05222-13	17-05224-14
14 cm/5½"	17-05214-01	14 cm/5½" Fig. 1	17-05218-01		
16 cm/6"	17-05214-02	15 cm/6" Fig. 2	17-05218-02		
		17 cm/6¾" Fig. 3	17-05218-03		

37x40 mm



37x31 mm

Goelet
17-05228-19
19 cm/7½"



Parker-Langenbeck (US-Army)
17-05232-21
21cm/8¼"

Set



Parker
17-05236-13
13.5 cm/5¼"

Set



Parker
17-05240-18
18 cm/7"

Set



Set

Parker-Mott
17-05244-16
16 cm/6¼"



Set

Farabeuf
17-05248-12
12 cm/4¾"



Set

Farabeuf
17-05250-15
15 cm/6"



Set

Collin
17-05254-16
16.5 cm/6½"



Set

Mayo-Collin
17-05256-15
15 cm/6"



Set

Mathieu
17-05260-19
19 cm/7½"



Volkmann
17-05263-22
22 cm/8¾"



Volkmann
17-05264-22
22 cm/8¾"





















17-05267-23
23 cm/9"



17-05268-23
23 cm/9"



Volkmann
22cm/8¾"

	9x8 mm	9x13 mm	9x19 mm	9x29 mm	9x40 mm	
sharp	 17-05273-01	 17-05273-02	 17-05273-03	 17-05273-04	 17-05273-06	 17-05273-08
blunt	 17-05274-01	 17-05274-02	 17-05274-03	 17-05274-04	 17-05274-06	 17-05274-08
semi-sharp	 17-05275-01	 17-05275-02	 17-05275-03	 17-05275-04	 17-05275-06	 17-05275-08



Volkmann
23 cm/9"





sharp

blunt

semi-sharp

Kocher
21.5cm/8½"

15x10 mm

15x15 mm

15x20 mm

15x30 mm

15x40 mm



17-05295-01



17-05295-02



17-05295-03



17-05295-04



17-05295-06



17-05295-08



17-05296-01



17-05296-02



17-05296-03



17-05296-04



17-05296-06



17-05296-08



17-05297-01



17-05297-02



17-05297-03



17-05297-04



17-05297-06



17-05297-08



sharp

17-05301-20
20 cm/8"



blunt

17-05302-20
20 cm/8"



sharp

17-05305-14
14 cm/5½"



17-05308-03
36x30 mm



17-05308-04
36x60 mm

Ollier
22.5 cm/9"



Murphy
19.5 cm/7 3/4"

Sharp



17-05311-02



17-05311-03



17-05311-04



17-05311-06



blunt



17-05312-02



17-05312-03



17-05312-04

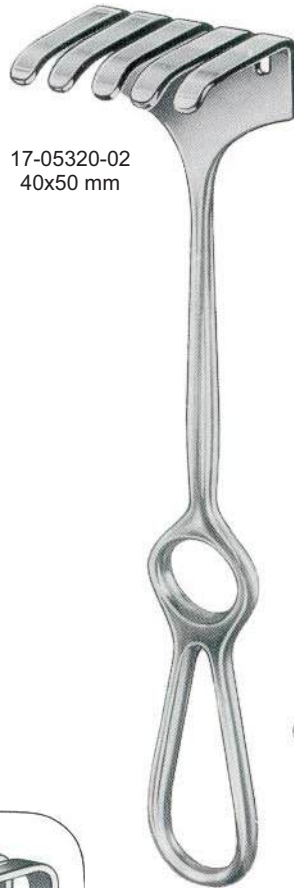


17-05312-06





Wassmund
17-05316-20
20cm/8"



Israel
25cm/10"

17-05320-02
40x50 mm



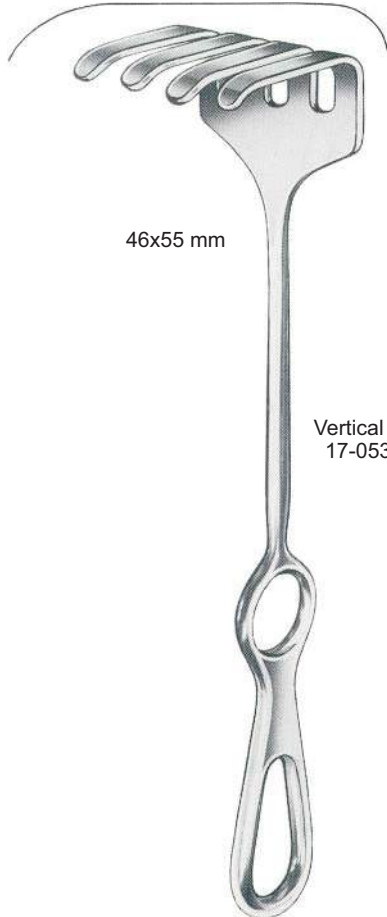
17-05320-01
40x40 mm



17-05320-03
50x60 mm



17-05320-04
70x70 mm

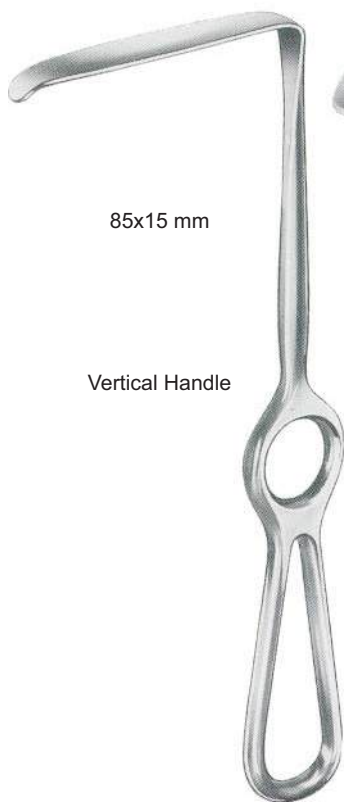


46x55 mm

Vertical Handle
17-05324-23

Koerte
23cm/9"





85x15 mm

Vertical Handle

Langenbeck
17-05340-21
21.5cm/8½"



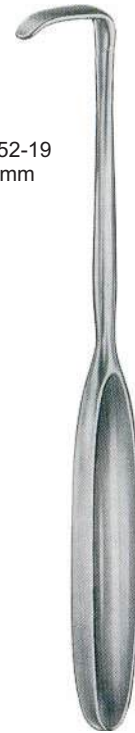
17-05344-01
55x20 mm
17-05344-02
63x20 mm
17-05344-03
60x20 mm

Langenbeck
21cm/8¼"



17-05348-01
35x7 mm
17-05348-02
35x10 mm
17-05348-03
35x15 mm
17-05348-04
60x20 mm

Langenbeck
21cm/8¼"



17-05352-19
28x6 mm

Lahey
19cm/7½"



23cm/9"

Sauerbruch
17-05356-01 45x15 mm
17-05356-02 55x23 mm
17-05356-03 72x20 mm



Langenbeck
21cm/8¼"

17-05360-01 30x11 mm 17-05364-01
17-05360-02 30x14 mm
17-05360-03 33x14 mm
17-05360-04 30x16 mm
17-05360-05 40x11 mm 17-05364-05
17-05360-06 42x13 mm 17-05364-06
17-05360-07 50x11 mm

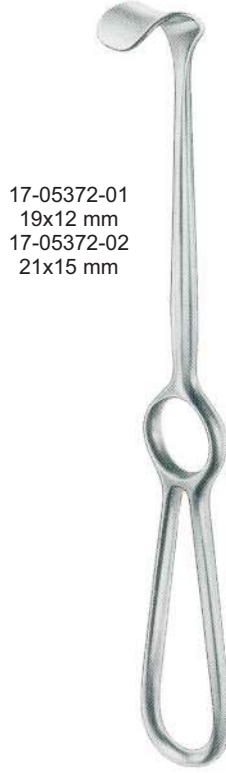


Langenbeck
22cm/8¾"



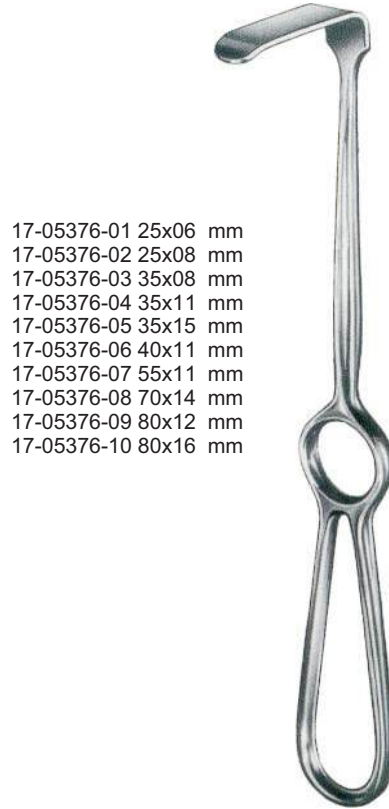
38x20 mm

Kocher
17-05368-22
22cm/8¾"



17-05372-01
19x12 mm
17-05372-02
21x15 mm

Kocher
19cm/7½"



17-05376-01 25x06 mm
17-05376-02 25x08 mm
17-05376-03 35x08 mm
17-05376-04 35x11 mm
17-05376-05 35x15 mm
17-05376-06 40x11 mm
17-05376-07 55x11 mm
17-05376-08 70x14 mm
17-05376-09 80x12 mm
17-05376-10 80x16 mm

Kocher-Langenbeck
21.5cm/8½"



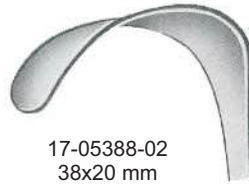
67x17cm

Casper
17-05380-21
21.5cm/8½"

17-05388-01
22x15 mm



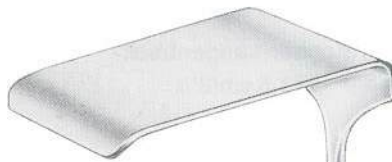
17-05388-02
38x20 mm



17-05388-03
67x25 mm



17-05388-04
100x35 mm



17-05384-01
40x18 mm
17-05384-02
60x20 mm
17-05384-03
60x25 mm
17-05384-04
75x30 mm
17-05384-05
75x40 mm

Kocher
23cm/9"



Kocher-Wagner
28cm/11"



17-05392-01
60x20 mm
17-05392-02
80x30 mm
17-05392-03
100x30 mm
17-05392-04
120x30 mm
17-05392-05
140x30 mm
17-05392-06
140x40 mm

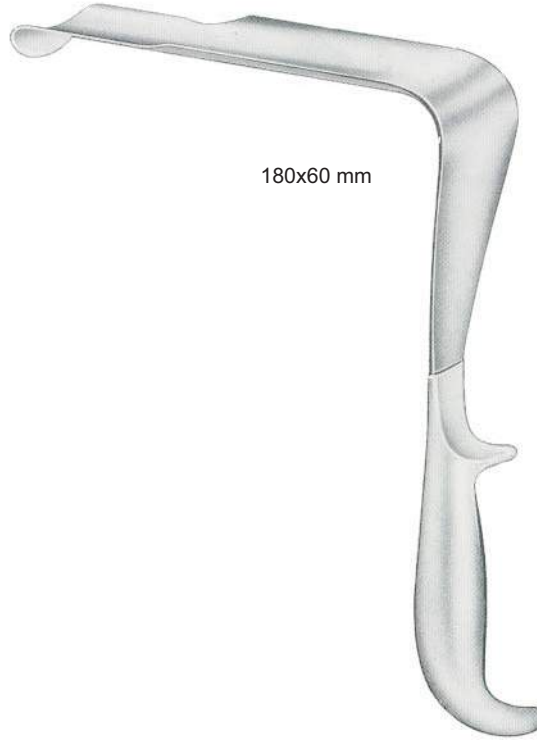
Heosel
25cm/10"





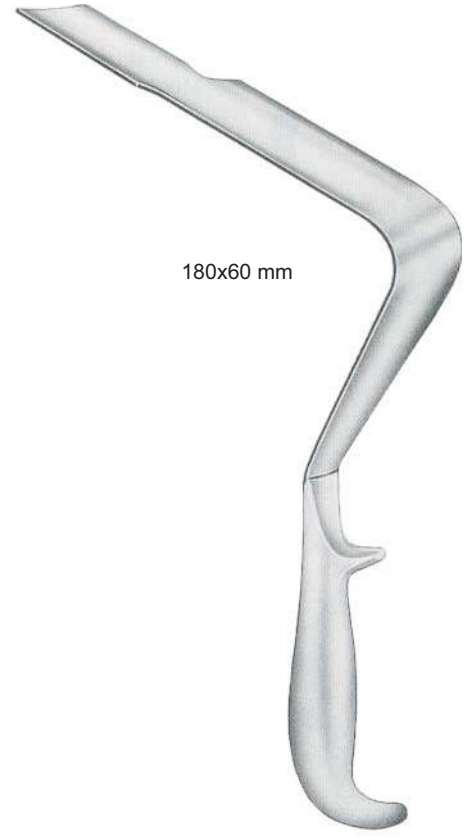
130x60 mm

St. Marks
17-05396-29
29cm/11½"



180x60 mm

St. Marks
17-05396-32
32.5cm/12¾"



180x60 mm

St. Marks
17-05396-33
33cm/13"



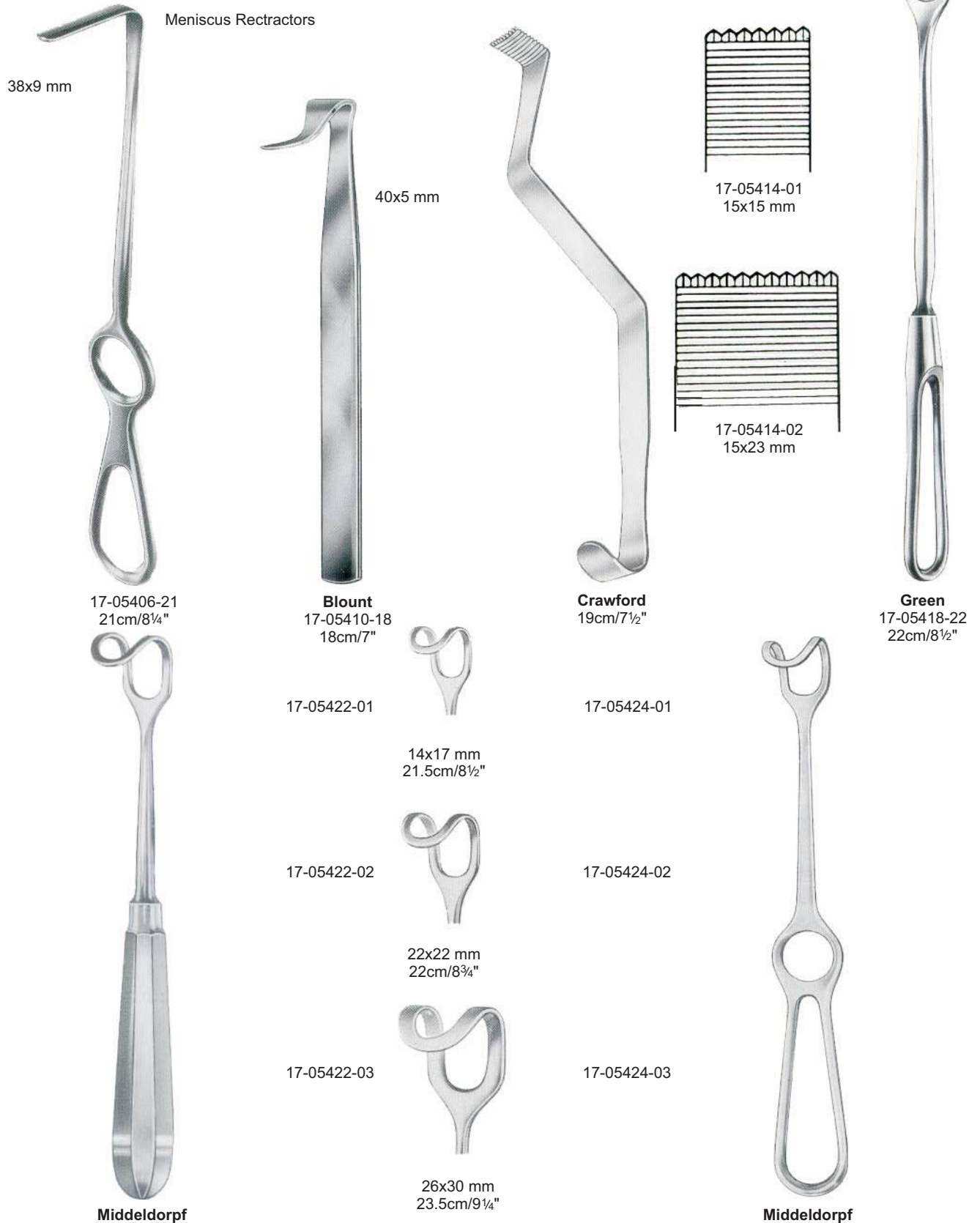
17-05400-01
70x40 mm
17-05400-02
70x50 mm
17-05400-03
70x65 mm

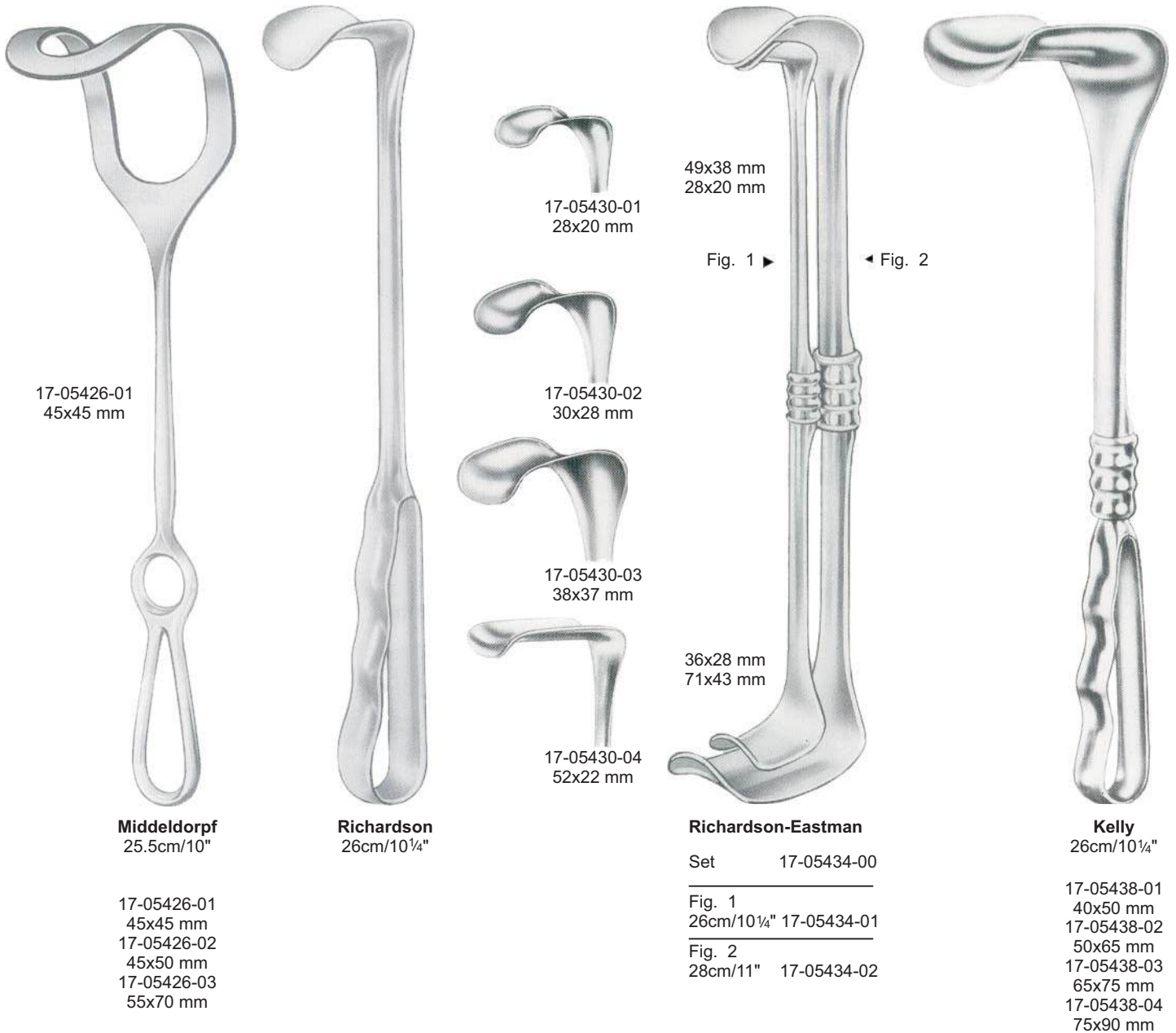
Morris
21cm/8¼"

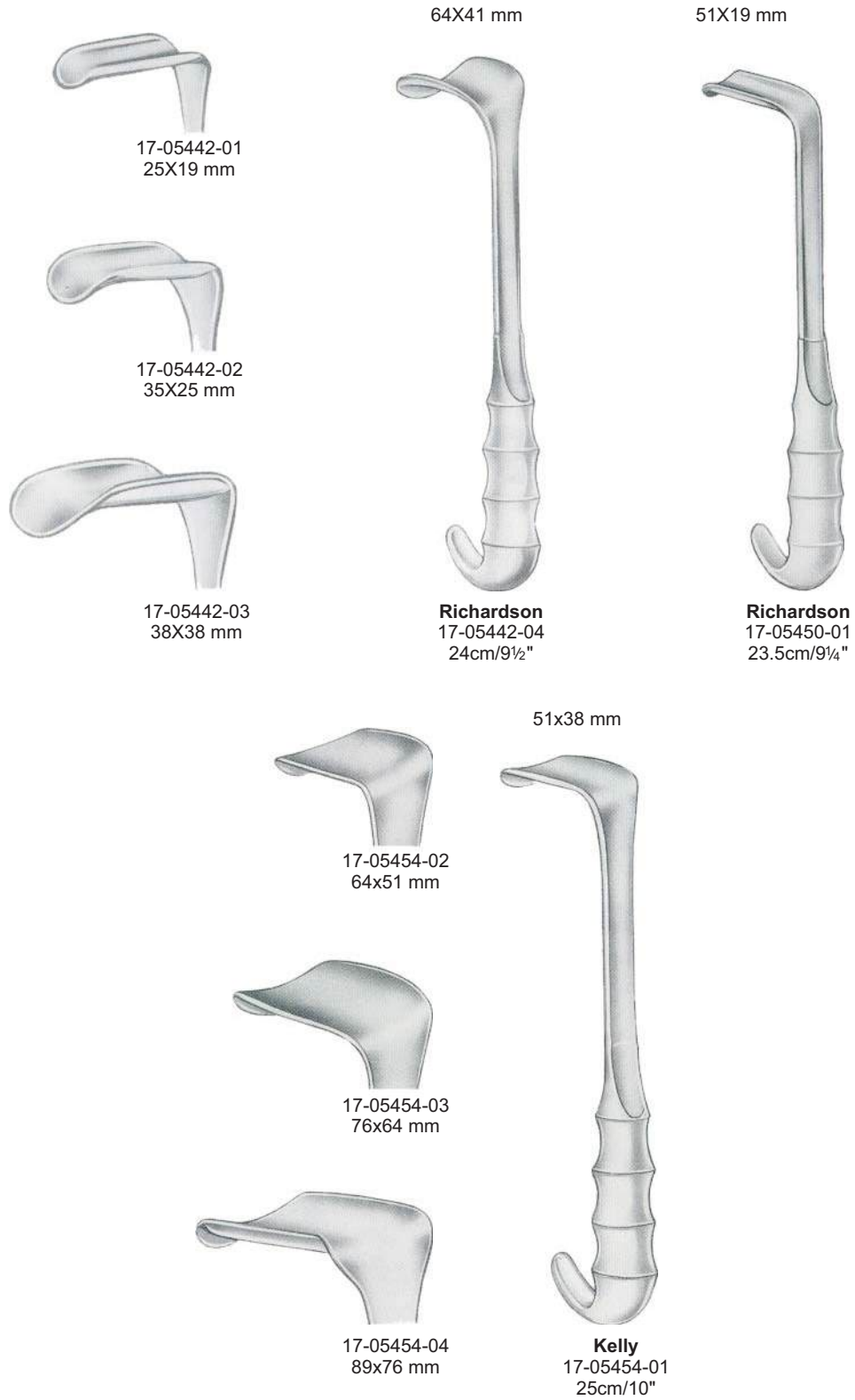


17-05402-01
32x50 mm/38x50mm
17-05402-02
45x50 mm/50x50mm
17-05402-03
65x50 mm/38x50mm

Morris
24cm/9½"



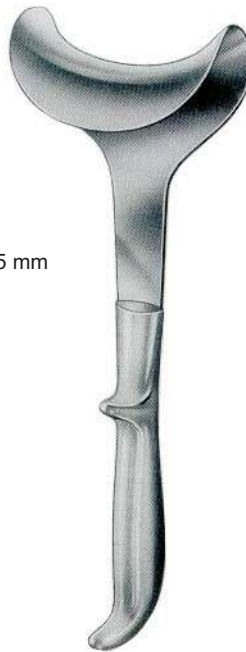






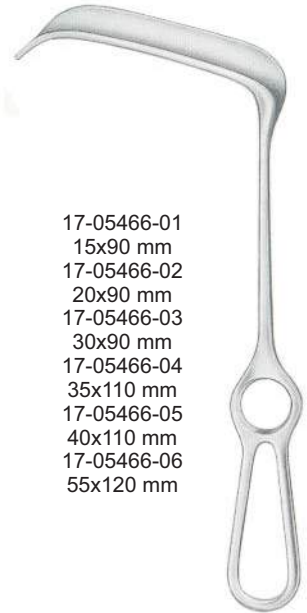
17-05458-01
45x40 mm
17-05458-02
45x50 mm
17-05458-03
45x60 mm
17-05458-04
45x75 mm
17-05458-05
65x85 mm

Fritsch
24cm/9½"



50x85 mm

Doyen
17-05462-25
25cm/10"



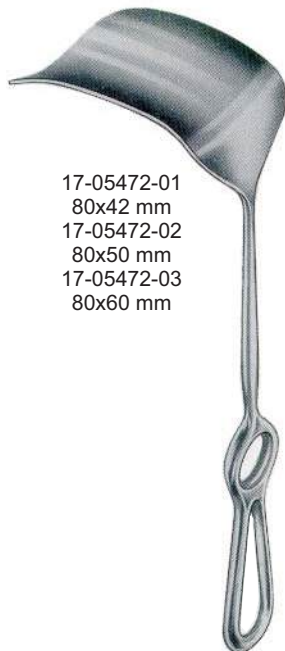
17-05466-01
15x90 mm
17-05466-02
20x90 mm
17-05466-03
30x90 mm
17-05466-04
35x110 mm
17-05466-05
40x110 mm
17-05466-06
55x120 mm

Doyen-Stille
24cm/9½"



70x25 mm

Kocher
17-05470-22
22.5cm/9"



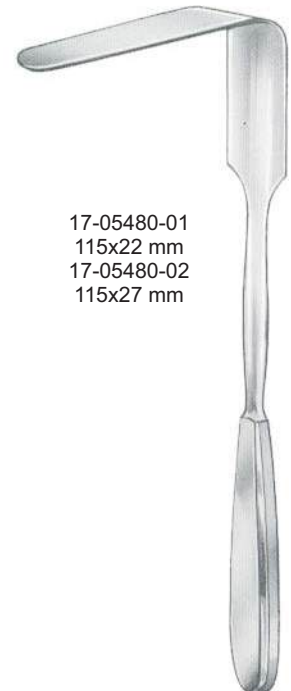
17-05472-01
80x42 mm
17-05472-02
80x50 mm
17-05472-03
80x60 mm

Kocher
25cm/10"



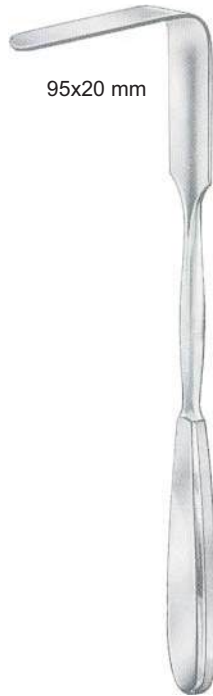
60x60 mm

Tuffier
17-05476-23
23cm/9"



17-05480-01
115x22 mm
17-05480-02
115x27 mm

Simon
28cm/11"



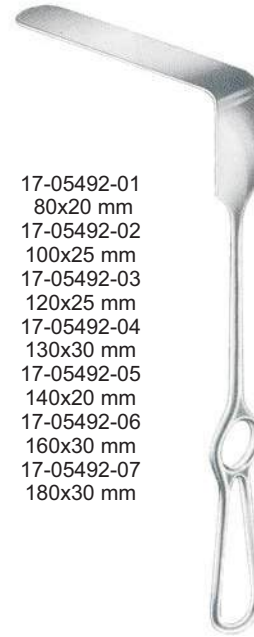
95x20 mm

Tuebingen
17-05484-28
28cm/11"



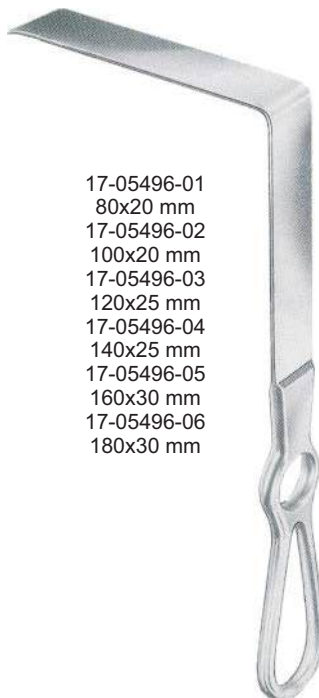
105x27 mm

Martin
17-05488-26
26cm/10¼"



17-05492-01
80x20 mm
17-05492-02
100x25 mm
17-05492-03
120x25 mm
17-05492-04
130x30 mm
17-05492-05
140x20 mm
17-05492-06
160x30 mm
17-05492-07
180x30 mm

Brunner
25cm/10"



17-05496-01
80x20 mm
17-05496-02
100x20 mm
17-05496-03
120x25 mm
17-05496-04
140x25 mm
17-05496-05
160x30 mm
17-05496-06
180x30 mm

Brunner
25cm/10"



17-05500-01
85x35 mm
17-05500-02
120x50 mm
17-05500-03
155x50 mm

Mikulicz
26cm/10¼"



90x50 mm

Mikulicz
17-05502-26
26cm/10¼"



17-05506-01
160x38 mm
17-05506-02
160x57 mm
17-05508-01
190x38 mm
17-05508-02
190x57 mm

Kelly
27cm/10½"



Polloson
17-05510-27
27cm/10½"



Polloson
17-05512-27
27cm/10½"

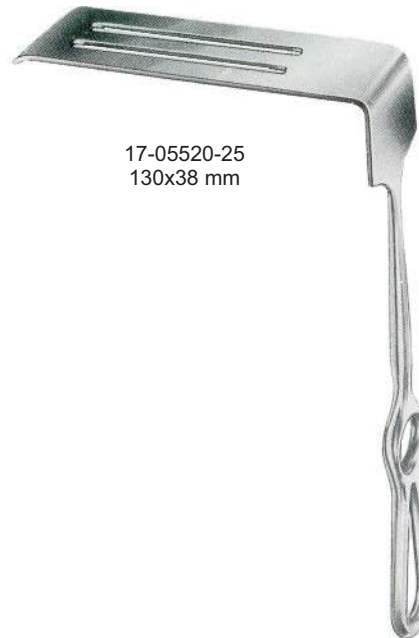


17-05516-03
115x65 mm

17-05516-02
115x38 mm

17-05516-01
82x20 mm

Coryllos
23.0cm/9"



17-05520-25
130x38 mm

Sauerbruch
25cm/10"





17-05536-01
50x16 mm
17-05536-02
75x25 mm
17-05536-03
90x50 mm

Meyerding
22.5cm/9"



Zenker

17-05540-01 25cm/10" 35x08 mm
17-05540-02 26cm10¼" 60x12 mm
17-05540-03 27.5cm/10¾" 75x12 mm



17-05544-00
Set of 2
Fig. 1
17-05544-01
25x75 mm
Fig. 2
17-05544-02
25x80 mm

Hibbs
24cm/9½"



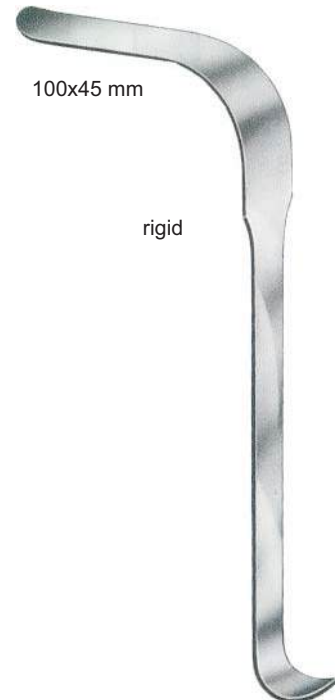
17-05548-01
45x25 mm
17-05548-02
73x28 mm
17-05548-03
82x28 mm

Heaney
27cm/10½"

46 mm



Kuemmel
17-05552-33
33cm/13"



100x45 mm

rigid

Koerte
17-05556-28
28cm/11"

17-05560-20
20 mm
17-05560-30
30mm
17-05560-40
40 mm



Kader
27cm/10½"



17-05564-01
25.5cm/10"
45 mm
17-05564-02
27.5cm/10¾"
60 mm

Leriche



Malleable
17-05568-01 20 mm
17-05568-02 25 mm
17-05568-03 30 mm
17-05568-04 35 mm
17-05568-05 40 mm
17-05568-06 45 mm
17-05568-07 50 mm
17-05568-08 64 mm
17-05568-09 76 mm
17-05568-10 102 mm
33cm/13"

Malleable



Tuffier
17-05570-20
20 cm/8"
17x25 mm

Malleable

17-05572-01
200x6 mm
17-05572-02
200x8 mm
17-05572-03
200x10 mm
17-05572-04
200x12 mm
17-05572-05
200x17 mm
17-05572-06
200x20 mm
17-05572-07
200x25 mm
17-05572-08
250x25 mm



20cm/8"

Malleable

17-05574-01
280x25/30 mm
17-05574-02
300x37/45 mm
17-05574-03
300x40/50 mm



Haberer
21cm/8¼"



Reverdin
17-05578-28
28 cm/11"

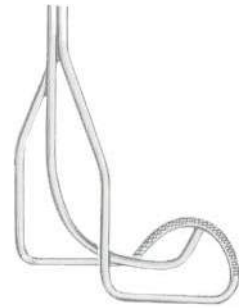


Davidson
16cm/6¼"

75x50 mm 17-05582-01
75x90 mm 17-05582-02



Cooley
17-05586-01
21.5cm/8½"



Cooley
17-05586-02
21.5cm/8½"

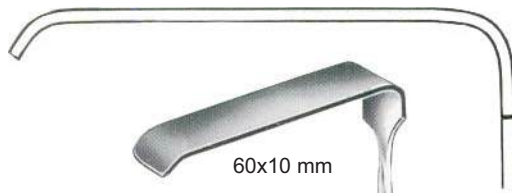


Cooley
17-05586-03
23cm/9"



Ross
27cm/10½"

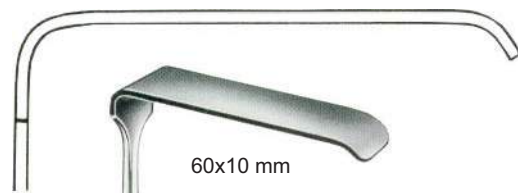
- Fig. 1 17-05590-01 13x13 mm
- Fig. 2 17-05590-02 14x12 mm
- Fig. 3 17-05590-03 18x18 mm
- Fig. 4 17-05590-04 20x20 mm
- Fig. 5 17-05590-05 22x18 mm
- Fig. 6 17-05590-06 26x24 mm



60x10 mm



Kirsch
17-05594-01
20cm/8"



60x10 mm



Kirsch
17-05594-02
20cm/8"



Set
17-05600-00

17-05600-01
24.5cm/10"

17-05600-02
24.5cm/10"



17-05604-01
40x12 mm

17-05604-02
55x14 mm

Dockhorn
20cm/8"



22cm/8³/₄"



17-05608-01
25x7 mm



17-05608-02
31x10 mm



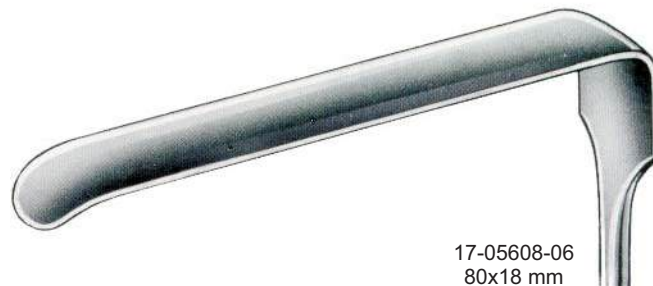
17-05608-03
42x11 mm



17-05608-04
55x12 mm



17-05608-05
70x14 mm



17-05608-06
80x18 mm



22cm/8 $\frac{3}{4}$ "



17-05612-01
42x13 mm



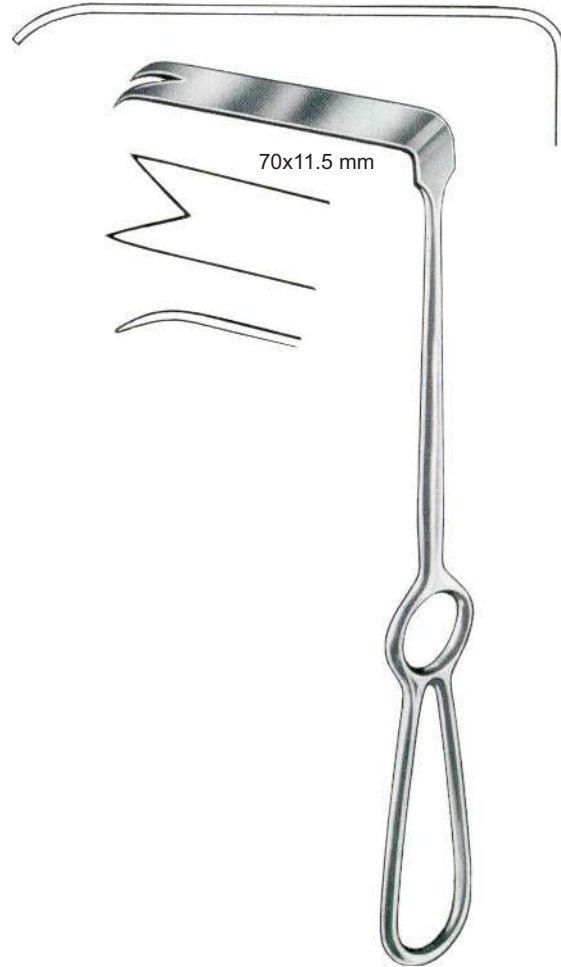
17-05612-02
60x12 mm



17-05612-03
80x16 mm



Spina-Nasalis
17-05616-01
22 cm/8¾"



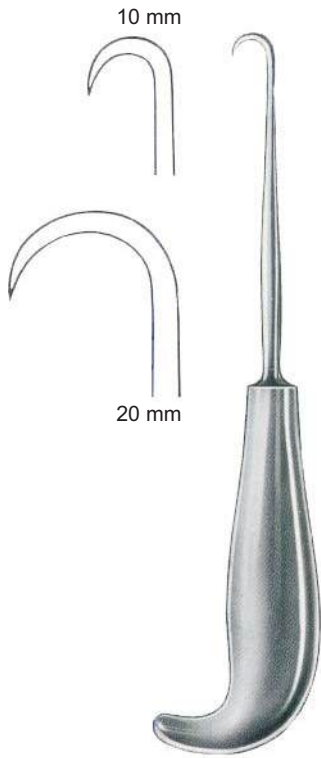
Ramus
17-05616-02
22 cm/8¾"



17-05620-15
15.5 cm/6"



17-05624-16
16 cm/6¼"



17-05627-10 10 mm
17-05627-20 20 mm
19cm/7½"



Dingman
17-05629-17
17.5cm/7"



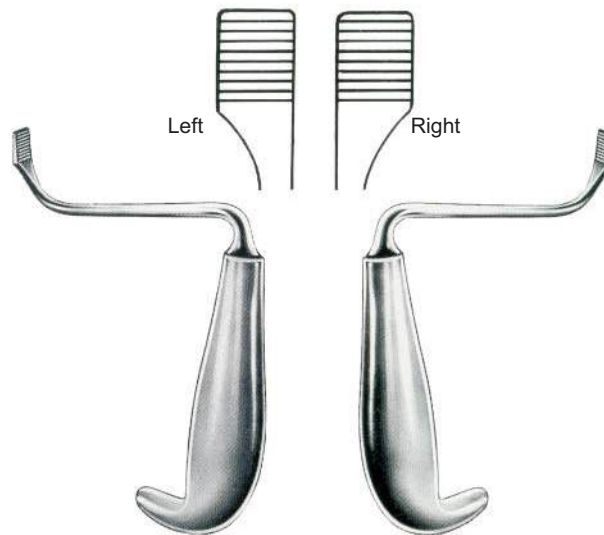
Soeresen-Hein
17-05632-17
17.5cm/7"



Dingman
17-05636-21
21cm/8¼"



17-05640-18
18.5cm/7¼"



Tessier
17-05644-01
15cm/6"

Tessier
17-05646-02
15cm/6"



Dingman
17-05648-00



17-05652-21
21cm/8¼"



17-05658-20
20.5cm/8"



17-05662-17
17.5cm/7"



17-05668-05
5 mm



17-05668-07
7 mm



17-05668-09
9 mm



20cm/8"



17.5cm/7"



17-05672-06
6 mm



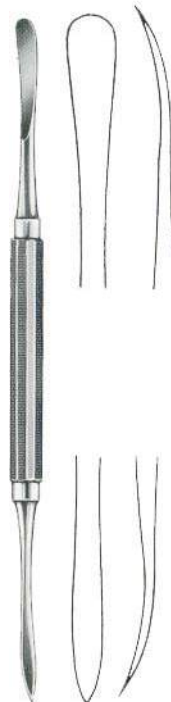
17-05672-07
7 mm



17-05672-09
9 mm



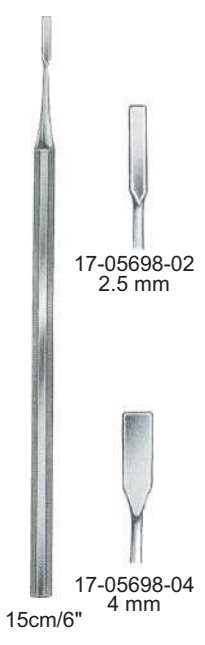
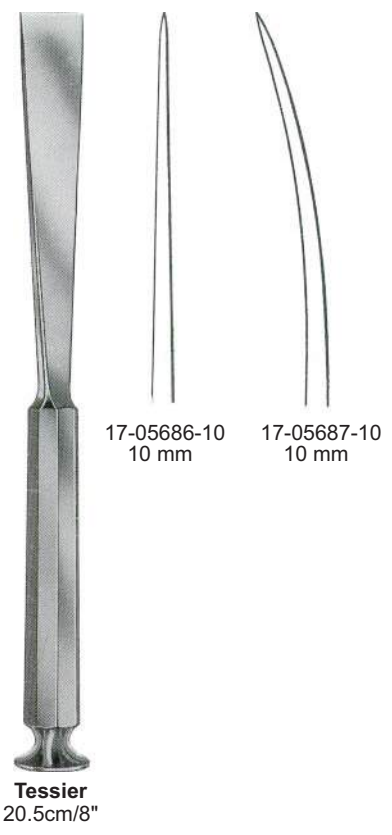
17-05672-11
11 mm

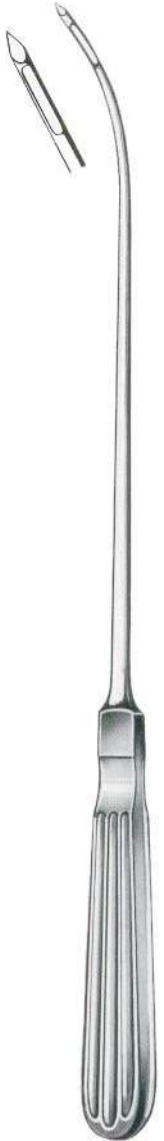


Dingman
17-05676-18
18cm/7"



17-05680-23
23.5cm/9¼"
10 mm





Sanders-Brown
17-05712-30
30cm/12"



Sanders-Brown
17-05716-29
29cm/11½"



17-05720-14
14cm/5½"



17-05722-23
23cm/9"



17-05724-18
18cm/7"



Kelsey-Fry
17-05726-15
15cm/6"



Kelsey-Fry
17-05728-18
18cm/7"



Mershon
17-05732-14
14.5cm/5½"



Bose



Finsen



Finsen

Sharp

Blunt

Sharp

cm	in				
5	2		17-05739-05		17-05740-05
7	2¾"	17-05736-07	17-05739-07	17-05740-07	17-05743-07



Allport
17-05750-09
9.5cm/3¾"

Sharp



Alm

Blunt

cm	in		cm	in		
8.5	3½"	17-05746-08	7	2¾"	17-05753-07	17-05756-07
11.5	4½"	17-05746-11	10	4	17-05753-10	17-05756-10



Holzheimer
Sharp 17-05759-10 10 cm/4"
blunt 17-05760-10



Jansen
Sharp 17-05763-10 10.5 cm/4 1/4"
blunt 17-05764-10



Jansen-Deep
Sharp 17-05767-10 10.5 cm/4 1/4"
blunt 17-05768-10



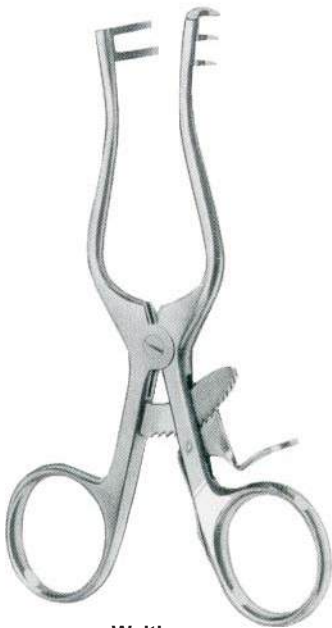
Plester
17-05772-11
11.5 cm/4 1/2"



Plester
17-05774-11
11.5 cm/4 1/2"



Plester
Sharp 17-05777-13 13 cm/5"
blunt 17-05778-13



Weitlaner

Sharp

Blunt



Weitlaner

Sharp

Blunt



Weitlaner-Wullstein

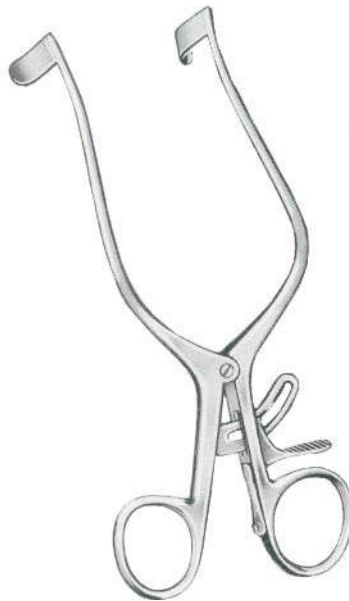
Sharp

Blunt

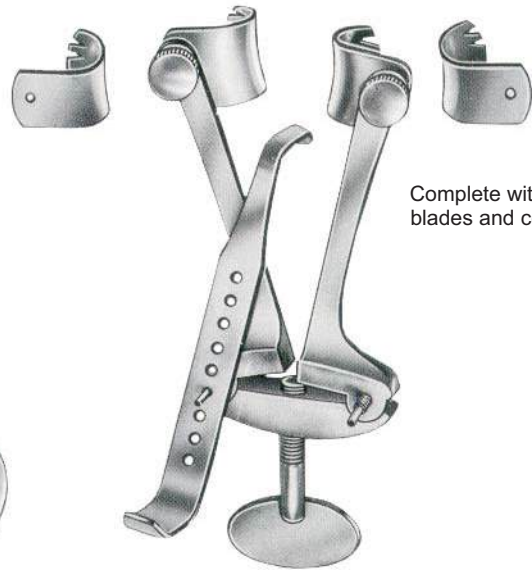
10.5 cm/4¼"	17-05781-10	17-05782-10				
13.0 cm/5"	17-05781-13	17-05782-13	17-05785-13	17-05786-13	17-05789-13	17-05790-13
14.0 cm/5½"	17-05781-14	17-05782-14	17-05785-14	17-05786-14	17-05789-14	17-05790-14
16.5 cm/6½"	17-05781-16	17-05782-16	17-05785-16	17-05786-16	17-05789-16	17-05790-16



Mollison
17-05793-15
15 cm/6"



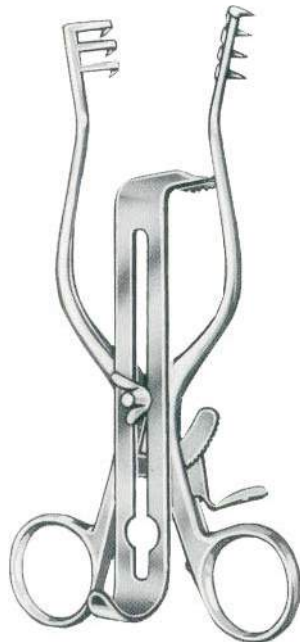
Tuebinger-Modell
17-05796-16
16 cm/6¼"



Henner(Lempert)
17-05800-12
12 cm/4½"

Complete with 2 pairs of blades and centre blade

Complete with 3 Central blades



Henley

Sharp		Blunt
17-05803-16	16.5 cm/6½"	17-05804-16

Central blades, only



17-05805-19	17-05805-25	17-05805-32
16x19 mm	16x25 mm	16x32 mm



Weitlaner-Baby

13 cm/5"	17-05808-13
16 cm/6¼"	



Milligan

Sharp	Blunt
17-05811-13	17-05812-13



Cone (Adson-Baby)

Sharp	Blunt
17-05815-13	17-05816-13
17-05815-16	17-05816-16



Weitlaner

	Sharp	Blunt	Sharp	Blunt
20 cm/8"	17-05819-20	17-05820-20	17-05821-25	17-05822-25
25 cm/10"	17-05819-25	17-05820-25		



3x4 Teeth



5x6 Teeth



Adson

	Sharp	Blunt
20 cm/8"	17-05823-20	17-05824-20
26 cm/10¼"	17-05823-26	17-05824-26



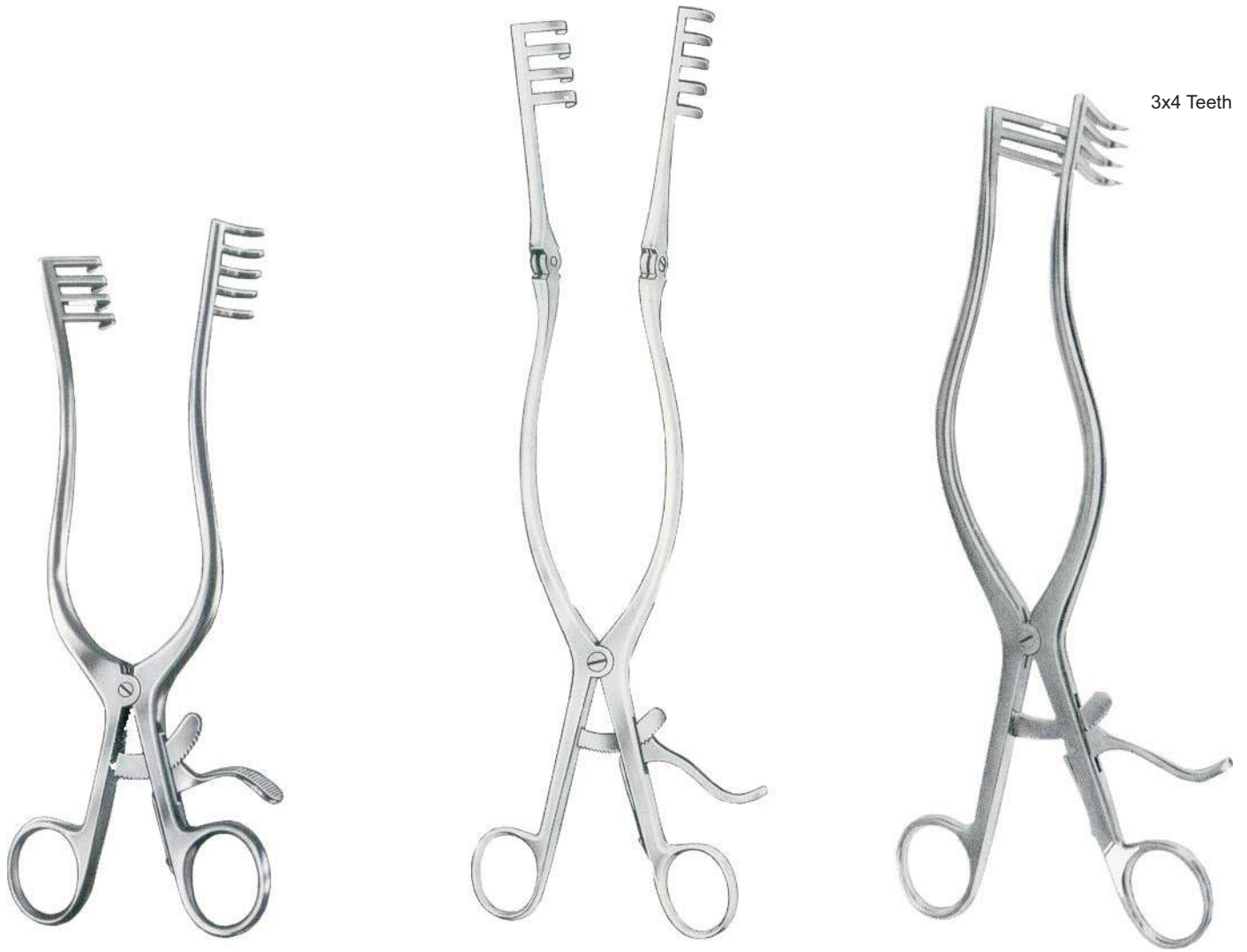
Anderson-Adson

	Sharp	Blunt
20 cm/8"	17-05827-20	17-05828-20



Cone

	Sharp	Blunt
20 cm/8"	17-05831-20	17-05832-20
26 cm/10¼"	17-05831-26	17-05832-26



Travers
17-05836-21
21 cm/8¼"

Jaws Depth

25 mm
44 mm

Beckmann-Adson
31 cm/12¼"

Sharp	Blunt
17-05839-01	17-05840-01
17-05839-02	17-05840-02

Adson
27 cm/10½"

Sharp	Blunt
17-05843-27	17-05844-27

5x6 Teeth



Adson

Sharp 17-05847-27 27cm/10½"
Blunt 17-05848-27



**Beckmann-Adson
(Standard)**

Sharp 17-05851-31 31cm/12¼"
Blunt 17-05852-31



Adson

17-05856-33
33cm/13"

Hemilaminectomy Retractor



17-05861-27
27cm/10½"

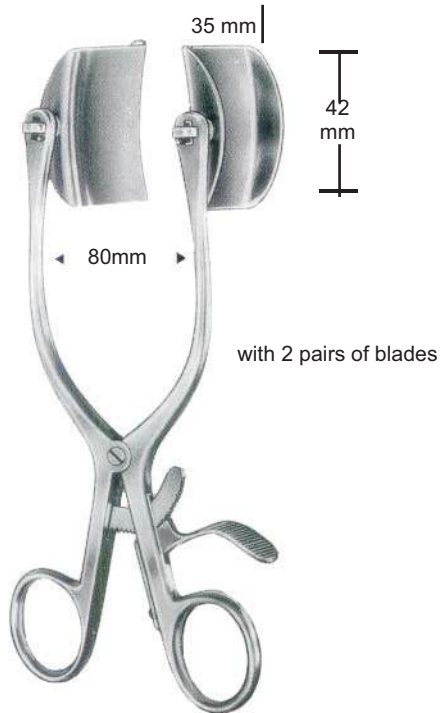


Beckmann-Eaton
17-05864-33
33 cm/13"

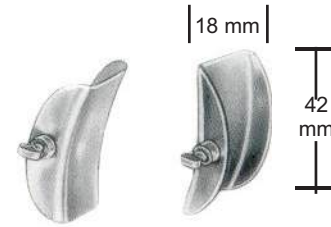
Retractor Only 17-05868-01
Lateral Blades 17-05868-02



Collin
17-05868-00
20cm/8"



Baby-Collin
17-05872-00

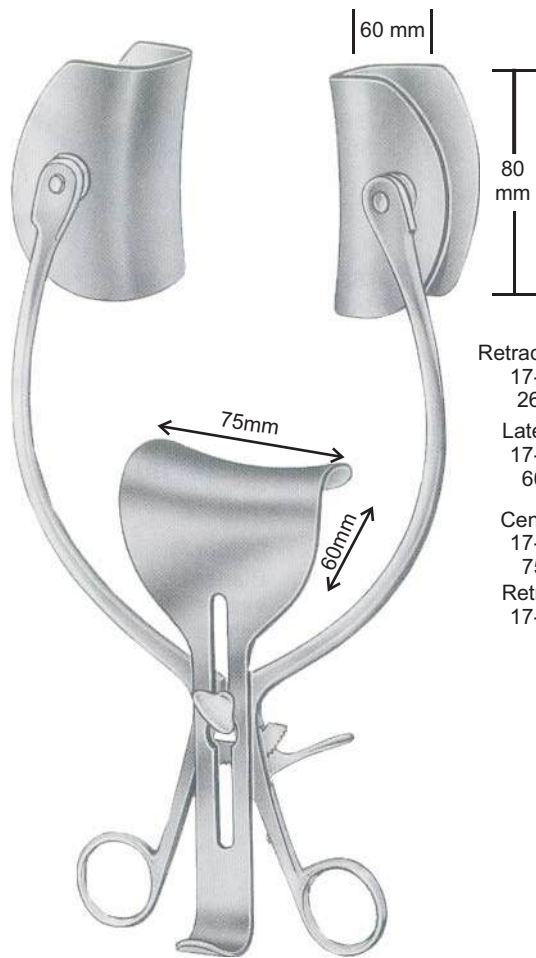


17-05872-01



Collin
20 cm/8"

	Fig. 1	Fig. 2	Fig. 3
Retractors Complete	17-05876-00	17-05878-00	17-05880-00
Retractors Only	17-05876-01	17-05878-01	17-05880-01
Lateral Blades	17-05876-02 38x62 mm	17-05878-02 38x80 mm	17-05880-02 38x100 mm
Central Blades	17-05876-03 55x55 mm		17-05880-03 55x75 mm



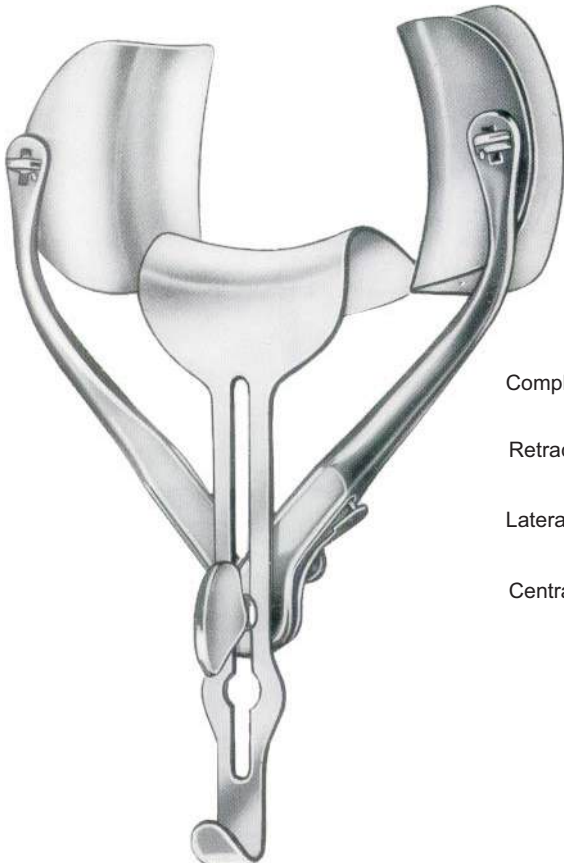
Collin

Retractor Complete
17-05884-00
26cm/10½"
Lateral Blades
17-05884-01
60X80mm
Central Blades
17-05884-02
75X60mm
Retractor Only
17-05884-03



Mayo-Adams
17-05886-01
17cm/6¾"

Mayo-Adams
17-05886-02
17cm/6¾"



Ricard
17-05890-00 28cm/11"
17-05894-00 30cm/12"

	Fig. 1	Fig. 2
Complete	17-05890-00	17-05894-00
Retractors Only	17-05890-01	17-05894-01
Lateral Blades	17-05890-02 60x80 mm	17-05894-02 75x85 mm
Central Only	17-05890-03 53x70 mm	17-05894-03 80x90 mm

Vulval Retractor



Richter
17-05898-16
16.5 cm/6½"



Gelpi
17-05902-09 9 cm/3½"
17-05902-11 11 cm/4½"
17-05902-13 13 cm/5"
17-05902-19 19 cm/7½"



Gelpi
17-05904-19
19 cm/7½"



Meyerding
Fig. 1 17-05908-01
Fig. 2 17-05908-02
Fig. 3 17-05908-03
Fig. 4 17-05908-04
18 cm/7"

Blades

- Fig. 1 1¼"x1"
- Fig. 2 2⅛"x1"
- Fig. 3 2⅜"x1¼"
- Fig. 4 2⅜"x1"



Markham-Meyering

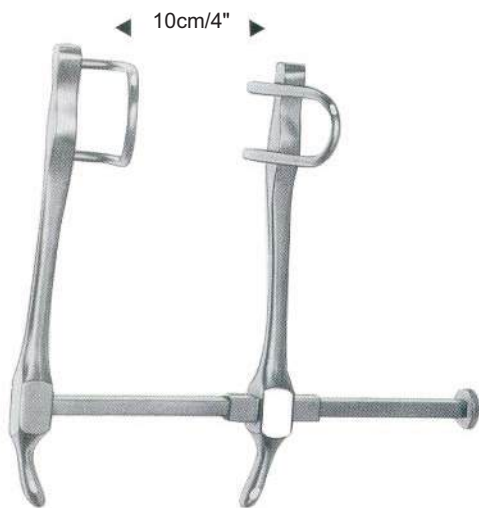
17-05912-18 18cm/7" 17-05914-18

Rigby

17-05918-19
19cm/7½"

De Bakey

17-05922-12 12cm/4¾"
17-05922-17 17cm/6¾"



Gosset
17-05926-00

Fig.1 ◀ 10cm/4" ▶
Fig.2 ◀ 14cm/5½" ▶



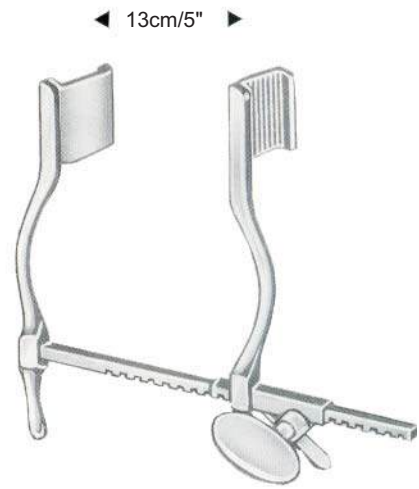
Gosset
Fig.1 17-05928-01
Fig.2 17-05928-02



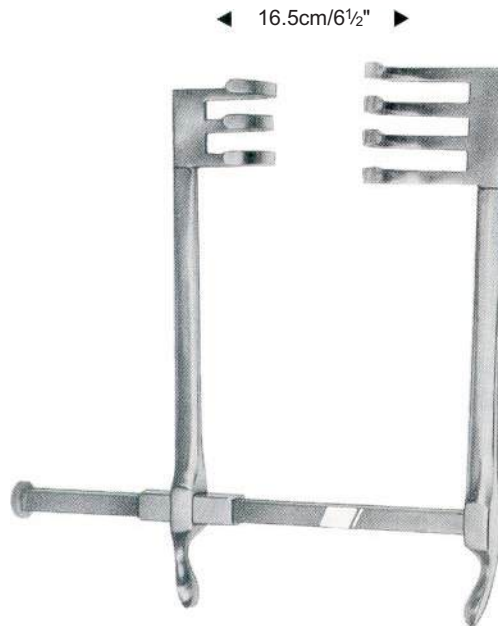
Gosset
17-05932-00

Retractors Only
17-05932-01

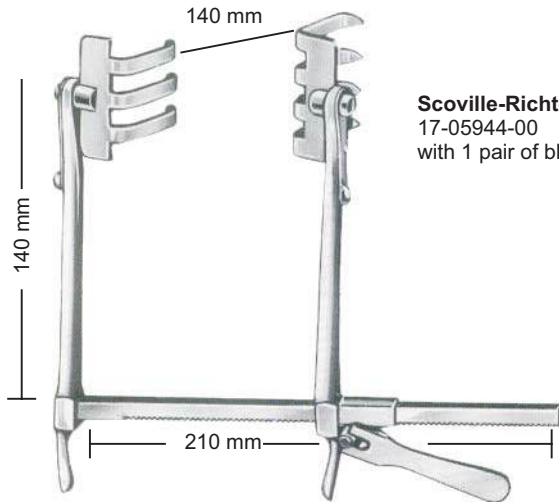
Central Blade
17-05932-02
56X60mm



Hertzler
17-05936-00



Frazier
17-05940-00



Scoville-Richter
17-05944-00
with 1 pair of blades 17-05944-01

the blades are available by pairs



17-05944-01
60x50 mm

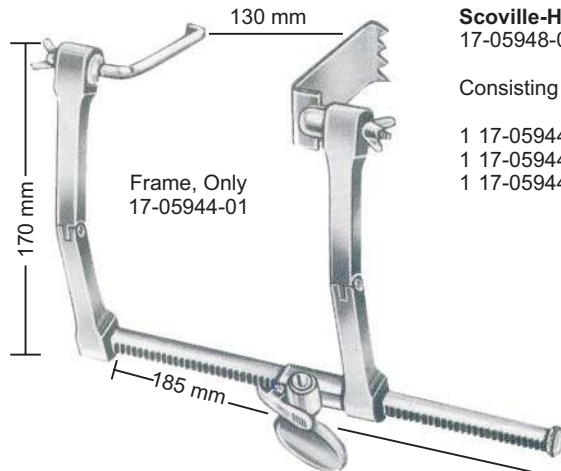
17-05944-02
48x50 mm



17-05944-03
28x40 mm



17-05944-04
38x62 mm



Frame, Only
17-05944-01

Scoville-Haverfield
17-05948-00

Consisting of:

- 1 17-05944-01
- 1 17-05944-02
- 1 17-05944-03



Scoville
17-05948-02
51 mm



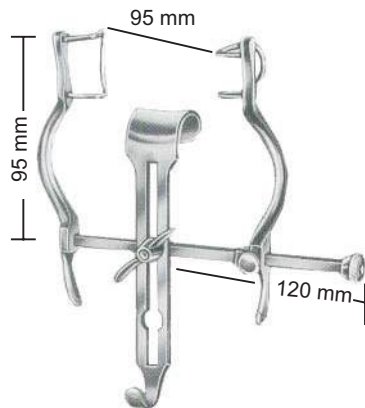
Scoville
17-05948-03 63x25 mm
17-05948-04 63x51 mm
17-05948-05 67x32 mm
17-05948-06 89x25 mm



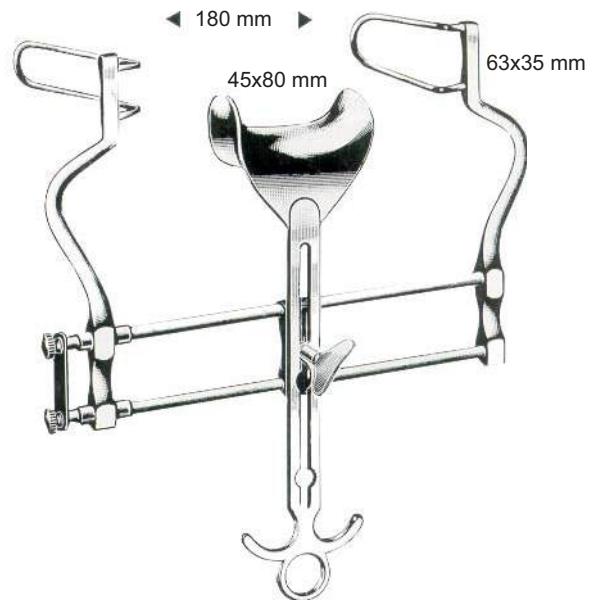
Taylor
17-05948-07
48x38 mm



Taylor
17-05948-08 63x51 mm
17-05948-09 79x57 mm



Baby-Balfour
17-05952-00



Balfour
17-05956-00

Retractor Complete

Retractor Only

Central Blade Only

17-05952-01

17-05952-02

17-05956-01

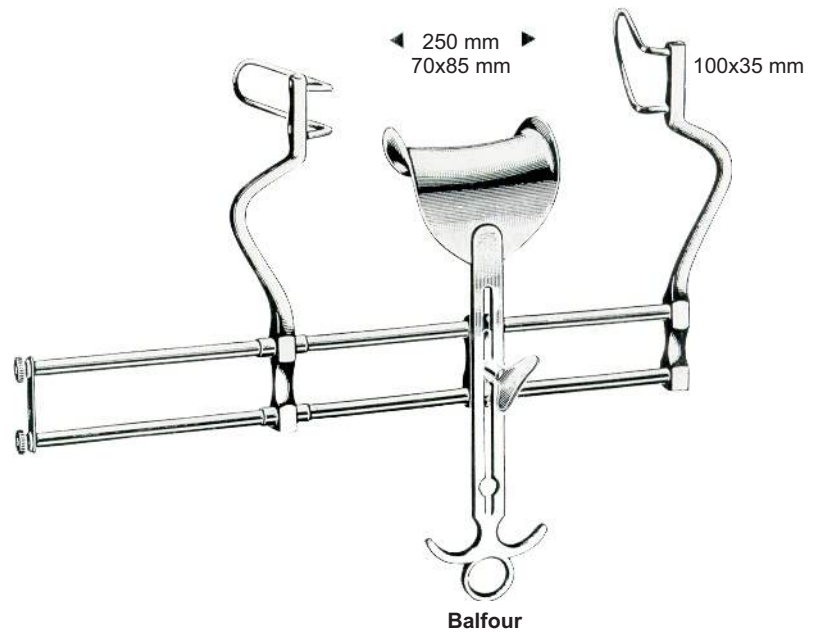
17-05956-02



Retractor Complete
17-05960-00

Retractor Only
17-05960-01

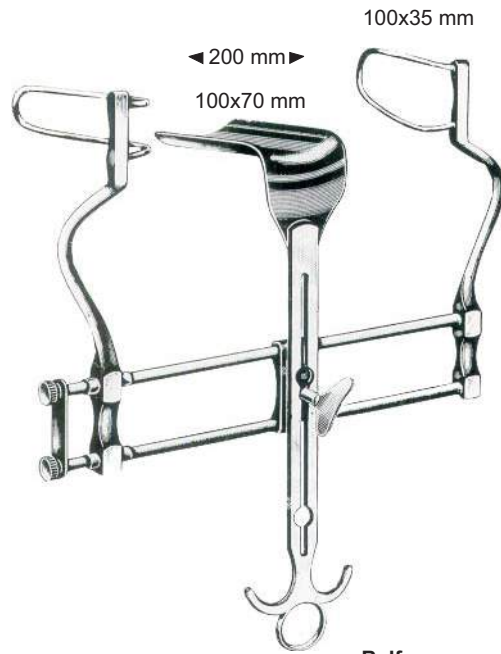
Central Blade Only
17-05960-02



Retractor, Complete
17-05964-00

Retractor Only
17-05964-01

Central Blade Only
17-05964-02



Balfour

- Retractor, complete
17-05968-00

- Retractor, only
17-05968-01

- Central blade, only
17-05968-02

Retractor, complete
17-05972-00

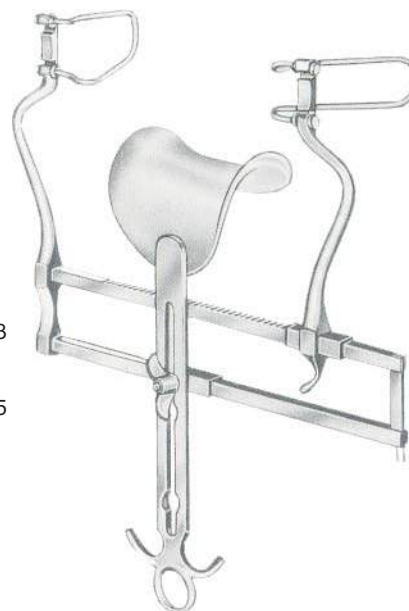
Retractor, only
17-05972-01

Central blade, only
17-05972-02
45x68 mm

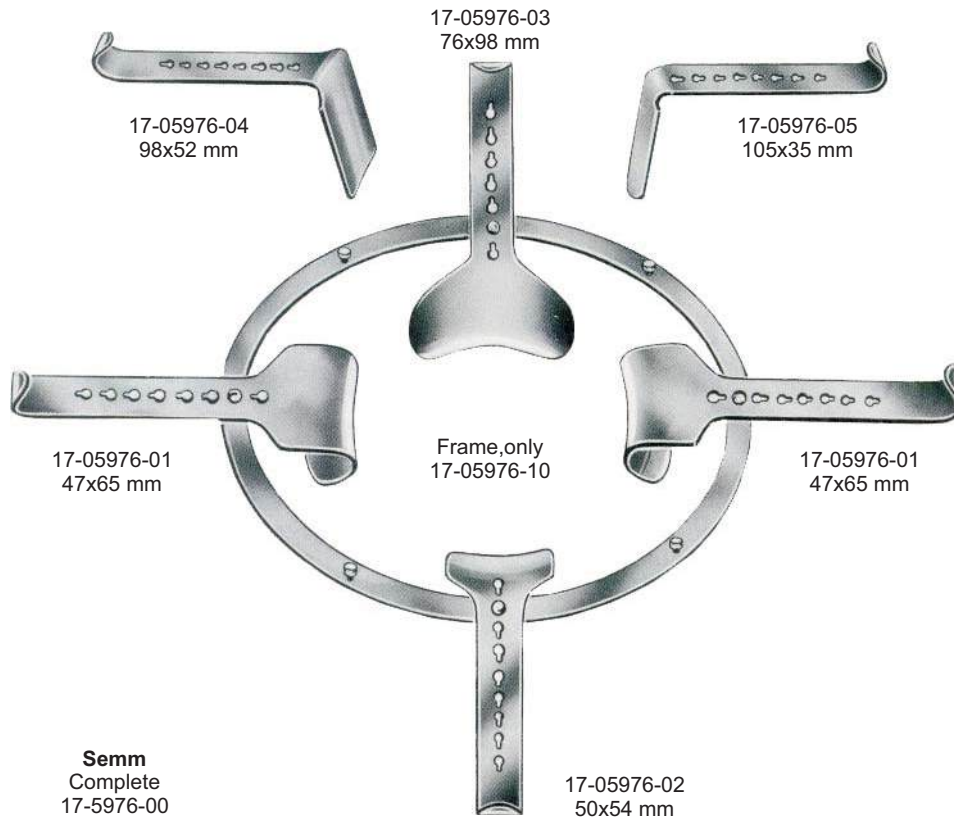
Lateral blades, only
17-05972-04
60 mm

17-05972-03
68x85 mm

17-05972-05
80 mm



Balfour USA-Modell





Frame

17-05988-10 178x140 mm
17-05990-20 255x178 mm



Fig.1 17-05988-01 38x38 mm
Fig.2 17-05988-02 38x25 mm

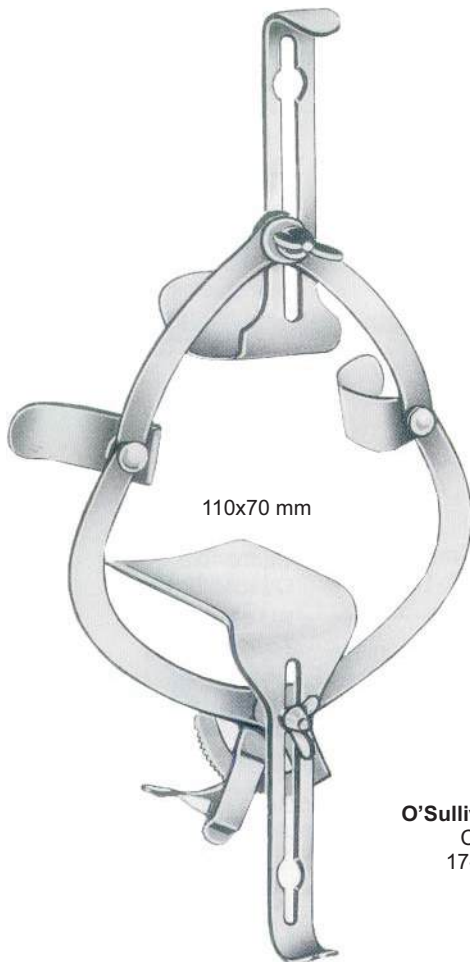
Complete
17-05988-00
17-05990-00

Denis-Brown
Consisting of

1x 17-05988-10
1x 17-05990-20

2x 17-05988-01
2x 17-05988-02

2x 17-05988-02
2x 17-05988-02



110x70 mm

O'Sullivan-O'Connor
Complete
17-05994-00



17-05994-01
80x45 mm



17-05994-02
80x45 mm



17-05994-03
110x70 mm

17-05998-01 38x60 mm
17-05998-02 45x80 mm



17-05998-03 50x65 mm
17-05998-04 60x85 mm

Foldable Frame
17-05998-10

Franz

Complete with 4 valves
17-5998-00

With
con 17-05998-10 1x
17-05998-01 2x
17 05998-03 2x

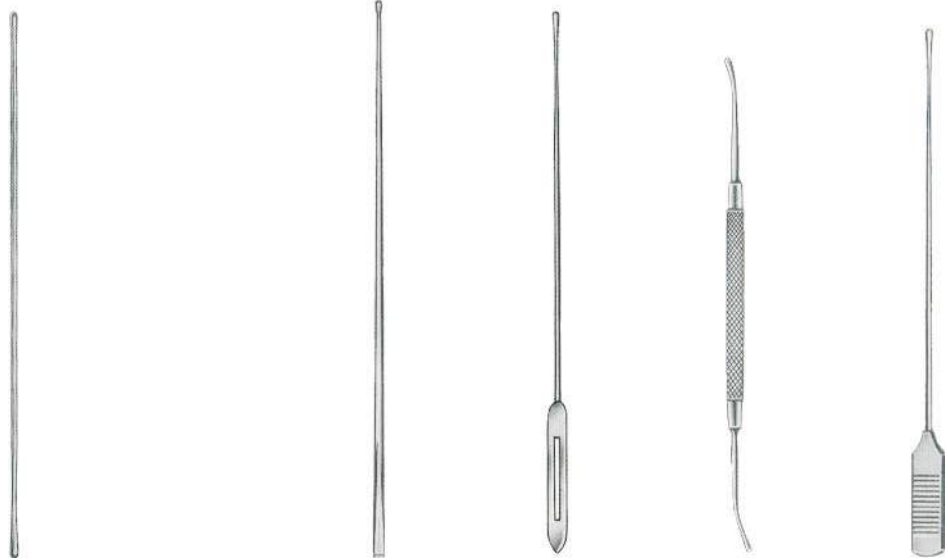
Complete with 8 valves
17-5999-00

With
con 17-05998-10 1x
17-05998-01 2x
17 05998-02 2x
17-05998-03 2x
17-05998-04 2x



17-06002-01 48x90 mm
17-06002-02 48x105 mm
17-06002-03 48x120 mm
17-06002-04 48x135 mm

Doyen
28cm/11"



cm	In	1.0 mmØ	1.5 mmØ	2.0 mmØ	2.0 mmØ	Watson-Cheyne	Fish
11.5	4 1/2"	18-06004-11	18-06006-11	18-06008-11		18-06012-11	
13	5"	18-06004-13	18-06006-13	18-06008-13		18-06012-13	18-06016-13
14.5	5 3/4"	18-06004-14	18-06006-14	18-06008-14	18-06010-14	18-06012-14	18-06020-14
16	6 1/4"	18-06004-16	18-06006-16	18-06008-16	18-06010-16	18-06012-16	
18	7"	18-06004-18	18-06006-18	18-06008-18		18-06012-18	18-06016-18
20	8"	18-06004-20	18-06006-20	18-06008-20		18-06012-20	18-06020-18
25	10"	18-06004-25	18-06006-25	18-06008-25			



cm	In			Nelaton	Stacke 1.0 mm Ø	Brodie
10.5	4 1/4"				18-06036-10	
11.5	4 1/2"	18-06024-11				
13	5"	18-06024-13		18-06028-13	18-06032-13	
14.5	5 3/4"	18-06024-14	18-06025-14	18-06028-14	18-06032-14	
16	6 1/4"	18-06024-16		18-06028-16	18-06032-16	18-06040-16
18	7"	18-06024-18		18-06028-18		
20	8"	18-06024-20			18-06032-20	

Of tin

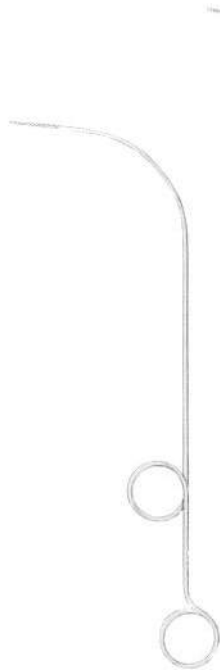


18-06044-25 25 cm/10"
18-06044-30 30 cm/12"
18-06044-40 40 cm/15¾"

Plaster spatulas



18-06048-13 13 cm/5"
18-06048-14 14 cm/5½"



Pelteson
18-06052-23
23 cm/9"



Fein
18-06054-28
28 cm/11"



Buie
18-06058-16
16 cm/6¼"

Fistula probes



Lockhart-Mummary
16.5 cm/6½"



Fig. 1
18-6062-01



Fig. 2
18-6062-02



Fig. 3
18-6062-03



Fig. 4
18-6062-04



Pratt
21 cm/8¼"



18-06070-01



18-06070-02



18-06070-03



Universal

cm	in	1.2 mm Ø	1.5 mm Ø	1.7 mm Ø
12.5	5"	18-06074-12		
16	6¼"	18-06074-16		
18	7"	18-06074-18	18-06075-18	18-06076-18



Uckermann
 18-06078-16
 16 cm/6¼"



Jobson-Horne
 18-06080-13 13 cm/5"
 18-06080-18 18 cm/7"



Round Triangular

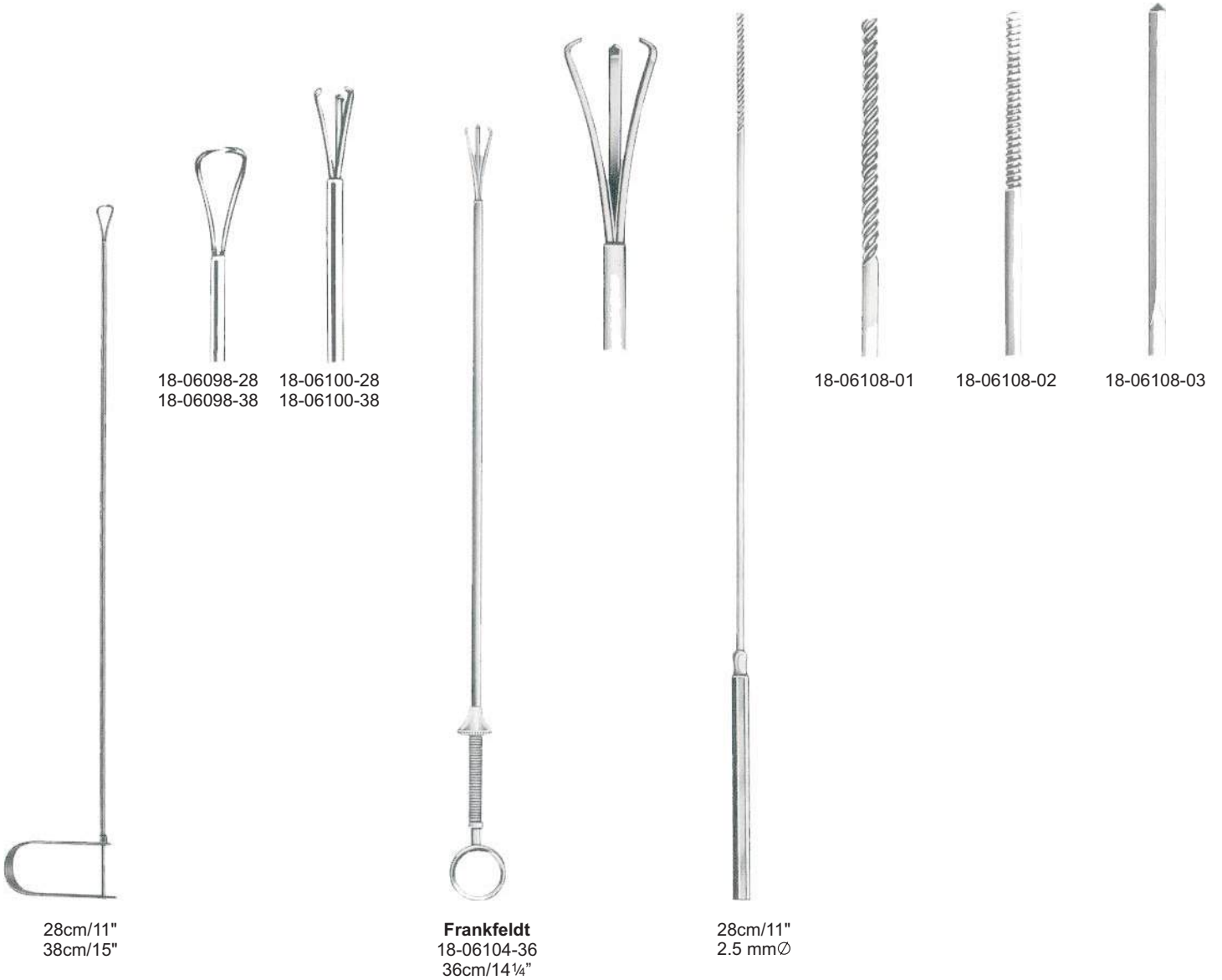
Farrell
 (Farrell-Lathbury)

cm	in	0.9 mm Ø	1.1 mm Ø	1.2 mm Ø	1.5 mm Ø	1.5 mm Ø
12	4¾"			●	▲	
14	5½"	18-06084-14	18-06086-14			
16	6¼"	18-06084-16	18-06086-16			
18	7"					



Round Triangular

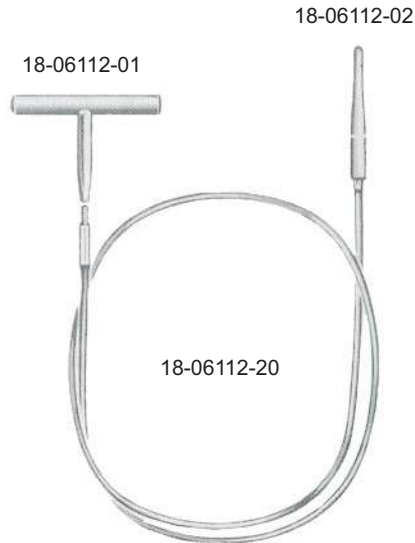
1.2 mm Ø	1.5 mm Ø	1.5 mm Ø
●	●	▲
18-06090-12	18-06092-12	18-06094-12
18-06090-14	18-06092-14	18-06094-14
18-06090-16	18-06092-16	18-06094-16
18-06090-18	18-06092-18	18-06094-18





Nabatoff
18-06112-00
135x100x25 mm

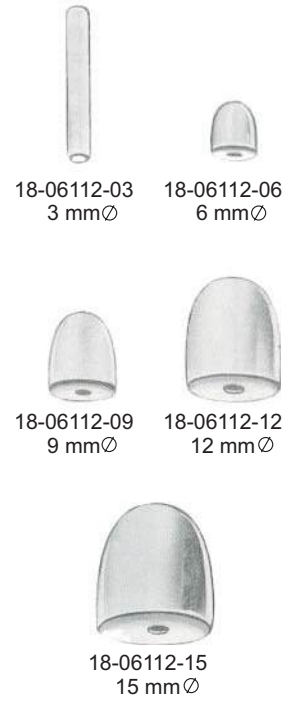
Sterilizable



18-06112-01

18-06112-02

18-06112-20



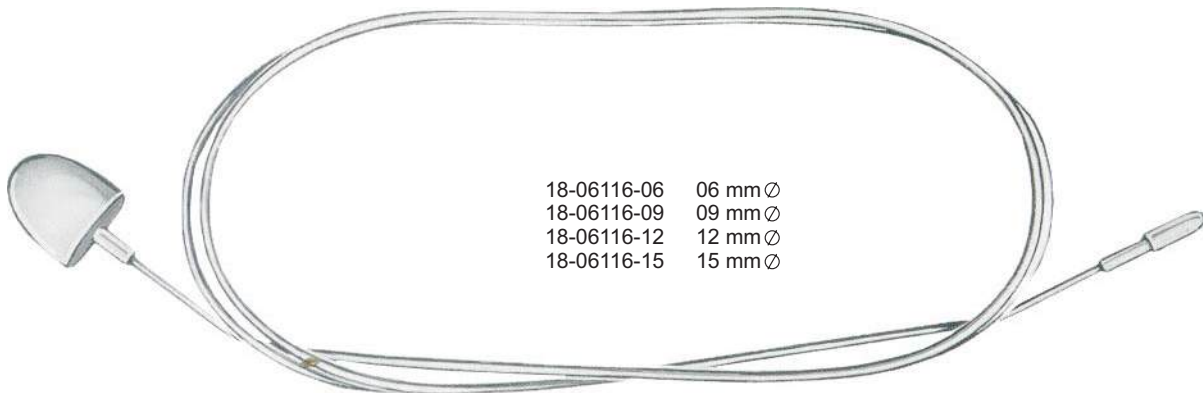
18-06112-03
3 mmØ

18-06112-06
6 mmØ

18-06112-09
9 mmØ

18-06112-12
12 mmØ

18-06112-15
15 mmØ



18-06116-06 06 mm Ø
18-06116-09 09 mm Ø
18-06116-12 12 mm Ø
18-06116-15 15 mm Ø

Myers

Strippers



55cm/21½"

	mm Ø
18-06120-02	2.0
18-06120-03	3.0
18-06120-04	4.0
18-06120-06	6.0
18-06120-07	7.0
18-06120-08	8.5
18-06120-10	10.0
18-06120-12	12.0
18-06120-14	14.0



Handle for
18-06120-00

Probes for Varicose Veins



Malleable

cm	in	
40	13½"	18-06124-40
50	20"	18-06124-50
65	26"	18-06124-65
80	32"	18-06124-80

Babcock

Vessel Irrigating Cannulas



Schimd



18-06128-03
3 mm Ø



18-06128-04
4 mm Ø



18-06128-05
5mmØ



18-06128-06
6mmØ

Spatulas



3 mm
Blunt

18-06132-18 18.0 cm/7"
18-06132-21 21.5 cm/8½"



Schmid



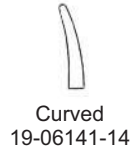
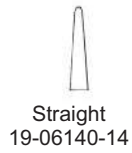
18-06136-14
14 cm/5½"
5 mm



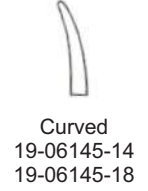
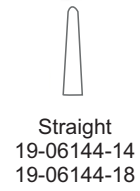
18-06136-24
24 cm/9¼"
7 mm



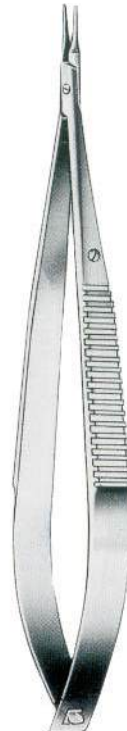
Castroviejo
14cm/5 1/2"



Castroviejo



Castroviejo
9cm/3 1/2"

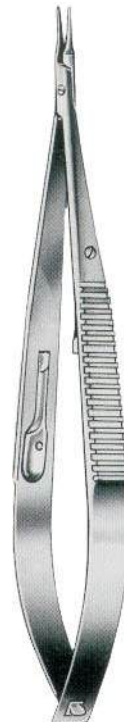


Castroviejo
14cm/5 1/2"

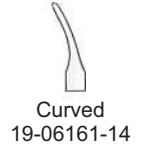




Castroviejo
9 cm/3½"



Castroviejo
14 cm/5½"



Paton
19-06164-11
11.5 cm/4½"



Jacobson

cm	in	Without ratchet	With ratchet
18	7"	19-06168-18	19-06170-18
21	8¼"	19-06168-21	19-06170-21



Straight

19-06174-20 20.0 cm/8"
19-06174-22 22.5 cm/9"



Curved

19-06175-16 16.5 cm/6½"
19-06175-20 20.0 cm/9"
19-06175-22 22.5 cm/9"
19-06175-24 24.5 cm/9¾"



Straight

19-06178-16 16.0 cm/6¼"
19-06178-18 18.5 cm/7¼"



Curved

19-06179-16 16.0 cm/6¼"
19-06179-18 18.5 cm/7¼"

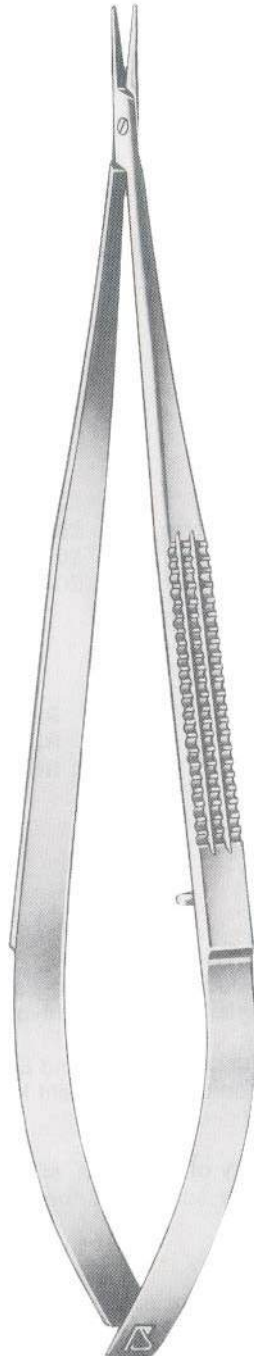
Yasargil



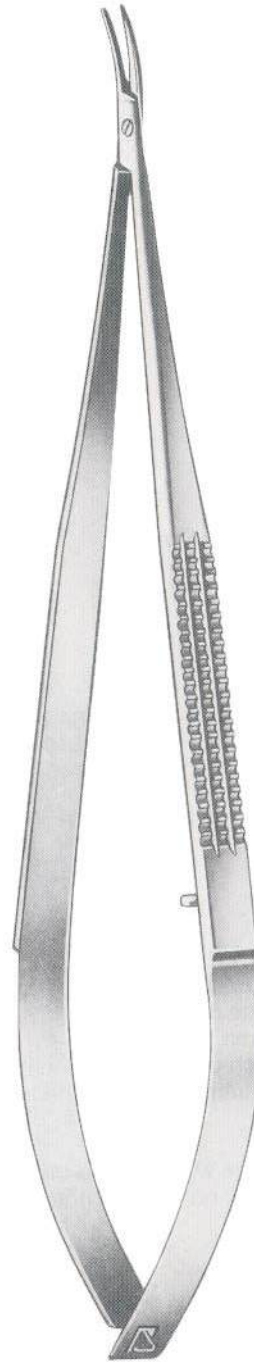
Straight
19-06182-15
15 cm/6"



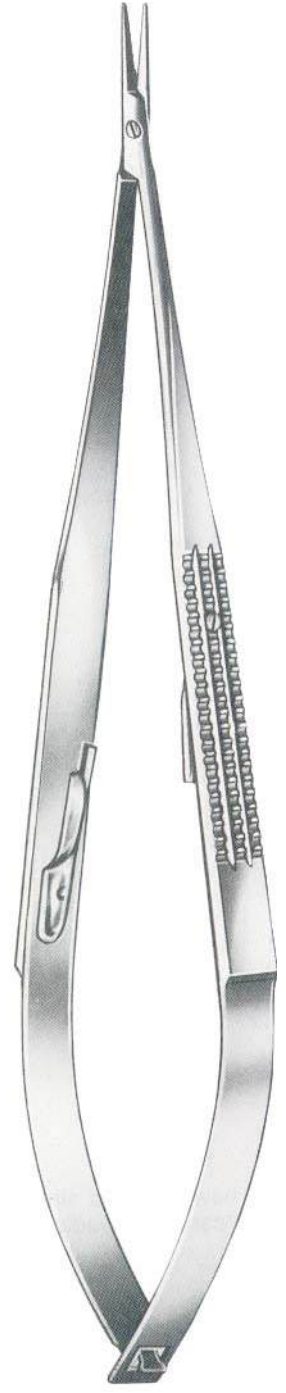
Curved
19-06183-15
15 cm/6"



Straight
19-06186-18
18 cm/7"

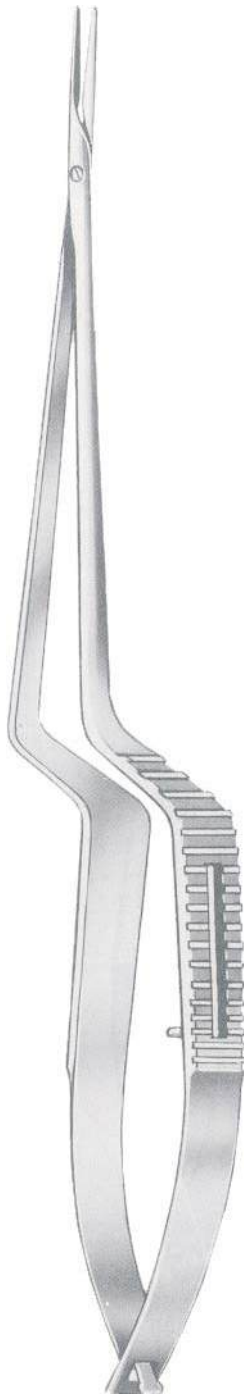


Curved
19-06187-18
18 cm/7"



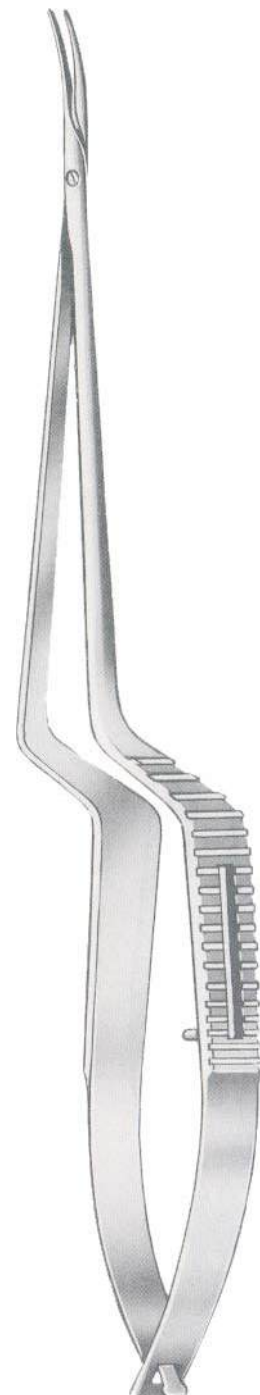
Straight
19-06190-18
18 cm/7"

Straight



19-06194-18
19-06194-22

Curved



19-06195-18
19-06195-22

Yasargil
18.0 cm/7"
22.5 cm/8¾"



Straight
19-06198-15
15 cm/6"



Curved
19-06199-15
15 cm/6"



Straight
19-06206-15
15 cm/6"



Curved
19-06207-15
15 cm/6"



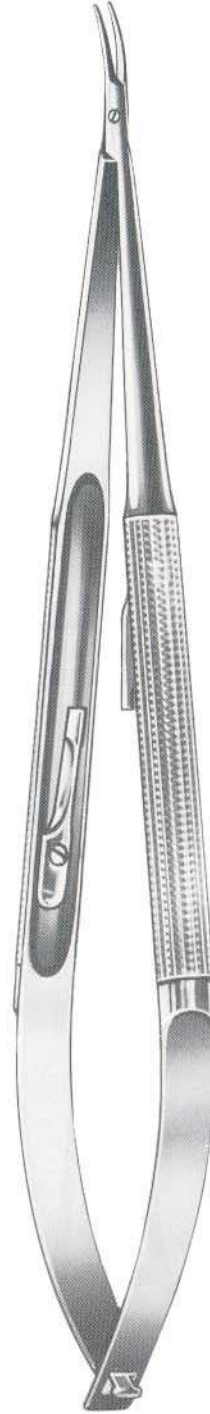
Straight
19-06210-18
18.5 cm/7¼"



Curved
19-06211-18
18.5 cm/7¼"



Straight
19-06214-18
18.5 cm/7¼"

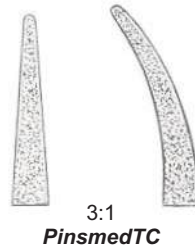


Curved
19-06215-18
18.5 cm/7¼"



23 cm/9"





Straight



Curved

19-06222-18 18 cm/7"
19-06222-21 21 cm/8¼"
19-06222-23 23 cm/9¼"

With ratchet

19-06223-18 18 cm/7"
19-06223-21 21 cm/8¼"
19-06223-23 23 cm/9¼"

Without ratchet

The new modified structure of a Mouth aires the possibility of the smooth , slide surface of the suture material.
The "careful" Needleholder does not cause notches on the surface of the needles. The needle would not loose her gliding ability.



Straight
19-06226-12
12 cm/4¾"



Curved
19-06227-12
12 cm/4¾"



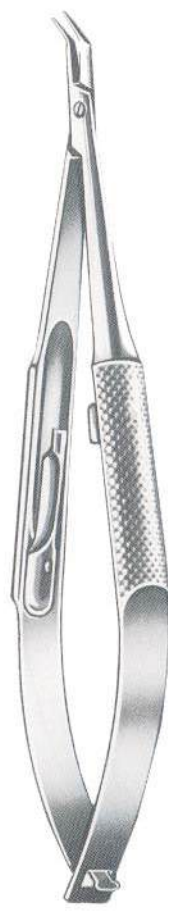
Angled
19-06229-12
12 cm/4¾"



Straight
19-06232-12
12 cm/4¾"



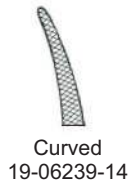
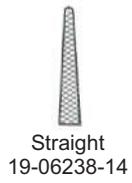
Curved
19-06233-12
12 cm/4¾"



Angled
19-06235-12
12 cm/4¾"



Arruga
14 cm/5½"



Stevens
19-06242-13 13 cm/5"
19-06242-15 15 cm/6"



Kalt
19-06246-14
14 cm/5½"



Castroviejo-Kalt
19-06248-13
13.5 cm/5¼"



Kalt-Arruga
19-06250-14
14 cm/5½"



Castroviejo
12cm/4 $\frac{3}{4}$ "



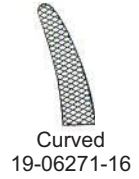
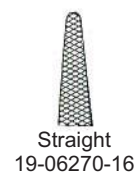
Castroviejo
12cm/4 $\frac{3}{4}$ "



Castroviejo
19-06262-13
13cm/5"



Boynton
19-06266-12
12cm/4 $\frac{3}{4}$ "



Arruga
16cm/6 $\frac{1}{4}$ "



Castroviejo

14cm/5½"
18cm/7"
21cm/8¼"

PinsmedTC

Smooth



19-06274-14
19-06274-18
19-06274-21



19-06278-14
19-06278-18
19-06278-21



14cm/5½"
18cm/7"
21cm/8¼"

19-06275-14
19-06275-18
19-06275-21



19-06279-14
19-06279-18
19-06279-21



Kalt
14cm/5½"



19-06282-14



19-06284-14



Barraquer
19-06288-14
14cm/5½"



Castroviejo
19-06292-13
13cm/5"



19-06296-18



19-06298-18
Smooth

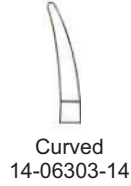


Hepp-Schiedel
18cm/7"

PinsmedTC



Arruga
14cm/5½"



Jacobson
19-06306-18 18cm/7"
19-06306-20 20cm/8"
19-06306-23 23cm/8¾"



Diethrich

Straight		Curved
19-06310-16	16cm/6¼"	19-06311-16
19-06310-18	18cm/7"	19-06311-18
19-06310-20	20cm/8"	19-06311-20
19-06310-23	23cm/9"	19-06311-23
19-06310-25	25cm/10"	19-06311-25



19-06314-13

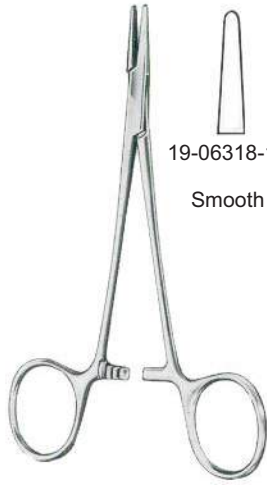


19-06315-13

Smooth



Halsey
13cm/5"



Webster
13cm/5"



19-06318-13

Smooth



Derf
19-06322-12
12cm/4¾"



Derf
19-06324-12
12.5cm/5"



Collier
19-06326-12
12.5cm/5"



Hegar-Baumgartner
19-06330-14
14cm/5½"



Brown
19-06334-13 13cm/5"
19-06334-18 18cm/7"



New Orleans
19-06338-18
18cm/7"





Mayo-Hegar

13cm/5"	19-06342-13	
14cm/5½"	19-06342-14	
16cm/6¼"	19-06342-16	19-06343-16
18cm/7"	19-06342-18	19-06343-18
20cm/8"	19-06342-20	19-06343-20
24cm/9½"	19-06342-24	19-06343-24
26cm/10¼"	19-06342-26	19-06343-26
30cm/12"	19-06342-30	19-06343-30



Heaney
19-06347-21
21cm/8¼"

Delicate Pattern



Mayo-Hegar
19-06350-16 16cm/6¼"
19-06350-18 18cm/7"
19-06350-20 20cm/8"

Heavy Pattern



Hegar
19-6354-16 16cm/6¼"
19-6354-18 18cm/7"
19-6354-20 20cm/8"



M.G.H.
(Mass.-General-Hospital)
19-06358-17
17 cm/6¾"



Sarat
19-06362-18 18.5 cm/7¼"
19-06362-26 26.0 cm/10¼"



Finocchietto
19-06365-27
27 cm/10½"



Masson
19-06368-27
27 cm/10½"



Jameson
19-06372-23
23.5 cm/9¼"



Wangensteen
19-06376-27
27 cm/10½"



Crile-Wood
19-06380-15
15 cm/6"



Crile-Murray
19-06384-15
15 cm/6"



Adson
19-06388-18
18 cm/7"



Ermold
19-06392-17 17 cm/6¾"
19-06392-20 20 cm/8"

Needle holders with scissors



Baby-Olsen-Hegar
11.5 cm/4½"



Smooth
19-06396-11



Olsen-Hegar
19-06398-14 14 cm/5½"
19-06398-18 18 cm/7"



Olsen-Hegar
19-06400-17
17 cm/6¾"



Olsen-Hegar
19-06404-14
14 cm/5½"



Gillies
19-06406-16
16 cm/6¼"



Gillies Slim
19-06408-14
14 cm/5½"



Crile
19-06412-15
15 cm/6"



Axhausen
19-06416-18
18.5 cm/7¼"



Lichtenberg
19-06420-20
20 cm/8"



Toennis
19-06424-18
18 cm/7"



Mathieu



19-06428-14 14 cm/5½"
19-06428-17 17 cm/6¾"
19-06428-20 20 cm/8"



19-06430-14
19-06430-17
19-06430-20



Mathieu

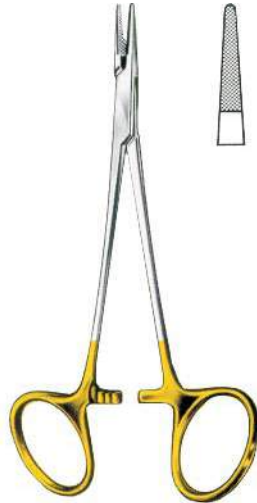
19-06434-14 14 cm/5½"
19-06434-17 17 cm/6¾"
19-06434-20 20 cm/8"

Two rings angled

PinsmedTC



Neivert
19-06438-13
13 cm/5"



Neivert
19-06440-13
13 cm/5"



Webster
19-06444-13
13 cm/5"

Smooth



Derf
19-06448-12
12.5 cm/5"



New Orleans
19-06452-18
18 cm/7"



Bozemann
19-06456-20 20 cm/8"
19-06452-24 24 cm/9½"
19-06452-26 26 cm/10½"

PinsmedTC



19-06460-16
19-06460-18
19-06460-20
19-06460-24
19-06460-26
19-06460-30

19-06461-20
19-06461-24
19-06461-26

16cm/6¼"
18cm/7"
20cm/8"
24cm/9½"
26cm/10½"
30cm/12"



Mayo-Hegar



Hegar-Baumgartner
19-06464-14
14cm/5½"



Heavy Pattern

Mayo-Hegar
19-06470-20 20cm/8"
19-06470-24 24cm/9½"



De Bakley
19-06474-18
19-06474-20
19-06474-23
19-06474-26
19-06474-31

18cm/7"
20cm/8"
23cm/9"
26cm/10¼"
31cm/12¼"

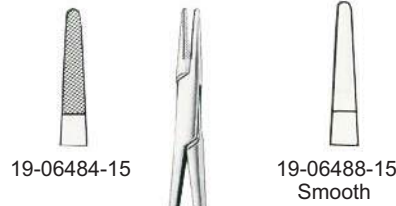


De Bakley-Fine
19-06476-18
19-06476-20
19-06476-23
19-06476-26
19-06476-31

PinsmedTC



Baby-Crile-Wood
19-06480-15
15cm/6"



19-06484-15

19-06488-15
Smooth

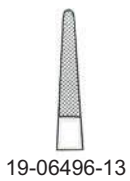


Crile-Wood
15cm/6"

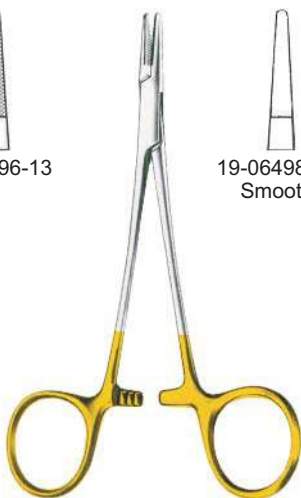


Crile-Wood

	cm	in
19-06492-18	18	7"
19-06492-20	20	8"
19-06492-23	23	9"
19-06492-26	26	10¼"
19-06492-31	31	12¼"



19-06496-13



Halsey
13cm/5"



19-06498-13
Smooth



Converse
19-06502-12
12.5cm/5"



Kilner
19-06506-13
13.5cm/5¼"

PinsmedTC



Hegar-Vascular
19-06510-14 14cm/5½"
19-06510-18 18cm/7"
19-06510-20 20cm/8"
19-06510-23 23cm/9"



Ryder
19-06514-13
19-06514-15
19-06514-18
19-06514-20
19-06514-23
19-06514-26



Micro-Ryder
19-06516-13 13cm/5"
19-06516-15 15cm/6"
19-06516-18 18cm/7"
19-06516-20 20cm/8"
19-06516-23 23cm/9"
19-06516-26 26cm/10¼"

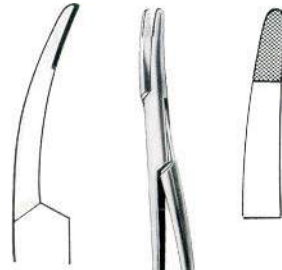


(Swedish Pattern)
19-06520-15 15cm/6"
19-06520-17 17cm/6¾"
19-06520-20 20cm/8"



Sarot
19-06524-18 18cm/7"
19-06524-26 26cm/10¼"

PinsmedTC



Stratte
19-06528-23
23cm/9"



Masson
19-06532-27
27cm/10½"



Wangensteen
19-06534-27
27cm/10½"



Finocchietto
19-06537-20 20cm/8"
19-06537-27 27cm/10½"

PinsmedTC



Mathieu

14cm/5½"	19-06540-14
17cm/6¾"	19-06540-17
20cm/8"	19-06540-20
24cm/9½"	19-06540-24



Mathieu

19-06542-14
19-06542-17
19-06542-20
19-06542-24



Mathieu-Ryder

19-06544-17
19-06544-20



Langenbeck

16cm/6¼"	19-06548-16
18cm/7"	19-06548-18
20cm/8"	19-06548-20



Langenbeck-Ryder

19-06550-18
19-06550-20



Lichtenberg

19-06554-20

PinsmedTC



Toennis
19-06558-18
18 cm/7"



Mathieu-Kocher
19-06562-14 14 cm/5½"
19-06562-17 17 cm/6¾"
19-06562-20 20 cm/8"



Axhausen
19-06566-18
18.5 cm/7¼"



Zweifel
19-06570-20 20 cm/8"
19-06570-23 23 cm/9"

PinsmedTC



19-06574-20 20 cm/8"
19-06574-25 25 cm/10"



Mathieu
19-06578-20 20 cm/8"
19-06578-24 24 cm/9½"



Metzenbaum
19-06582-17 17 cm/6¾"
19-06582-20 20 cm/8"



Arruga
16 cm/6¼"



Boynton
19-06590-12 12 cm/4¾"



Hosel
19-06594-20 20 cm/8"
19-06594-25 25 cm/10"

PinsmedTC



Baby-Olsen-Hegar
19-06598-11
11.5 cm/4½"



Olsen-Hegar
19-06600-14
14 cm/5½"



Olsen-Hegar
19-06602-17
17 cm/6¾"



Olsen-Hegar
19-06604-18
18 cm/7"



Gillies-Slim
19-06607-14
14.5 cm/5½"



Gillies
19-06609-16
16 cm/6¼"

Left



20 cm/8"



19-06612-01



Blunt



19-06612-02



19-06617-01



Sharp



19-06617-02

Deschamps-Standard

Right



20 cm/8"



20 cm/8"



19-06622-01



Blunt



19-06622-02



19-06627-01



Sharp



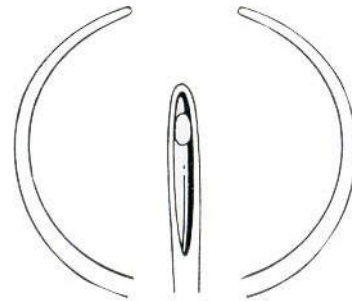
19-06627-02

Deschamps



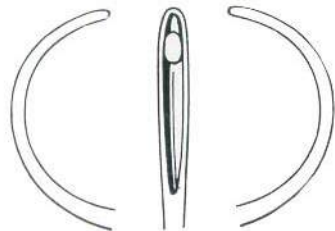
20 cm/8"

Left Right

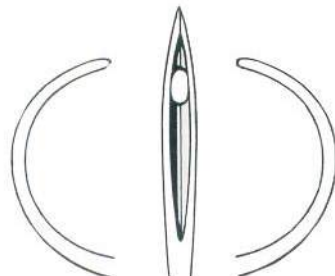


Left

Right



19-06632-01 Blunt 19-06632-02



19-06637-01 Sharp 19-06637-02

21cm/8¼"

Deschamps

21 cm/8¼"



Deschamps

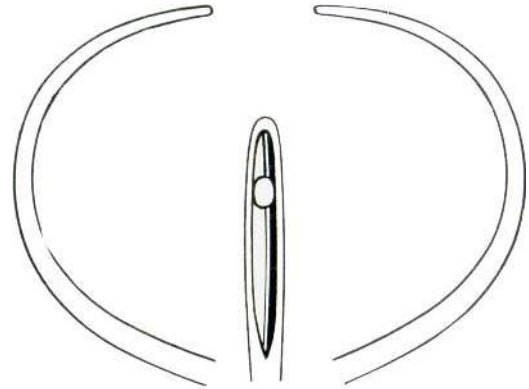
24 cm/9½"

19-06642-01

19-06642-02

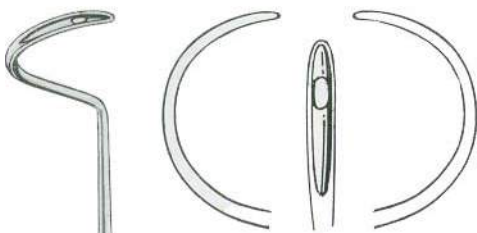
Left

Right



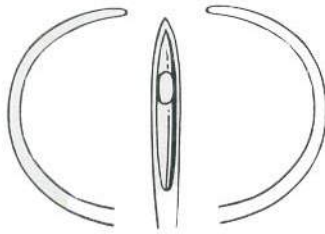
Left

Right



Blunt

19-06648-01 19-06648-02



Sharp

19-06653-01 19-06653-02



27 cm/10 1/2"

Deschamps



27 cm/10 1/2"



Deschamps
19-06658-01 28 cm/11" 19-06658-02



Kocher
19 cm/7½"

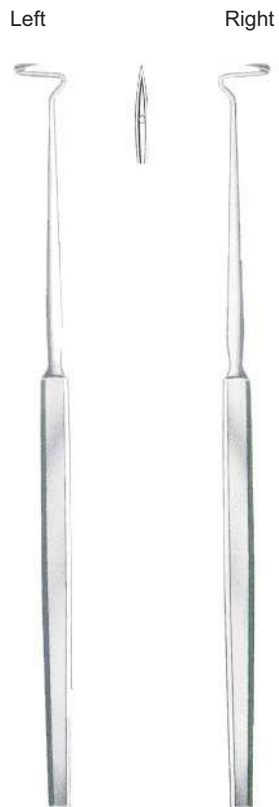
19-06664-01

19-06664-02

19-06664-03



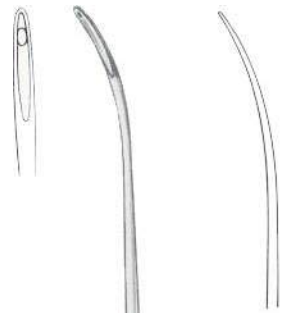
Kronecker
19-06672-01 13 cm/5" 19-06672-02



Dupuy-Weiss
19-06677-01 22 cm/8¾" 19-06677-02



Durham
19-06685-01 21 cm/8¼" 19-06685-02



Flexible



Schmieden-Dick
19-06690-32
32 cm/12½"



Schmieden
19-06694-21
21 cm/8¼"



Flexible



Cooper
19-06702-19
19 cm/7½"



With 1 needle

Young

19-06705-21 21 cm/8¼"
19-06707-25 25 cm/10"



19-06705-01



19-06705-02



19-06705-03

Spare needle only



Reverdin
14 cm/5½"



Fig. 1
19-06711-01



Fig. 2
19-06711-02



Fig. 3
19-06711-03



Fig. 4
19-06711-04



Reverdin
19.5 cm/7¾"



Fig. 1
19-06715-01



Fig. 2
19-06715-02



Fig. 3
19-06715-03



Fig. 4
19-06715-04



Reverdin
22.5 cm/8¾"



Fig. 1
19-06717-01



Fig. 2
19-06717-02



Fig. 3
19-06717-03



Fig. 4
19-06717-04



Brunner
19-06720-25
25 cm/10"



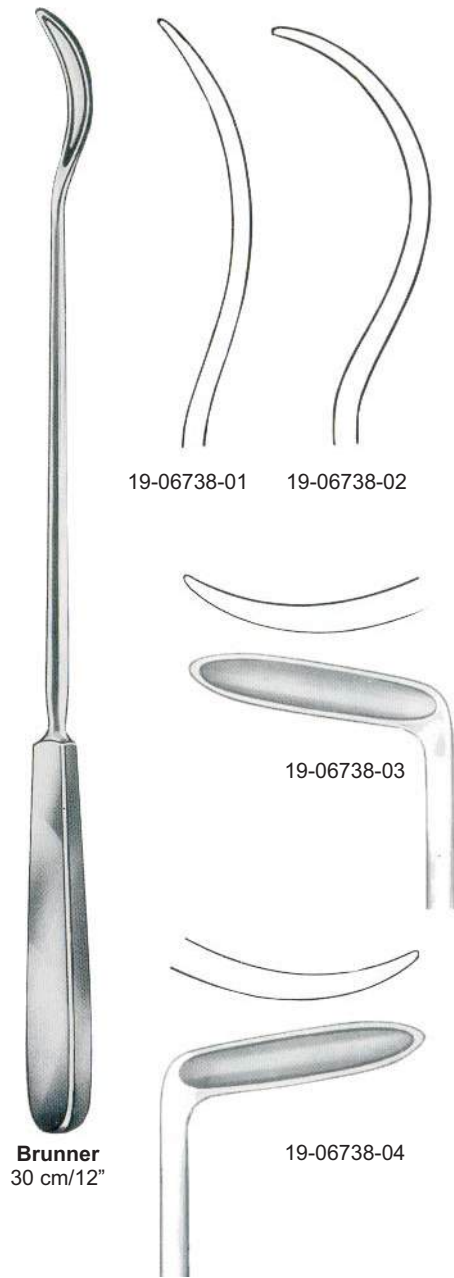
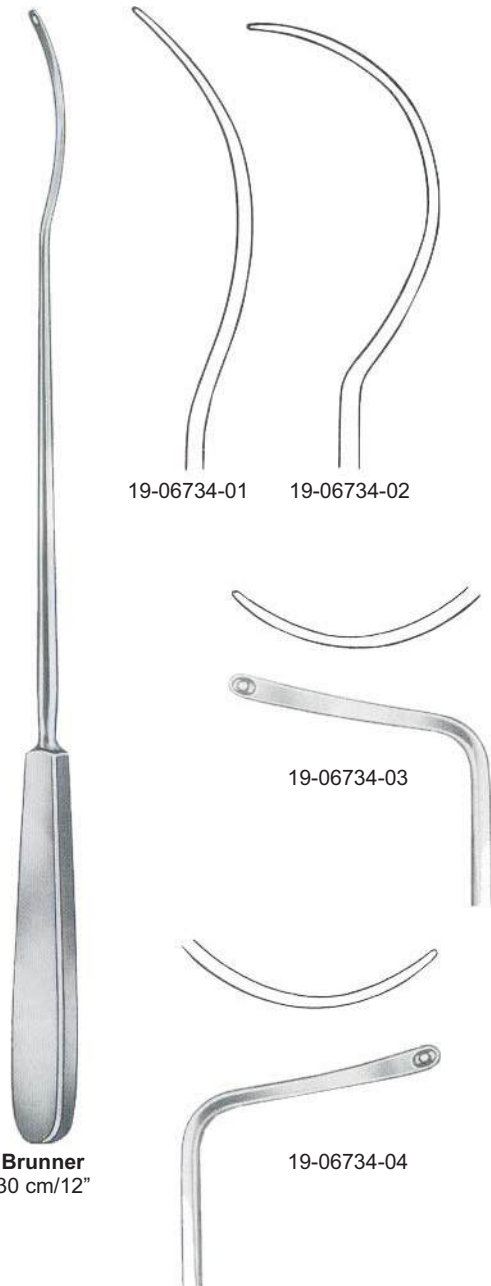
Payr
19-06724-22
22 cm/8¾"



Payr
19-06726-22
22 cm/8¾"

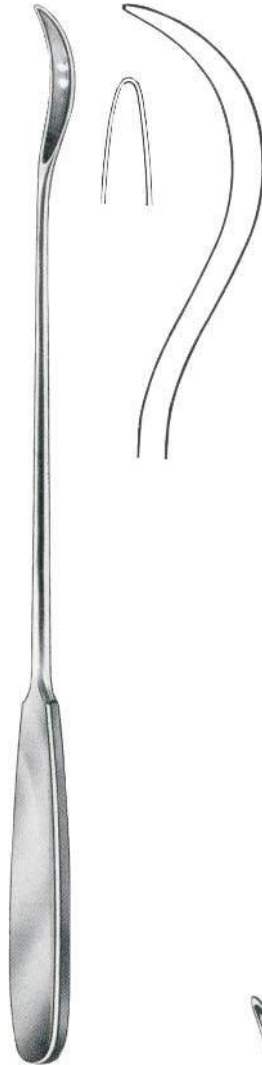


Brunner
19-06730-24
24.5 cm/9¾"





Kirschner
19-06742-25
25.5 cm/10"



Brunner-Ferrozell
19-06750-18 18 cm/7"
19-06750-27 27 cm/10½"



Schmieden-Payr
19-06754-19
19 cm/7½"



Schmieden
19-06756-19
19 cm/7½"



Konig
19-06760-19
19.5 cm/7¾"



Konig
19-06762-19
19.5 cm/7¾"



Konig
19-06764-20
20 cm/8"



Wien
19-06768-23
23.5 cm/9¼"



Bozemann
19-06772-21
21 cm/8¼"



19-06776-23
23 cm/9"



Micheal
19-06780-12
12 cm/4¾"



Micheal
19-06782-12
12 cm/4¾"



Wachenfeldt
19-06786-12
12 cm/4¾"



Wachenfeldt
19-06788-12
12 cm/4¾"



Wachenfeldt
19-06790-13
13 cm/5"



Wachenfeldt
19-06792-13
13 cm/5"



Michel
19-06796-12
12 cm/4¾"



Michel Modif
19-06798-12
12.5 cm/5"



Collin
19-06802-13
13 cm/5"



Richter-Heath
19-06806-14
14 cm/5½"



Child
19-06810-17
17 cm/6¾"



Child
19-06812-17
17 cm/6¾"



Hopkins
20-06816-20
20 cm/8"



Esmarch
20-06820-18
18 cm/7"



Reiner
20-06824-18
18.5 cm/7¼"

Plaster Saw



Engel
20-06828-14
14cm/5½"



Henning
20-06832-28
28 cm/11"



Beeson
20-06836-30
30 cm/12"



Haglund-Stille
20-06840-28
28 cm/11"



Mod. USA
20-06844-23
23 cm/9"



Wolff
20-06848-18 18 cm/7"
20-06848-24 24 cm/9½"



Stille
20-06852-24
24 cm/9½"



Stille
20-06856-23 23 cm/9"
20-06856-26 26 cm/10¼"
20-06856-37 37 cm/14½"



mm	Partsch	
02	21-06860-02	21-06862-02
03	21-06860-03	21-06862-03
04	21-06860-04	21-06862-04
05	21-06860-05	21-06862-05
06	21-06860-06	21-06862-06
07	21-06860-07	21-06862-07
08	21-06860-08	21-06862-08
	13.5 cm/5¼"	17 cm/6¾"

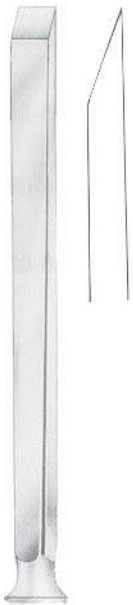


mm	Partsch	
02	21-06866-02	21-06868-04
03	21-06866-03	21-06868-06
04	21-06866-04	21-06868-08
05	21-06866-05	21-06868-10
06	21-06866-06	21-06868-12
07	21-06866-07	21-06868-14
08	21-06866-08	21-06868-16
	13.5 cm/5¼"	17 cm/6¾"

Width



mm	Width		
04	21-06870-04	21-06872-04	21-06874-04
06	21-06870-06	21-06872-06	21-06874-06
08	21-06870-08	21-06872-08	21-06874-08
10	21-06870-10	21-06872-10	21-06874-10
12	21-06870-12	21-06872-12	21-06874-12
14	21-06870-14	21-06872-14	21-06874-14
16	21-06870-16	21-06872-16	21-06874-16
	13.5 cm/5¼"		



mm	Mod. USA	
06	21-06878-06	21-06880-06
12	21-06878-12	21-06880-12
18	21-06878-18	21-06880-18
		16 cm/6¼"



21-06882-06
21-06882-12
21-06882-18



16 cm/6¼"

- 21-06886-03
3mm
- 21-06886-05
5mm
- 21-06886-07
7mm
- 21-06886-09
9mm

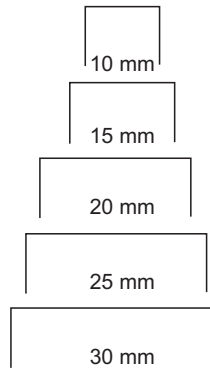


Passow
12 cm/4¾"

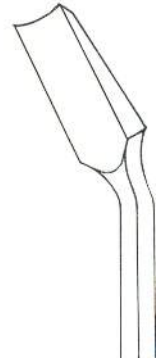
- 21-06890-02
2.5mm
- 21-06890-03
3.5mm



Lexer
27.5 cm/10¾"



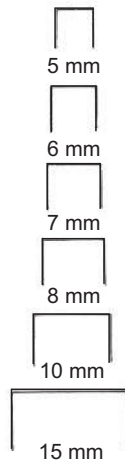
- 21-06893-10
- 21-06893-15
- 21-06893-20
- 21-06893-25
- 21-06893-30



- 21-06895-10
- 21-06895-15
- 21-06895-20
- 21-06895-25
- 21-06895-30



Cloward
24 cm/9½"



- 21-06898-05
- 21-06898-06
- 21-06898-07
- 21-06898-08
- 21-06898-10
- 21-06898-15



- 21-06900-05
- 21-06900-06
- 21-06900-07
- 21-06900-08
- 21-06900-10
- 21-06900-15



Alexander
18 cm/7"

	mm
21-06904-04	04
21-06904-06	06
21-06904-08	08
21-06904-10	10
21-06904-12	12
21-06904-14	14



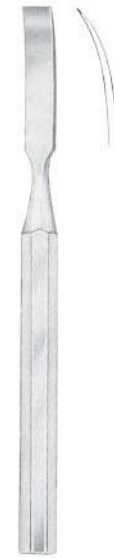
21-06906-04
21-06906-06
21-06906-08
21-06906-10
21-06906-12
21-06906-14



Hoke

14 cm/5½"

	mm
21-06910-02	2
21-06910-03	3
21-06910-04	4
21-06910-05	5
21-06910-06	6
21-06910-07	7
21-06910-08	8



21-06911-02
21-06911-03
21-06911-04
21-06911-05
21-06911-06
21-06911-07
21-06911-08



Smith-Petersen
20 cm/8"



mm				
06	21-06914-06	21-06915-06	21-06918-06	21-06919-06
09	21-06914-09	21-06915-09	21-06918-09	21-06919-09
13	21-06914-13	21-06915-13		
14			21-06918-14	21-06919-14
16	21-06914-16	21-06915-16	21-06918-16	21-06919-16
19	21-06914-19	21-06915-19	21-06918-19	21-06919-19
25	21-06914-25	21-06915-25	21-06918-25	21-06919-25
32	21-06914-32	21-06915-32	21-06918-32	21-06919-32



Lambotte

	mm
21-06922-04	04
21-06922-06	06
21-06922-08	08
21-06922-10	10
21-06922-13	13
21-06922-16	16
21-06922-18	18
21-06922-20	20
21-06922-25	25
21-06922-30	30
21-06922-38	38
21-06922-44	44
21-06922-50	50

24 cm/9½"

Curved



21-06923-04
21-06923-06
21-06923-08
21-06923-10
21-06923-13
21-06923-16
21-06923-18
21-06923-20
21-06923-25
21-06923-30
21-06923-38
21-06923-44
21-06923-50

23 cm/9"



Mini-Lambotte

	mm	
21-06926-02	02	21-06927-02
21-06926-03	03	21-06927-03
21-06926-04	04	21-06927-04
21-06926-06	06	21-06927-06
21-06926-08	08	21-06927-08
21-06926-10	10	21-06927-10
21-06926-12	12	21-06927-12
21-06926-15	15	21-06927-15
12.5 cm/5"		17 cm/6¾"



Mini-Lexer

	mm	
21-06930-04	04	21-06932-04
21-06930-06	06	21-06932-06
21-06930-08	08	21-06932-08
21-06930-10	10	21-06932-10
21-06930-12	12	21-06932-12

18 cm/7"



Lexer

	mm	
21-06936-05	05	21-06938-05
21-06936-07	07	21-06938-07
21-06936-10	10	21-06938-10
21-06936-15	15	21-06938-15
21-06936-20	20	21-06938-20
21-06936-25	25	21-06938-25
21-06936-30	30	21-06938-30

22 cm/8¾"





Chisel
21-06942-20
24.5 cm/9 ³/₄"
20 mm



Chisel-Curved
21-06943-20
26.5 cm/10 ¹/₂"
20 mm

Gouge for the
removing of
broken screws



21-06944-22
22 cm/8 ³/₄"



Stille
20 cm/8"

mm
06
08
10
12
15
20
25
30

Width



21-06950-06	21-06952-06	21-06953-06	21-06956-06	21-06957-06
21-06950-08	21-06952-08	21-06953-08	21-06956-08	21-06957-08
21-06950-10	21-06952-10	21-06953-10	21-06956-10	21-06957-10
21-06950-12	21-06952-12	21-06953-12	21-06956-12	21-06957-12
21-06950-15	21-06952-15	21-06953-15	21-06956-15	21-06957-15
21-06950-20	21-06952-20	21-06953-20	21-06956-20	21-06957-20
21-06950-25	21-06952-25	21-06953-25	21-06956-25	21-06957-25
21-06950-30	21-06952-30	21-06953-30	21-06956-30	21-06957-30

Hibbs
24 cm/9½"

mm
06
09
13
16
19
25
32



21-06960-06	21-06961-06	21-06964-06	21-06966-06	21-06967-06
21-06960-09	21-06961-09	21-06964-09	21-06966-09	21-06967-09
21-06960-13	21-06961-13	21-06964-13	21-06966-13	21-06967-13
21-06960-16	21-06961-16	21-06964-16	21-06966-16	21-06967-16
21-06960-19	21-06961-19	21-06964-19	21-06966-19	21-06967-19
21-06960-25	21-06961-25	21-06964-25	21-06966-25	21-06967-25
21-06960-32	21-06961-32	21-06964-32	21-06966-32	21-06967-32



mm **Lexer**
05 21-06970-05
10 21-06970-10
15 21-06970-15
28 cm/11"



Lexer
21-06972-05
21-06972-10
21-06972-15
25 cm/10"



Lexer
21-06973-05
21-06973-10
21-06973-15
25 cm/10"



21-06976-01



21-06977-02



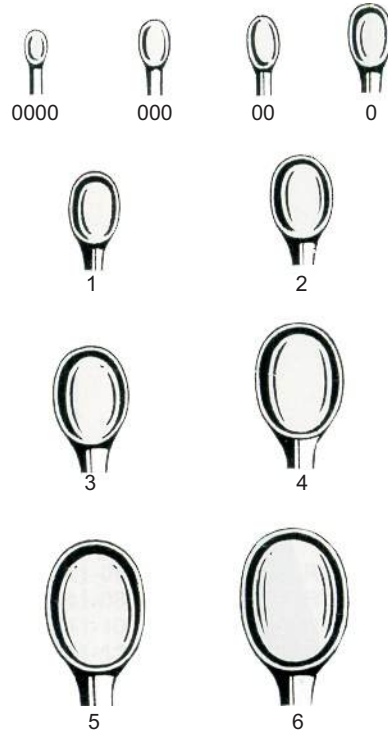
21-06977-03



Cobb
28 cm/11" 21-06977-04



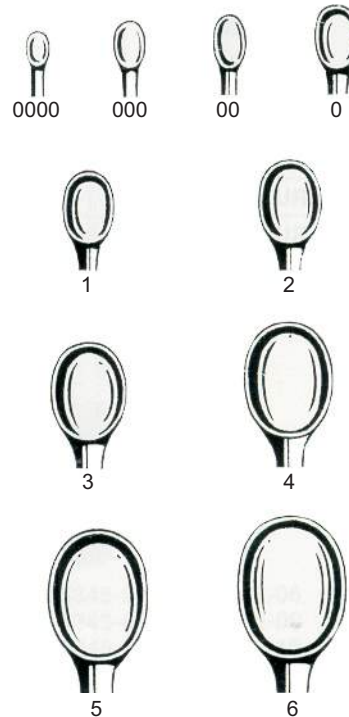
Volkmann
17 cm/6¾"



- Fig.
0000 21-06980-40
000 21-06980-30
00 21-06980-20
0 21-06980-10
1 21-06980-01
2 21-06980-02
3 21-06980-03
4 21-06980-04
5 21-06980-05
6 21-06980-06



Volkmann
17 cm/6¾"



- Fig.
0000 21-06984-40
000 21-06984-30
00 21-06984-20
0 21-06984-10
1 21-06984-01
2 21-06984-02
3 21-06984-03
4 21-06984-04
5 21-06984-05
6 21-06984-06

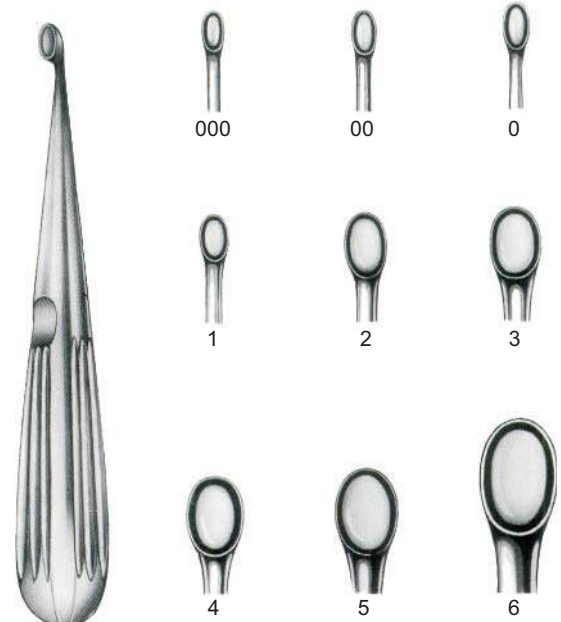


Fig.	A	B	C	D
000	21-06988-30	21-06990-30	21-06991-30	21-06993-30
00	21-06988-20	21-06990-20	21-06991-20	21-06993-20
0	21-06988-10	21-06990-10	21-06991-10	21-06993-10
1	21-06988-01	21-06990-01	21-06991-01	21-06993-01
2	21-06988-02	21-06990-02	21-06991-02	21-06993-02
3	21-06988-03	21-06990-03	21-06991-03	21-06993-03
4	21-06988-04	21-06990-04	21-06991-04	21-06993-04
5	21-06988-05	21-06990-05	21-06991-05	21-06993-05
6	21-06988-06	21-06990-06	21-06991-06	21-06993-06



Bruns
17 cm/6¾"

Bruns	Fig.	Spratt
21-06996-30	000	21-06998-30
21-06996-20	00	21-06998-20
21-06996-10	0	21-06998-10
21-06996-01	1	21-06998-01
21-06996-02	2	21-06998-02
21-06996-03	3	21-06998-03
21-06996-04	4	21-06998-04
21-06996-05	5	21-06998-05
21-06996-06	6	21-06998-06



Spratt
16 cm/6¼"



Swedish pattern

mm	Round	Oval
2	21-07002-02	21-07004-02
3	21-07002-03	21-07004-03
4	21-07002-04	21-07004-04
5	21-07002-05	21-07004-05
6	21-07002-06	21-07004-06
7	21-07002-07	21-07004-07
8	21-07002-08	21-07004-08
10	21-07002-10	21-07004-10
12	21-07002-12	21-07004-12
14	21-07002-14	21-07004-14
	17cm/6¾"	22cm/8½"



Schede
17 cm/6¾"

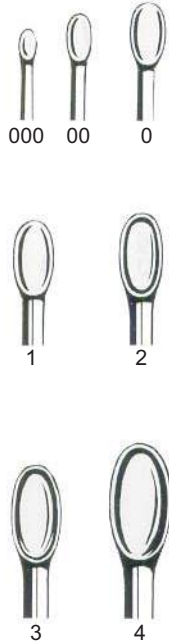
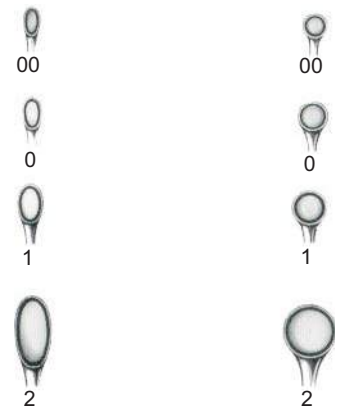


Fig.	
000	21-07008-30
00	21-07008-20
0	21-07008-10
1	21-07008-01
2	21-07008-02
3	21-07008-03
4	21-07008-04



Williger
17.5 cm/7"



Straight, Oval

21-07012-20
21-07012-10
21-07012-01
21-07012-02

Straight

Fig.	
00	21-07014-20
0	21-07014-10
1	21-07014-01
2	21-07014-02



21-07017-01

Uffenorde
17 cm/6¾"



21-07017-02



Fig. 0
21-07018-10



Fig. 1
21-07018-01



Fig. 2
21-07018-02



Fig. 3
21-07018-03



Volkmann
27 cm/10½"



Fig. 1
21-07020-01



Fig. 2
21-07020-02



Fig. 3
21-07020-03



Simon
24 cm/9½"



Fig. 4
21-07020-04



Fig. 5
21-07020-05



Fig. 6
21-07020-06



Fig. 0000
21-07022-40



Fig. 000
21-07022-30



Fig. 00
21-07022-20



Fig. 0
21-07022-10



Simon
24 cm/9½"



Fig. 00
21-07024-20



Fig. 0
21-07024-10



Fig. 1
21-07024-01



Fig. 2
21-07024-02



Daubenspeck
20 cm/8"

Flexible



Halle
21 cm/8¼"



25 cm/10"



Bushe
25 cm/10"



	Volkmann		Volkmann	
Length	Oval/Oval		Oval/Round	
cm	in			
13	5"	21-07038-13	21-07040-13	
14	5½"	21-07038-14		
16	6¼"		21-07040-16	
17	6¾"	21-07038-17		
20	8"	21-07038-20	21-07040-20	



Martini
13.5 cm/5"



Jansen
21-07046-15
15 cm/6"



Jansen
21-07050-16
16 cm/6¼"



Williger
13.5 cm/5"



Jacobson
21-07058-13
13 cm/5"



Janson
21-07062-15
15 cm/6"



Barth
21-07064-18
18 cm/7"



21-07066-21
21 cm/8 1/4"



Epstein



Spinal



Spinal

Fig.	21-07069-30	21-07072-30	21-07074-30
000	21-07069-20	21-07072-20	21-07074-20
0	21-07069-10	21-07072-10	21-07074-10
1	21-07069-01	21-07072-01	21-07074-01
2	21-07069-02	21-07072-02	21-07074-02
3	21-07069-03	21-07072-03	21-07074-03
4	21-07069-04	21-07072-04	21-07074-04
5	21-07069-05	21-07072-05	21-07074-05
6	21-07069-06	21-07072-06	21-07074-06
	20 cm/8"	20 cm/8"	20 cm/8"



Putti
21-07078-30
30 cm/12"



Putti
21-07080-27
27 cm/10½"



21-07084-25
25 cm/10"

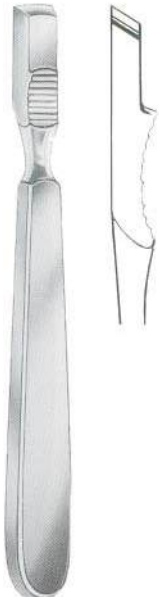


21-07088-24
24 cm/9½"



21-07092-22
22 cm/8¾"





Farabeuf
21-07096-15
15 cm/6"



Farabeuf
21-07098-15
15 cm/6"



Farabeuf-Collin
21-07100-15
15.5 cm/6"
11 mm



Farabeuf-Collin
21-07102-15
15.5 cm/6"
11 mm



Farabeuf
21-07104-19
19 cm/7½"
13 mm



Sedillot
21-07108-18
18 cm/7"
18 mm



Sedillot
21-07110-21
21 cm/8¼"
15 mm



Langenbeck
21-07114-19
19 cm/7½"



Langenbeck
21-07116-18
18 cm/7"



Lambotte
21 cm/8¼"

Width

	mm
21-07120-05	05
21-07120-10	10
21-07120-15	15
21-07120-20	20
21-07120-25	25



Schneider
21-07124-17
13 mm
17.5 cm/7"



Schneider-Sauerbruch
21-07126-19
13 mm
19 cm/7½"



Alexander
21-07130-20
20 cm/8"



Jansen
21-07134-16
15 mm
16.5 cm/6½"



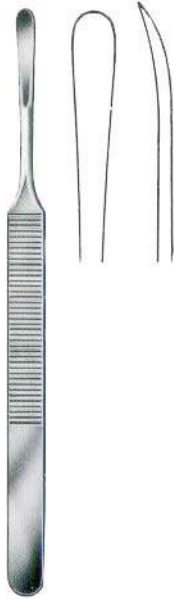
Seldin
21-07138-19
19 cm/7½"



Davidson-Alexander
21-07142-29
29 cm/11½"



Williger
21-07146-29
13 cm/5"



König
21-07150-15
15.5 cm/6"
5 mm



Williger
21-07154-16
16 cm/6¼"



Adson
17 cm/6¾"



21-07158-01



21-07158-02



21-07158-03



21-07158-04



21-07162-06 17 cm/6¾"
6 mm

21-07162-08
8 mm



Overholt
21-07166-29
29.5 cm/11½"



Overholt
21-07168-29
29.5 cm/11½"



Overholt
21-07170-28
28.5 cm/11¼"



Hyllin
21-07174-03
14.5 cm/5¾"



21-07174-01



21-07174-02



21-07174-03



Matson
21-07178-22
22 cm/8¾"



Semb

21-07182-01
19.5 cm/7½"
12 mm



21-07182-02
19.5 cm/7½"
12 mm



21-07182-03
19.5 cm/7½"
12 mm



21-07182-04
22 cm/8¾"
13 mm



21-07182-05
21.5 cm/8½"
13 mm



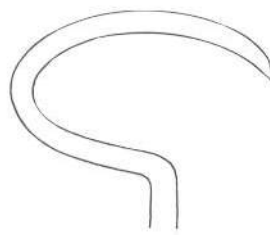
21-07182-06
22 cm/8½"
15 mm



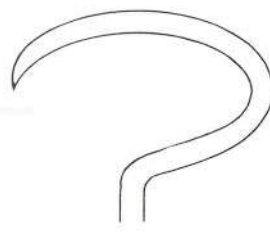
21-07182-07
22 cm/8½"
15 mm



Doyen
17 cm/6¾"



21-07186-01



21-07186-02



21-07188-01



21-07188-02



Doyen
24 cm/9½" 21-07190-01





21-07194-04
4 mm



21-07194-06
6 mm



21-07194-08
8 mm



Cobb
24 cm/9½"



21-07194-10
10 mm



21-07194-13
13 mm



21-07194-19
19 mm



21-07194-25
25 mm



21-07198-01
19 cm/7½"
6 mm



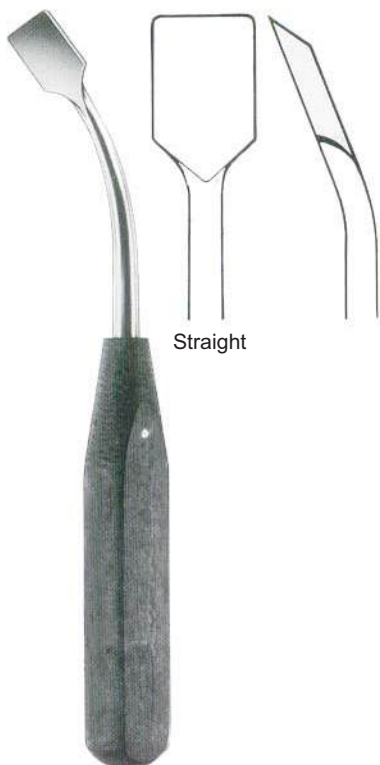
21-07199-02
18.5 cm/7¼"
3 mm



21-07201-03
18.5 cm/7¼"
6 mm



21-07203-04
18.5 cm/7¼"
6 mm



21-07206-05
18.5 cm/7¼"
13 mm



21-07207-06
19.5 cm/7¾"
14 mm



21-07209-07
18.5 cm/7¼"
14 mm



21-07211-08
20 cm/8"
20 mm



21-07214-20
27.5 cm/10³/₄"
20 mm

Wagner
8 mm 21-07218-08 33 cm/13"
17 mm 21-07218-17 33 cm/13"

Cobb
10 mm 21-07222-10 25 cm/10"
13 mm 21-07222-13 25 cm/10"
19 mm 21-07222-19 25 cm/10"
25 mm 21-07222-25 25 cm/10"

Cobb
10 mm 21-07224-10 28 cm/11"
13 mm 21-07224-13 28 cm/11"
19 mm 21-07224-19 28 cm/11"



21-07228-07
16 cm/6¼"
7 mm

21-07228-15
18.5 cm/7¼"
15 mm

21-07228-20
19 cm/7½"
20 mm

Hoen



Yankauer
21-07232-18
18 cm/7"



Langenbeck
21-07236-20
20 cm/8"
8 mm



Langenbeck
21-07238-20
20 cm/8"
10 mm



Langenbeck
21-07240-23
23 cm/9"
11 mm



Mass. Gen. Hosp.
21-07244-15
15 cm/6"



Williger
21-07248-17
17 cm/6¾"
5.5 mm



Williger
21-07250-16
16 cm/6¼"



Quervain
21-07254-20
20 cm/8"



21-07258-16
16 cm/6¼"



Width

Key

6 mm	21-07262-06	19 cm/7½"
12 mm	21-07262-12	19 cm/7½"
19 mm	21-07262-19	19 cm/7½"
25 mm	21-07262-25	19 cm/7½"



König
21-07266-15
15 cm/6"
4.5 mm



König
21-07268-15
15 cm/6"
4.5 mm



Alderdyce
21-07272-21
21 cm/8¼"



McDonald
21-07276-19
19 cm/7½"



Watson-Cheyne
21-07280-19
17.5 cm/7"



Sebilleau
21-07284-17
17 cm/6¾"



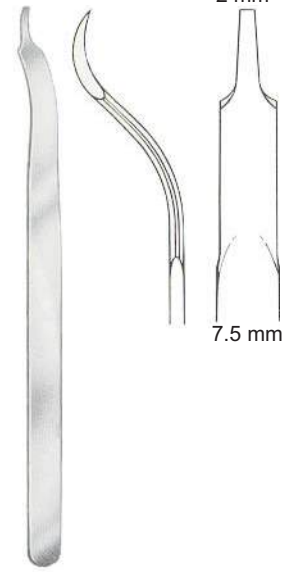
21-07288-14
14 cm/5½"
2.8 mm



21-07288-15
15 cm/6"
5 mm

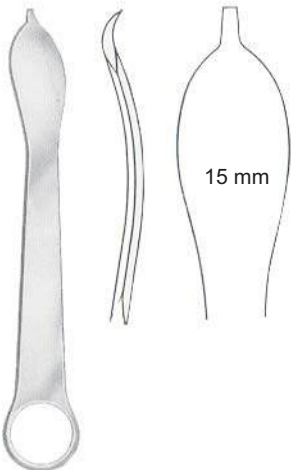


21-07290-15
15 cm/6"
7 mm



Buck-Gramcko
21-07292-15
15 cm/6"

2 mm
7.5 mm



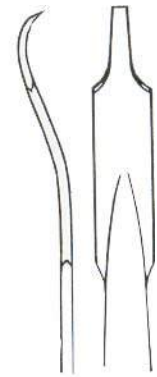
21-07296-12
12.5 cm/5"

2 mm

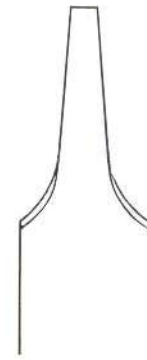
15 mm



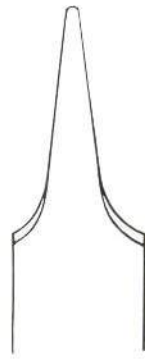
Mini-Hohmann 21-07300-06
16 cm/6¼" 6 mm



21-07302-08
8 mm



21-07306-17
17 mm



21-07308-17
17 mm



21-07304-26
26.5 cm/10½"
24 mm



Lange-Hohmann
21-07305-26
26 cm/10¼"
22 mm



Hohmann
21-07308-22
22 cm/8¾"
8 mm



Hohmann
21-07308-24
24 cm/9½"
14 mm



Hohmann
21-07308-26
26 cm/10 1/4"
22 mm

Hohmann
21-07308-28
28 cm/11"
33 mm

Hohmann
21-07310-24
24 cm/9 1/2"
43 mm

Hohmann
21-07312-24
24.5 cm/9 3/4"
43 mm

Hohmann
21-07314-24
24 cm/9 1/2"
70 mm

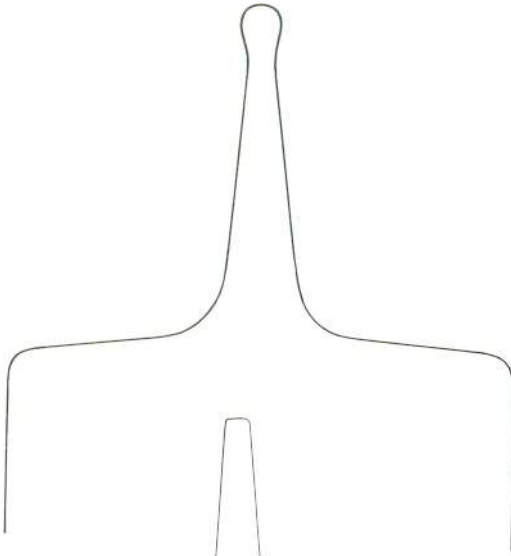
Hohmann
21-07316-22
22 cm/8 3/4"
18 mm



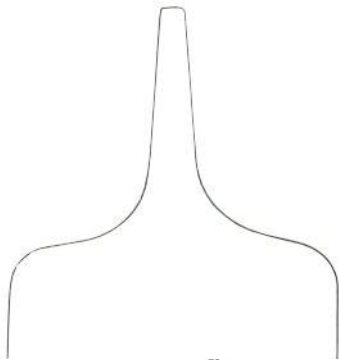
Lange-Hohmann modif			Hohmann-Aldinger	
30 mm	21-07316-26	26.5 cm/10½"	21-07318-27	
33 mm	21-07316-29	29.0 cm/11½"	27 cm/10½"	

Schumacher
(Wagner)
21-07318-34
34.5 cm/13½"

Schumacher
21-07320-29
29 cm/11½"



21-07322-25
25.5 cm/10"
65 mm



21-07322-24
24 cm/9 "
42 mm



Verbrugge-Muller



Lane Trethowan
21-07324-21
21.5 cm/8½"



Lane
21-07328-25
25.5 cm/10"



Bristow
21-07332-23
23 cm/9"



Murphy-Lane
21-07336-32
32 cm/12½"



Chandler

Length	Width	
18 cm	13 mm	21-07340-13
20 cm	19 mm	21-07340-19
23 cm	25 mm	21-07340-23
25 cm	30 mm	21-07340-30



Blount
21-07344-26
26 cm/10¼"



Blount
21-07346-26
26 cm/10¼"



Bennett 21-07350-44 44 mm
24 cm/9½" 21-07350-64 64 mm



Smillie
14 cm/5½"

- 21-07354-01
32x19 mm
- 21-07354-02
48x19 mm
- 21-07354-03
57x19 mm



21-07356-04
52x13 mm



21-07358-05
12x13 mm

Spinal retractors



- 21-07362-01
75x30 mm
- 21-07362-02
100x30 mm

Taylor
17 cm/6½"



21-07366-21
21.5 cm/8½"

Meniscus retractors



Blount
21-07370-17
17.5 cm/7"



Smillie
21-07374-17
17 cm/6¾"



Smillie
21-07376-17
17 cm/6¾"



Smillie
21-07378-17
17 cm/6¾"



Salenius
21-07382-22
22 cm/8¾"



Salenius
21-07384-22
22 cm/8¾"



21-07388-17
17.5 cm/7"



Neff
21-07392-21
21.5 cm/8½"



Canad-Modell
21-07396-01 20 cm/8"



21-07396-02



Bircher
21-07402-20
20.5 cm/8"

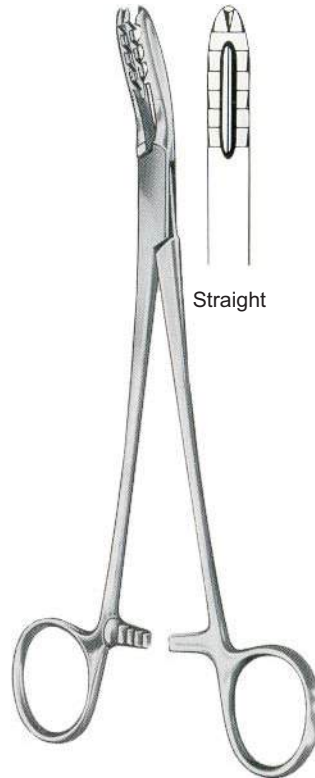




Martin
21-07424-19
19 cm/7½"

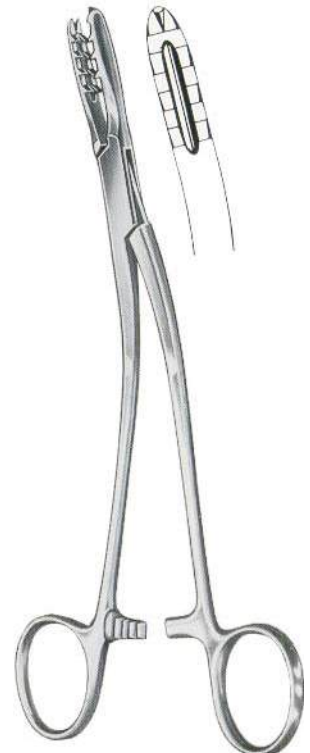


Preston
21-07428-18
18 cm/7¼"



Straight

Bircher-Ganske
21-07432-20
20 cm/8"



Bircher-Ganske
21-07434-20
20 cm/8"



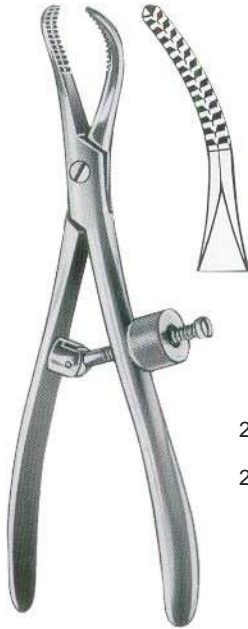
Lewin
21-07438-17
17.5 cm/7"



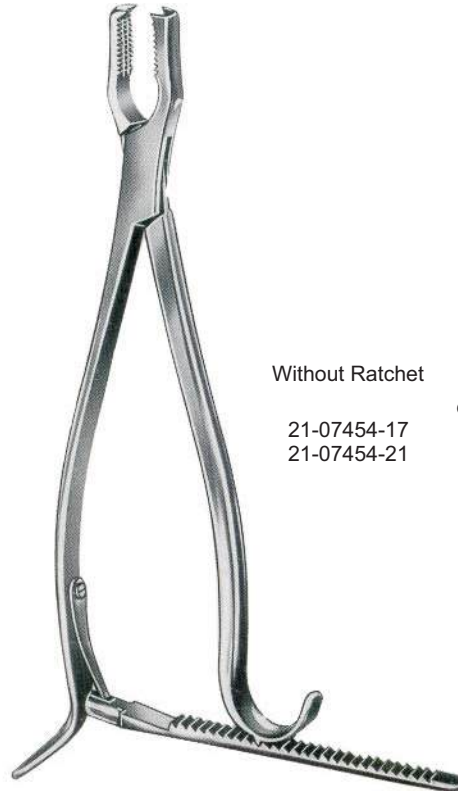
Langenbeck
21-07442-21
21 cm/8¼"



Fergusson
21-07446-21
21 cm/8¼"



21-07450-16
16 cm/6¼"
21-07450-24
24 cm/9½"



Without Ratchet	Kern		With Ratchet
	cm	in	
21-07454-17	17	6¾"	21-07456-17
21-07454-21	21	8¼"	21-07456-21



21-07460-18	18 cm/07"	21-07461-18
21-07460-23	23 cm/09"	21-07461-23
21-07460-25	25 cm/10"	21-07461-25
21-07460-28	28 cm/11"	21-07461-28



Hey Groves
21-07464-21 21.0 cm/8¼"
21-07464-27 27.0 cm/10½"
21-07464-30 30.5 cm/12"



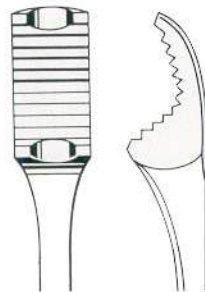
Semb
21-07468-19
19 cm/7 1/2"



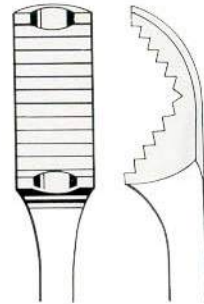
Semb
21-07470-19
19 cm/7 1/2"



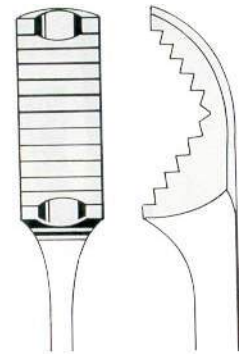
Verbrugge
21-07474-17
17.5 cm/7"



21-07478-25
25 cm/10"



21-07478-26
26 cm/10 1/4"
Verbrugge



21-07478-27
27 cm/10 1/2"



21-07482-15 15 cm/6"
21-07482-19 19 cm/7½"
21-07482-24 24 cm/9½"
21-07482-26 26 cm/10¼"
21-07482-28 28 cm/11"



Handles Detachable

Percy
21-07486-30

Adjustable



Lambotte
21-07490-22 22 cm/8¾"
21-07490-27 27 cm/10½"
21-07490-30 30 cm/12"



Farabeuf
21-07494-23 23 cm/9"
21-07494-26 26 cm/10¼"



Lambotte
21-07498-22 22.5 cm/9"
21-07498-25 25.5 cm/10½"
21-07498-33 33 cm/13½"



Farabeuf-Lambotte
21-07502-26
26 cm/10¼"



Lambotte
21-07506-19 19 cm/7½"
21-07506-23 23 cm/9"
21-07506-26 26 cm/10¼"



Without Ratchet	Lane	With Ratchet
	cm in	
21-07510-33	33 13"	21-07514-33
21-07510-45	45 17¾"	21-07514-45



21-07518-14
14.5 cm/5¾"



21-07522-12
12 cm/4¾"





Stellbrink
17.5 cm/7"



Bane-Hartmann
21-07563-17
17.5 cm/7"



Mini-Friedmann
21-07567-12
12.5 cm/5"



Friedmann
21-07571-14
14 cm/5½"



Friedmann-Delicate
15 cm/6"

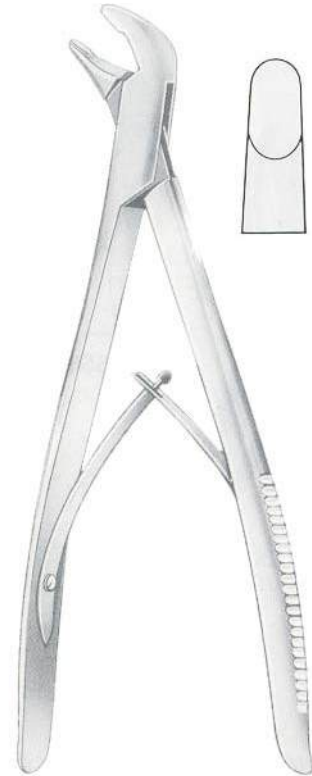


21-07575-15



90°

21-07577-15



Bacon
21-07580-20
20 cm/8"



Cleveland
21-07583-14 14 cm/5½"
21-07583-17 17 cm/6¾"



Hartmann
21-07587-18
18.5 cm/7¼"



Olivecrona
21-07591-20
20 cm/8"



21-07595-16



21-07597-16

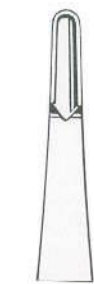
Mead
16.5 cm/6½"



	Lempert	
	cm	in
Straight	16	6¼"
21-07601-16		
21-07601-19	19	7½"
	Curved	
	21-07603-16	
	21-07603-19	



Beyer
21-07607-18
18 cm/7"



21-07610-17



21-07611-17

Jansen
17.5 cm/7"



21-07615-15



21-07617-15



21-07619-15

Blumenthal
15.5 cm/6"



Hakansson
21-07621-15
15.5 cm/6"



Jansen
21-07623-18
18 cm/7"



Luer
17 cm/6¾"



Straight
21-07626-17

Curved
21-07627-17



Luer
18.5 cm/7¼"

Heavy Pattern

Straight
21-07630-18

Curved
21-07631-18



Luer
15 cm/6"



21-07635-15



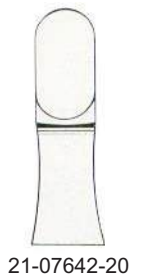
21-07637-15



21-07639-15



Adson
20 cm/8"



21-07642-20



Kleinert-Kutz
15 cm/6"



21-07645-15
2 mm



21-07647-15
3 mm



Bohler
15 cm/6"



21-07650-15



21-07651-15



**Beyer
Zaufal-Jansen**
18 cm/7"



Zaufal-Jansen
21-07653-18



Beyer
21-07655-18



Mayfield
21-07659-17
17 cm/6³/₄"



Ruskin
21-07663-18
18 cm/7"
Angled



Straight
21-07666-18
18 cm/7"
21-07666-23
23 cm/9"



Ruskin
21-07667-18
18 cm/7"
21-07667-23
23 cm/9"



Marquardt
21-07671-20
20 cm/8"



Rottgen-Ruskin
21-07675-24
24 cm/9½"



21-7679-03
3 mm



21-7679-04
4 mm



21-7679-05
5 mm



21-7681-03
3 mm



21-7681-04
4 mm



21-7681-05
5 mm



Smith-Petersen
24 cm/9½"



Stille-Luer
22 cm/8¾"



Straight
21-07684-22



Curved
21-07685-22



Stille-Luer
27 cm/10½"



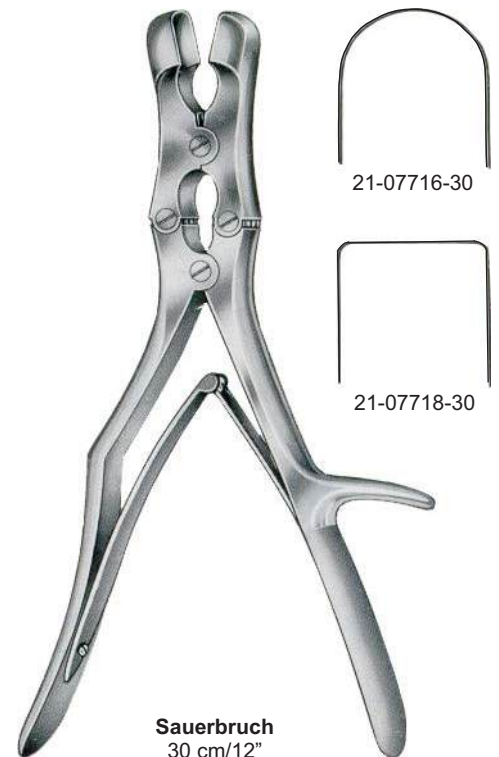
21-07688-27



21-07689-27



Semb
21-07693-23
23 cm/9"





Markwalder
21-07721-20
20 cm/8"



Straight
21-07724-14
21-07724-17
21-07724-19
21-07724-22

cm
14
17
19
22



Curved
21-07725-14
21-07725-17
21-07725-19
21-07725-22

in
5½
6¾
7½
8¾



Littauer-Liston
21-07728-15
15 cm/6"



Cleveland
21-07731-15 15 cm/6"
21-07731-17 17 cm/6¾"



Bohler
15 cm/6"



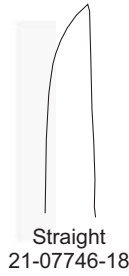
McIndoe
21-07739-17
17.5 cm/7"



Kazanjian
21-07742-18
18 cm/7"



Ruskin-Liston
18.5 cm/7 1/4"



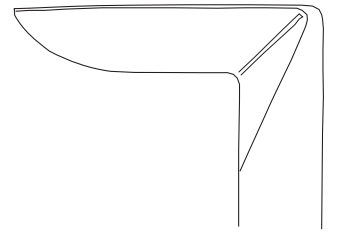
Straight
21-07746-18



Curved on flat
21-07747-18



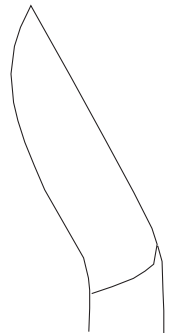
Stille-Liston
23 cm/9"
27 cm/10 1/2"



21-07749-27
27 cm/10 1/2"



21-07750-23
21-07750-27



21-07751-23
21-07751-27



Liston-Key (Horsley)
21-07753-27
27 cm/10 1/2"



Semb
21-07755-24
24 cm/9 1/2"



21-07758-13
13.5 cm/5"



18 cm/7"

Forceps for tearing out toe and finger nails



21-07760-18



21-07761-18



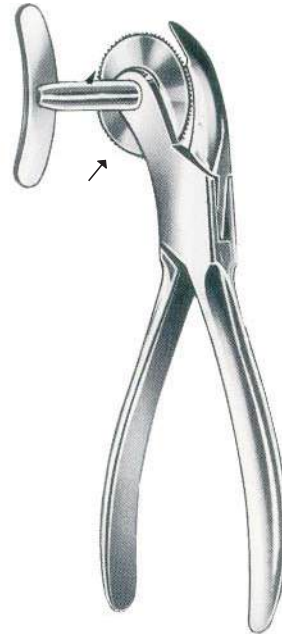
21-07762-13
13.5 cm/5 1/4"



Saw blade



21-07764-17
17 cm/6 3/4"



Saw blade

21-07766-17
17 cm/6 3/4"



Langenbeck
21-07768-23
23 cm/9"



Satterlee
21-07770-31
31 cm/12¼"



Charriere
21-07772-27 27 cm/10½"
21-07772-30 30 cm/12"



Spare saw blades
21-07774-12 12 mm
21-07774-15 15 mm
Complete with 2 blades
21-07774-35

Charriere



Spare saw blades
21-07776-43 3 mm
21-07776-45 5 mm
21-07776-47 7 mm
Complete with 3 blades
21-07776-39

Helferich-Bier



Hudson
21-07778-00
Hand drill, with 4 burrs, fig. 1-4

Handle, only
21-07778-10

Conical and spherical burrs, single

Flat trephine

Extension piece



Fig. 1
21-07778-01
9 mmØ



Fig. 2
21-07778-02
14 mmØ



Fig. 3
21-07778-03
16 mmØ



Fig. 4
21-07778-04
22 mmØ



Cushing
Fig. 5
21-07778-05
14 mmØ

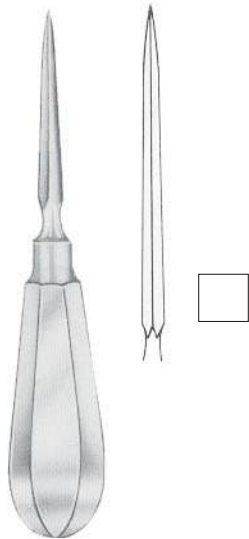


Fig. 6
21-07778-06

Drill guide and dura protecting forceps



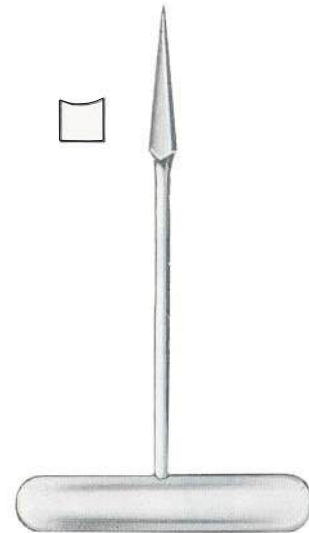
Adson
21-07780-15
15 cm/6"



21-07784-14
14 cm/5½"



Perthes
21-07786-21
21 cm/8¼"



21-07788-14
14 cm/5½"



21-07792-14
14 cm/5½"



21-07794-16
16 cm/6¼"



18cm/7"

Pinsmed TC



21-07798-01



21-07798-02



21-07798-03



21-07798-04



21-07798-05

Pinsmed TC



21-07802-18 18 cm/7"
21-07802-20 20 cm/8"

Pinsmed TC



21-07806-16
15 cm/6"

21-07806-20
20 cm/8"



21-07810-16
15 cm/6"





21-07814-13 13 cm/5"
21-07814-18 18 cm/7"



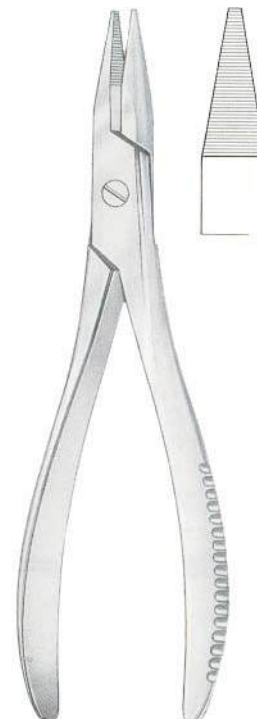
21-07818-17
17 cm/6¾"



21-07822-15
15.5 cm/6"



21-07826-17 17 cm/6¾" 21-07828-17



21-07830-19
19 cm/7 ½"



For soft wire
with a diam. of max.

21-07834-15
15 cm/6"
2.0 mm

21-07836-18
18.5 cm/7¼"
1.7 mm

21-07837-16
16 cm/6¼"
2.0 mm

For hard wire
with a diam. of max.

1.5 mm

1.7 mm

2.0 mm

PinsmedTC



21-07840-12
0.7 mm
0.5 mm
12 cm/4¾"



21-07844-15
2.0 mm
1.0 mm
15 cm/6"



21-07848-18
2.0 mm
1.7 mm
18 cm/7"



21-07852-18
2.5 mm
1.5 mm
18.5 cm/7¼"



21-07856-18
2.0 mm
1.7 mm
18 cm/7"



21-07860-22
3.0 mm
2.5 mm
22 cm/8¾"



21-07864-22
3.0 mm
22 cm/8¾"



With 1 Pin

Bohler

cm	in	
h x b	h x b	For Arm
16 x 9	6¼ x 3½	21-07868-16

		For Thigh and Knee
21 x 11	8¼ x 4½	21-07868-21

With 3 Traction Hooks



Kirschner

Clear Width	cm	in
21-07872-01	9.5x7	3¾x2¾
21-07872-02	10.5x10.5	4¼x4¼
21-07872-03	12x12	4¾x4¾
21-07872-04	15.5x15.5	6x6
21-07872-05	20x15.5	8x6

With 3 Traction Hooks



Kirschner

21-07880-01	Small Pattern
21-07880-02	Medium Pattern
21-07880-03	Large Pattern



Clear Width

	cm	in
21-07876-18	18x10	07x04
21-07876-27	27x16	10½x06¼

Screw Nut Wrench



21-07884-10
10 cm/4"

Screw Driver



21-07884-12
12 cm/4¾"

Wire Strainer



21-07884-20
20 cm/8"

Fixation Discs For Drill Wires



21-07884-30
Pair



21-07884-40



21-07884-42

Fixation Discs



21-07884-51
Pair

Bone Wire Guides



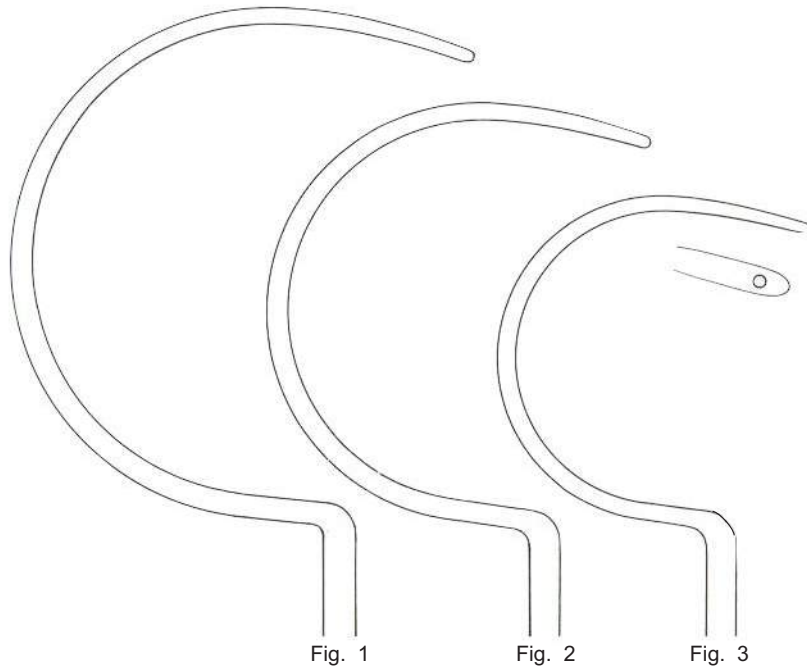
Bone Wire Tighteners

Loute
21-07888-00
21 cm/8 1/4"



Demel

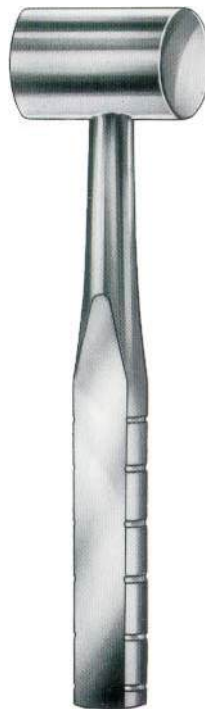
Bone Wire Guides
Fig. 1 21-07892-01
Fig. 2 21-07892-02
Fig. 3 21-07892-03



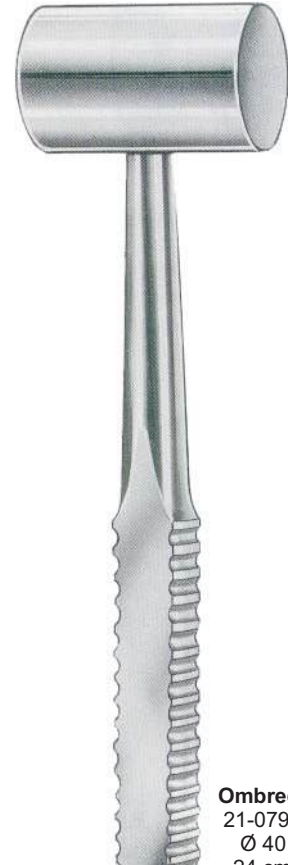


100 g 21-07896-10
350 g 21-07896-35
500 g 21-07896-50
700 g 21-07896-70

22 cm/8½"



Heath
21-07900-18
18 cm/7" Ø 40 mm



Ombredanne
21-07904-24
Ø 40 mm
24 cm/9½"
550 g



1 Side Flat
1 Side Convex

Cottle
21-07908-19
Ø 30 mm
19 cm/7½"
350 g



Williger
21-07912-23
23 cm/9"
150 g



Hajek
21-07916-21
Ø 27 mm
21 cm/8¼"
140 g



165 g
Ø 22 mm

21-07920-19
19 cm/7½"

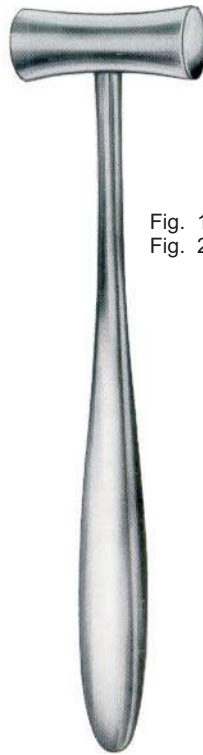
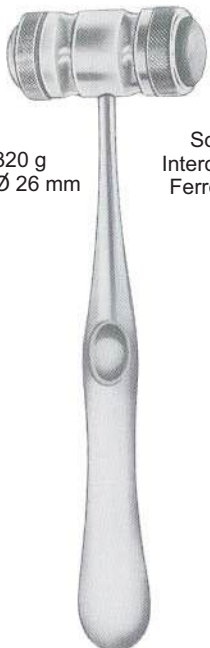


Fig. 1 21-07924-19 19mm Ø
Fig. 2 21-07924-25 25mm Ø

Lucae
19 cm/7½"



21-07928-16
16.5 cm/6½"



320 g
Ø 26 mm

Solid With
Interchangeable
Ferrozell Jaws

Mead
21-07932-17
17 cm/6¾"



280 g
Solid Steel

Gardner
21-07936-14
14 cm/5½"



200 g
22 mm Ø
(7 oz.)

Partsch
21-07940-18
18 cm/7"



Gerzog
21-07944-19
19 cm/7½"



7 mm Ø



Spare Screw

21-07948-34
34cm/13½"

Tendon Passing Instruments



Malleable

Bunnell
21-07950-18 18cm/7"
21-07950-23 23cm/9"

Tendon Strippers



mm Ø
4.0 21-07952-40
4.5 21-07952-45
5.5 21-07952-55
Flexible Shaft

Bunnell
23cm/9"



Fischer
21-07956-31
31 cm/12¼"

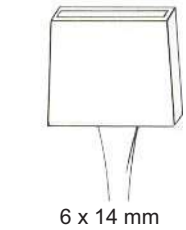


Brand

21-07960-50
50 cm/19½"
06 mm Ø



21-07962-30
30 cm/12"
03 mm Ø

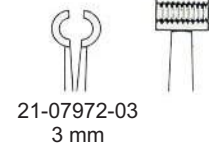


Brand
21-07964-50
50 cm/19½"

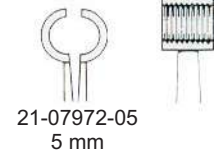
6 x 14 mm



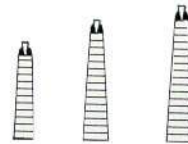
Steinmann
21-07968-16
16 cm/6¼"



Larsen
10 cm/4"



Kleinert-Kutz
21-07976-20
20 cm/8"



Brand
21-07980-15 15 cm/6"
21-07980-19 19 cm/7½"
21-07980-24 24 cm/9½"



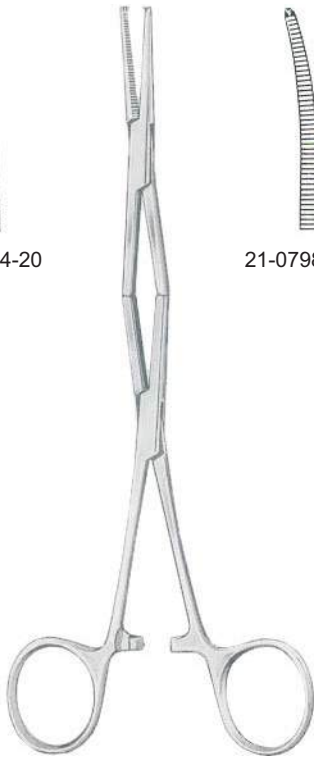
Brand
21-07981-15 15 cm/6"
21-07981-19 19 cm/7½"
21-07981-24 24 cm/9½"



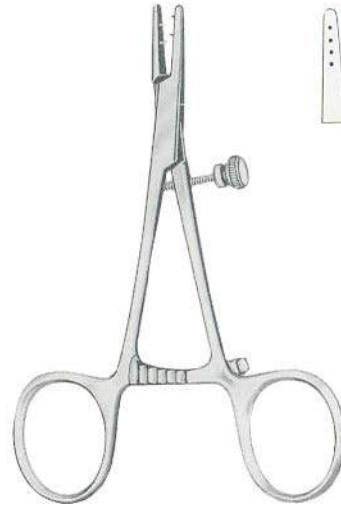
21-07984-20



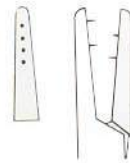
21-07985-20



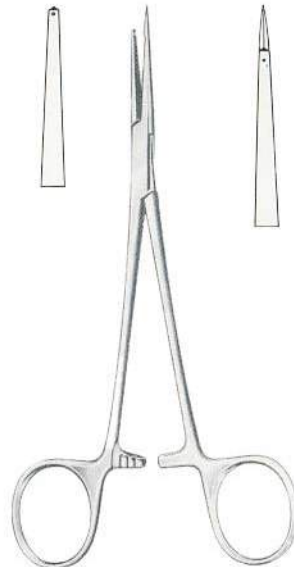
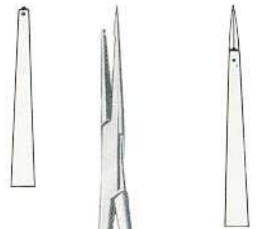
20 cm/8"



Steinmann
21-07988-13
13 cm/5"



Caroll
21-07992-11
11 cm/4½"



21-07996-15
15 cm/6"



21-07997-15
15 cm/6"



Laborde
22-08000-13 13 cm/5"
22-08000-15 15 cm/6"



Trousseau
22-08004-14
14 cm/5½"

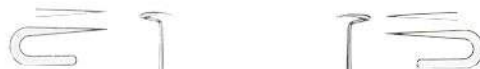


Trousseau-Baby
22-08006-13
13 cm/5"

Hooks

Left

Right



Sharp



Bose
22-08010-07
7 cm/2¾"



22-08013-16



22-08015-16

Bose
16 cm/6¼"



Thyroid Gland Retractor











Trachea Trocars



Schoenborn
22-08018-21
21 cm/8¼"

Uckerman

22-08022-08 08 mm Ø
22-08022-10 10 mm Ø
13 cm/5"

Fig	0	1	2	3	4	5	6	7	8	9
										
Ø mm	04	05	06	07	08	09	10	11	12	13
Charr./Fr.	12	15	18	21	24	27	30	33	36	39
	45	50	55	60	65	70	75	80	85	90

Length of Outer Tube

Standard Pattern



Luer

Fig.	mm Ø	
0	4	22-08026-04
1	5	22-08026-05
2	6	22-08026-06
3	7	22-08026-07
4	8	22-08026-08
5	9	22-08026-09
6	10	22-08026-10
7	11	22-08026-11
8	12	22-08026-12
9	13	22-08026-13



Chevalier-Jackson



Fig.	mm Ø	
0	4	22-08028-04
1	5	22-08028-05
2	6	22-08028-06
3	7	22-08028-07
4	8	22-08028-08
5	9	22-08028-09
6	10	22-08028-10
7	11	22-08028-11
8	12	22-08028-12
9	13	22-08028-13



Luer

Fig.	mm Ø	
4	8	22-08030-08
5	9	22-08030-09
6	10	22-08030-10
7	11	22-08030-11
8	12	22-08030-12
9	13	22-08030-13



Goitre Probes

Kocher

23-08034-15 15 cm/6"
23-08034-16 16 cm/6¼"



Goitre Grasping Forceps

Lahey

23-08038-15 15 cm/6"
23-08038-20 20 cm/8"



Muscle Forceps

23-08042-17

Mastin
17 cm/6¾"

Comedone Extractors



Schamberg
24-08046-10
10 cm/4"



Unna
24-08050-14
14 cm/5½"



Unna
24-08052-14
14 cm/5½"



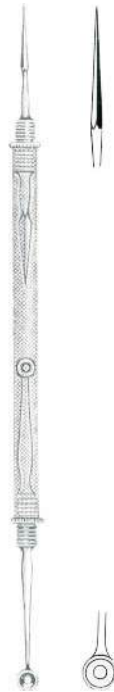
Sealfeld
24-08056-10
10 cm/4"



Saalfeld
24-08060-14
14 cm/5½"



Katsch
24-08064-14
14 cm/5½"



Hebra
24-08068-18
18 cm/7"



Piffard
14.5cm/5¾"

Skin Currettes



Fig. 1 24-08072-01

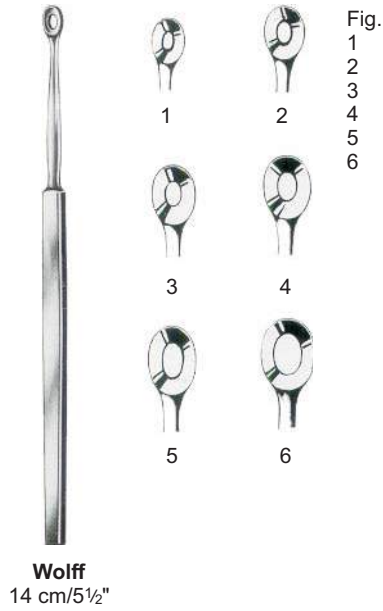


Fig. 2 24-08072-02

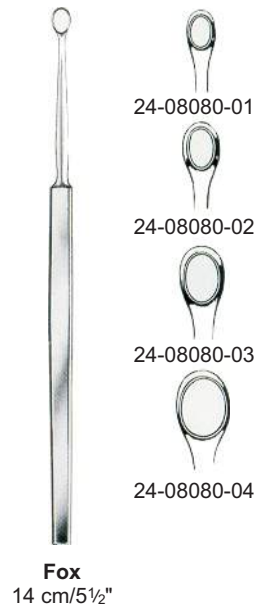


Fig. 3 24-08072-03

Lupus Currettes



Lupus Currettes



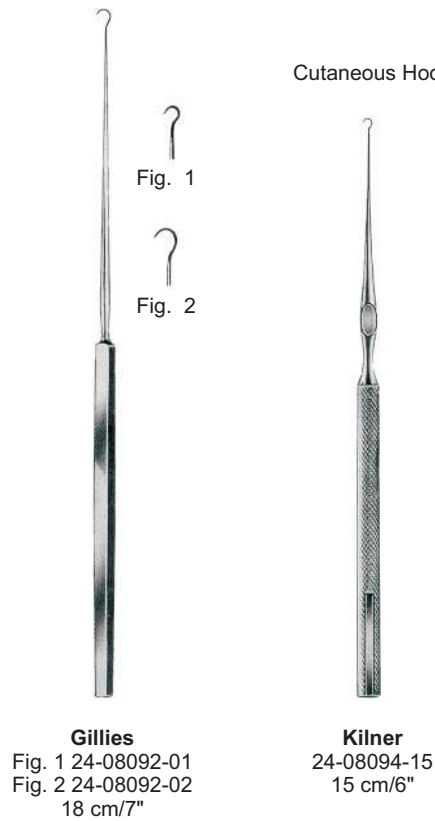
Lupus Scraper



Moncorps Knife



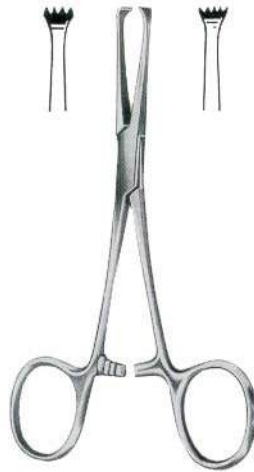
Cutaneous Hook





Allis

cm	in	4 : 5	5 : 6
15	6"	25-08096-15	25-08100-15
19	7½"		25-08100-19
23	9"		25-08100-23
25	10"		25-08100-25



Baby-Allis

25-08104-12	12 cm/4¾"
25-08104-14	14 cm/5½"



Allis-Atrauma

25-08108-16	16 cm/6¼"
25-08108-20	20 cm/8"
25-08108-25	25 cm/10"
25-08108-30	30 cm/12"



Allis-Adair
25-08112-15
15 cm/6"



Baby-Allis
25-08116-15
15 cm/6"



Lockwood-Allis
25-08120-16 16 cm/6¼"
25-08120-20 20 cm/8"



Thoms-Allis
25-08124-20
20 cm/8"



Judd-Allis
25-08128-15 15 cm/6"
25-08128-19 19 cm/7½"



Littlewood
25-08132-18
18.5 cm/7¼"



Williams
25-08136-16
16 cm/6¼"



Lockwood
25-08140-20
20 cm/8"

Pinsmed Atrauma



cm/in **Babcock-Atrauma**
16 cm/6¼" 25-08144-16
18 cm/7" 25-08144-18
20 cm/8" 25-08144-20
24 cm/9½" 25-08144-24



Babcock(Standard)
25-08148-16
25-08148-18
25-08148-20
25-08148-24



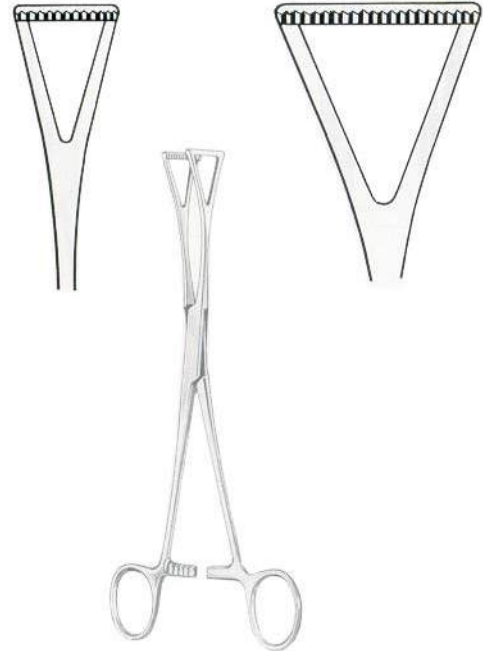
Baby-Babcock
25-08152-16



Babcock
25-08156-16
25-08156-20

PinsmedTc

Pinsmed Atrauma



Duval			
	cm	in	
25-08164-18	18	7"	
25-08164-20	20	8"	25-08168-20
25-08164-23	23	9"	25-08168-23

PinsmedTC



Duval
25-08172-20
20 cm/8"

Child
24 cm/9½"



Pinsmed Atrauma





Baby-Doyen
Straight 25-08186-18 18 cm/7"
Curved 25-08187-18 18 cm/7"

Doyen
Straight 25-08190-21 21 cm/8¼"
25-08190-23 23 cm/9"
Curved 25-08191-21 21 cm/8¼"
25-08191-23 23 cm/9"

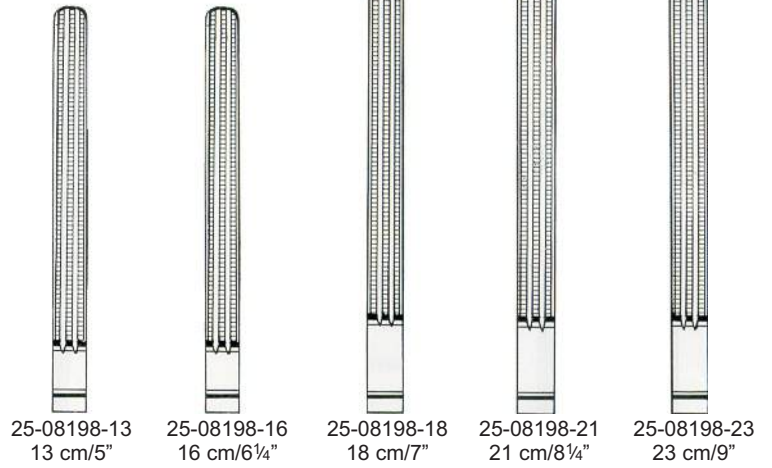
Scudder
25-08194-25 25 cm/10"

Pinsmed Atrauma

Straight

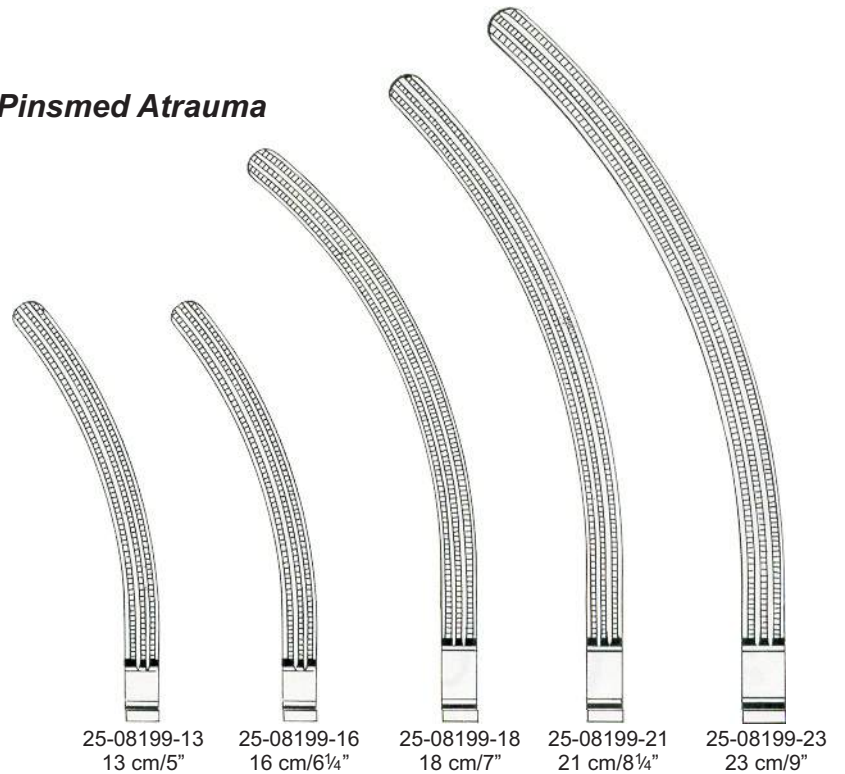


Doyen-Atrauma



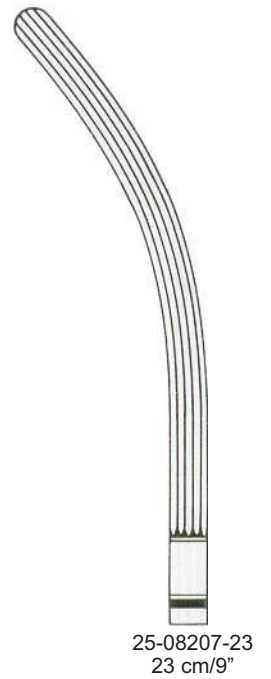
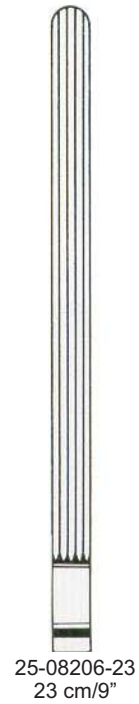
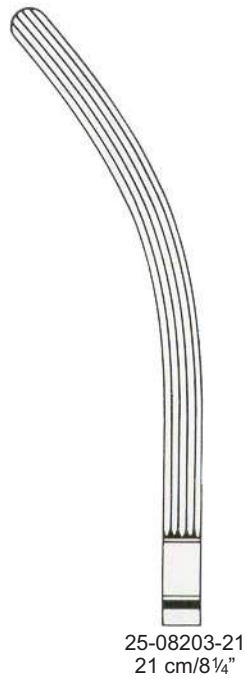
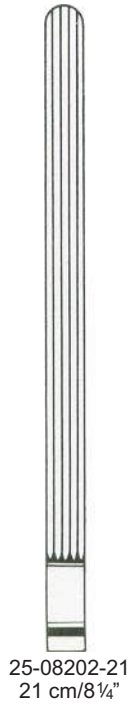
Pinsmed Atrauma

Curved

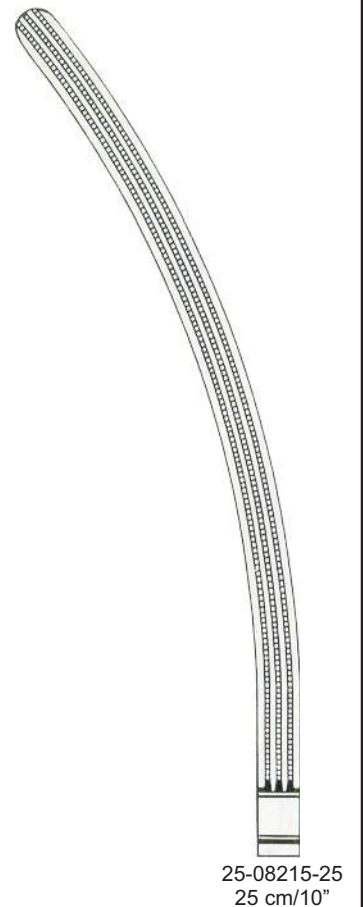
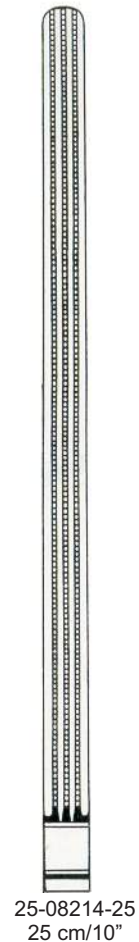
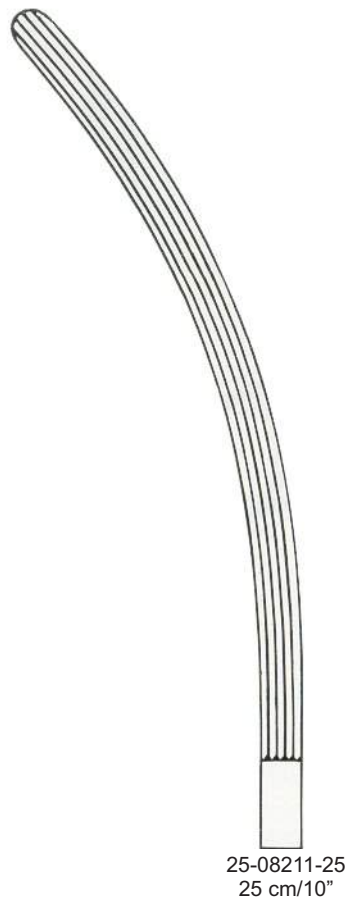
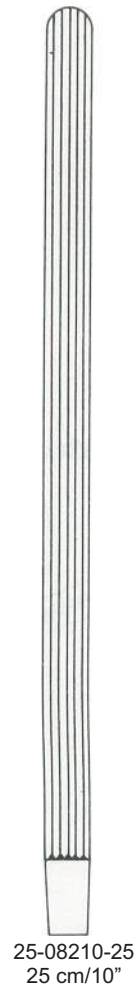


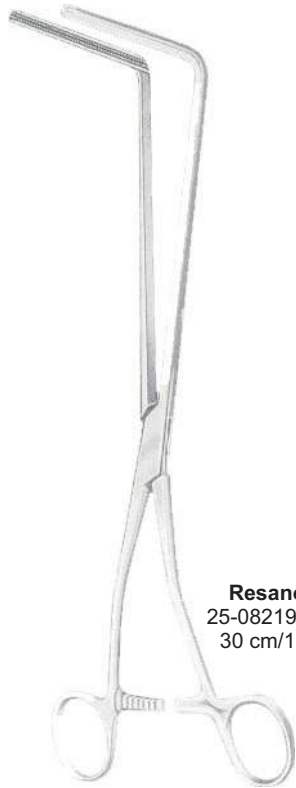


Mayo-Robson
Mayo-Robson Atrauma



Pinsmed Atrauma





Resano
25-08219-30
30 cm/12"

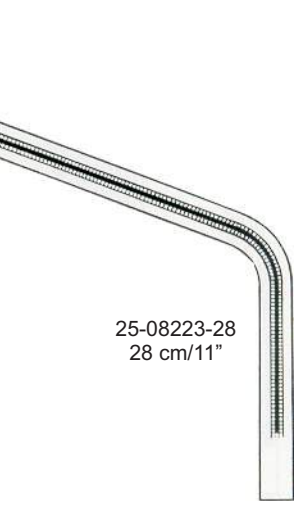


Hayes



25-08223-26
26 cm/10¼"

Pinsmed Atrauma



25-08223-28
28 cm/11"

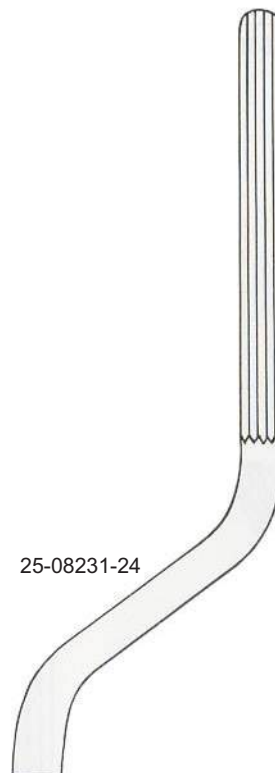
Pinsmed Atrauma



Fehland
25-08227-24
24 cm/9½"



Brunner
24 cm/9½"



25-08231-24



25-08233-24



Straight **Baby-Kocher** Curved
25-08236-13 25-08237-13
13 cm/5" 13 cm/5"



Kocher



25-08240-22
22 cm/8³/₄"



25-08240-25
25 cm/10"



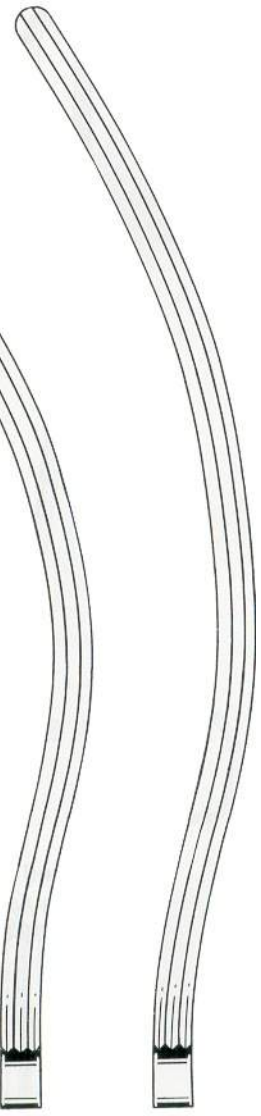
25-08240-28
28 cm/11"



25-08241-22
22 cm/8³/₄"



25-08241-25
25 cm/10"



25-08241-28
28 cm/11"

Pinsmed Atrauma



Kocher-Atrauma



25-08244-22
22 cm/8¾"

25-08244-25
25 cm/10"

25-08244-28
28 cm/11"

25-08245-22
22 cm/8¾"

25-08245-25
25 cm/10"

25-08245-28
28 cm/11"

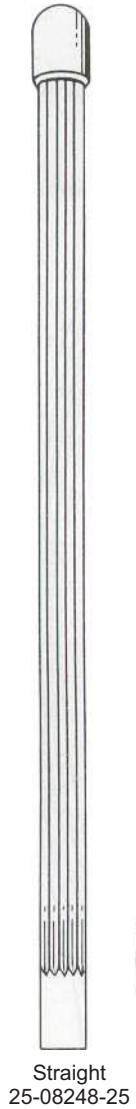


Pylorus spreader

Benson
25-08252-15
15.5 cm/6"



Nussbaum
25 cm/10"



Straight
25-08248-25

Curved
25-08249-25



Allen
25-08253-15 15.5 cm/6"
25-08253-20 20.0 cm/8"



Kleinschmidt
25-08255-12
12 cm/4¾"

Blindgut forceps

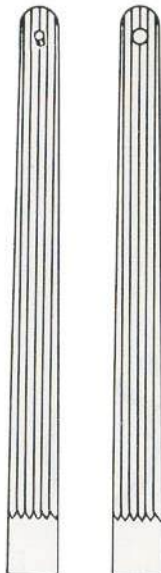


Payr
(Payr-Baby)

For children



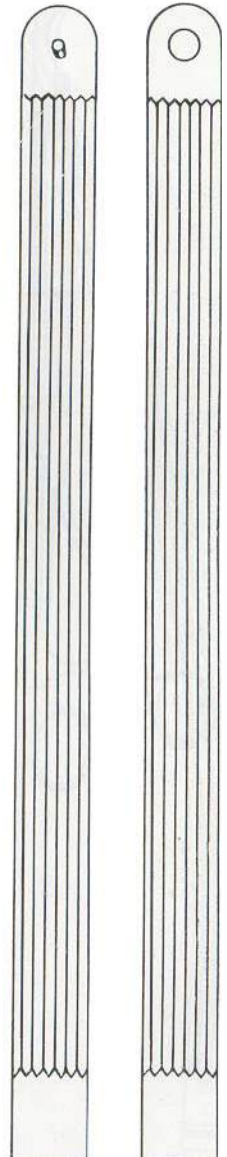
25-08258-15
15 cm/6"



25-08258-21
21 cm/8¼"



25-08258-29
29 cm/11½"



25-08258-35
35 cm/13¾"



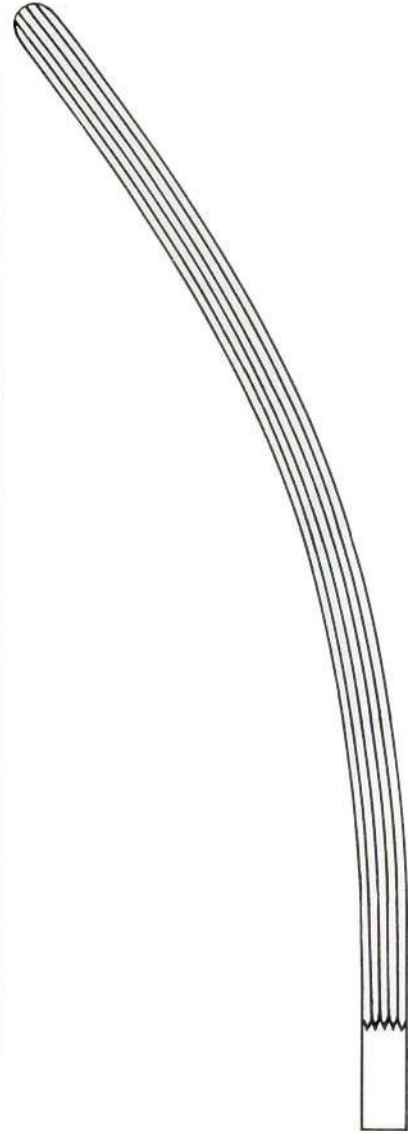
Lane
30 cm/12"



Twin Clamps Forceps



Straight
25-08862-30



Curved
25-08863-30

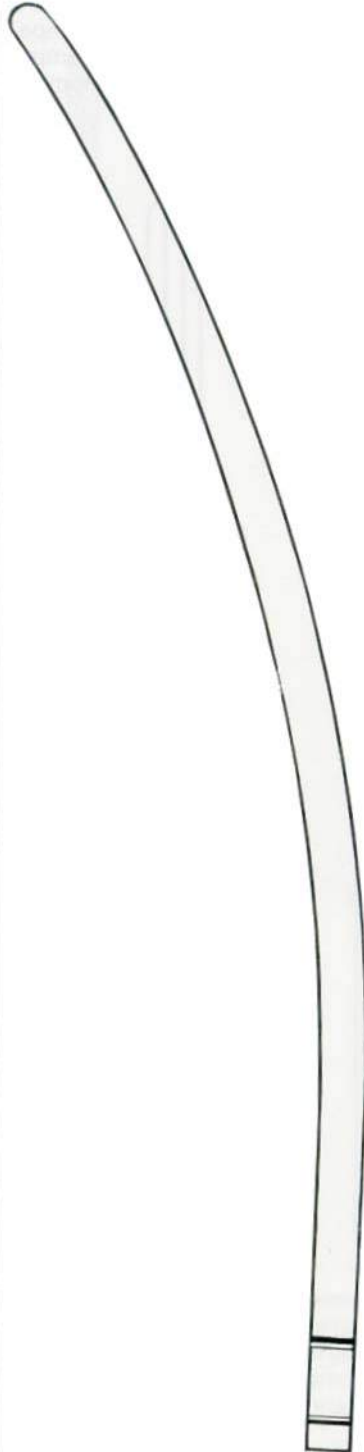
Pinsmed Atrauma



**Scudder
Scudder-Atrauma**
33 cm/13"



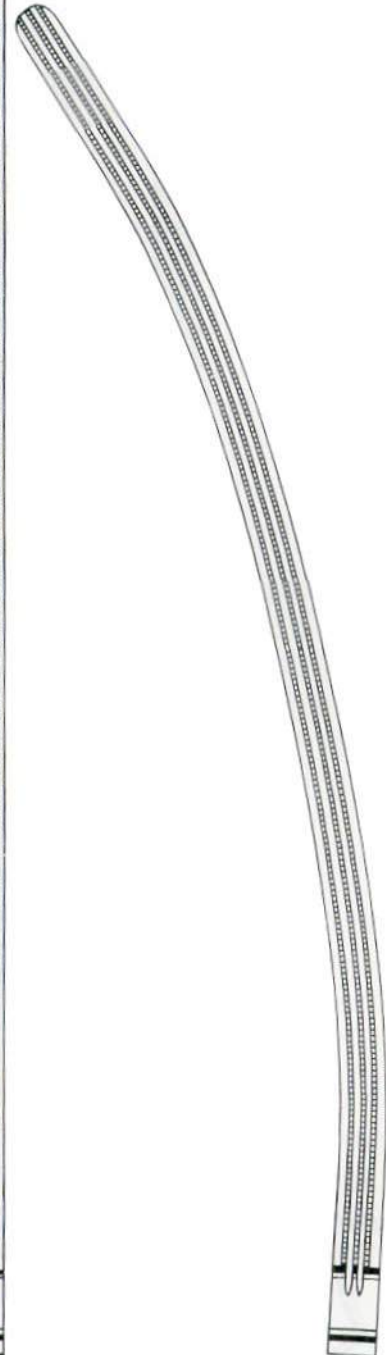
Straight
25-08266-33



Curved
25-08267-33



Straight
25-08270-33



Curved
25-08271-33

Intestinal and Stomach Twin Clamps



Haberer
25-08274-36
36 cm/14"

Straight
25-08278-30

Nussbaum
30 cm/12"

Curved
25-08279-30



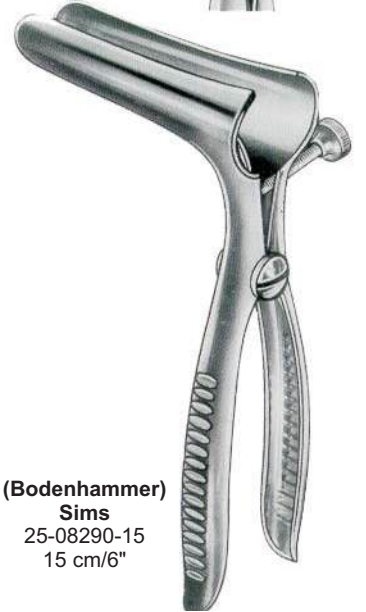
Czerny
25-08282-22
22 cm/8¾"



Pratt
25-08286-20
80 x 25 mm
20.5 cm/8"



Sims
25-08291-15



(Bodenhammer) Sims
25-08290-15
15 cm/6"



Sims
22 cm/8¾"



Mathieu
25-08298-19
90 x 15 mm
19.5 cm/7¾"

Length of Blades

- | | |
|-------------|--------|
| 25-08294-06 | 60 mm |
| 25-08294-08 | 80 mm |
| 25-08294-12 | 125 mm |
| 25-08294-15 | 150 mm |



Barr
25-08302-17
17 cm/6¾"
70 X 22 mm



Smith-Bule
25-08306-15
15 cm/6"

Anuscopes



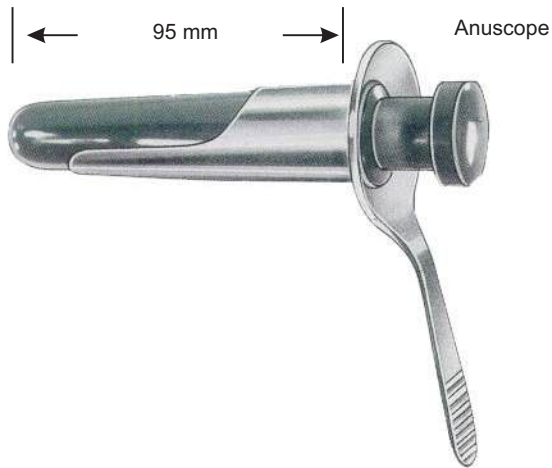
Hirschmann
25-08310-01
25-08310-02
25-08310-03
25-08310-04

Fig. 1 16 mm Ø x 65 mm
Fig. 2 19 mm Ø x 65 mm
Fig. 3 22 mm Ø x 65 mm
Fig. 4 25 mm Ø x 65 mm



Bensaude
25-08314-01
25-08314-02

Fig. 1 19 mm Ø x 70 mm
Fig. 2 22 mm Ø x 70 mm



Ives-Fansler
25-08318-22
22 mm Ø

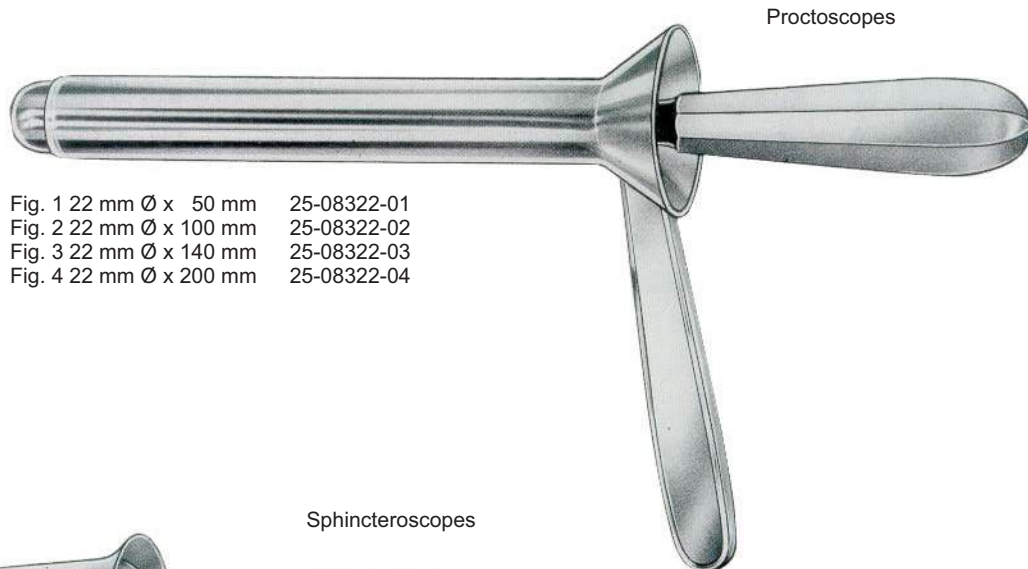


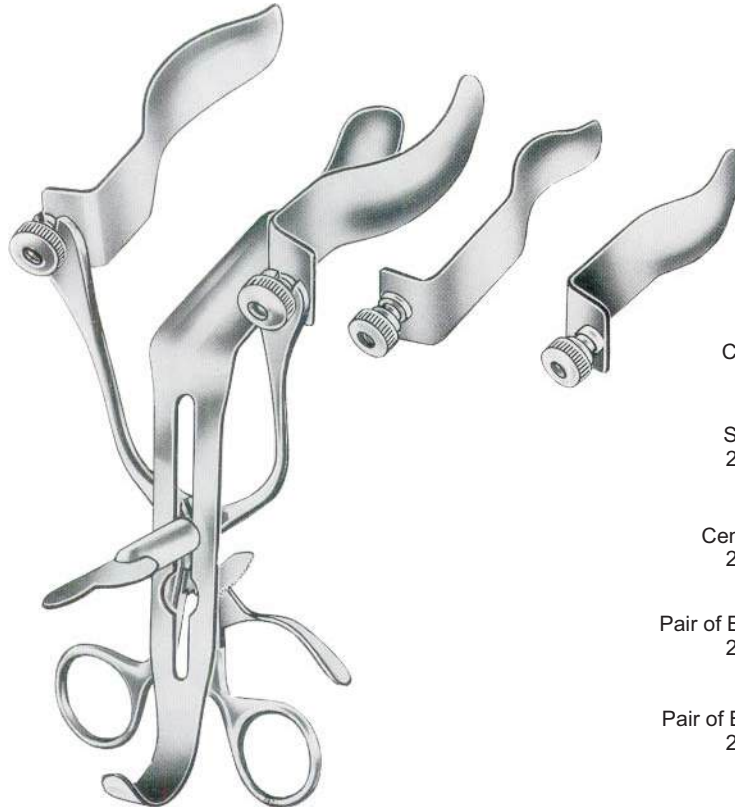
Fig. 1 22 mm Ø x 50 mm	25-08322-01
Fig. 2 22 mm Ø x 100 mm	25-08322-02
Fig. 3 22 mm Ø x 140 mm	25-08322-03
Fig. 4 22 mm Ø x 200 mm	25-08322-04

Kelly



Kelly

Fig. 1 21 mm Ø 50 mm	25-08326-01
Fig. 2 27 mm Ø 50 mm	25-08326-02



Park
25-08330-00
14.5 cm/5¾"

Consisting of:

Spreader only
25-08330-01

Center Blade only
25-08330-02

Pair of Blades Only 75 mm
25-08330-03

Pair of Blades only 95 mm
25-08330-04



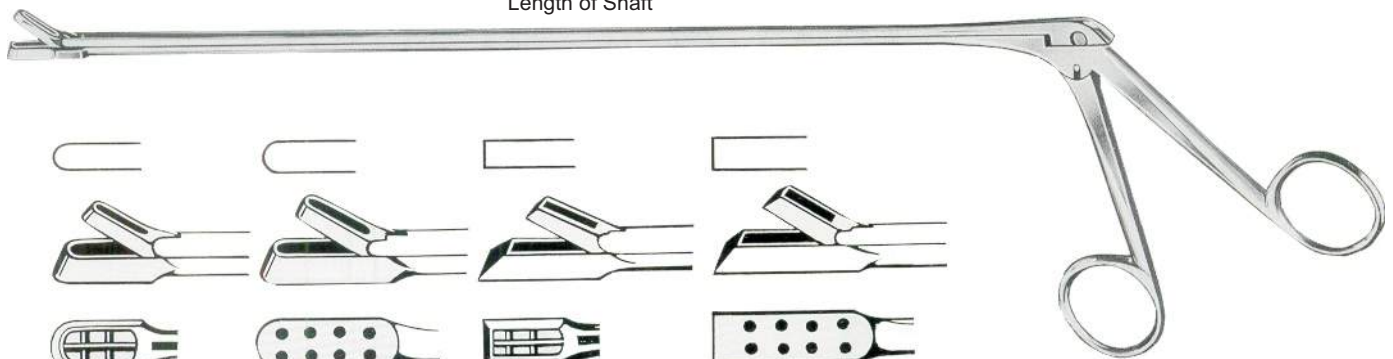
Park
25-08334-00
13 cm/5"

Consisting of:

Spreader only
25-08334-01

Pair of Blades only 95 mm
25-08334-02

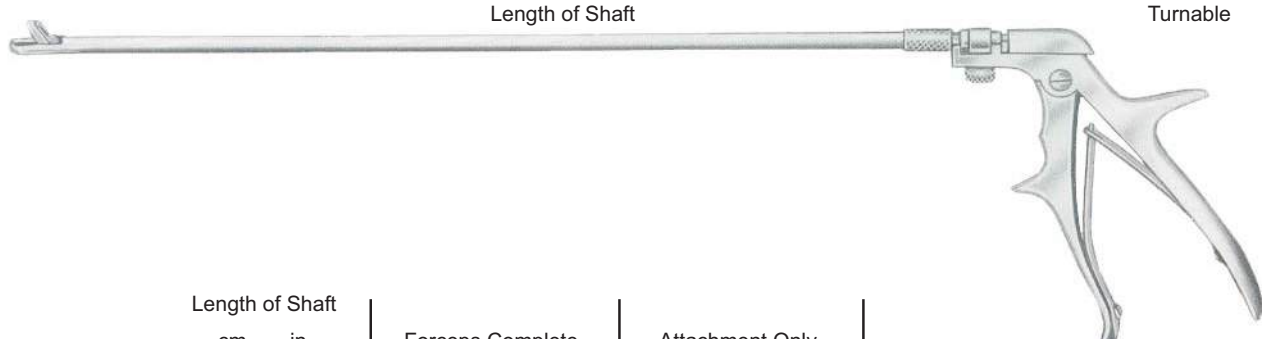
Length of Shaft







		cm	in	
1	2	28	11	Yeoman
25-08338-28	25-08340-28	35	13 ³ / ₄ "	
25-08338-35	25-08340-35	42	16 ¹ / ₂ "	
25-08338-42	25-08340-42			
3	4			
25-08342-28	25-08344-28			
25-08342-35	25-08344-35			
25-08342-42	25-08344-42			

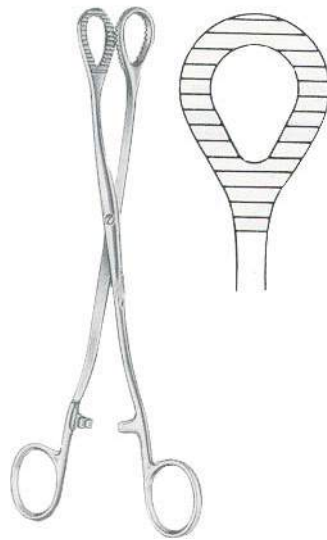
Length of Shaft

Turnable



	Length of Shaft		Forceps Complete	Attachment Only
	cm	in		
	33	13	25-08348-33	25-08358-33
	40	16	25-08348-40	25-08358-40
	33	13	25-08350-33	25-08360-33
	40	16	25-08350-40	25-08360-40
	33	13	25-08352-33	25-08362-33
	40	16	25-08352-40	25-08362-40
	33	13	25-08354-33	25-08364-33
	40	16	25-08354-40	25-08364-40

**Yeoman
(Turrell)**
Handle Only
25-08348-00

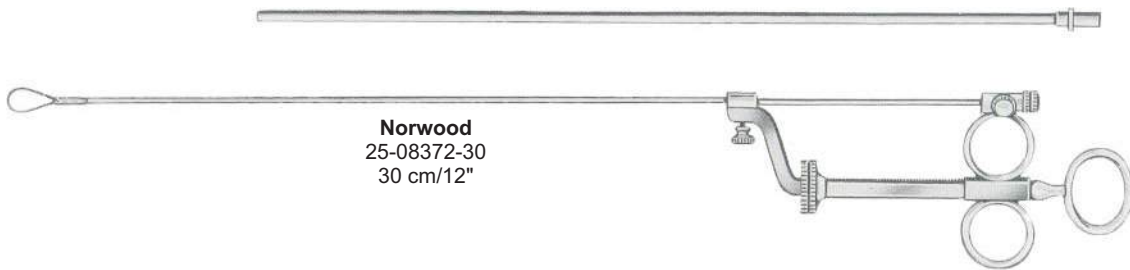


Heywood-Smith
25-08366-21
21 cm/8¼"



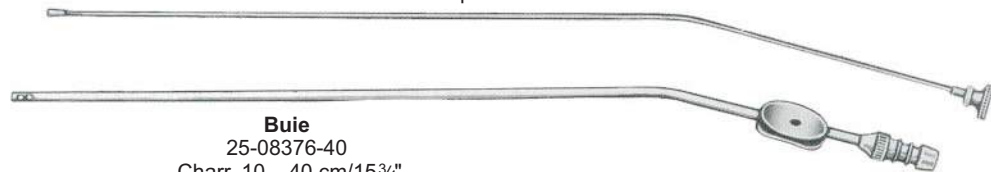
Heywood-Smith
25-08368-21
21 cm/8¼"

Rectal Snare



Norwood
25-08372-30
30 cm/12"

Rectal Aspiration Cannula



Buie
25-08376-40
Charr. 10. 40 cm/15¾"

Rectal Coolers



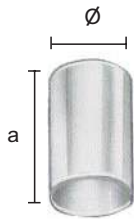
25-08380-01



25-08380-02



Aspiration Tip



	a	∅
25-08384-11	11 mm	10 mm
25-08384-16	16 mm	10 mm

Charging Cone



10 mm ∅

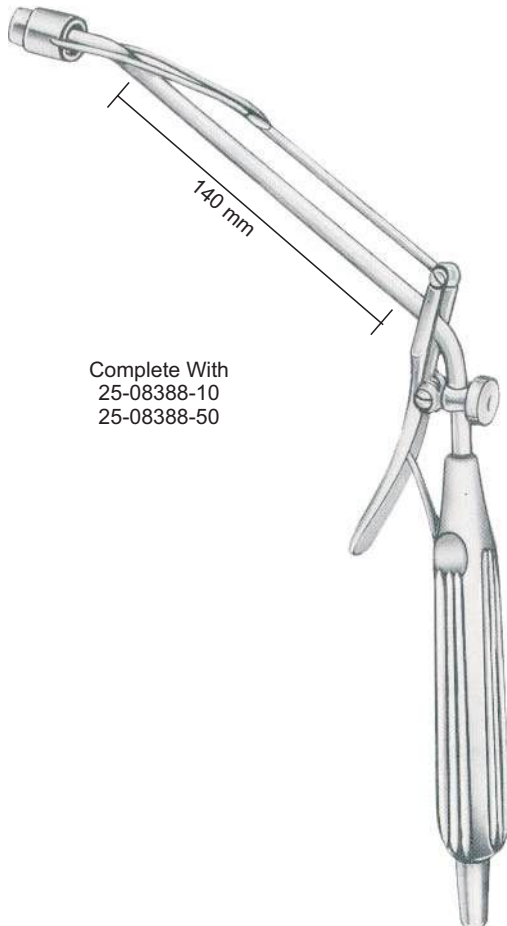
25-08392-10

Charging Cone



12 mm ∅

25-08392-12

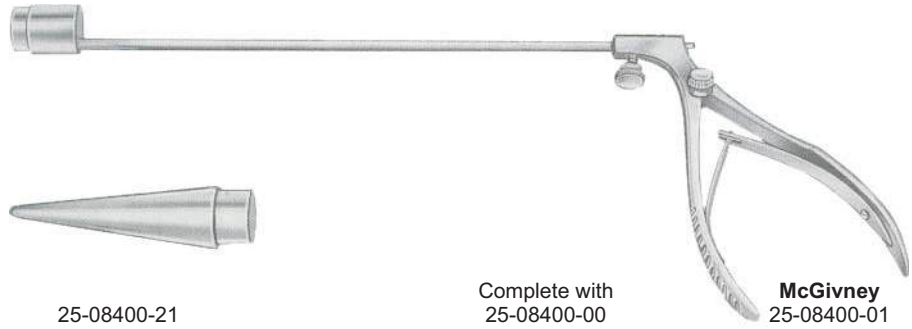


Complete With
25-08388-10
25-08388-50



Complete With
25-08396-00
25-08396-50

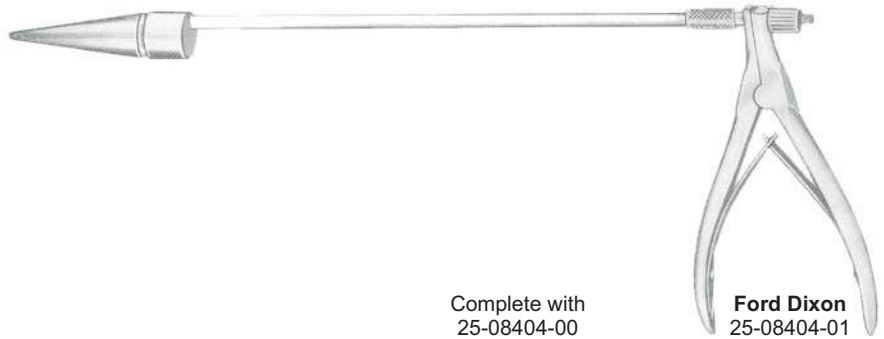
Rudd
31.5 cm/12½"



25-08400-21

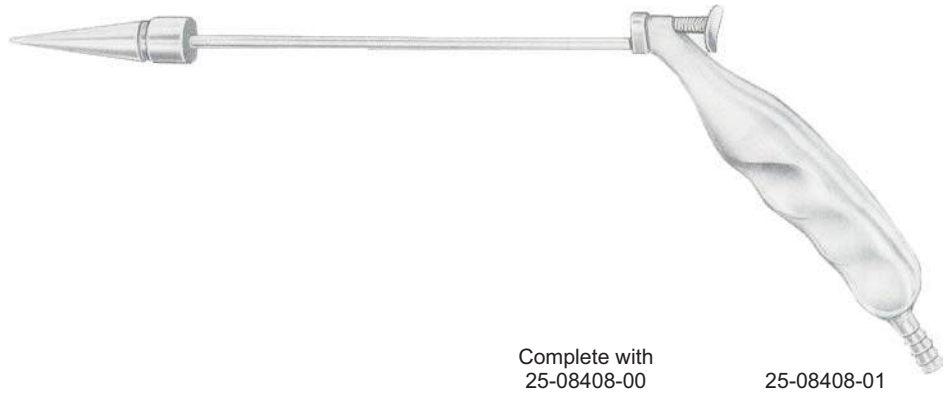
Complete with
25-08400-00

McGivney
25-08400-01



Complete with
25-08404-00

Ford Dixon
25-08404-01



Complete with
25-08408-00

25-08408-01



McGivney
25-08412-19
19 cm/7 1/2"



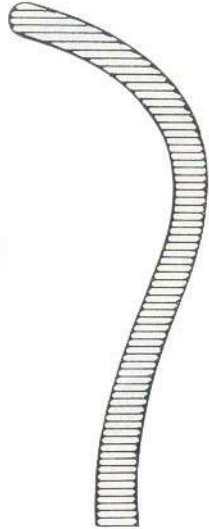
25-08414-00
Ligator rubber rings
in box of 100 pieces



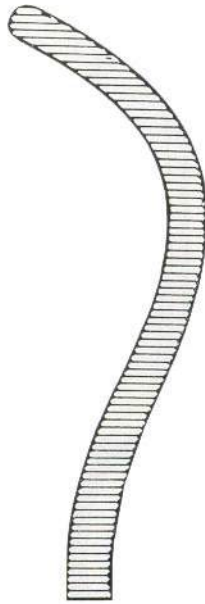
Guyon



26-08416-20
20 cm/8"



26-08416-22
22 cm/8¾"



26-08416-24
24 cm/9½"



26-08418-23
23 cm/9"



26-08418-24
24 cm/9½"

Pinsmed Atrauma



Guyon
26-08420-23
23 cm/9"



Herrick
26-08424-23
23 cm/9"



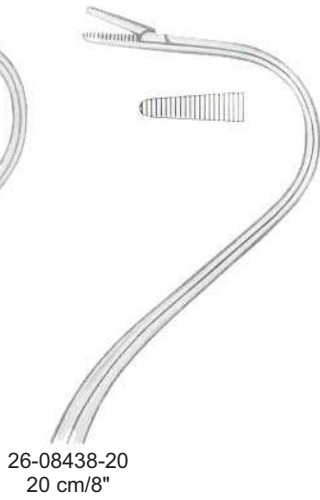
Mayo-Guyon
26-08428-23
23 cm/9"



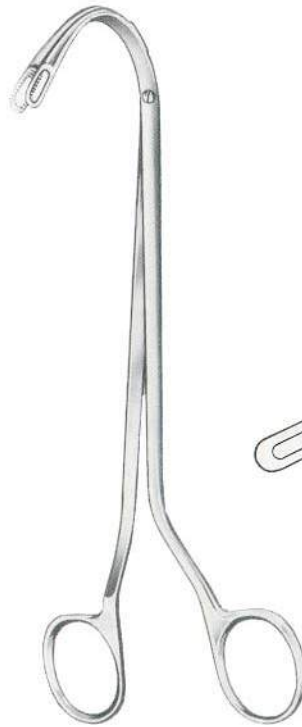
Stille
26-08432-23
23 cm/9"



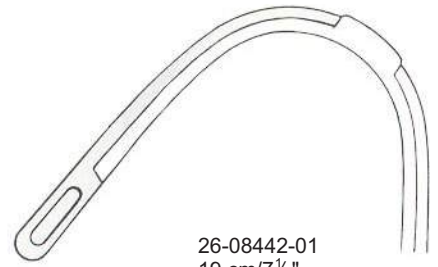
Elsasser
26-08436-20
20 cm/8"



26-08438-20
20 cm/8"



Randall



26-08442-01
19 cm/7½"



26-08442-02
19 cm/7½"



Randall

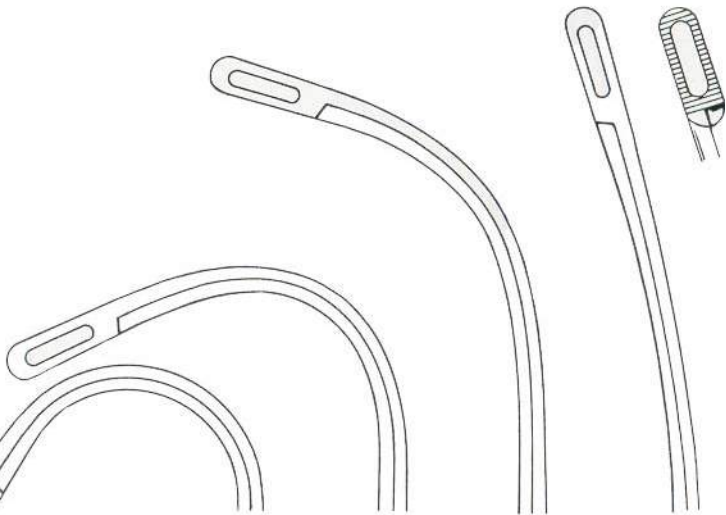


Fig. 4
26-08446-04
22 cm/8¾"

Fig. 3
26-08446-03
22 cm/8¾"

Fig. 2
26-08446-02
22 cm/8¾"

Fig. 1
26-08446-01
23 cm/9"



Gray
26-08450-00

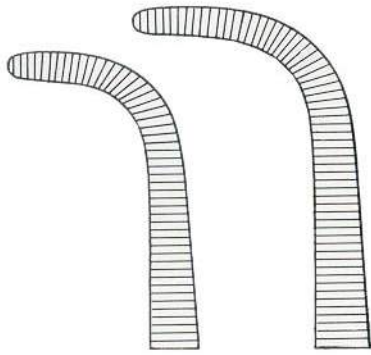


Fig. 1
26-08450-01
22 cm/8¾"

Fig. 2
26-08450-02
23 cm/9"

Set of 2 pieces



Gray
26-08454-00

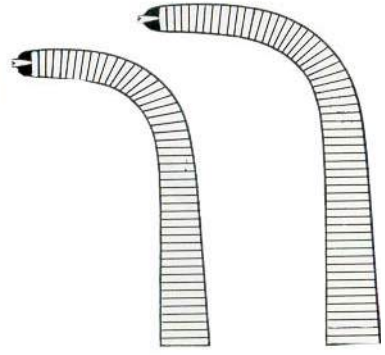


Fig. 1
26-08454-01
22 cm/8¾"

Fig. 2
26-08454-02
23 cm/9"

Set of 2 pieces



Gall duct and
cystic forceps

Desjardins
26-08458-21
21 cm/8¼"



Nissen
26-08462-21
21.5 cm/8½"



Straight **Blake** Curved
26-08466-20 20 cm/8" 26-08467-20



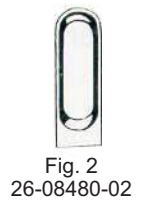
Straight **Mayo-Blake** Curved
26-08472-20 20 cm/8" 26-08473-20



Czerny
26-08476-24
24.5 cm/9¾"



Desjardins
23 cm/9"





mm	
1	26-08488-01
2	26-08488-02
3	26-08488-03
4	26-08488-04
5	26-08488-05
6	26-08488-06
7	26-08488-07
8	26-08488-08
9	26-08488-09
10	26-08488-10
11	26-08488-11
12	26-08488-12
13	26-08488-13

26-08488-00
set of 9 pieces

26-08488-03 to 26-08488-11

26-08490-00
set of 9 pieces in canvas pocket

Elastic



Desjardins
30 cm/12"



Fig. 1
26-08492-01



Fig. 2
26-08492-02



Fig. 3
26-08492-03



Fig. 4
26-08492-04

Malleable



Luer-Koerte
32 cm/12½"



26-08496-02
2.5 mm



26-08496-03
3.2 mm



26-08496-04
4.2 mm



26-08496-05
5.5 mm



26-08496-06
6.7 mm



26-08496-08
8.0 mm



26-08496-11
11 mm



26-08496-15
15 mm

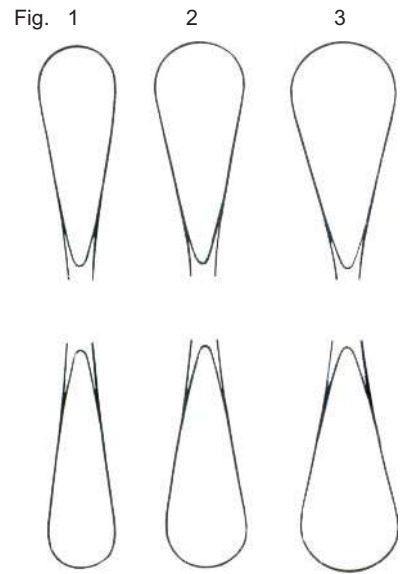


Fig.
1 26-08508-01
2 26-08508-02
3 26-08508-03

Malleable



Mayo
26-08500-28
28 cm/11"



Mayo
26.5 cm/10½"



Fig. 1
26-08504-01



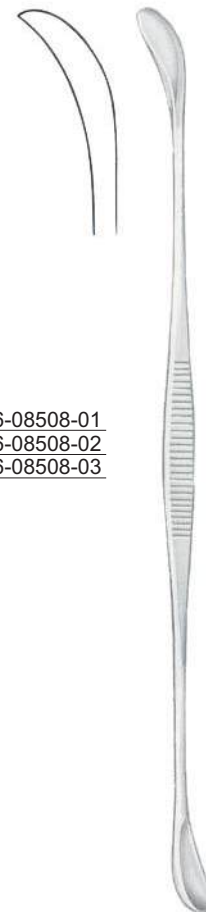
Fig. 2
26-08504-02



Fig. 3
26-08504-03



Moore
26-08506-28
28 cm/11"



Fergusson
24 cm/9½"



Young
26-08510-21
21 cm/8 1/4"



Young
26-08512-22
22 cm/8 3/4"



Young
26-08514-21
21 cm/8 1/4"



Young
26-08514-22
22 cm/8 3/4"



Millin
26-08516-23
23 cm/9"



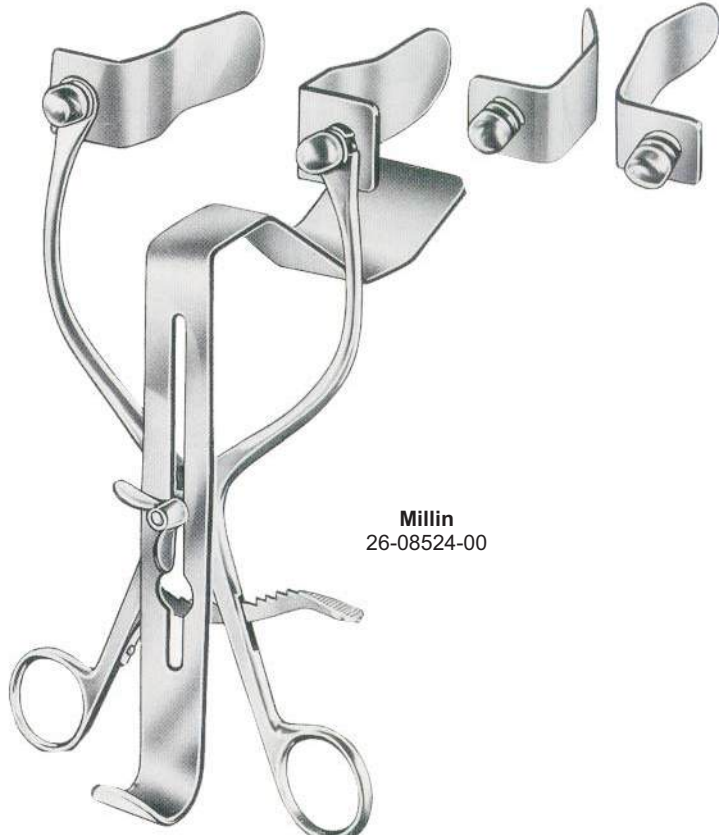
Millin
26-08518-23
23 cm/9"



Millin
26-08520-23
23 cm/9"



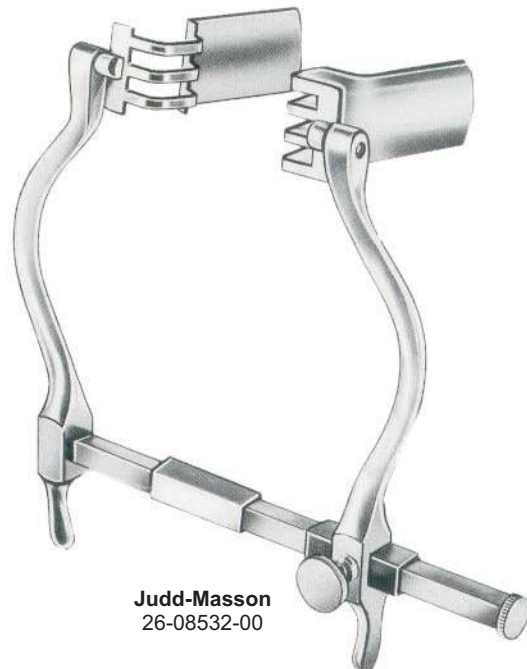
Millin
26-08522-24
24 cm/9½"



Millin
26-08524-00



Legueu
26-08528-00



Judd-Masson
26-08532-00



Judd-Masson
26-08536-00



Thomson-Walker
26-08540-00



Legueu
26-08544-27
27 cm/10½"
35 mm



Kocher
26-08548-26
26 cm/10¼"
67 mm

Charriere (French)

mm Ø	Charriere (French)
2 2/3	8
3	9
3 1/3	10
3 2/3	11
4	12
4 1/3	13
4 2/3	14
5	15
5 1/3	16
5 2/3	17
6	18
6 1/3	19
6 2/3	20
7	21
7 1/3	22
7 2/3	23
8	24
8 1/3	25
8 2/3	26
9	27
9 1/3	28
9 2/3	29
10	30
10 1/3	32
11 2/3	34
12	36



Van Buren
Charrier (French)
No. 8-36
26-08552-08
26-08552-36
28 cm/11"
In Canvas Pouch
26-08552-50
Set of 6
6 Pcs. 26-08552-14/24
26-08552-24

26-08552-60
Set of 12
12 Pcs 26-08552-08/30
26-08552-36

26-08552-08
26-08552-10
26-08552-12
26-08552-14
26-08552-16
26-08552-18
26-08552-20
26-08552-22
26-08552-24
26-08552-26
26-08552-28
26-08552-30
26-08552-32
26-08552-34
26-08552-36



Dittel
Charriere (French)
No. 8-30
26-08554-08
26-08554-30
19.5 cm/7 1/2"

Straight

26-08554-08
26-08554-09
26-08554-10
26-08554-11
26-08554-12
26-08554-13
26-08554-14
26-08554-15
26-08554-16
26-08554-17
26-08554-18
26-08554-19
26-08554-20
26-08554-21
26-08554-22
26-08554-23
26-08554-24
26-08554-25
26-08554-26
26-08554-27
26-08554-28
26-08554-29
26-08554-30

Curved

26-08556-08
26-08556-09
26-08556-10
26-08556-11
26-08556-12
26-08556-13
26-08556-14
26-08556-15
26-08556-16
26-08556-17
26-08556-18
26-08556-19
26-08556-20
26-08556-21
26-08556-22
26-08556-23
26-08556-24
26-08556-25
26-08556-26
26-08556-27
26-08556-28
26-08556-29
26-08556-30



Dittel
Charriere (French)
No. 8-30
26-08556-08
26-08556-30
34.5 cm/13 1/2"

For men



26-08560-06
26-08560-24

For Women



	mm Ø	Charriere (French)	
26-08560-06	2	6	26-08562-06
26-08560-07	2 $\frac{1}{3}$	7	26-08562-07
26-08560-08	2 $\frac{2}{3}$	8	26-08562-08
26-08560-09	3	9	26-08562-09
26-08560-10	3 $\frac{1}{3}$	10	26-08562-10
26-08560-11	3 $\frac{2}{3}$	11	26-08562-11
26-08560-12	4	12	26-08562-12
26-08560-13	4 $\frac{1}{3}$	13	26-08562-13
26-08560-14	4 $\frac{2}{3}$	14	26-08562-14
26-08560-15	5	15	26-08562-15
26-08560-16	5 $\frac{1}{3}$	16	26-08562-16
26-08560-17	5 $\frac{2}{3}$	17	26-08562-17
26-08560-18	6	18	26-08562-18
26-08560-19	6 $\frac{1}{3}$	19	26-08562-19
26-08560-20	6 $\frac{2}{3}$	20	26-08562-20
26-08560-21	7	21	26-08562-21
26-08560-22	7 $\frac{1}{3}$	22	26-08562-22
26-08560-23	7 $\frac{2}{3}$	23	26-08562-23
26-08560-24	8	24	26-08562-24

Catheter Introducing Instruments

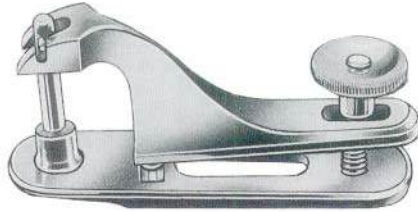


Guyon
26-08566-39
39 cm/15 $\frac{1}{2}$ "



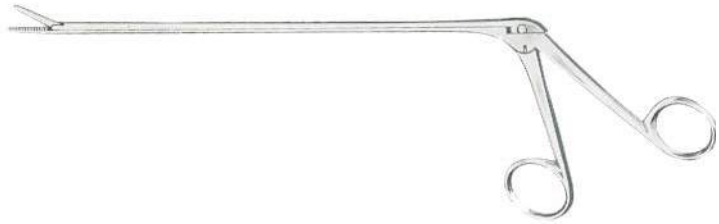
Guyon
26-08568-35
35 cm/13 $\frac{3}{4}$ "

Circumcision Instruments



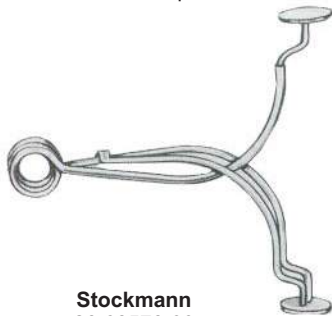
- | | |
|-------------|-------|
| 26-08572-08 | 08 mm |
| 26-08572-11 | 11 mm |
| 26-08572-13 | 13 mm |
| 26-08572-16 | 16 mm |
| 26-08572-21 | 21 mm |
| 26-08572-26 | 26 mm |
| 26-08572-32 | 32 mm |

Foreign Body Forceps

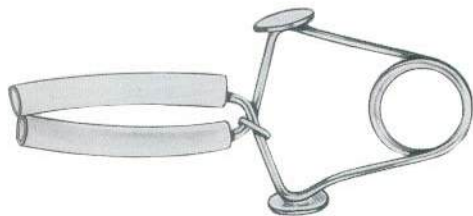


Mathieu
26-08584-20

Penis Clamps



Stockmann
26-08576-00



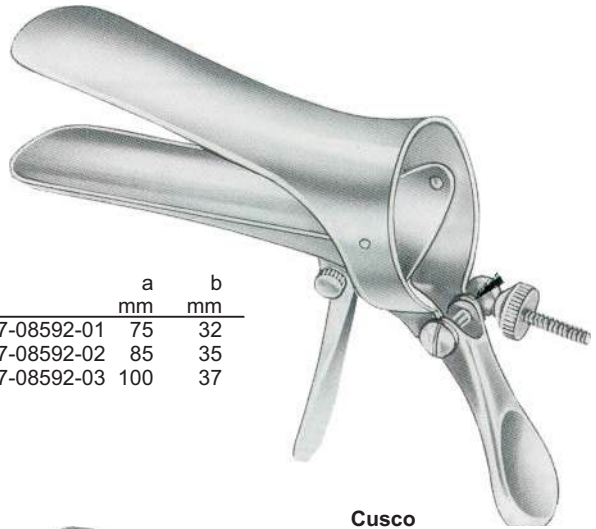
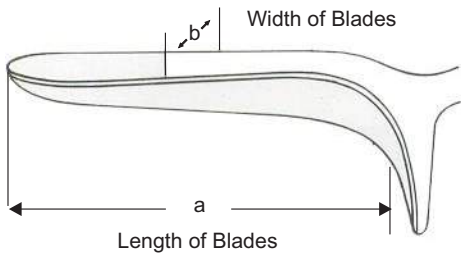
Strauss
26-08580-00

Secretion Scoop



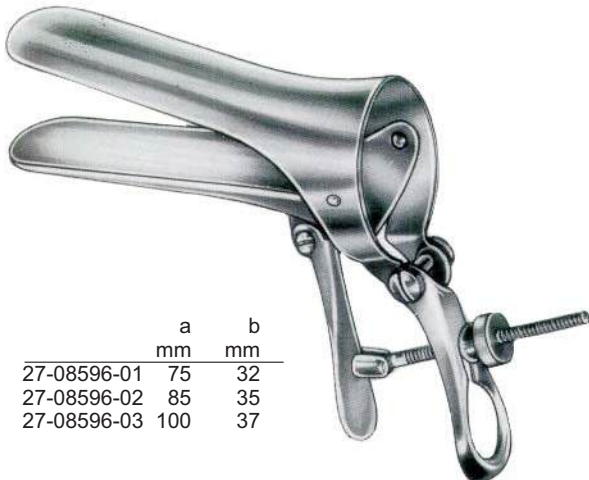
Guttman
26-08588-26
26.5 cm/10½"

Scheme of Dimensions for Specula



	a mm	b mm
27-08592-01	75	32
27-08592-02	85	35
27-08592-03	100	37

Cusco



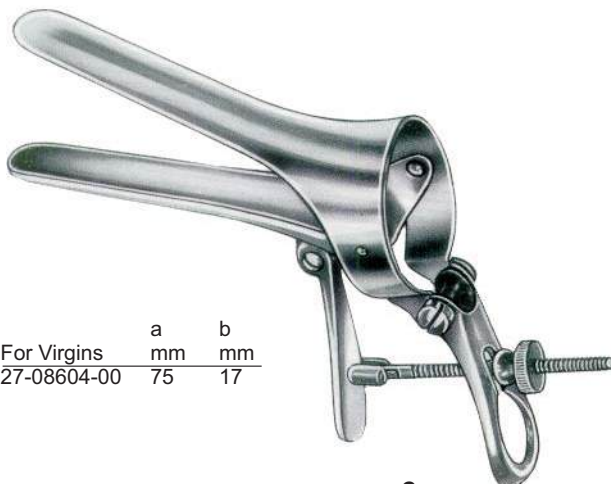
	a mm	b mm
27-08596-01	75	32
27-08596-02	85	35
27-08596-03	100	37

Cusco



For Virgins	a mm	b mm
27-08600-00	75	17

Cusco



For Virgins	a mm	b mm
27-08604-00	75	17

Cusco



	a mm	b mm
27-08608-01	90	23-25
27-08608-02	100	25-27
27-08608-03	110	27-30

Cusco
Swiss Pattern



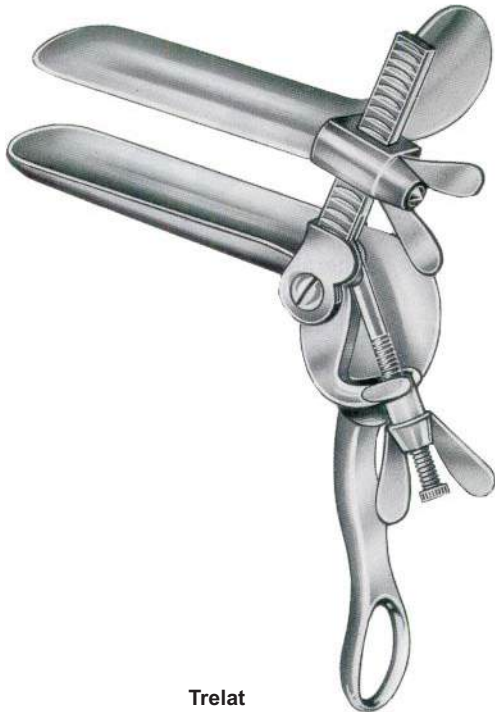
Collin-Landau

	a mm	b mm
27-08612-01	85	30
27-08612-02	100	35
27-08612-03	110	40



Collin

	a mm	b mm
27-08616-01	85	30
27-08616-02	100	35
27-08616-03	110	40



Trelat

	a mm	b mm
27-08620-01	85	33
27-08620-02	95	35
27-08620-03	115	43



Grave (Standard)

	a mm	b mm
27-08624-01	75	20
27-08624-02	95	30
27-08624-03	115	35
27-08624-04	125	35

Insulated

Black



Grave	a mm	b mm
27-08628-01	75	20
27-08628-02	95	30
27-08628-03	115	35



Grave	a mm	b mm
Angled 135° 27-08632-00	101	35



Grave
Right Side open

Grave
Right Side open Angled

	a mm	b mm
27-08636-01	101	35
27-08636-02		

Lateral Specula

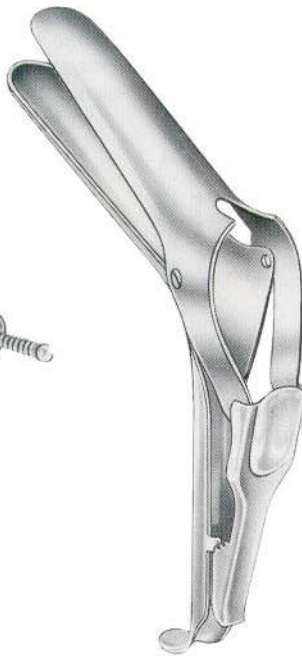


27-08640-00



Pederson

	a	b
	mm	mm
27-08644-01	75	13
27-08644-02	100	22
27-08644-03	120	25



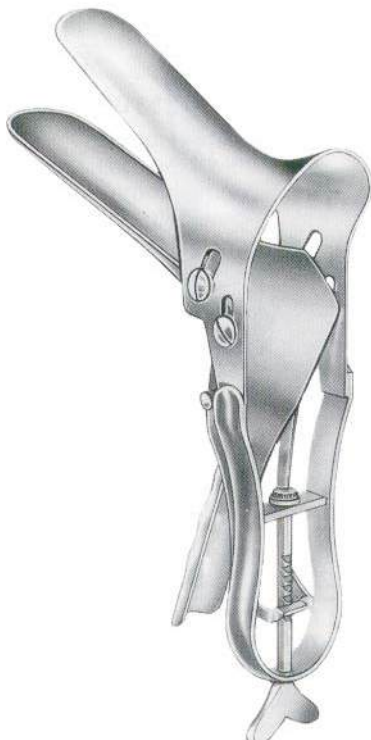
Semm

	a	b
	mm	mm
27-08648-01	90	14/18
27-08648-02	100	17/20
27-08648-03	100	25/30



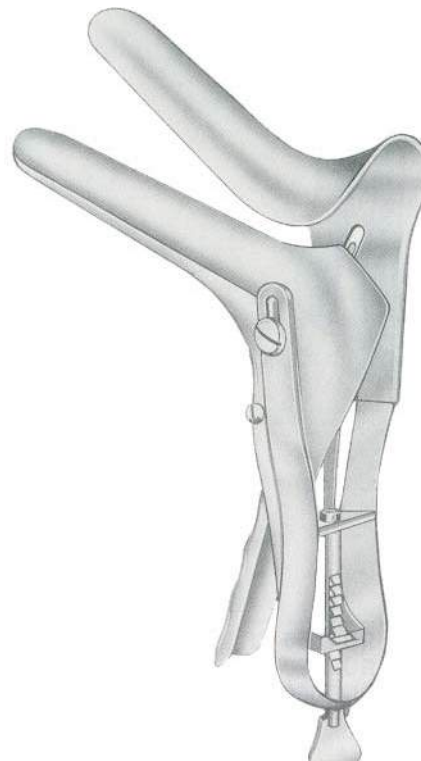
Nott

	a	b
	mm	mm
27-08652-01	90	30
27-08652-02	110	30



Seyffert

	a	b
	mm	mm
27-08656-01	100	17
27-08656-02	110	33

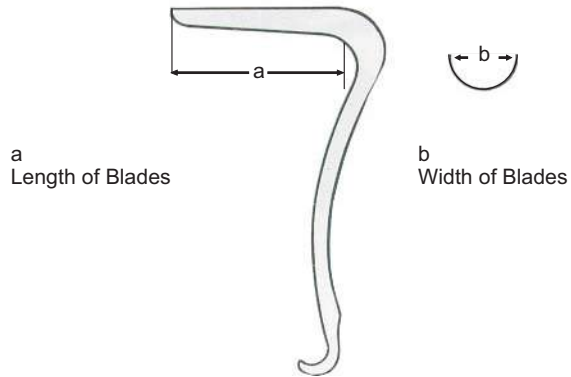


One Side open

Seyffert

	a	b
	mm	mm
27-08658-02	110	33

Scheme of Dimensions for Specula



Sims
27-08662-01 63 x 32 mm
27-08662-02 76 x 32 mm
27-08662-03 89 x 38 mm



Sims

	Fig	a mm	b mm
27-08666-01	1	60	25+30
27-08666-02	2	70	30+35
27-08666-03	3	80	35+40



Jackson

	Fig.	a mm	b mm
27-08670-01	1	75 X 40	
27-08670-02	2	90 X 40	
27-08670-03	3	100 X 40	



Eastman

	Fig.	a mm	b mm
27-08674-01	1	76	38
27-08674-02	2	89	38
27-08674-03	3	101	38

For children



Set

Kristeller
27-08678-00
70x15 mm



Specula

Retractor

Kristeller
(Standard)

Set of 1 specula and 1 retractor

Fig. 1 27-08682-00

Fig. 2 27-08684-00

Fig. 3 27-08686-00

Specula

	Fig.	a mm	b mm
27-08682-01	1	70	27
27-07684-01	2	75	30
27-07686-01	3	90	36

Retractors

	Fig.	a mm	b mm
27-08682-02	1	75	23
27-07684-02	2	80	26
27-07686-02	3	95	32



With conically shaped blades for virgins

Kristeller

Set of 1 specula and 1 retractor

Fig. 00 27-08690-00
Fig. 0 27-08692-00

Specula

	Fig.	a	b
		mm	mm
27-08690-01	00	110	18
27-08692-01	0	110	21

Retractors

	Fig.	a	b
		mm	mm
27-08690-02	00	115	14
27-08692-02	0	115	17



With extra long blades

**Kristeller
(Standard)**

Set of 1 specula and 1 retractor

Fig. 1 27-08696-00
Fig. 2 27-08698-00
Fig. 3 27-08700-00

Specula

	Fig.	a	b
		mm	mm
27-08696-01	1	110	27
27-08698-01	2	110	30
27-08700-01	3	110	36

Retractors

	Fig.	a	b
		mm	mm
27-08696-02	1	115	23
27-08698-02	2	115	26
27-08700-02	3	115	32



Set of 1 specula and 1 retractor

Fig. 1 27-08704-00

Fig. 2 27-08706-00

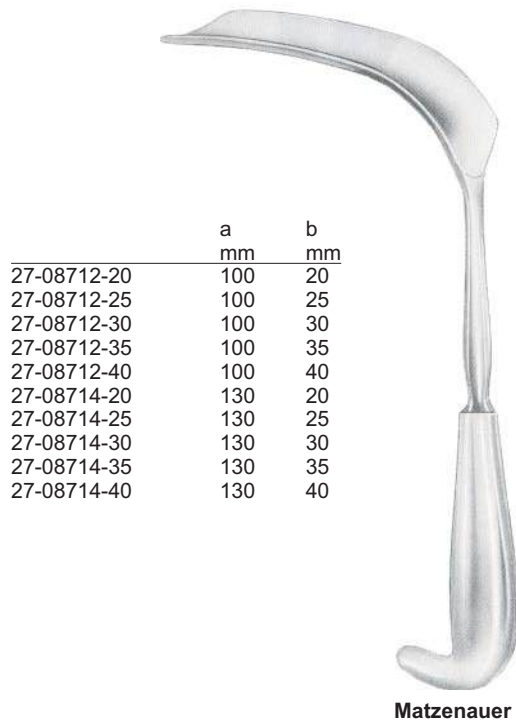
Fig. 3 27-08708-00

Specula

	Fig.	a	b
		mm	mm
27-08704-01	1	110	27
27-08706-01	2	110	30
27-08708-01	3	110	36

Retractors

	Fig.	a	b
		mm	mm
27-08704-02	1	115	23
27-08706-02	2	115	26
27-08708-02	3	115	32



	a	b
	mm	mm
27-08712-20	100	20
27-08712-25	100	25
27-08712-30	100	30
27-08712-35	100	35
27-08712-40	100	40
27-08714-20	130	20
27-08714-25	130	25
27-08714-30	130	30
27-08714-35	130	35
27-08714-40	130	40



27-08718-18
18 cm/7"
56x13 mm



Braun
27-08722-18
18 cm/7"
60x10 mm



Ulrich
27-08726-19
19.5 cm/7½"
80x20 mm



27-08730-19
19 cm/7½"
85x17 mm



Set

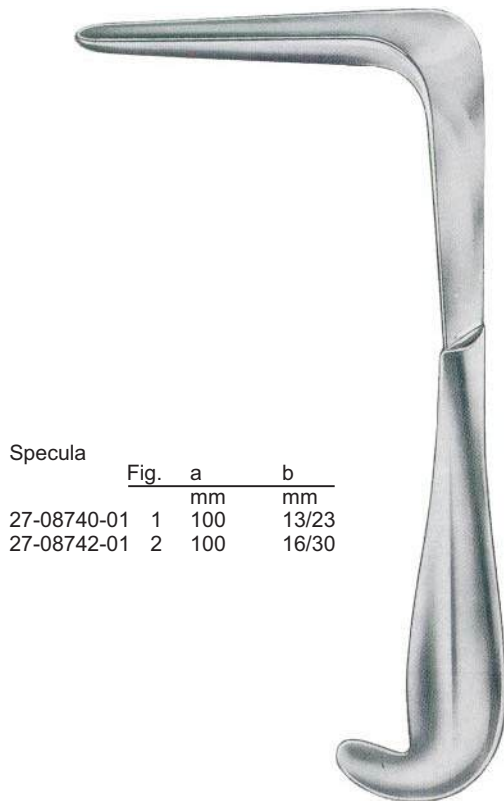
27-08734-00 Fig. 1
27-08736-00 Fig. 2

Specula

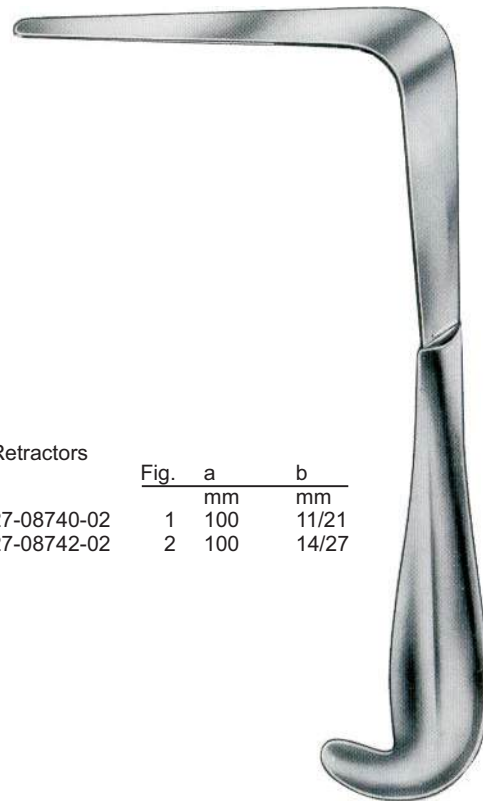
	Fig.	a		b	
		mm	mm	mm	mm
27-08734-01	1	70	40		
27-08736-01	2	90	40		

Retractors

	Fig.	a		b	
		mm	mm	mm	mm
27-08734-02	1	70	33		
27-08736-02	2	90	33		



Mathieu

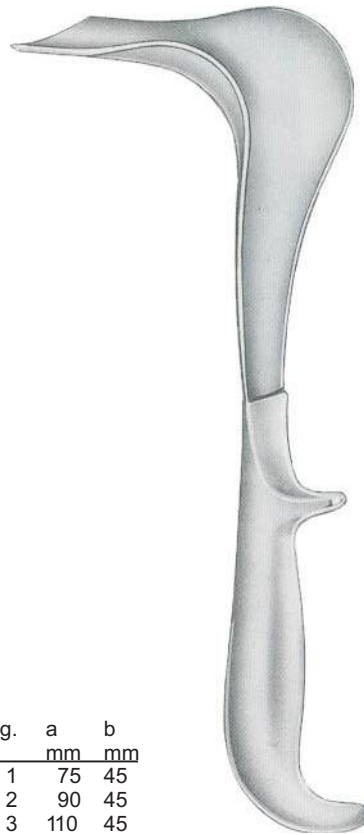


Mathieu

Specula	Fig.	a	b
		mm	mm
27-08740-01	1	100	13/23
27-08742-01	2	100	16/30

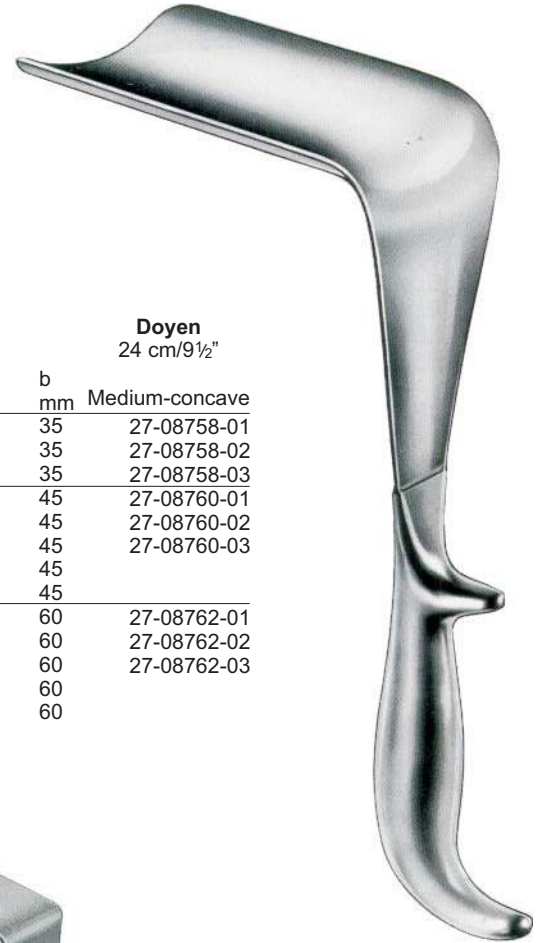
Retractors	Fig.	a	b
		mm	mm
27-08740-02	1	100	11/21
27-08742-02	2	100	14/27

Set	Fig.	mm
Fig. 1	27-08740-00	
Fig. 2	27-08742-00	



Doyen

	Fig.	a	b
		mm	mm
27-08746-01	1	75	45
27-08746-02	2	90	45
27-08746-03	3	110	45



Doyen 24 cm/9½"		Fig.	a mm	b mm	Doyen 24 cm/9½"	
slightly-concave					Medium-concave	
27-08750-01	1		55	35	27-08758-01	
27-08750-02	2		85	35	27-08758-02	
27-08750-03	3		115	35	27-08758-03	
27-08752-01	1		55	45	27-08760-01	
27-08752-02	2		85	45	27-08760-02	
27-08752-03	3		115	45	27-08760-03	
27-08752-04	4		160	45		
27-08752-05	5		180	45		
27-08754-01	1		55	60	27-08762-01	
27-08754-02	2		85	60	27-08762-02	
27-08754-03	3		115	60	27-08762-03	
27-08754-04	4		160	60		
27-08754-05	5		180	60		



Doyen
25 cm/10"

	a mm	b mm
27-08766-01	60	30
27-08766-02	70	30
27-08766-03	80	30



Auvard
with removable weight
27-08770-01
80x38 mm
27-08770-02
105x42 mm



Auvard
with fixed weight
27-08772-01
70x38 mm
27-08772-02
102x45 mm



Landau

	a mm	b mm
27-08776-01	100	28
27-08776-02	100	38



Breisky

	a mm	b mm
27-08780-20	100	20
27-08780-25	100	25
27-08780-30	100	30
27-08780-35	100	35
27-08780-40	100	40
27-08782-20	130	20
27-08782-25	130	25
27-08782-30	130	30
27-08782-35	130	35
27-08782-40	130	40
27-08784-20	160	20
27-08784-25	160	25
27-08784-30	160	30
27-08784-35	160	35
27-08784-40	160	40
27-08786-20	180	20
27-08786-25	180	25
27-08786-30	180	30
27-08786-35	180	35
27-08786-40	180	40

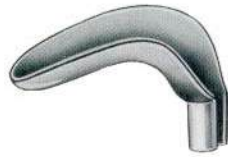


Scherbak
27-08790-00

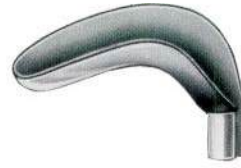
Complete



27-08790-01
80x30 mm



27-08790-02
85x35 mm



27-08790-03
90x40 mm



27-08790-04
55x40/60 mm



27-08790-05
70x45/70 mm



	Fig.	a mm	b mm
27-08794-01	1	45	17
27-08794-02	2	90	37
27-08794-03	3	90	45



O'Sullivan-O'Connor
27-08794-00
Complete



Hegar

mmØ		mmØ	
1.0	27-08798-01	1.5	27-08800-01
2.0	27-08798-02	2.5	27-08800-02
3.0	27-08798-03	3.5	27-08800-03
4.0	27-08798-04	4.5	27-08800-04
5.0	27-08798-05	5.5	27-08800-05
6.0	27-08798-06	6.5	27-08800-06
7.0	27-08798-07	7.5	27-08800-07
8.0	27-08798-08	8.5	27-08800-08
9.0	27-08798-09	9.5	27-08800-09
10.0	27-08798-10	10.5	27-08800-10
11.0	27-08798-11	11.5	27-08800-11
12.0	27-08798-12	12.5	27-08800-12
13.0	27-08798-13	13.5	27-08800-13
14.0	27-08798-14	14.5	27-08800-14
15.0	27-08798-15	15.5	27-08800-15
16.0	27-08798-16	16.5	27-08800-16
17.0	27-08798-17	17.5	27-08800-17
18.0	27-08798-18	18.5	27-08800-18
19.0	27-08798-19	19.5	27-08800-19
20.0	27-08798-20		
21.0	27-08798-21		
22.0	27-08798-22		
23.0	27-08798-23		
24.0	27-08798-24		
25.0	27-08798-25		
26.0	27-08798-26		
27.0	27-08798-27		
28.0	27-08798-28		
29.0	27-08798-29		
30.0	27-08798-30		

Pieces per set		set
27-08798-50	14	4.0-17.0 mm
27-08798-60	26	1.0-26.0 mm



Hegar

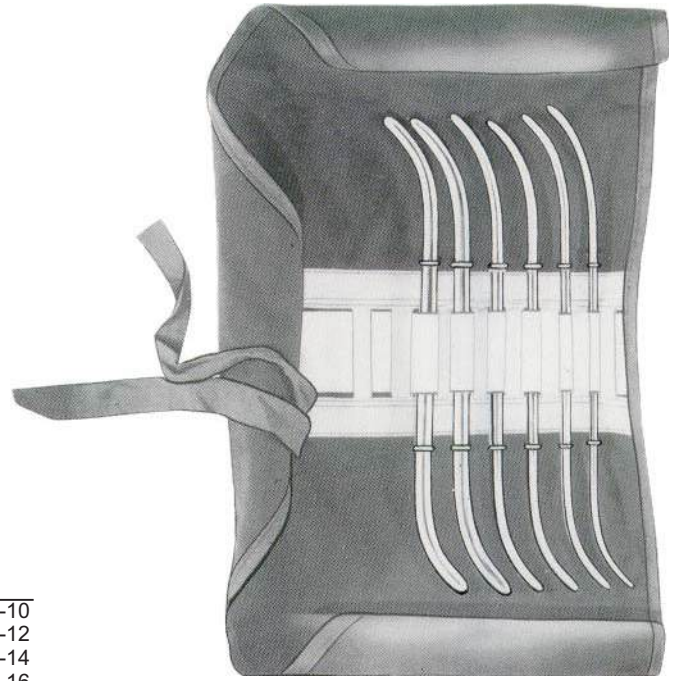
Ø mm	
1.0/2.0	27-08804-02
3.0/4.0	27-08804-04
5.0/6.0	27-08804-06
7.0/8.0	27-08804-08
9.0/10.0	27-08804-10
11.0/12.0	27-08804-12
13.0/14.0	27-08804-14
15.0/16.0	27-08804-16
17.0/18.0	27-08804-18
19.0/20.0	27-08804-20
21.0/22.0	27-08804-22
23.0/24.0	27-08804-24
25.0/26.0	27-08804-26

Pieces per set		set
27-08804-00	08	3.0/4.0-17.0/18.0 mm
27-08806-00	13	1.0/2.0-25.0/26.0 mm



Hank
27-08810-00

Fig.	mm	
9/10	4.5/5	27-08810-10
11/12	5.5/6	27-08810-12
13/14	6.5/7	27-08810-14
15/16	7.5/8	27-08810-16
17/18	8.5/9	27-08810-18
19/20	9.5/10	27-08810-20

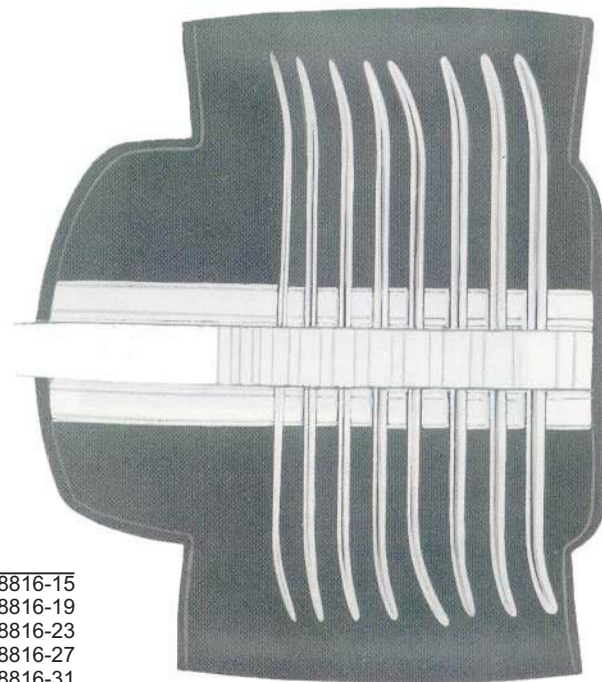


Set
27-08810-00

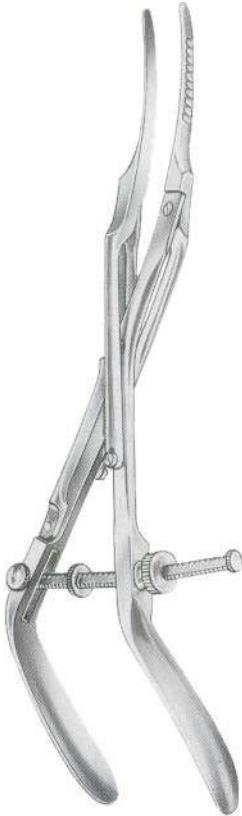


Pratt

Fig.	mm	
13/15	4.5/5.0	27-08816-15
17/19	5.6/6.3	27-08816-19
21/23	7.0/7.6	27-08816-23
25/27	8.3/9.0	27-08816-27
29/31	9.6/10.3	27-08816-31
33/35	11.0/11.6	27-08816-35
37/39	12.3/13.0	27-08816-39
41/43	13.6/14.3	27-08816-43



Set
27-08816-00



Goodell
27-08820-34
34 cm/13½"

Black Insulated



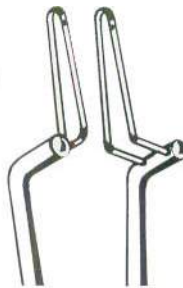
Kogan-Laser
28 cm/11"



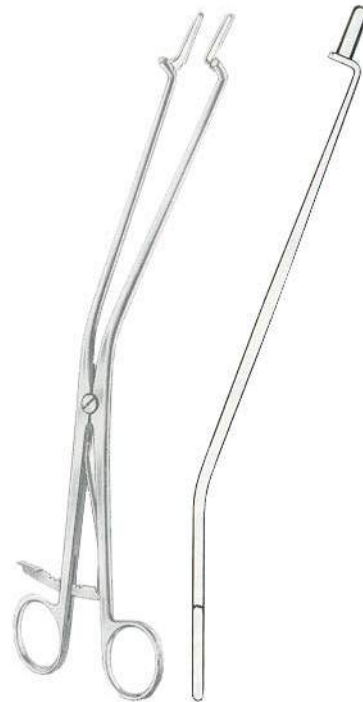
27-08826-28
28 cm/11"



Kogan
27-08830-24
24 cm/9½"



Kogan
27-08832-24
24 cm/9½"



Kogan
28 cm/11"



Uterine Depressor



Sims
32 cm/12½"



Martin (Simpson)
32 cm/12½"



Valleix
27-08858-25
25 cm/10"



Collin
27-08862-28
28 cm/11"



Braun
27-08866-28
28 cm/11"

Rigid	cm	cm
	27-08842-32	27-08850-32

Malleable	cm / in	cm / in
	27-08844-32	27-08852-32
	27-08846-32	27-08854-32

Laser Probes



27-08870-01



90°

27-08870-02



45°

27-08870-03



20°

Measuring Probe



27-08872-01

Laser Probe



27-08874-01



90°

27-08874-02



45°

27-08874-03



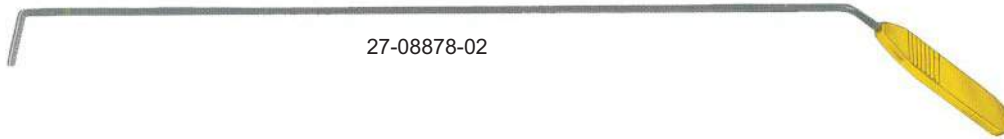
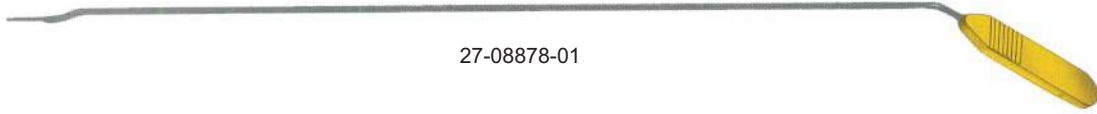
20°

Depth Ruler



27-08876-01

Measuring Instruments

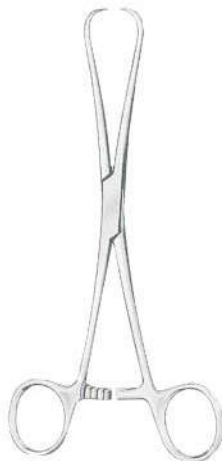


Hooks





Martin
27-08886-27
27 cm/10½"



Staude-Moore
27-08890-17
17 cm/6¾"



Barrett
27-08894-18
18 cm/7"



Schroeder
27-08898-25
25 cm/10"



Braun
27-08902-25
25 cm/10"



Collin-Pozzi
27-08906-25
25 cm/10"



Pozzi
27-08910-25
25.5 cm/10¼"

Strong Pattern



Duplay
27-08914-28
28 cm/11"



Skene
27-08918-24
24 cm/9½"



Beacham
27-08922-26
26 cm/10¼"

Amniotome for the amnion Bladder



Czerny
27-08926-20
20.5 cm/8¼"



27-08930-26
26 cm/10¼"



Schroeder
27-08934-20 20 cm/8"
27-08934-24 24 cm/9½"

Straight



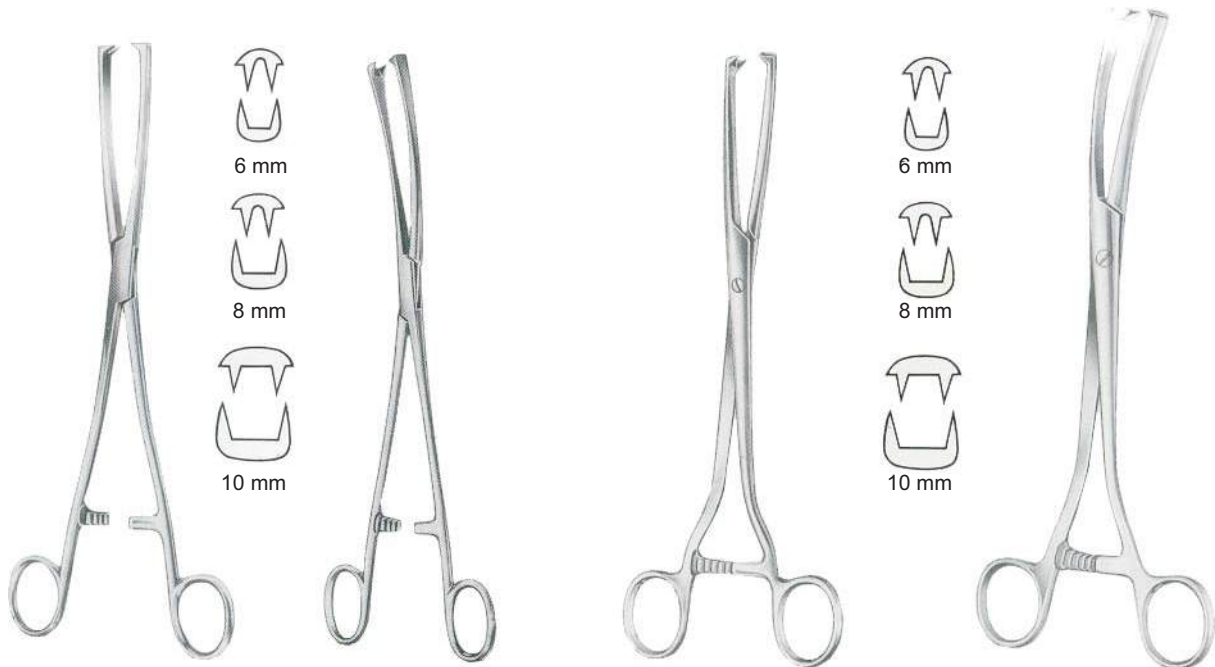
Schroeder
27-08936-20
27-08936-24

Curved on Flat



Schroeder
27-08938-20
27-08938-24

Curved Sideway



<p>Straight 27-08942-06 27-08942-08 27-08942-10</p>	<p>Museux 24 cm/9½"</p> <p>06 mm 08 mm 10 mm</p>	<p>Curved Sideway 27-08944-06 27-08944-08 27-08944-10</p>
--	---	--

<p>Straight 27-08948-06 27-08948-08 27-08948-10</p>	<p>Museux 24 cm/9½"</p> <p>06 mm 08 mm 10 mm</p>	<p>Curved Sideway 27-08952-06 27-08952-08 27-08952-10</p>
--	---	--



Braun
27-08956-16
16 cm/6¼"



Pratt
27-08960-28
28 cm/11"



Teale
27-08964-24
24 cm/9½"



Iowa
27-08968-26
26 cm/10¼"

For the amnion Bladder



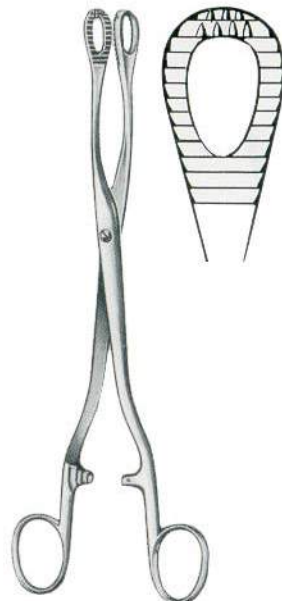
Jacobs
Straight 27-08972-21 21 cm/8¼"
Curved Sideway 27-08974-21



Kelly
27-08978-32
32 cm/12½"



Heywood-Smith
27-08982-20
20 cm/8"



Heywood-Smith
27-08986-25
25 cm/10"



Noto
27-08990-27
27 cm/10½"



Dartigues
27-08994-27
27 cm/10½"



Somer
27-08998-23
23 cm/9"



Collin
27-09002-25
25 cm/10"



Doyen
27-09006-18 18 cm/7"
27-09006-20 20 cm/8"

Ovarian Forceps



Ayre
27-09010-23
23 cm/9"



Simon
27-09014-22
22 cm/8¾"



Simon
27-09016-22
22 cm/8¾"



Emmet
22 cm/8¾"



Doyen
27-09024-17
17 cm/6¾"



Doyen
27-09026-17
17 cm/6¾"

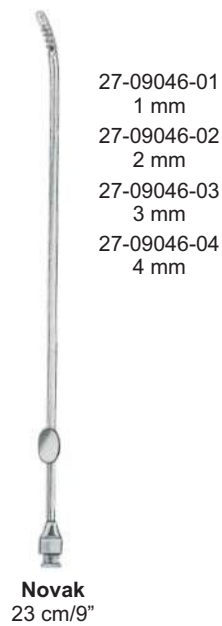


Segond
27-09030-27
27 cm/10½"

Secretion Spoon



4 mmØ





Kevorkian
27-09054-30
30 cm/12"

malleable
27-09056-30
30 cm/12"



Kevorkian
27-09060-30
30 cm/12"

malleable
27-09062-30
30 cm/12"



Townsend
27-09066-30
31 cm/12¼"

malleable
27-09068-30
31 cm/12¼"



Duncan
27-09072-31
31 cm/12¼"



Duncan
27-09074-31
31 cm/12¼"



Gellhorn
27-09078-23
23 cm/9"



Thoms-Gaylor
27-09082-24
24 cm/9½"



Schubert
27-09086-21 21 cm/8¼"
27-09086-29 29 cm/11¼"



Schubert
27-09090-26
26 cm/10¼"



Tischler
27-09094-27
27 cm/10½"



Van Doren
27-09098-25
25 cm/10"

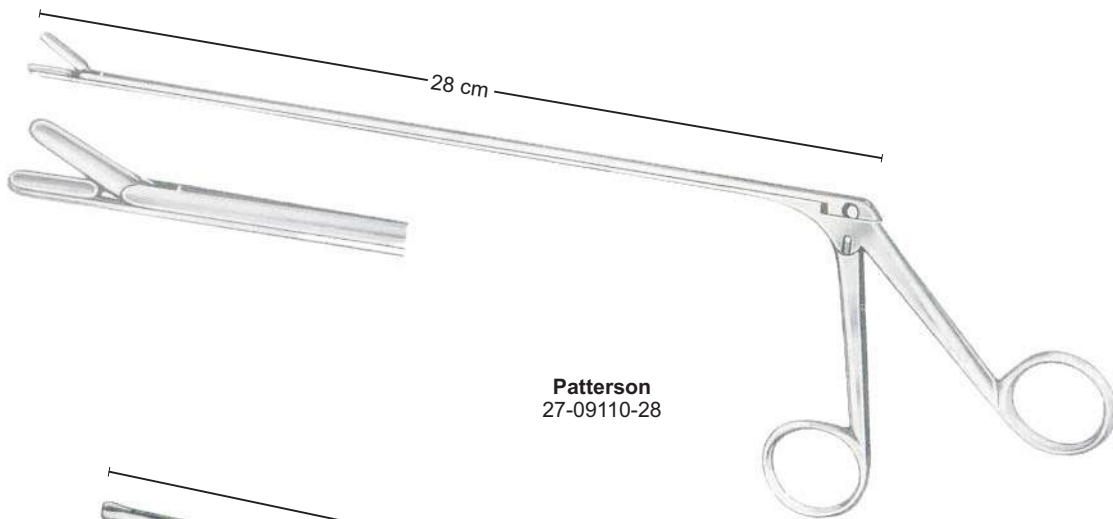


Fig.1
Fig.2

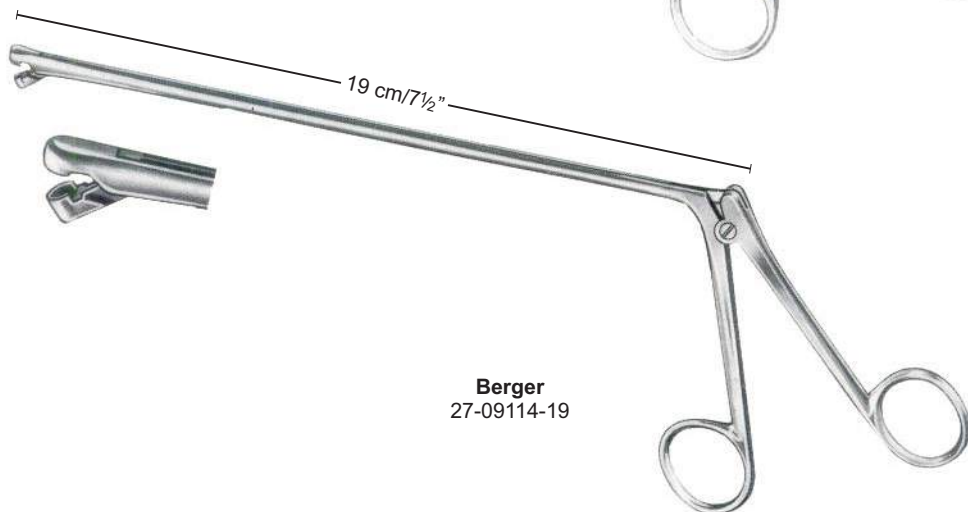
Schumacher
Fig. 1 27-09102-01 24 cm/9½"
Fig. 2 27-09102-02 24 cm/9½"



Faure
27-09106-21
21 cm/8¼"



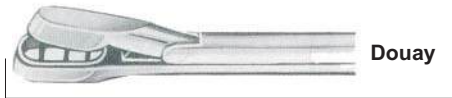
Patterson
27-09110-28



Berger
27-09114-19



- 27-09118-20 L = 20 cm/8"
- 27-09118-25 L = 25 cm/10"
- 27-09118-30 L = 30 cm/12"
- 27-09118-35 L = 35 cm/14"
- 27-09118-40 L = 40 cm/16"



L = 24 cm/9½"



27-09124-04
4 mm

27-09124-06
6 mm

L = 24 cm/9½"



27-09128-24

L = 20 cm/8"



Eppendorf

27-09122-20

L = 23 cm/9"



Wittner

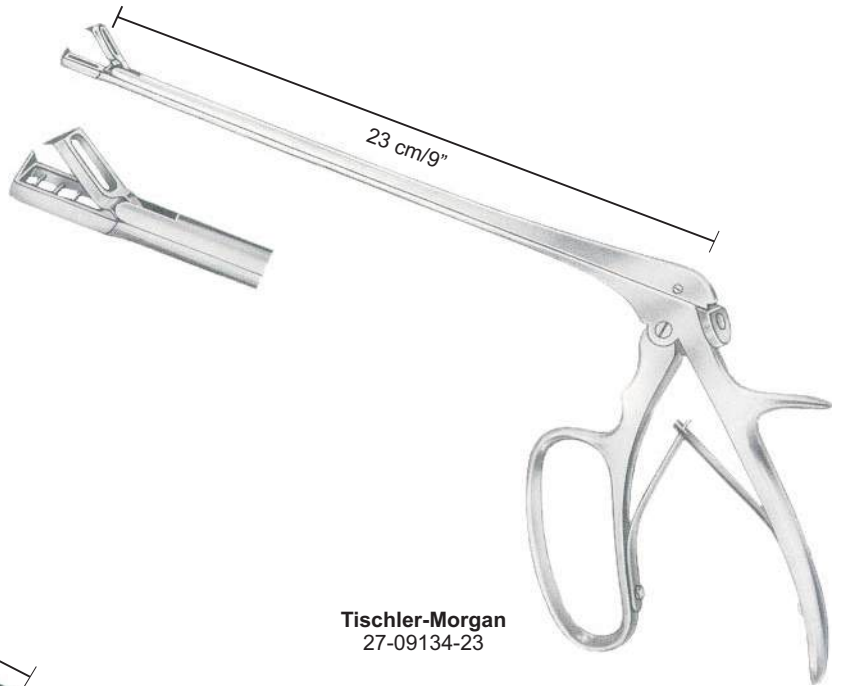
27-09126-23

L = 23 cm/9"



Wittner

27-09130-23



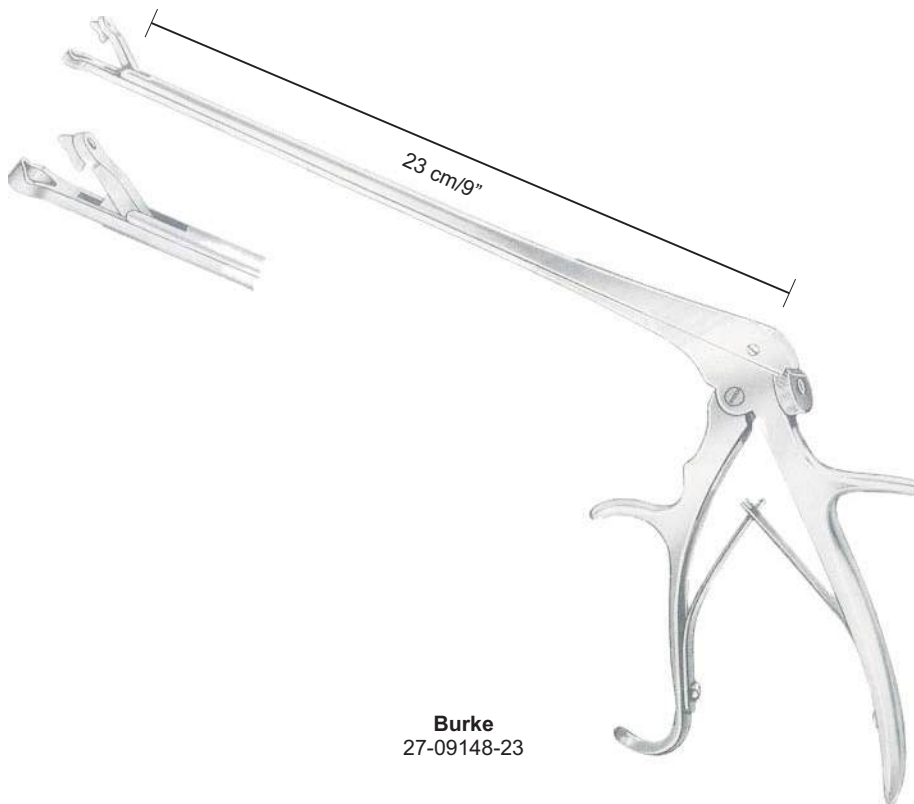
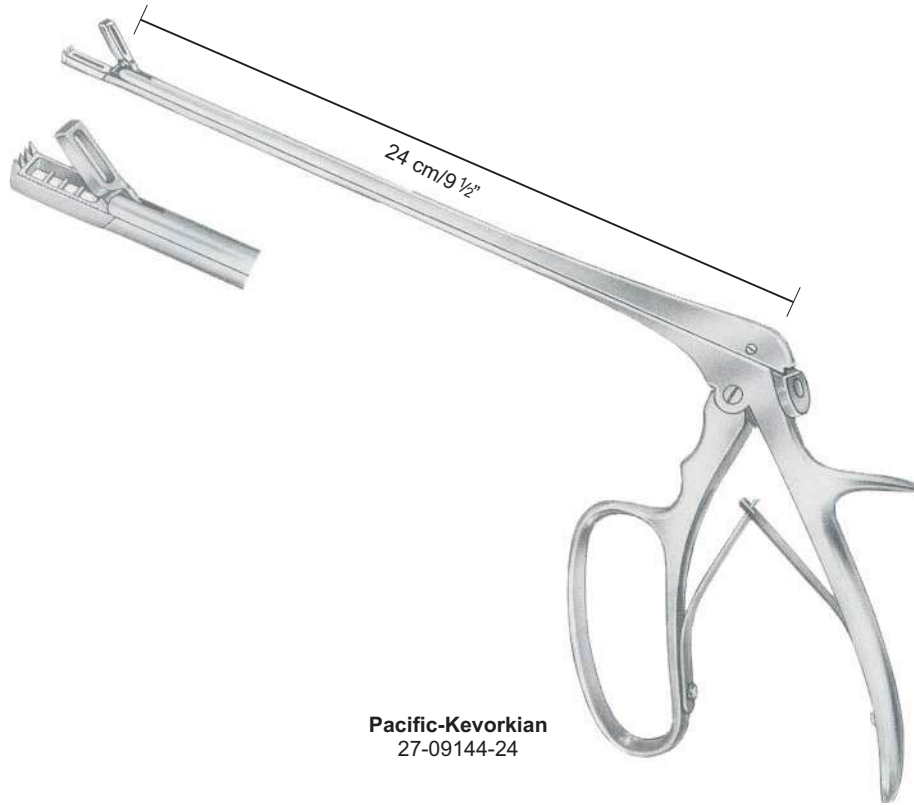
Tischler-Morgan
27-09134-23



Baby-Tischler
27-09136-21



Alexander
27-09140-28





Handle



Tip with tube

Townsend

Complete instrument

Tip, only



Tischier

27-09152-00

27-09152-01



Kevorkian

27-09154-00

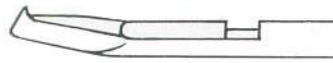
27-09154-01



Mini-Townsend

27-09156-00

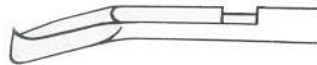
27-09156-01



Tischler-up

27-09158-00

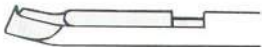
27-09158-01



Tischler-down

27-09160-00

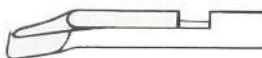
27-09160-01



Mini-Townsend-up

27-09162-00

27-09162-01



Mini-Townsend-down

27-09164-00

27-09164-01



Schroeder
30 cm/12"

Sharp Rigid



Fig. 1
27-09168-01
27-09170-01



Fig. 2
27-09168-02
27-09170-02



Fig. 3
27-09168-03
27-09170-03

Schroeder
Simon



Fig. 4
27-09168-04
27-09170-04



Fig. 5
27-09168-05
27-09170-05



Fig. 6
27-09168-06
27-09170-06

Schroeder
Simon



Simon
25 cm/10"



Gourdet
28 cm/11"



Fig. 1
27-09174-01
6 mm



Fig. 2
27-09174-02
8 mm



Fig. 3
27-09174-03
10 mm



Fig. 4
27-09174-04
12 mm



Fig. 5
27-09174-05
14 mm



Thomas



Fig. 1
27-09177-01



Fig. 2
27-09177-02



Fig. 3
27-09177-03



Fig. 4
27-09177-04



Fig. 5
27-09177-05



Fig. 6
27-09177-06



Greene

27-09180-10
10 mm

27-09180-12
12 mm

27-09180-14
14 mm



Collin
27-09184-30
30 cm/12"



Heaney
27-09188-24
24 cm/9½"



Heaney
27-09192-24
24 cm/9½"



Milan
28.5 cm/11¼"

Malleable

27-09196-05
5 mm Ø

27-09196-07
7 mm Ø

27-09196-09
9 mm Ø

Rigid

27-09198-05
5 mm Ø

27-09198-07
7 mm Ø

27-09198-09
9 mm Ø



28 cm/11"

Hose Connecting Piece

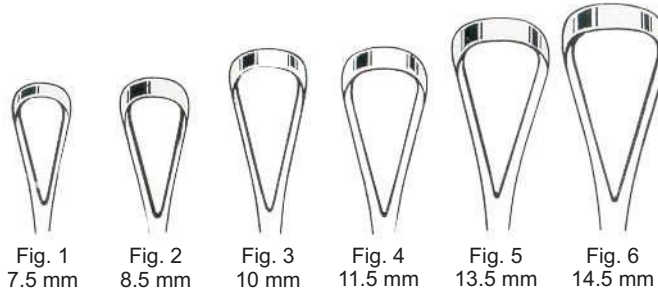


27-09206-00

- | | Ø |
|-------------|---------|
| 27-09202-04 | 4.0 mm |
| 27-09202-06 | 6.0 mm |
| 27-09202-08 | 8.0 mm |
| 27-09202-10 | 10.0 mm |
| 27-09202-12 | 12.0 mm |
| 27-09202-14 | 14.0 mm |
| 27-09202-16 | 16.0 mm |



Sims
25 cm/10"

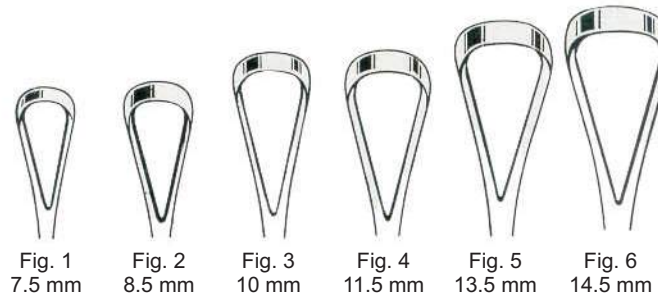


Malleable		Rigid	
Sharp	Blunt	Sharp	Blunt

Fig. 1	27-09210-01	27-09211-01	27-09214-01	27-09215-01
Fig. 2	27-09210-02	27-09211-02	27-09214-02	27-09215-02
Fig. 3	27-09210-03	27-09211-03	27-09214-03	27-09215-03
Fig. 4	27-09210-04	27-09211-04	27-09214-04	27-09215-04
Fig. 5	27-09210-05	27-09211-05	27-09214-05	27-09215-05
Fig. 6	27-09210-06	27-09211-06	27-09214-06	27-09215-06



Sims
25 cm/10"



Malleable		Rigid	
Sharp	Blunt	Sharp	Blunt

Fig. 1	27-09218-01	27-09219-01	27-09222-01	27-09223-01
Fig. 2	27-09218-02	27-09219-02	27-09222-02	27-09223-02
Fig. 3	27-09218-03	27-09219-03	27-09222-03	27-09223-03
Fig. 4	27-09218-04	27-09219-04	27-09222-04	27-09223-04
Fig. 5	27-09218-05	27-09219-05	27-09222-05	27-09223-05
Fig. 6	27-09218-06	27-09219-06	27-09222-06	27-09223-06

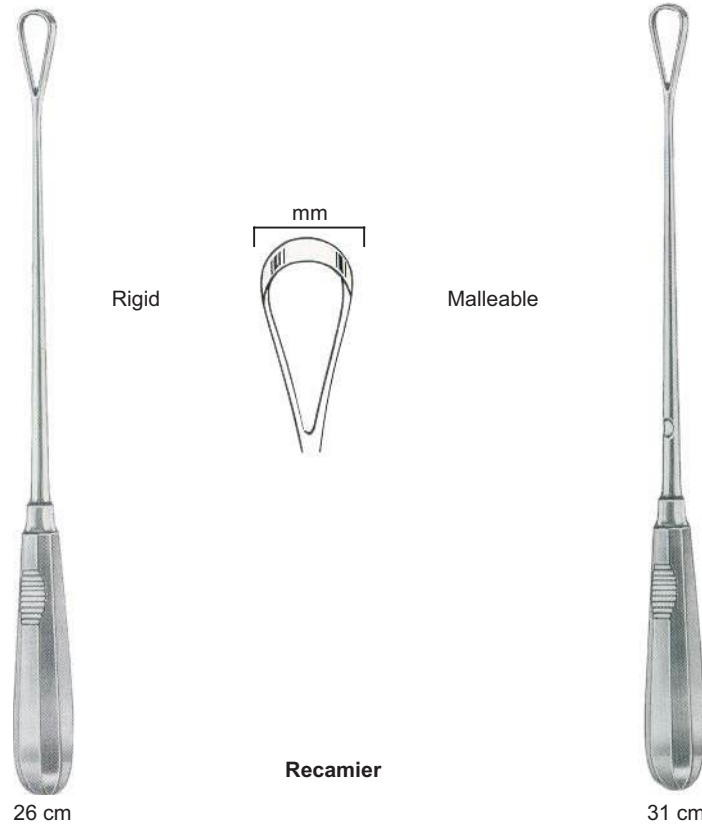


Fig.	mm	Malleable		Rigid		Malleable		Rigid	
		Sharp	Blunt	Sharp	Blunt	Sharp	Blunt	Sharp	Blunt
00	5	27-09226-05	27-09227-05	27-09228-05	27-09229-05	27-09230-05	27-09231-05	27-09232-05	27-09233-05
0	6	27-09226-06	27-09227-06	27-09228-06	27-09229-06	27-09230-06	27-09231-06	27-09232-06	27-09233-06
1	7	27-09226-07	27-09227-07	27-09228-07	27-09229-07	27-09230-07	27-09231-07	27-09232-07	27-09233-07
2	8	27-09226-08	27-09227-08	27-09228-08	27-09229-08	27-09230-08	27-09231-08	27-09232-08	27-09233-08
3	9	27-09226-09	27-09227-09	27-09228-09	27-09229-09	27-09230-09	27-09231-09	27-09232-09	27-09233-09
4	10	27-09226-11	27-09227-11	27-09228-11	27-09229-11	27-09230-11	27-09231-11	27-09232-11	27-09233-11
5	12	27-09226-12	27-09227-12	27-09228-12	27-09229-12	27-09230-12	27-09231-12	27-09232-12	27-09233-12
6	14	27-09226-14	27-09227-14	27-09228-14	27-09229-14	27-09230-14	27-09231-14	27-09232-14	27-09233-14
7	15	27-09226-15	27-09227-15	27-09228-15	27-09229-15	27-09230-15	27-09231-15	27-09232-15	27-09233-15
8	16	27-09226-16	27-09227-16	27-09228-16	27-09229-16	27-09230-16	27-09231-16	27-09232-16	27-09233-16
9	19	27-09226-19	27-09227-19	27-09228-19	27-09229-19	27-09230-19	27-09231-19	27-09232-19	27-09233-19
10	20	27-09226-20	27-09227-20	27-09228-20	27-09229-20	27-09230-20	27-09231-20	27-09232-20	27-09233-20
11	21	27-09226-21	27-09227-21	27-09228-21	27-09229-21	27-09230-21	27-09231-21	27-09232-21	27-09233-21
12	23	27-09226-23	27-09227-23	27-09228-23	27-09229-23	27-09230-23	27-09231-23	27-09232-23	27-09233-23
13	25					27-09230-25	27-09231-25	27-09232-25	27-09233-25
14	30					27-09230-30	27-09231-30	27-09232-30	27-09233-30
15	35					27-09230-35	27-09231-35	27-09232-35	27-09233-35
16	40					27-09230-40	27-09231-40	27-09232-40	27-09233-40



Bumm
max. 29 cm/11½"

Fig.	mm	Mealleable	
		Sharp	Blunt
0	16.0	27-09236-16	27-09237-16
1	18.0	27-09236-18	27-09237-18
2	19.5	27-09236-19	27-09237-19
3	21.5	27-09236-21	27-09237-21
4	23.5	27-09236-23	27-09237-23
5	26.0	27-09236-26	27-09237-26
6	28.5	27-09236-28	27-09237-28



Blunt

Sharp

Blake (Zweifel)
27-09240-27 27 cm/10½"
27-09240-31 31 cm/12¼"

For Internal Measurements



28-09244-45
Laparotomy Ring
1¾" Inside Diameter



De Lee
28-09248-20
20 cm/8"
cm/Inch Scale



Martin
28-09252-34 34 cm/13½"
cm Scale 28-09254-34
cm/Inch Scale



Collin
28-09258-35
35 cm/13¾"
cm Scale



Breisky
28-09262-33
33 cm/13"
cm Inch Scale






Collyer
28-09266-30
30 cm/12"
cm Inch Scale



Iowa
28-09270-14
14 cm/5½"
Trumpet Needle Guide

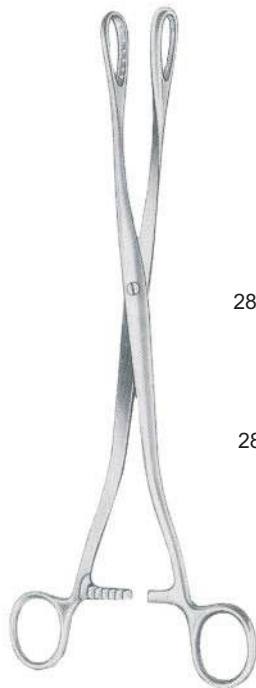


Winter
28 cm/11"

			
Straight	28-09274-01	28-09274-02	28-09274-03
Curved	28-09275-01	28-09275-02	28-09275-03



Wallich
28-09278-42
42 cm/16¾"



Sanger
27 cm/10½"

Straight	28-09282-27
Curved	28-09283-27

Uterine Haemostasis Forceps



Green-Armytage
28-09286-21
21 cm/8¼"

Scalp Flap Forceps



Gauss
28-09290-26
26 cm/10¼"



Willet-Martel
28-09294-19
19 cm/7½"

Head Lever



Murless
28-09298-26
26 cm/10¼"

Elevating Spoon



Sellheim
28-09302-28
28 cm/11"



Smellie
28-09306-25
25 cm/10"

Perforators



Nagele
28-09310-25
25 cm/10"

Cranioclast



Braun
28-09314-42
42 cm/16½"

Basiotribe



Tarnier
28-09318-46
46 cm/18"

Decapitating Hook



Braun
28-09322-30
30 cm/12"

Umbilical Cord Clamps



Collin
28-09326-09
9 cm/3½"



Nagele
28-09330-36 36 cm/14"
28-09330-40 40 cm/16"



Wrigley
28-09334-28
28 cm/11"



Simpson
28-09338-23
23 cm/9"



Simpson
28-09340-30
30 cm/12"



Simpson-Braun
28-09342-36
36 cm/14"



Simpson-Luikart
28-09344-36
36 cm/14"

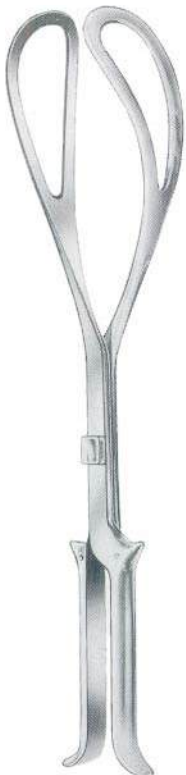


De Lee
28-09348-30 30 cm/12"
28-09348-36 36 cm/14"

Traction Handles to be used with all obstetrical Forceps with Standard type Handles



Bill
28-09350-20



Kielland
28-09352-41
41 cm/16"



Kielland-Luikart
28-09354-40
40 cm/15¾"



McLean
28-09358-36
36 cm/14"



Elliot
28-09362-32 32 cm/12½"
28-09362-38 38 cm/15"



Piper
28-09366-44
44 cm/17¼"



With Traction Handle

Barnes-Neville
28-09370-43
43.5 cm/17"



With Traction Handle

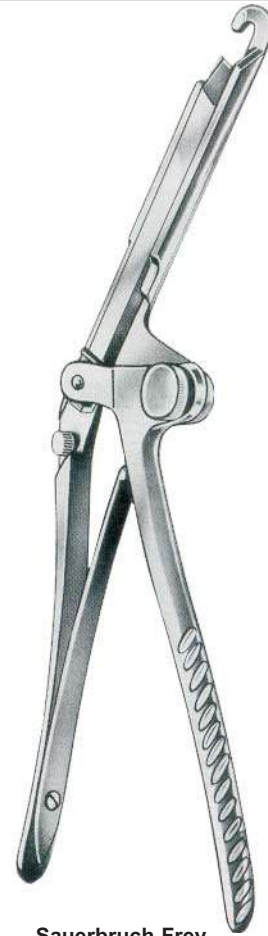
Tarnier
28-09374-40
40 cm/15¾"



Sauerbruch
29-09378-24 24 cm/9½"
29-09378-26 26 cm/10¼"



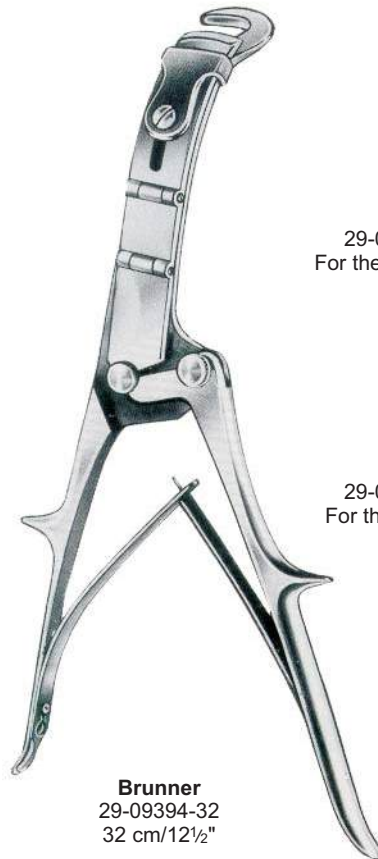
Giertz-Stille
29-09382-27
27 cm/10½"



Sauerbruch-Frey
29-09386-36
36 cm/14"



Bethune
29-09390-34
34 cm/13½"



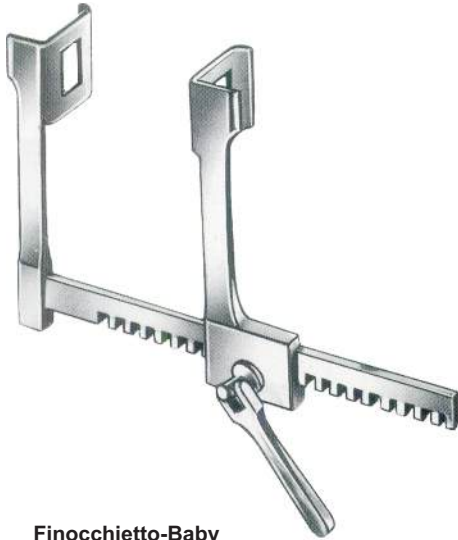
Brunner
29-09394-32
32 cm/12½"

29-09394-32
For the Right Hand

29-09395-32
For the left Hand



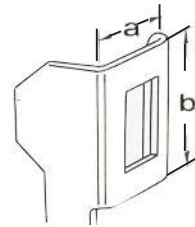
Lebsche
29-09398-24
24.5 cm/9¾"



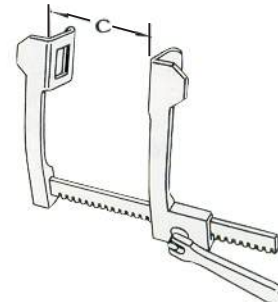
Finocchietto-Baby

	a	b	c
29-09402-00	18 mm	21 mm	105 mm

Scheme of Dimensions



Size of Blades



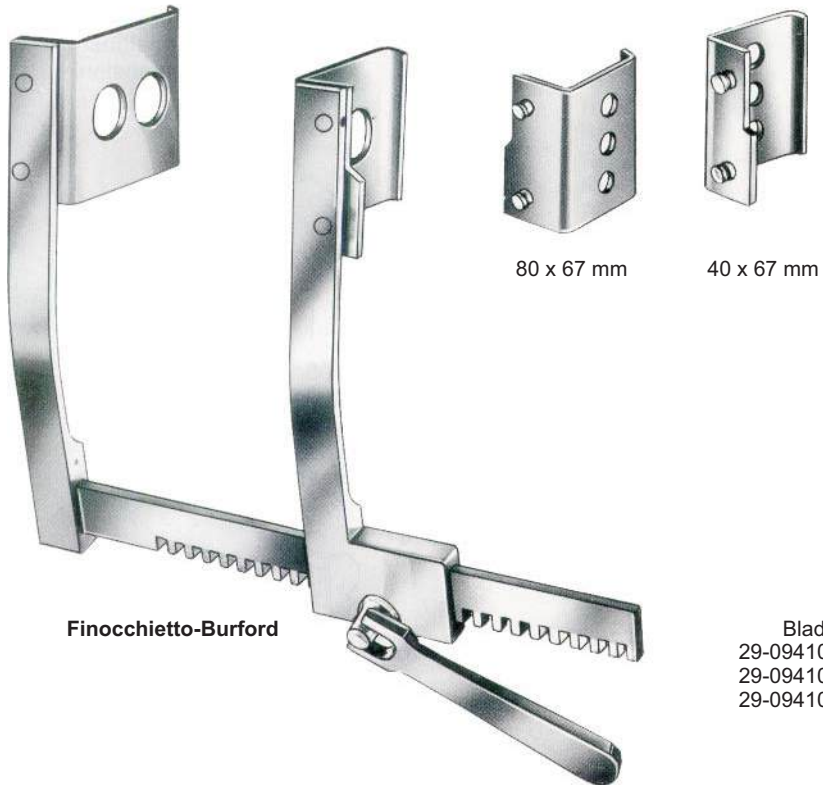
Total Spread



Finocchietto

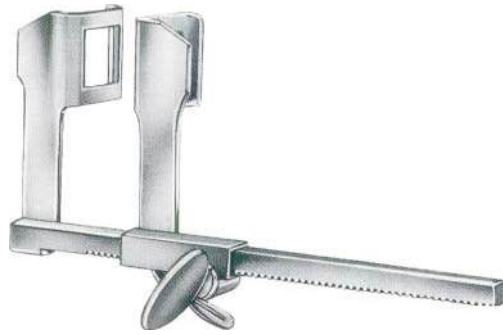
	a	b	c
29-09406-01	36 mm	45 mm	165 mm
29-09406-02	44 mm	65 mm	200 mm
29-09406-03	44 mm	65 mm	250 mm
29-09406-04	44 mm	65 mm	300 mm
29-09406-05	65 mm	65 mm	200 mm
29-09406-06	65 mm	65 mm	250 mm
29-09406-07	65 mm	65 mm	300 mm

With 2 Pairs of Interchangeable Blades



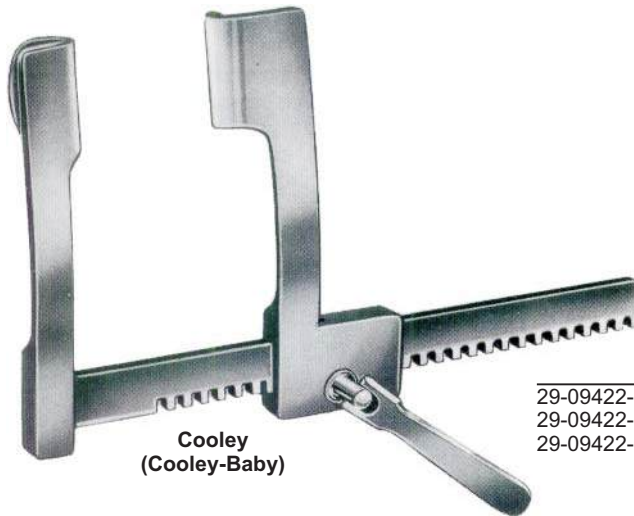
Blade Opening
 29-09410-01 200 mm/8"
 29-09410-02 250 mm/10"
 29-09410-03 305 mm/12"





Haight

	a	b	c
29-09418-00	30 mm	30 mm	115 mm

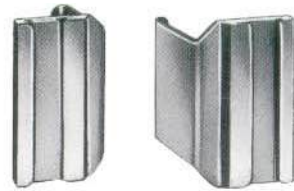


**Cooley
(Cooley-Baby)**

	a	b	c
29-09422-01	15 mm	30 mm	75 mm
29-09422-02	21 mm	45 mm	145 mm
29-09422-03	32 mm	50 mm	190 mm



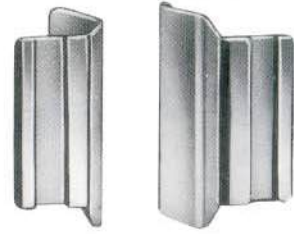
De Bakey
29-09426-00
With 3 Pairs of Blades
29-09426-01
29-09426-02
29-09426-03



29-09426-01
60 x 60 mm



29-09426-02
50 x 80 mm



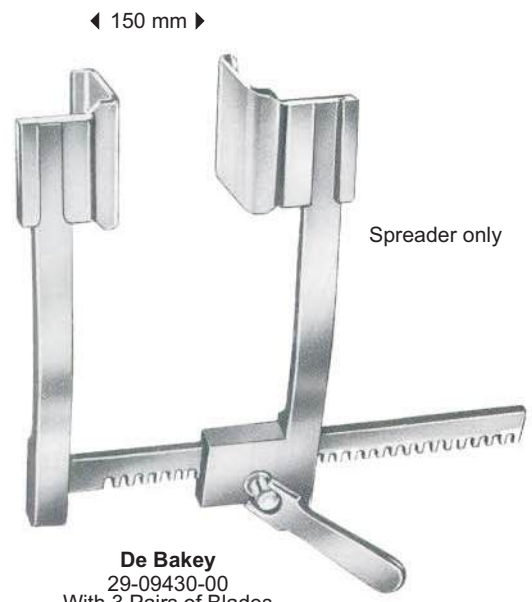
29-09426-03
40 x 100 mm



29-09426-04
80 x 60 mm



29-09426-05
50 x 66 mm



De Bakey
29-09430-00
With 3 Pairs of Blades



29-09430-01
30 x 30 mm



29-09430-02
40 x 40 mm



29-09430-03
50 x 50 mm

◀ Fig. 1 15 cm/6" ▶
◀ Fig. 2 20 cm/8" ▶



Morse-Favaloro
Fig. 1 29-09434-01
Fig. 2 29-09434-02

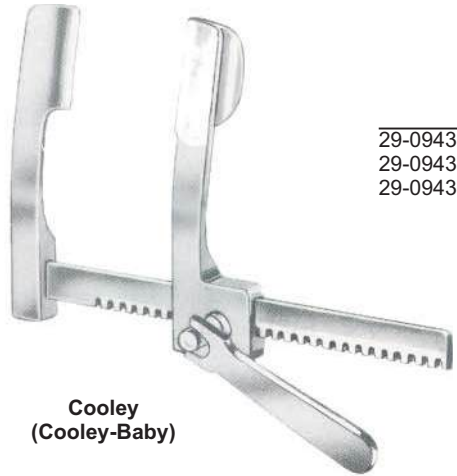
75 x 75 mm

42 x 65 mm

Thoracic Retractor



(Mercedes-Retractor)
29-09436-00
Complete



	a	b	c
29-09438-01	12 mm	17 mm	75 mm
29-09438-02	16 mm	30 mm	105 mm
29-09438-03	37 mm	49 mm	200 mm

**Cooley
(Cooley-Baby)**



	a	b	c
29-09442-01	10.5 mm	32 mm	65 mm
29-09442-02	12 mm	45 mm	70 mm
29-09442-03	15 mm	60 mm	120 mm

Castaneda



	a	b	c
29-09446-01	15 mm	15 mm	75 mm
29-09446-02	31 mm	31 mm	100 mm

Finocchietto-Baby-Haight



Finocchietto

	a	b	c
29-09450-01	38 mm	44 mm	135 mm
29-09450-02	52 mm	62 mm	135 mm
29-09450-03	85 mm	65 mm	135 mm



Burford
With 2 Pairs of Blades

For Child	a	b	c
29-09454-00	48 mm	42 mm	135 mm
29-09454-01	34 mm	42 mm	135 mm
29-09454-02	65 mm	62 mm	180 mm
29-09454-03	47 mm	62 mm	260 mm
	65 mm	62 mm	300 mm
	47 mm	62 mm	



Lemmon
29-09458-18
18 cm/7"



Sellors
29-09462-19
19 cm/7½"



Bailey-Baby
29-09466-14
14 cm/5½"



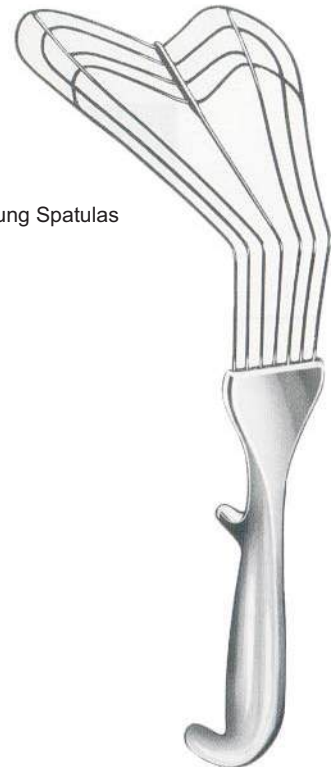
Bailey
29-09470-16
16 cm/6¼"



Bailey-Gibbon
29-09474-16
16 cm/6¼"



Allison
29-09478-25 25.5 cm/10"
29-09478-30 30.0 cm/12"

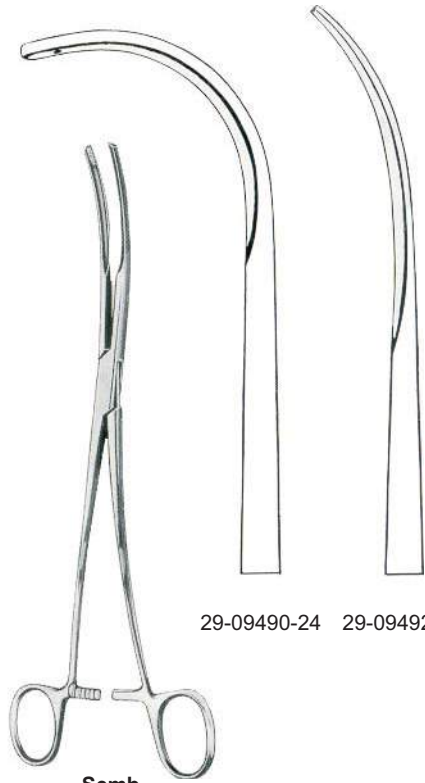


Lung Spatulas

29-09482-30
30 cm/12"



Price-Thomas
29-09486-22
22 cm/8¾"



Semb
24 cm/9½"

29-09490-24 29-09492-24

Lung grasping forceps



Lovlace
29-09496-20
20 cm/8"



Lovlace
29-09500-20
20 cm/8"



Fig. 1

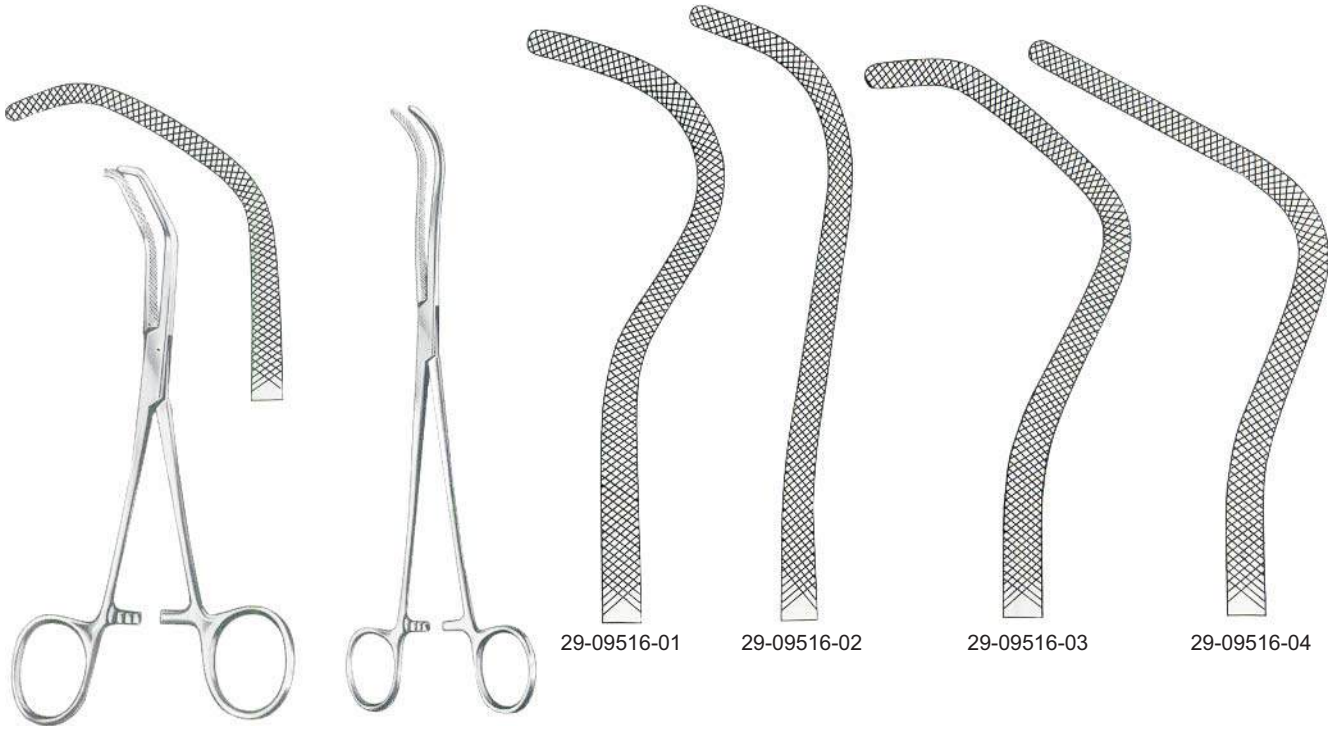
Fig. 2



Satinisky
26.5 cm/10½"
Fig. 1
29-09504-01
29-09504-02
Fig. 2



29-09508-01
29-09508-02



Baby-Satinsky
29-09512-15
15 cm/6"

Harken
24 cm/9½"

29-09516-01

29-09516-02

29-09516-03

29-09516-04

Pinsmed AtraumaTC

Atrauma tissue forceps



De Bakey

Wide

29-09520-15	15.0 cm/6"	1.5 mm
29-09520-19	19.5 cm/7½"	1.5 mm
29-09520-24	24.0 cm/9½"	1.5 mm



De Bakey

	1.2 mm	2.0 mm	Wide
29-09524-18		29-09526-18	18 cm/7"
29-09524-21		29-09526-21	21 cm/8¼"

Pinsmed Atrauma



Cooley

29-09530-15	15.0 cm/6"
29-09530-19	19.5 cm/7½"
29-09530-24	24.0 cm/9½"



De Bakey

Wide	1.5 mm	2.0 mm	2.7 mm	3.5 mm
16 cm/6¼"	29-09534-16	29-09536-16	29-09538-16	29-09540-16
20 cm/8"	29-09534-20	29-09536-20	29-09538-20	29-09540-20
24 cm/9½"	29-09534-24	29-09536-24	29-09538-24	29-09540-24
30 cm/12"	29-09534-30	29-09536-30	29-09538-30	29-09540-30



De Bakey

Wide	2.0 mm
29-09543-16	
29-09543-20	
29-09543-24	
29-09543-30	



De Bakey

Setting forceps



29-09546-23
23 cm/9"



29-09550-07
29-09550-08
29-09550-10
29-09550-12

7.5 cm/3"
8.5 cm/3½"
10.5 cm/4¼"
12.0 cm/4¾"



29-09551-07
29-09551-08
29-09551-10
29-09551-12



29-09554-03
3.5 cm/1½"



29-09555-03
3.5 cm/1½"



29-09558-04
4.5 cm/1¾"



29-09559-04
4.5 cm/1¾"



De-Bakey
29-09562-05
5.0 cm/2"



De-Bakey
29-09563-05
5.0 cm/2"



De Bakey



Glover		Glover	
29-09566-06	6 cm/2½"	29-09567-06	
29-09566-07	7 cm/2¾"	29-09567-07	
29-09566-09	9 cm/3½"	29-09567-09	
29-09566-11	11 cm/4½"	29-09567-11	



Glover
29-09571-06
5 cm/2"



De Bakey-Satinsky
29-09575-07
7 cm/2¾"



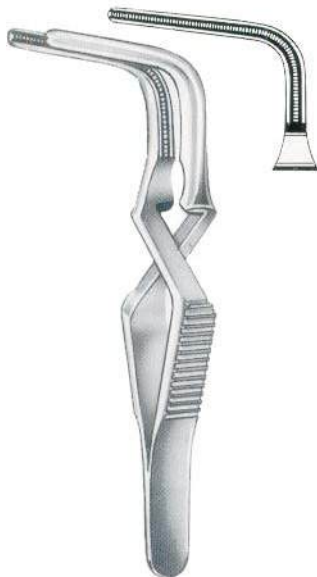
De Bakey



De Bakey-Carotid
29-09579-09
9 cm/3½"



De Bakey-Satinsky
29-09583-10
10 cm/4"



Santulli
29-09587-07
7 cm/2¾"



Gregory-Soft
29-09591-09 29-09593-11
9 cm/3½" 11 cm/4½"



De Bakey

Coarctation Clamps



**Potts
(De Bakey)**

29-09596-21
21 cm/8¼"



29-09596-22
22 cm/8¾"



**Potts
(De Bakey)**

29-09599-21
21 cm/8¼"



29-09599-22
22 cm/8¾"



Potts

29-09601-21
21 cm/8¼"



29-09601-22
22 cm/8¾"



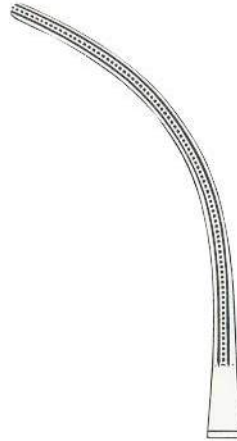


De Bakey

Anastomosis Clamps



Glover
(Potts)



29-09605-21
21 cm/8 1/4"



29-09605-22
22 cm/8 1/4"

Dissecting and
Ligature Forceps



De Bakey



29-09609-20
20 cm/8"



29-09609-24
24 cm/9 1/2"



De Bakey



29-09613-20
20 cm/8"



29-09615-18
18 cm/7 1/2"



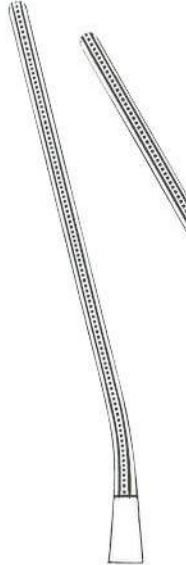
De Bakey



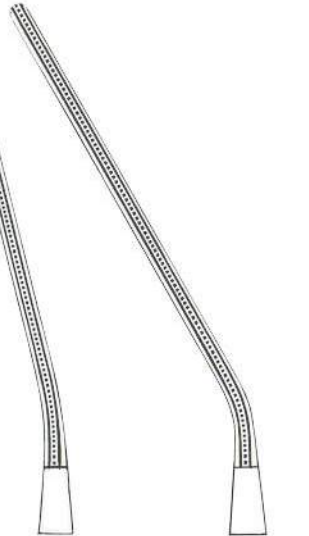
Leland-Jones



29-09618-01
19.5 cm/7½"



29-09618-02
19.5 cm/7½"



29-09618-03
19.5 cm/7½"



Leland-Jones
29-09621-18
18 cm/7"



De Bakey-Bainbirdge



29-09624-15
15 cm/6"



29-09624-18
18 cm/7"



29-09625-15
15 cm/6"



29-09625-18
18 cm/7"



De Bakey
29-09629-20
20 cm/8"





De Bakey

Aortic Aneurysm Clamps



De Bakey



29-09633-24
24 cm/9½"

29-09633-27
27 cm/10½"

29-09633-31
31 cm/12¼"

29-09633-33
33.5 cm/13¼"



De Bakey

Aortic Aneurysm Clamps



De Bakey
29-09637-28
28 cm/11"

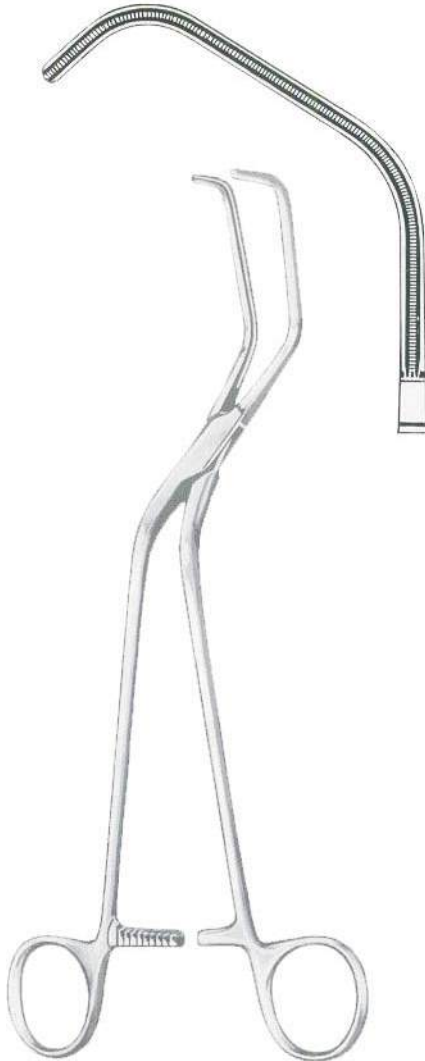


29-09641-30
30 cm/12"



De Bakey

Aortic Clamps



Ochsner
29-09645-23
23.5 cm/9¼"



Dietrich
29-09649-21
21 cm/8¼"



De Bakey

Auricle Clamp



Harken



29-09653-01
24 cm/9½"



29-09653-02
24 cm/9½"



29-09653-03
24 cm/9½"

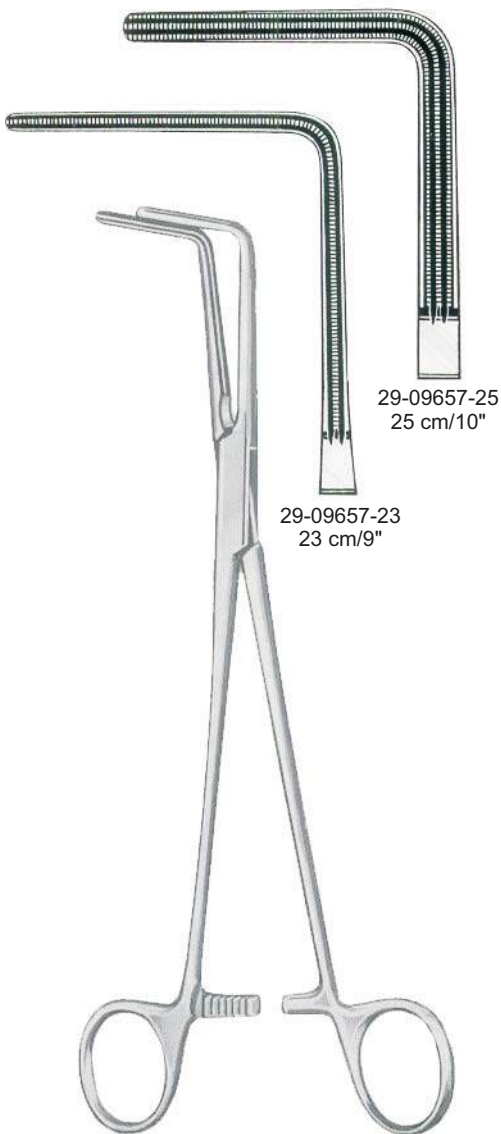


29-09653-04
24 cm/9½"



De Bakey

Bronchus Clamps



29-09657-23
23 cm/9"

Lees

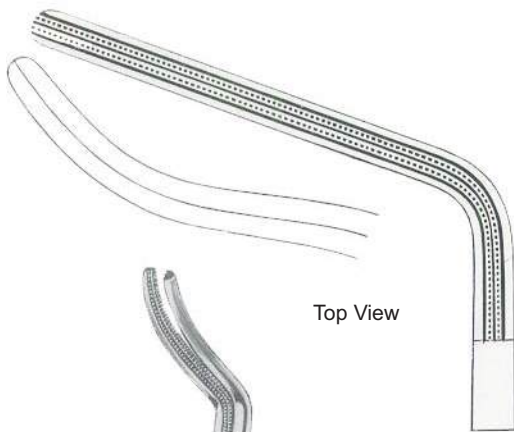


Lees
29-09661-25
25 cm/10"



De Bakey

Aortic Clamp

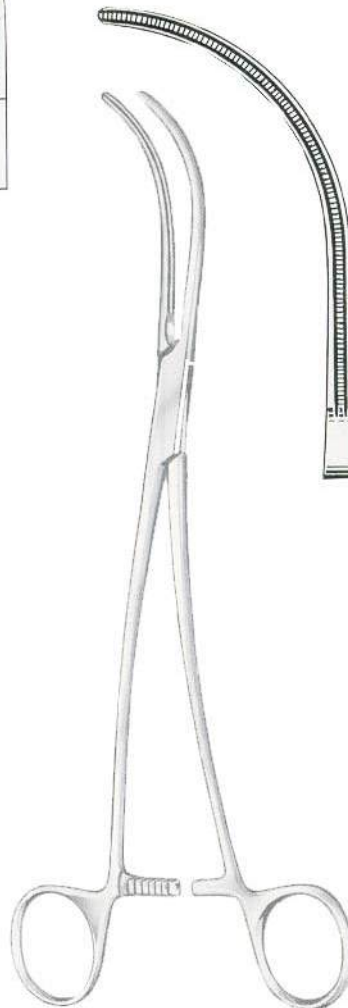


Top View



De Bakey
29-09665-27
27 cm/10½"

Ligature Clamps



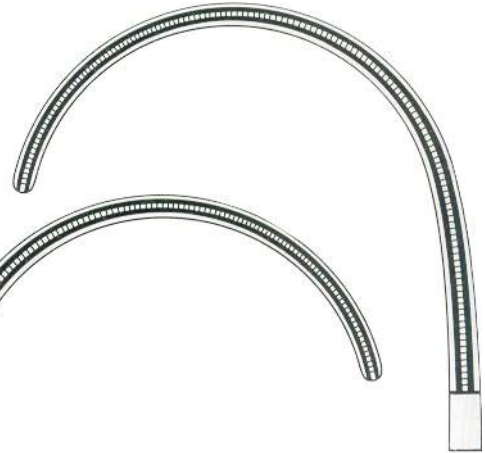
De Bakey
29-09669-24
24 cm/9½"



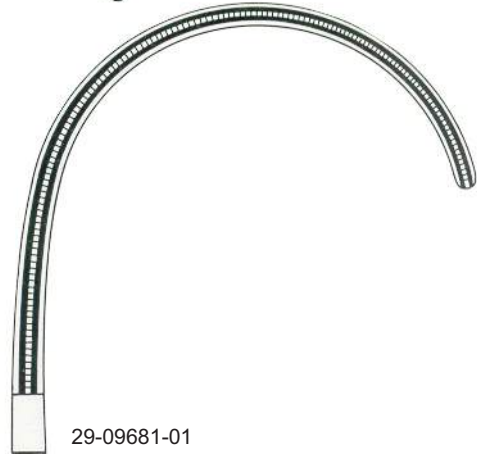
De Bakey
29-09673-24
24 cm/9½"



De Bakey



29-09681-02



29-09681-01

Ligature clamp,
Aortic clamp



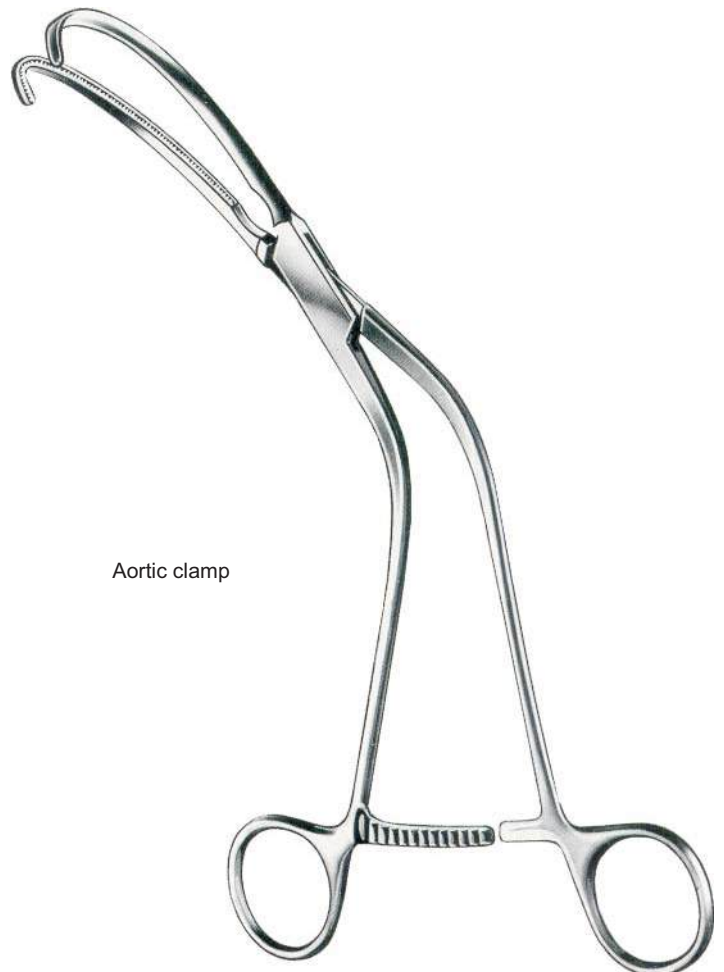
De Bakey
29-09677-26
26.5 cm/10½"



De Bakey-Semb
29-09677-25
25 cm/10"



De Bakey-Semb



Aortic clamp

Weber
26 cm/10¼"



De Bakey

Tangential occlusion clamps



Satinsky/De Bakey

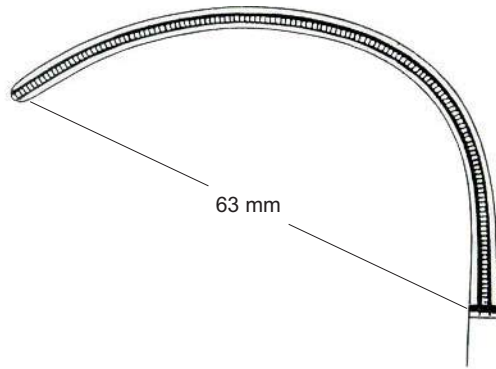


- | | | | | | |
|-----------------------------------|-------------------------|--------------------------|---------------------------|---------------------------|--------------------------|
| Set of 5 purchase.
29-09685-00 | 29-09685-20
20 cm/8" | 29-09685-25
25 cm/10" | 29-09685-26
26 cm/10¼" | 29-09685-27
27 cm/10½" | 29-09885-28
28 cm/11" |
|-----------------------------------|-------------------------|--------------------------|---------------------------|---------------------------|--------------------------|



Glover

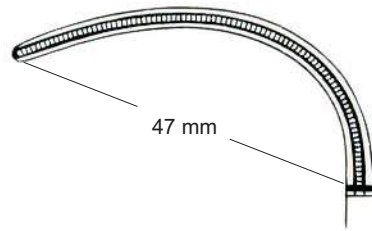
- | | |
|-------------|-------------|
| 29-09689-01 | 19.5 cm/7¾" |
| 29-09689-02 | 21.0 cm/8¼" |



63 mm

29-09689-01

Anastomosis



47 mm

29-09689-02



De Bakey



Lambert-Kay
21 cm/8¼"



29-09695-21

29-09693-21

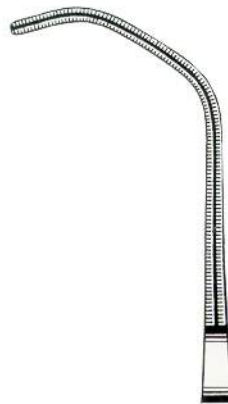
Aortic anastomosis clamps



De Bakey
29-09699-17
17 cm/6¾"



Beck
29-09703-17
17 cm/6¾"



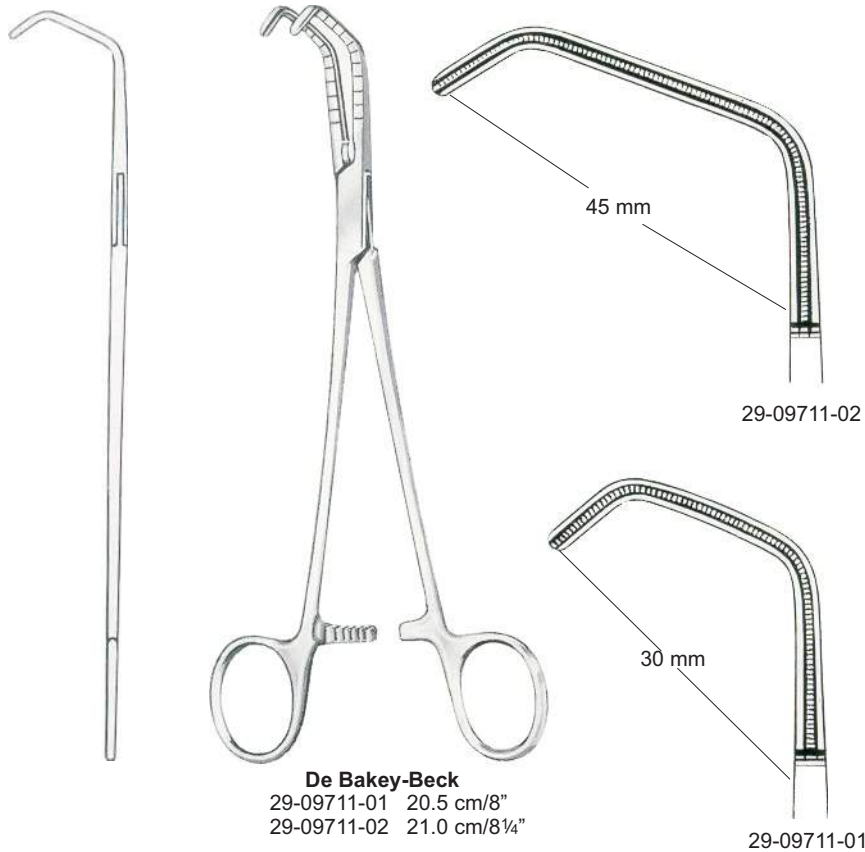


De Bakey



De Bakey
29-09707-16
16 cm/6 1/4"

Graduated



De Bakey-Beck
29-09711-01 20.5 cm/8"
29-09711-02 21.0 cm/8 1/4"

29-09711-02

29-09711-01



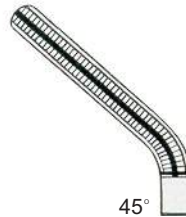
29-09714-00



15°
29-09715-15



30°
29-09715-30



45°
29-09715-45



90°
29-09715-90



29-09718-00



15°
29-09719-15



30°
29-09719-30



45°
29-09719-45



90°
29-09719-90



Dardik
17 cm/6³/₄"



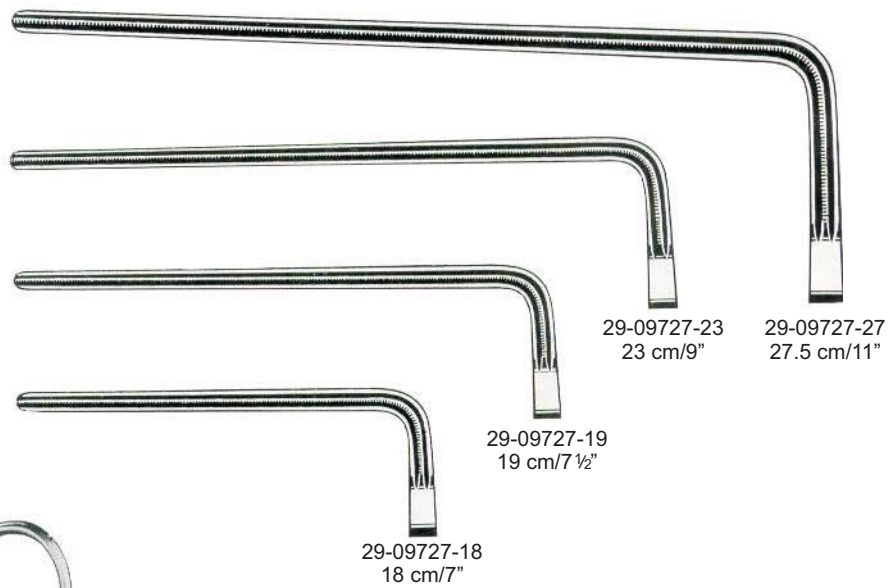
De Bakey



Multi purpose clamps



De Bakey





Aortic anastomosis clamps

Morris-De Bakey



29-09731-18
18 cm/7"

29-09731-20
20 cm/8"

29-09731-23
23 cm/9"

29-09731-25
25 cm/10"



Glover
29-09735-24
24.5 cm/9¾"



De Bakey

Aorta aneurysm clamps



De Bakey-Bahnson



29-09739-24
24.5 cm/9¾"

29-09739-25
25.5 cm/10"

29-09739-26
26.5 cm/10½"

Coarctation clamps



	Straight	cm/in	Curved
	29-09742-21	21.5 cm/8½"	29-09743-21
	29-09742-23	23.0 cm/9"	29-09743-23
	29-09742-27	27.0 cm/10½"	29-09743-27
	29-09742-31	31.5 cm/12½"	29-09743-31



De Bakey

Atrauma hemostatic forceps



Mosquito
12 cm/4¾"

29-09746-12

29-09747-12



De Bakey-Pean



29-09750-14
14 cm/5½"



29-09750-16
16 cm/6¼"



29-09750-18
18 cm/7"



29-09750-20
20 cm/8"



29-09751-14
14 cm/5½"



29-09751-16
16 cm/6¼"



29-09751-18
18 cm/7"



29-09751-20
20 cm/8"

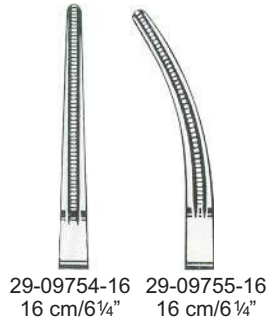
Multi purpose clamps



De Bakey



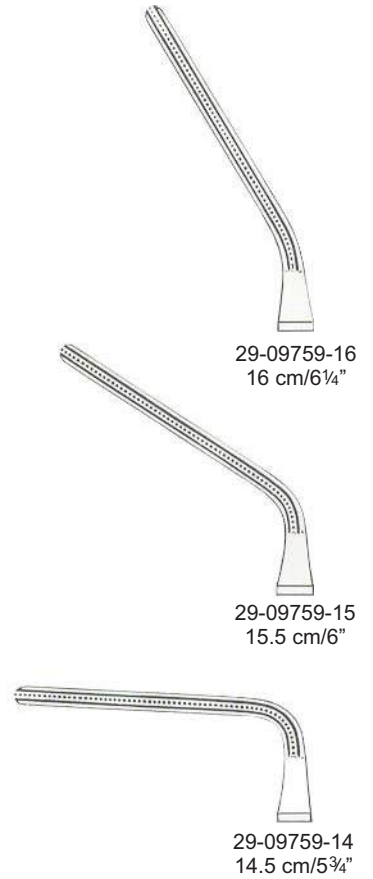
De Bakey-Rankin



29-09754-16 16 cm/6¼"
29-09755-16 16 cm/6¼"



Cooley



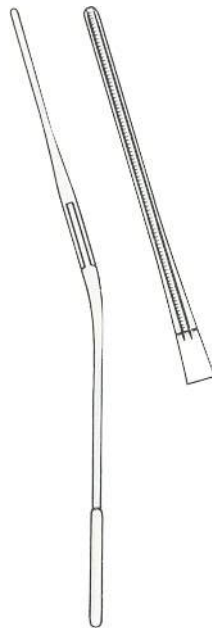
29-09759-16
16 cm/6¼"

29-09759-15
15.5 cm/6"

29-09759-14
14.5 cm/5¾"



De Bakey
29-09762-17
17 cm/6¾"



29-09763-17



29-09765-17

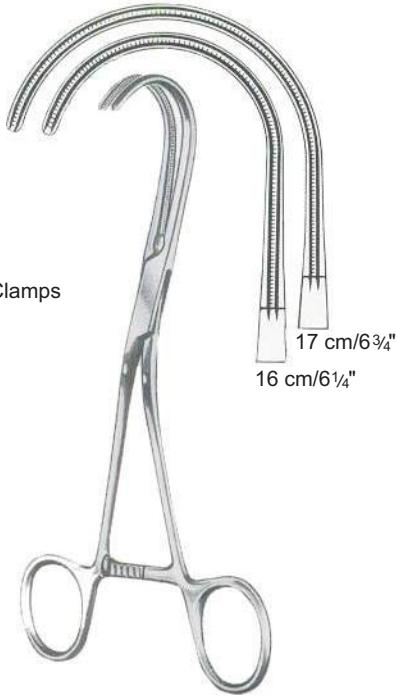


29-09767-17

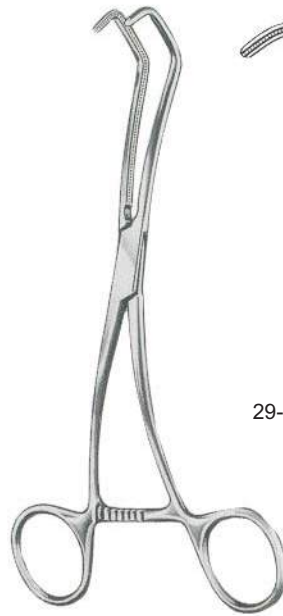


De Bakey

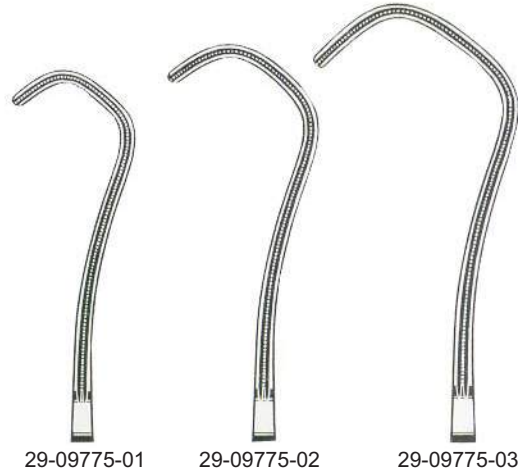
Ligature Clamps



29-09771-16 16cm/6¼"
29-09771-17 17cm/6¾"



Derra-De Bakey
17 cm/6¾"



Anastomosis Clamps

Profunda Clamps



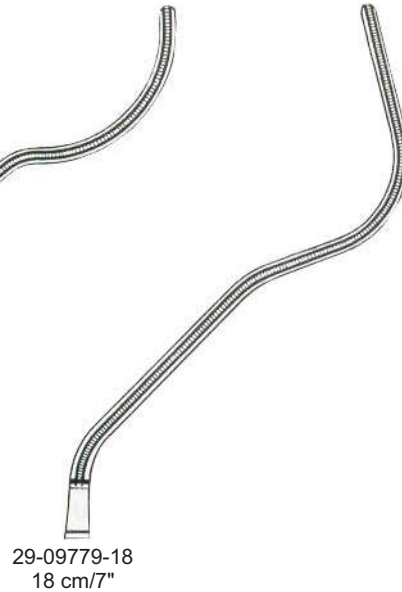
Gregory



29-09779-14
14 cm/5½"



29-09779-16
16 cm/6¼"



29-09779-18
18 cm/7"



De Bakey
29-09782-12
12 cm/4¾"



De Bakey



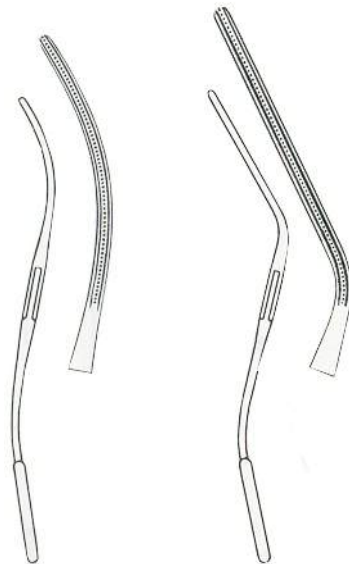
29-09783-10
10 cm/4"



29-09783-11
10.5 cm/4½"



De Bakey



29-09783-12
12 cm/4¾"

29-09783-13
13 cm/5"

Carotid Clamps



Javid
29-09787-18
18 cm/7"



Javid
29-09787-19
19 cm/7½"



Cooley

Charriere (French)	Length cm	
24	16	29-09789-24
26	16	29-09789-26
28	20	29-09789-28
30	20	29-09789-30
32	20	29-09789-32
36	20	29-09789-36

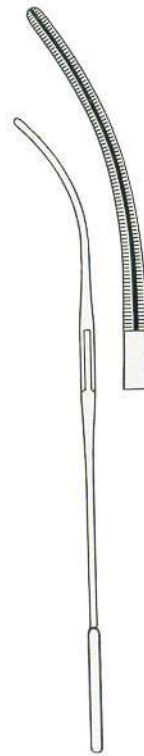


Cooley

Coarctation Clamps



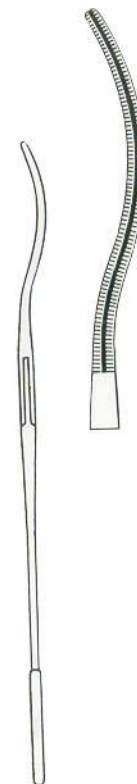
Cooley
29-09792-17
17 cm/6¾"



29-09793-17
17 cm/6¾"



29-09795-17
17 cm/6¾"



29-09797-17
17 cm/6¾"



Cooley



Cooley
29-09799-20
20 cm/8"



Cooley



29-09801-03
17 cm/6¾"

29-09801-02
15.5 cm/6"



29-09801-01
15 cm/6"



Cooley
29-09803-17
17 cm/6¾"

Anastomosis clamps



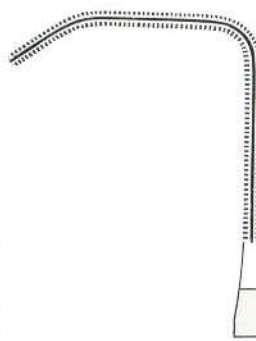
Cooley



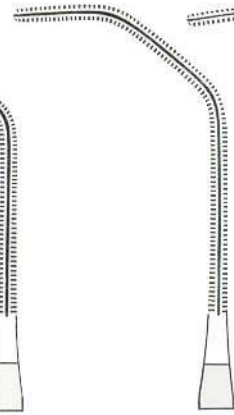
Cooley



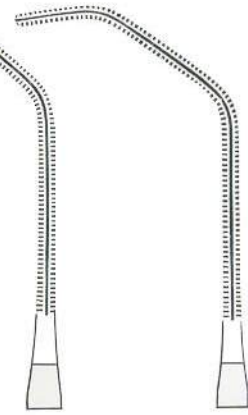
29-09807-01
16.5 cm/6½"



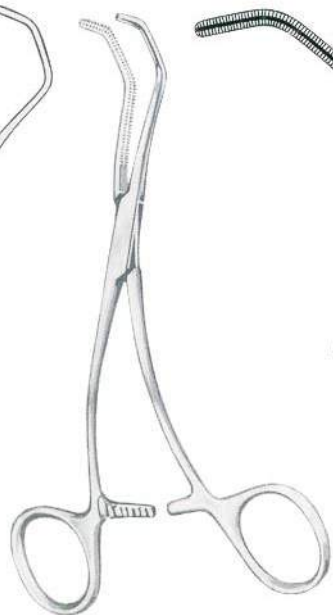
29-09807-02
16.5 cm/6½"



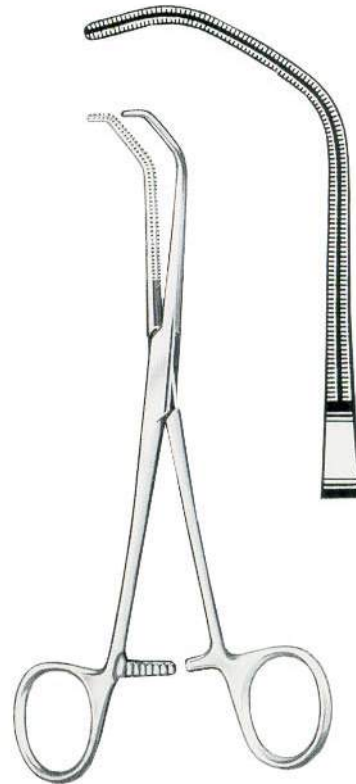
29-09807-03
17.5 cm/7"



29-09807-04
17.5 cm/7"



Cooley
29-09811-16
16 cm/6¼"



Beck
29-09815-17
17 cm/6¾"



Cooley



Cooley-Derra



29-09819-16
16 cm/6 1/4"

29-09819-17
17 cm/6 3/4"

29-09819-18
18 cm/7"



Cooley

29-09823-16 16 cm/6 1/4"
29-09823-17 17 cm/6 3/4"



16 cm/6 1/4"

17 cm/6 3/4"

Ligature clamps



Cooley
14 cm/5½"



Cooley
29-09830-14
14 cm/5½"



Cooley
29-09833-14
14 cm/5½"



Cooley
29-09837-14
14 cm/5½"





Fig.



Fig.

Fig.	Straight
1	29-09842-01
2	29-09842-02
3	29-09842-03
4	29-09842-04
5	29-09842-05
6	29-09842-06
7	29-09842-07
8	29-09842-08
9	29-09842-09

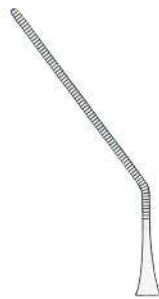


Fig.	Angled
1	29-09843-01
2	29-09843-02
3	29-09843-03
4	29-09843-04
5	29-09843-05
6	29-09843-06
7	29-09843-07
8	29-09843-08
9	29-09843-09



Fig.	Curved
1	29-09845-01
2	29-09845-02
3	29-09845-03
4	29-09845-04
5	29-09845-05
6	29-09845-06
7	29-09845-07
8	29-09845-08
9	29-09845-09





29-09847-01
13 cm/5"



29-09847-02
13 cm/5"



29-09847-03
13 cm/5"



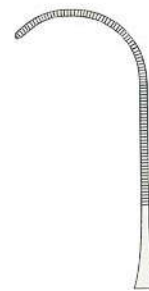
Castaneda



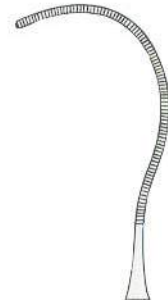
29-09847-04
15 cm/6"



29-09847-05
15 cm/6"



29-09847-06
15 cm/6"



29-09847-07
15 cm/6"



Cooley
29-09849-01
25 cm/10"



Cooley
29-09849-02
33 cm/13"



Cooley
29-09849-03
30 cm/12"



Cooley
29-09849-04
30 cm/12"

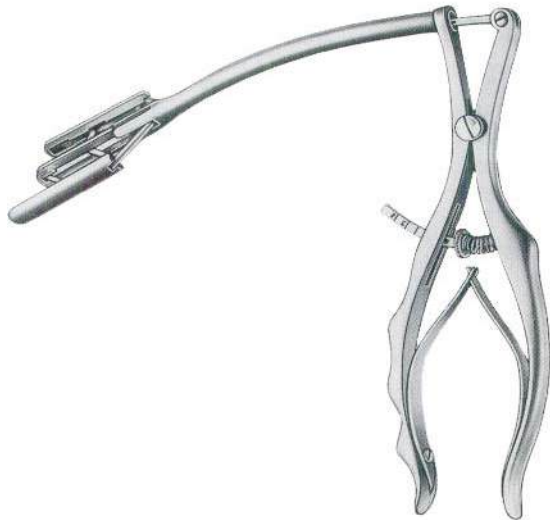


Cooley
29-09849-05
35 cm/13¾"

Tourniquets



Rumel-Belmont
29-09851-32 3.2 mm Ø
29-09851-64 6.4 mm Ø



Cooley
29-09853-00



Gerbode
29-09854-00



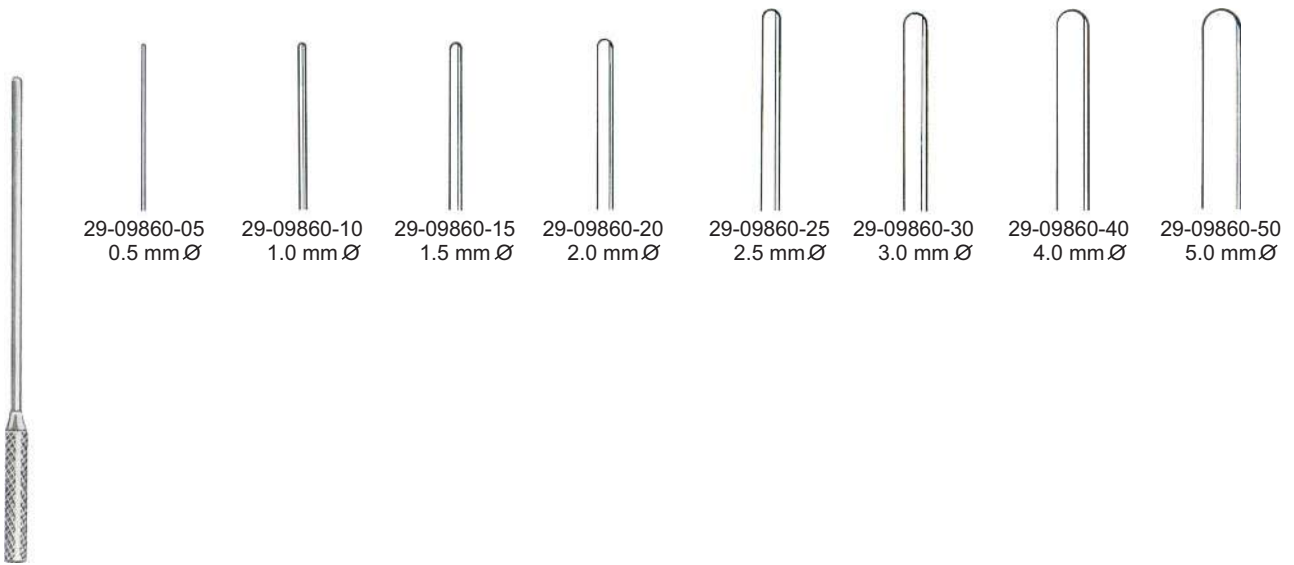
Tubbs
29-09855-00



De Bakey

mm Ø	19 cm/7 1/2"	35 cm/14"
0.5	29-09857-05	29-09858-05
1.0	29-09857-10	29-09858-10
1.5	29-09857-15	29-09858-15
2.0	29-09857-20	29-09858-20
2.5	29-09857-25	29-09858-25
3.0	29-09857-30	29-09858-30
3.5	29-09857-35	29-09858-35
4.0	29-09857-40	29-09858-40
4.5	29-09857-45	29-09858-45
5.0	29-09857-50	29-09858-50
7.0	29-09857-70	29-09858-70
9.0	29-09857-90	29-09858-90

Malleable



29-09860-05 0.5 mm Ø 29-09860-10 1.0 mm Ø 29-09860-15 1.5 mm Ø 29-09860-20 2.0 mm Ø 29-09860-25 2.5 mm Ø 29-09860-30 3.0 mm Ø 29-09860-40 4.0 mm Ø 29-09860-50 5.0 mm Ø

Cooley
13 cm/5"



Children
30-09862-07
7 cm/2¾"

Weiss

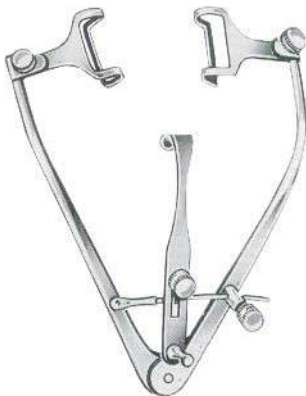
Adults
30-09862-09
9 cm/3½"



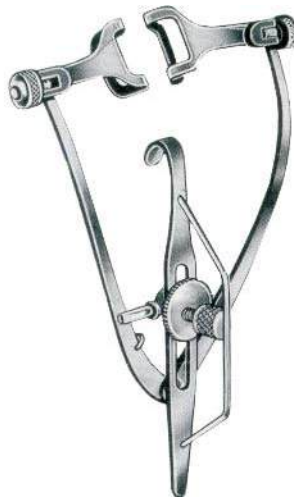
Children
30-09864-07
7 cm/2¾"

Weiss

Adults
30-09864-09
9 cm/3½"



Park
30-09868-08
8 cm/3¼"



Park-Guyton
30-09870-08
8 cm/3¼"



Park-Maumenee
30-09872-08
8 cm/3¼"



Children
30-09874-03
3 cm/1¼"

Barraquer (Colibri)

Adults
30-09874-04
4 cm/1½"



Barraquer
30-09876-04
4 cm/1½"



Bowman
30-09878-07
7 cm/2¾"



Sauer
30-09880-03
3 cm/1¼"

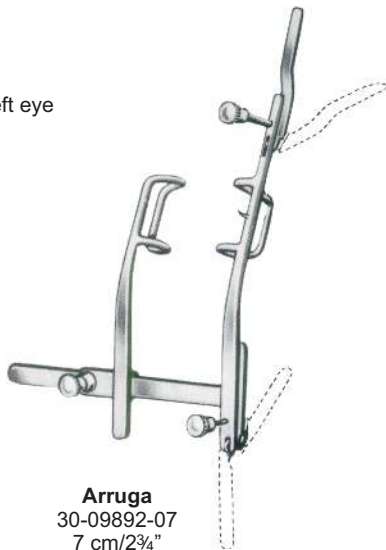


Goldstein
30-09884-03
3 cm/1¼"



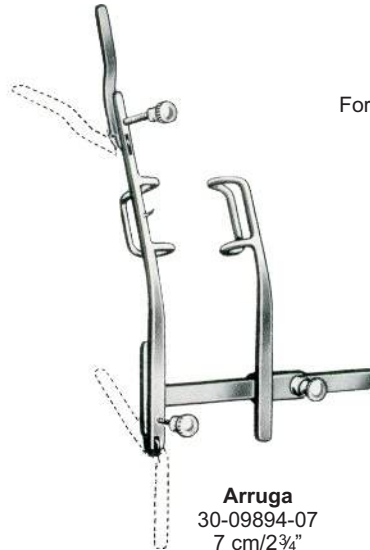
Pley
30-09888-06
6 cm/2¼"

For left eye



Arruga
30-09892-07
7 cm/2¾"

For right eye



Arruga
30-09894-07
7 cm/2¾"



Mellinger-Axenfeld
30-09898-07
7 cm/2¾"



Mellinger-Axenfeld
30-09900-07
7 cm/2¾"

Children
30-09904-05
5 cm/2¾"



Mellinger
Adults
30-09904-07
7 cm/2¾"



Children	Mellinger Beard	Adults
30-09908-05		30-09908-07
5 cm/2"		7 cm/2¾"



Knapp Clark
30-09912-08
8 cm/3¼"



Children	Graefe	Adults
30-09916-06		30-09916-09
6 cm/2½"		9 cm/3½"



Children	Cook	Adults
30-09920-04		30-09920-05
4 cm/1½"		5 cm/2"



Lancaster
30-09924-08
8 cm/3¼"



Children	Williams	Adults
30-09928-07		30-09928-08
7 cm/2¾"		8 cm/3¼"



Lister-Burch
30-09932-08
8 cm/3¼"



Weiss
30-09936-08
8 cm/3¼"



Murdock
30-09940-05
5 cm/2"



Mueller
30-09944-07
7 cm/2¾"



Critchett
30-09948-06
6 cm/2½"



Castroviejo
30-09952-08
8 cm/3¼"



Stevenson
30-09956-07
7 cm/2¾"



Agricola
30-09960-04
4 cm/1½"



Schepens
30-09964-13
13 cm/5"



Desmarres
30-09968-13
13 cm/5"



8 mm

Conway
30-09972-13
13 cm/5"



Desmarres
13 cm/5"



30-09976-12
12 mm



30-09976-14
14 mm



30-09976-16
16 mm

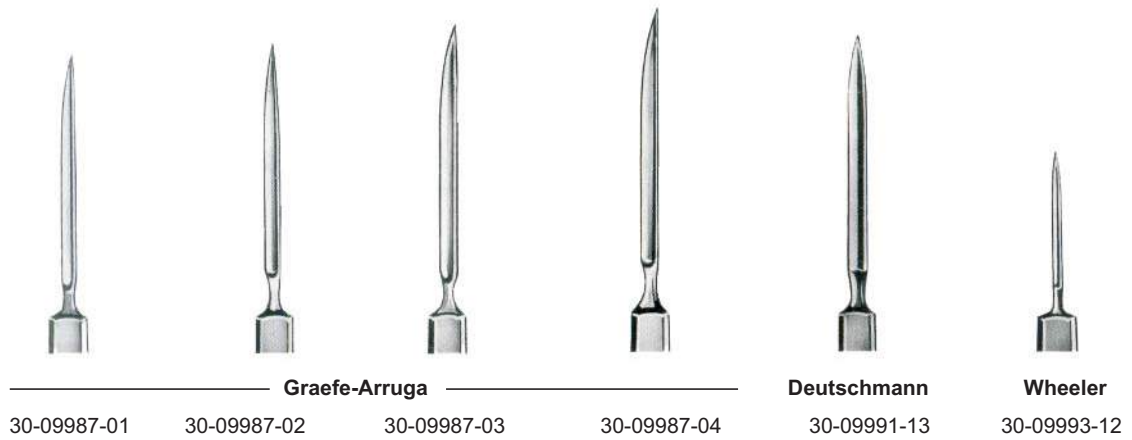
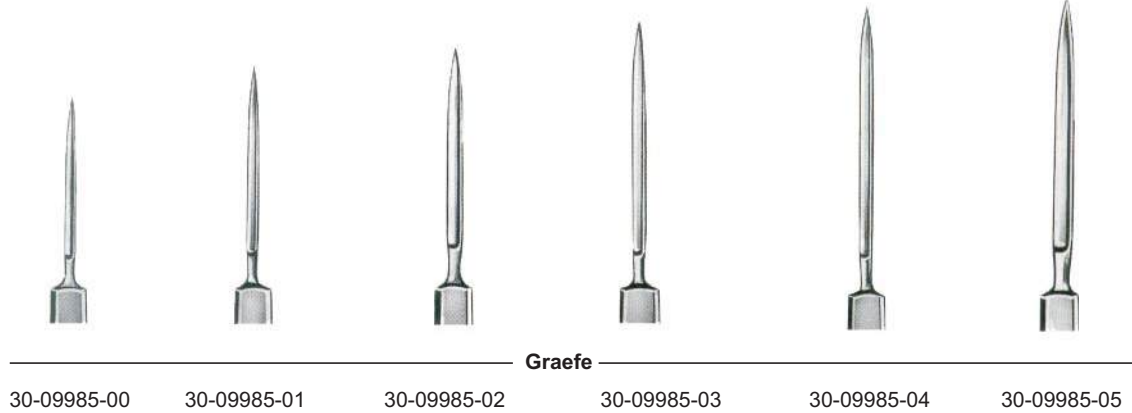
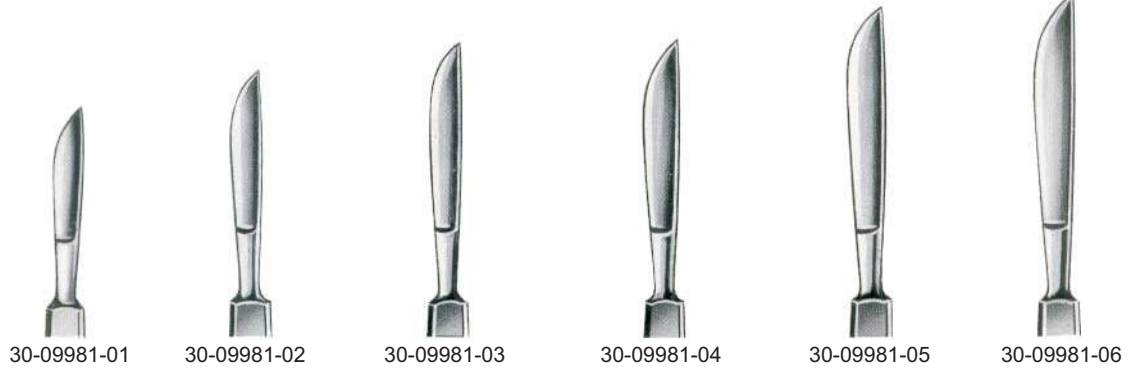


30-09976-18
18 mm

Lid plate



Jaeger
30-09980-11
11 cm/4 1/2"





Jaeger
30-09997-01



30-09997-02



30-09997-03



30-09997-04



30-09999-01



30-09999-02



30-09999-03



30-09999-04



30-10001-01



30-10001-02



30-10001-03



30-10001-04



30-10003-01



30-10003-02



30-10003-03



30-10003-04

Jaeger-Grieshaber



30-10005-01



30-10005-02

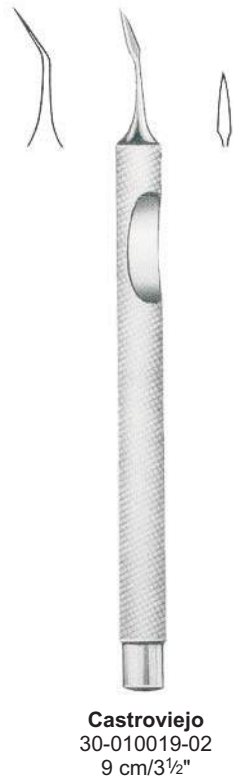
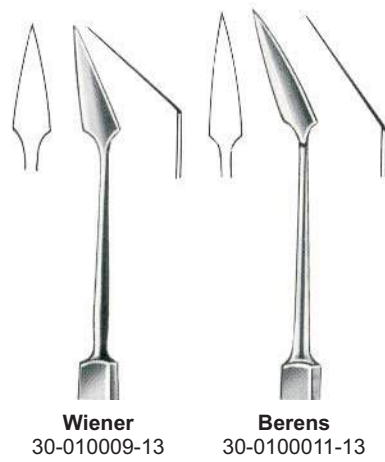


30-10005-03



30-10005-04

Jaeger-Grieshaber





Mod. Hamburg
30-010023-12



Graefe
30-010025-13



30-010027-01



Weber
30-010027-02



30-010027-03



Bowman
30-010029-04
0.4 mm



Bowman
30-010029-05
0.5 mm



Bowman
30-010029-06
0.6 mm



Bowman
30-010029-07
0.7 mm



Bowman
30-010029-08
0.8 mm



Left **Bowman** Right
30-010031-01 30-010031-02



30-010033-01



Knapp
30-010033-02



30-010033-03



30-010035-05
5 mm



Ziegler
30-010035-06
6 mm



30-010035-07
7 mm



Dean
30-010037-13



Zigler
30-010039-11
3½ mm



Sato
30-010041-12



Sichel
30-010043-13



Graefe
30-010045-13



Graefe
30-010047-13



30-010049-01



Kuhnt
30-010049-02



30-010049-03



30-010049-04



Paton
30-010051-12



Elsching
30-010053-13



Took
30-010055-12



30-010057-01



Desmarres
30-010057-02



30-010057-03



Gill
30-010059-12



Anderson-Critchett
30-010061-12



Lundsgaard
30-010063-12



Guyton-Lundsgaard
30-010065-12



Barken
30-010067-12



Scheie
30-010069-12



Burch
30-010071-12



30-010073-12



30-010075-12



30-010077-12



30-010079-12



30-010081-12



30-010083-12



Schweiz. Mod.
30-010085-12



30-010087-13



30-010089-13



Levinson
30-010091-13



Alvis
30-010093-12



Francis
30-010095-12



**La Force
(Golf-Club)**
30-010097-12



Davis
30-010099-13



Dix
30-010101-13



Ellis
30-010103-11



Plango
30-010105-12



Nicati
30-010107-12



Walton
30-010109-12



Walton
30-010111-12



Meyer
30-010113-12



Green
30-010115-13



Rollet
30-010117-12



Graefe
30-010119-13



Graefe
30-010121-19



Graefe
30-010123-13



**Becker
Melleable**
30-010125-13



Tuebingen
30-010127-13



Mod. Bonn
30-10129-14
14 cm/5½"



Hirschmann
Blunt
30-10132-10



Graefe
Sharp
30-10133-12



Graefe
Blunt
30-10136-12



Knolle
30-10140-01

◀ Blunt ▶



Jeffe-Knolle
30-10140-02



O'Connor
30-10144-12



Wiener

Sharp
30-10047-13

Blunt
30-10148-13



Hirschmann
30-10152-13



Graefe
30-10156-13



McGannan
30-10160-13
13 cm/5"



Meyer-Schwickerath
30-10164-13
13 cm/5"



Jaeger
30-10168-01



Jaeger
30-10168-02



Left Arruga
30-10172-01



Right
30-10172-02



Jameson
30-10176-12



Culler
30-10180-12



Green
30-10184-13



Guthrie
30-10188-12



Guthrie
30-10190-13



Berens
30-10194-12



Knapp
Blunt
30-10198-13



Rollet
Sharp
30-10201-12



Rollet
30-10204-12



Fink
Blunt
30-10208-12



Right
30-10212-01

Left
30-10212-02

10.5 cm/4 1/4"



Knapp-Rollet
30-10216-02



Flexible
30-10216-03



30-10216-04



Axenfeld

Sharp
30-10219-14

Blunt
30-10220-14



Axenfeld

Sharp
30-10223-14

Blunt
30-10224-14



Paul
30-10228-12



Sautter
30-10232-01



Sautter
30-10232-02



Sautter
30-10232-03



Arruga
30-10236-13



Stevens
30-10240-14



Stevens
30-10244-12



Graefe
30-10248-01



Graefe
30-10248-02



Graefe
30-10248-03



Wecker
30-10251-13



Wecker
30-10252-13



Stock
30-10255-13



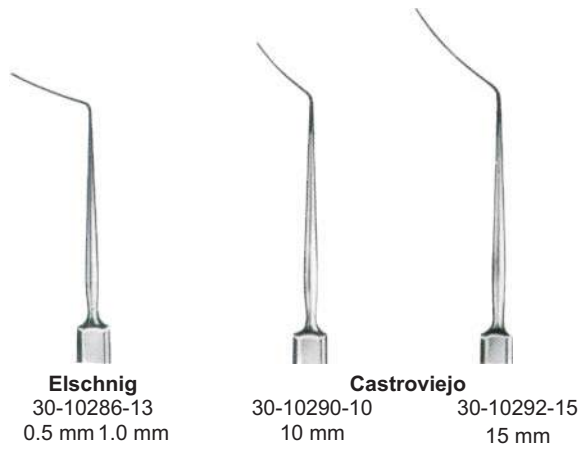
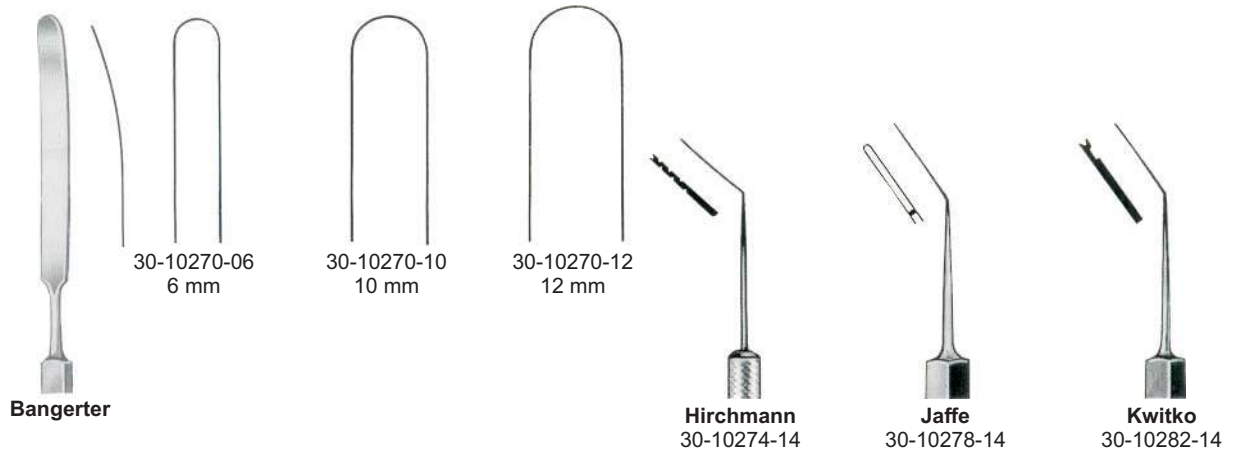
Stock
30-10257-13



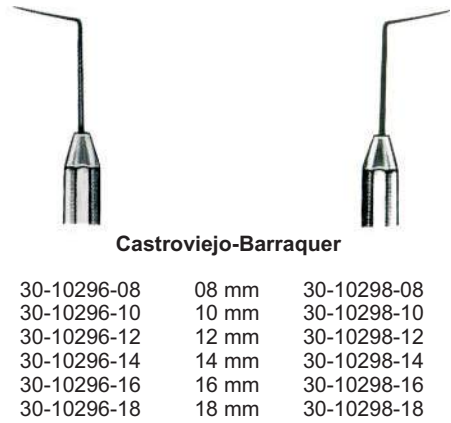
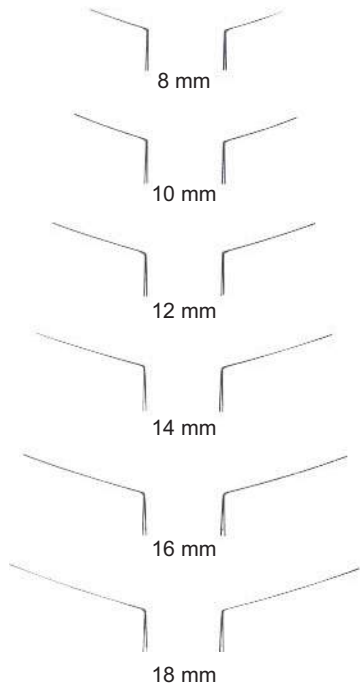
Culler
30-10262-13



Suker
30-10266-14



Width of Spatula







Enucleation Scoops

Small
30-10348-16

Large
30-10348-20

Wells

Chalazion Curettes



Meyhoefer

30-10352-05
0.5 mm Ø

30-10352-10
1.0 mm Ø

30-10352-15
1.5 mm Ø

30-10352-18
1.8 mm Ø

30-10352-20
2.0 mm Ø

30-10352-25
2.5 mm Ø

30-10352-35
3.5 mm Ø



Meyhoefer
30-10352-40
4.0 mm Ø

Meyhoefer
30-10352-45
4.5 mm Ø

30-10356-10
1.0 mm Ø

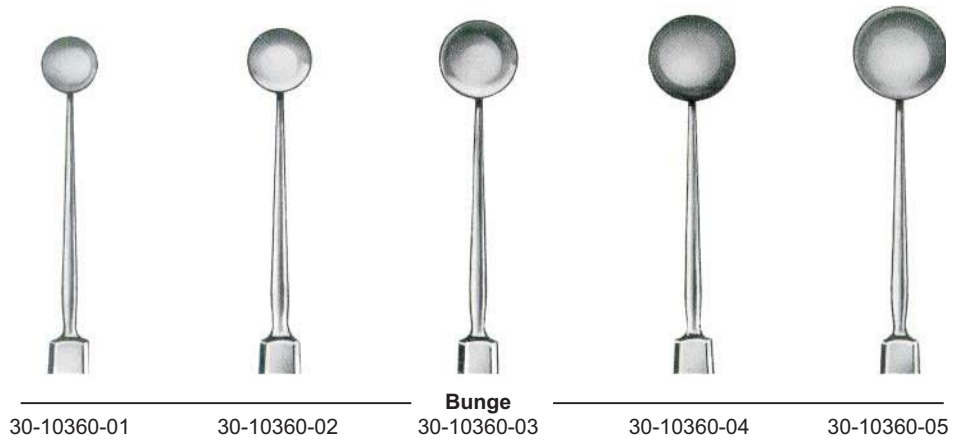
30-10356-20
2.0 mm Ø

Hebra
30-10356-25
2.5 mm Ø

30-10356-30
3.0 mm Ø

30-10356-35
3.5 mm Ø

Exenteration Scoops



Irrigating Cannulas

Straight



Binkhorst
30-10372-01
22 gauge

Right



Binkhorst
30-10372-02
22 gauge

Left



Binkhorst
30-10372-03
22 gauge

Probe Point



Bonn
30-10372-04
20 gauge



Bonn
30-10372-05
19 gauge



Hamburg
30-10372-06
23 gauge



Simcoe
30-10376-01
23 gauge

Irrigation/Aspiration Cannulas



Gills-Welsh
30-10376-02
25/23 gauge

Cystotome Cannulas



Knolle-Kelmann
30-10380-01
22 gauge



Nevyas
30-10380-02
22 gauge



Kratz
30-10380-03
22 gauge

Lens Manipulation Cannulas



Freeman
30-10384-01
27 gauge

Irrigating Vectis Cannulas



Cortex Aspiration Cannulas



Capsule Polishing Cannulas



Lachrymal Cannulas



30-10400-01
25 gauge



30-10400-02
25 gauge



30-10400-03
25 gauge



30-10400-04
25 gauge



Bonn
30-10400-05
19 gauge



Bangerter
30-10400-06 40 mm
30-10401-06 60 mm



Anel
30-10400-07
23 gauge



Anel
30-10400-08
23 gauge

Alpha-Chymotrypsin Cannula



30-10404-00
23 gauge

Air Injection Cannula



Sauter
30-10406-00
27 gauge

Collar Button Cannulas



Graether

Straight
30-10408-01

Angled
30-10408-02

Knife Cannula



Sato
30-10408-03
23 gauge

A/C Puncture Cannula



Schreck
30-10408-04
21 gauge



Castroviejo
30-10412-15



Castroviejo
30-10412-20
20 mm



Holth
30-10416-01



Haitz
30-10416-02



West
30-10420-16
16 cm/6¼"



West
30-10422-16
16 cm/6¼"



Connin-Amsler
30-10426-13
13 cm/5"



Wildier
30-10430-01



Wildier
30-10430-02



Wildier
30-10430-03



Castroviejo
30-010434-12



Muldoon
30-10438-10



Simpson
30-10442-01



Harms
30-10446-01



30-10446-02

Bowman
Fig.

0000/0000	30-10450-04
000/000	30-10450-03
00/00	30-10450-02
0/0	30-10450-01
1/1	30-10450-11
2/2	30-10450-22
3/3	30-10450-33
4/4	30-10450-44
5/5	30-10450-55
6/6	30-10450-66
7/7	30-10450-77
8/8	30-10450-88



Bowman
Fig.

0000/000	30-10452-03
000/00	30-10452-02
00/0	30-10452-00
0/1	30-10452-01
1/2	30-10452-12
2/3	30-10452-23
3/4	30-10452-34
4/5	30-10452-45
5/6	30-10452-56
6/7	30-10452-67
7/8	30-10452-78



Bowman
Fig.

0000/000	30-10454-03
000/00	30-10454-02
00/0	30-10454-00
0/1	30-10454-01
1/2	30-10454-12
2/3	30-10454-23
3/4	30-10454-34
4/5	30-10454-45
5/6	30-10454-56
6/7	30-10454-67
7/8	30-10454-78



Martial: NS German Silver



Castroviejo

Castroviejo
Width of Spatula

	mm
30-10458-05	0.50
30-10458-07	0.75
30-10458-10	1.00



Castroviejo
30-10462-12



Wheeler
30-10466-12



Lindner
30-10470-13



Smith-Fisher
30-10474-12



Green
30-10478-12



Dix
30-10482-01



Dix
30-10482-02



Stille
30-10486-01



Stille
30-10486-02



30-10490-12



Needle Only
30-10498-01

Chisel Only
30-10498-02

Gouge Only
30-10498-03

30-10494-13 30-10495-13



30-10500-13

Instrumentation for D. B. Kirby Operations



30-10502-10



Teeth
30-10506-10 1:2 Teeth
30-10508-10 2:3 Teeth



30-10510-10
1:2



Kirby
30-10514-10
10 cm/4"



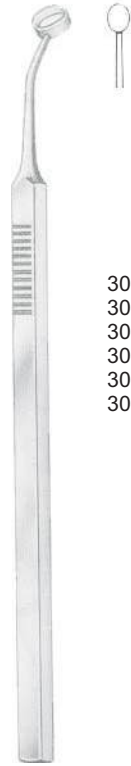
Kirby
30-10516-10
10 cm/4"



30-10518-10



30-10520-10



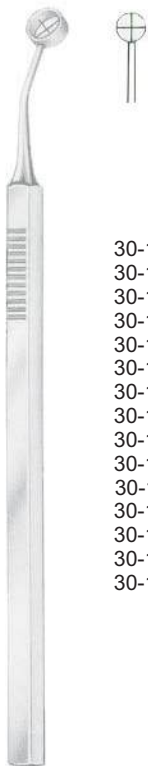
- 30-10524-01 =3.0 x 3.5 mm
- 30-10524-02 =3.0 x 4.0 mm
- 30-10524-03 =3.0 x 4.5 mm
- 30-10524-04 =3.5 x 4.0 mm
- 30-10524-05 =3.5 x 4.5 mm
- 30-10524-06 =3.5 x 5.0 mm

Bores



- 30-10528-01 =2.75 mm
- 30-10528-02 =3.00 mm
- 30-10528-03 =3.25 mm
- 30-10528-04 =3.75 mm
- 30-10528-05 =4.00 mm
- 30-10528-06 =4.25 mm
- 30-10528-07 =4.50 mm
- 30-10528-08 =4.75 mm
- 30-10528-09 =5.00 mm
- 30-10528-10 =6.00 mm
- 30-10528-11 =8.00 mm

Bores



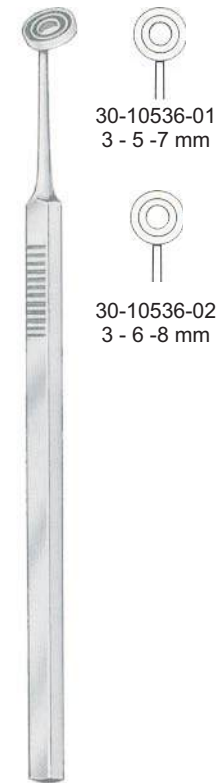
- 30-10532-01 =3.00 mm
- 30-10532-02 =3.25 mm
- 30-10532-03 =3.50 mm
- 30-10532-04 =3.75 mm
- 30-10532-05 =4.00 mm
- 30-10532-06 =4.25 mm
- 30-10532-07 =4.50 mm
- 30-10532-08 =4.75 mm
- 30-10532-09 =5.00 mm
- 30-10532-10 =5.50 mm
- 30-10532-11 =6.00 mm
- 30-10532-12 =7.00 mm
- 30-10532-13 =8.00 mm
- 30-10532-14 =9.00 mm
- 30-10532-15 =1.11 mm

Hoffer



- 30-10536-00
3 - 5 mm

Hoffer



- 30-10536-01
3 - 5 - 7 mm

- 30-10536-02
3 - 6 - 8 mm

Hoffer



Tuebingen
30-10540-10
10 cm/4"



Tuebingen
30-10544-08
8.5 cm/3½"



Paufigue
30-10548-10
10 cm/4"



Barraquer
30-10552-10
10.5 cm/4¼"



McPherson
30-10556-10
10 cm/4"



McPherson
30-10560-07
7.5 cm/3"



McCullough
30-10564-09
9.5 cm/3 3/4"



McCullough
30-10568-09
9.5 cm/3 3/4"



Bonaccoito
30-10572-10
10 cm/4"



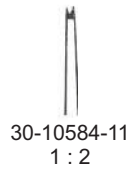
Bonaccoito
30-10576-10
10 cm/4"



30-10580-11
11 cm/4 1/2"



11 cm/4 1/2"



30-10584-11
1 : 2



30-10586-11
2 : 3



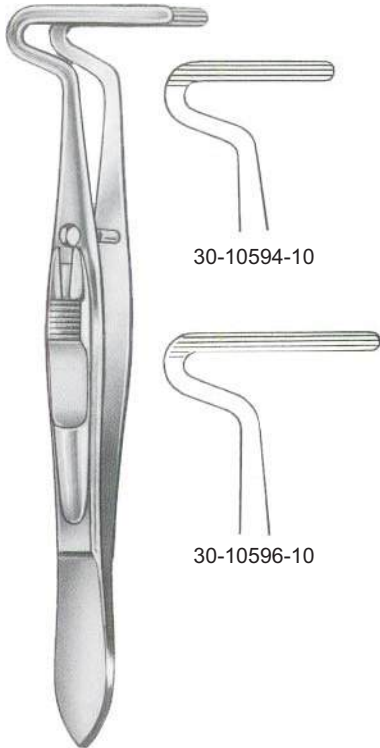
Nugent
10 cm/4"



30-10590-01



30-10590-02



Berke
10 cm/4"



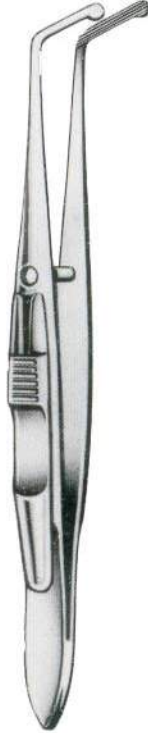
Blascovics
30-10600-09
9 cm/3½"



Blascovics
30-10601-09
9 cm/3½"



Worth
30-10604-10
10 cm/4"



Worth
30-10605-10
10 cm/4"



Jameson
30-10608-10
10 cm/4"



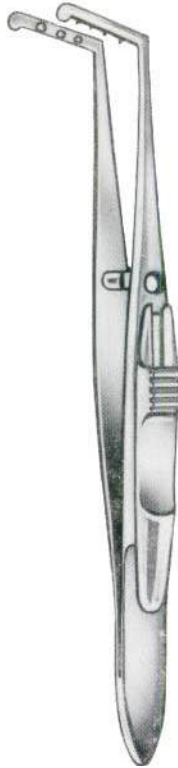
Jameson
30-10609-10
10 cm/4"



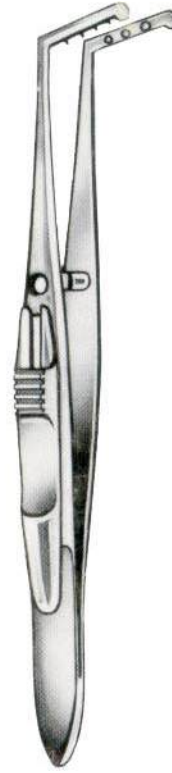
Prince
30-10612-10
10 cm/4"



Prince
30-10613-10
10 cm/4"



Sattler
30-10616-10
10 cm/4"



Sattler
30-10617-10
10 cm/4"



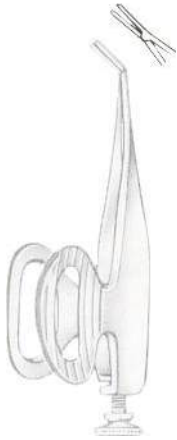
Snellen
30-10620-10
10 cm/4"



Snellen
30-10621-10
10 cm/4"



Erhardt
30-10624-09
9 cm/3 1/2"



Barraquer
30-10628-05
5.5 cm/2¼"



Barraquer
30-10628-07
5.5 cm/2¼"



Barraquer
30-10628-10
5.5 cm/2¼"

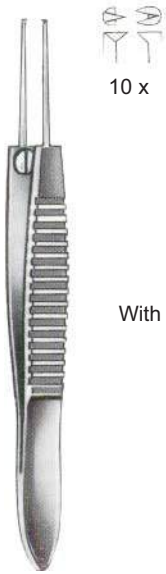


Hess
30-10632-09
9 cm/3½"

◀Swiss patterns▶



Hess
30-10634-09
9 cm/3½"



10 x

With guide pin

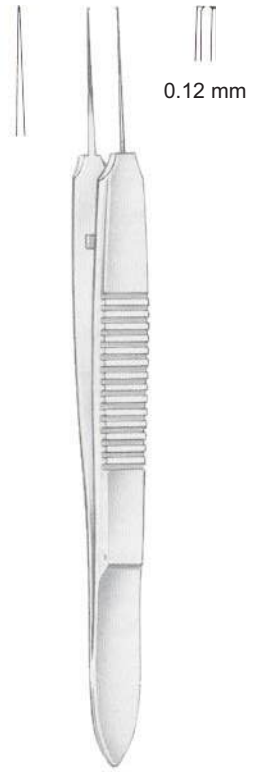
1:2
Bonn
30-10638-07
7 cm/2¾"



10 x

Without guide pin

1:2
Bonn
30-10640-07
7 cm/2¾"



0.12 mm

Bonn
30-10642-10
10 cm/4"



Bishop-Harman
30-10646-08
8.5 cm/3½"



Bishop-Harman
30-10648-08
8.5 cm/3½"



Bishop-Harman
30-10650-08
8.5 cm/3½"



1:2
Bishop-Harman
30-10652-08
8.5 cm/3½"



Graefe
30-10656-05 0.5 mm
30-10656-07 0.7 mm
30-10656-10 1.0 mm
7 cm/2¾"



Graefe
30-10657-05 0.5 mm
30-10657-07 0.7 mm
30-10657-10 1.0 mm
7 cm/2¾"



1:2 Graefe
30-10660-05 0.5 mm
30-10660-07 0.7 mm
30-10660-10 1.0 mm
7 cm/2¾"



1:2 Graefe
30-10661-05 0.5 mm
30-10661-07 0.7 mm
30-10661-10 1.0 mm
7 cm/2¾"



Foerster
30-10664-08
8.5 cm/3½"



Foerster
30-10665-08
8.5 cm/3½"



Foerster
30-10668-08
8.5 cm/3½"



Foerster
30-10669-08
8.5 cm/3½"



Graefe
10 cm/4"



30-10672-10



30-10673-10



30-10675-10



30-10678-10



30-10679-10



30-10681-10

Conjunctival forceps



Stevens
10.5 cm/4 1/4"



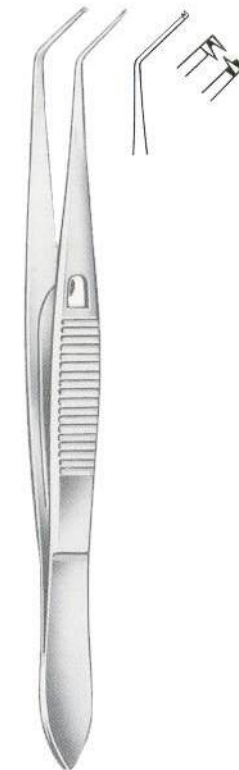
30-10684-10



30-10685-10



30-10687-10



O'Connor
30-10696-10
10 cm/4"



30-10690-10



30-10691-10



30-10693-10



Stevens
30-10700-11
11 cm/4 1/2"



Stevens
30-10701-11
11 cm/4 1/2"



Fischer
30-10705-07
7 cm/2¾"



Fischer-Arit
30-10707-07
7 cm/2¾"



Hess
30-10711-07
7 cm/2¾"



Hess
30-10713-07
7 cm/2¾"



Smooth **Chandler** Serrated
30-10717-01 7 cm/2¾" 30-10717-02



Fuchs
30-10721-07
7 cm/2¾"



Gill-Hess
30-10723-07
7.5 cm/3"



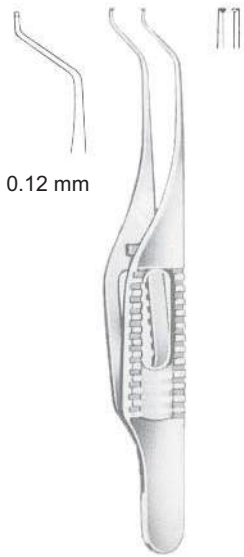
Gill-Hess Teeth Below
30-10727-07 7.5 cm/3"
30-10729-07 Teeth on side



Barraquer-Katzin
(Colibri)
30-10733-07
7 cm/2¾"

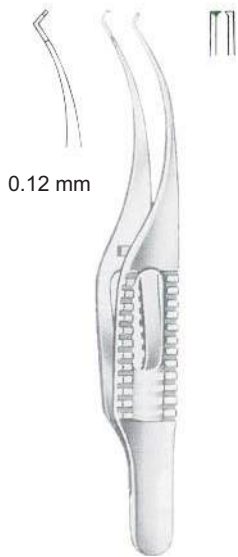


10 x



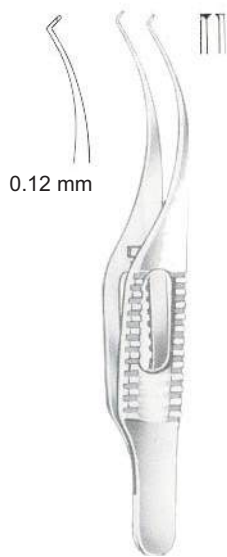
0.12 mm

Troutman (Colibri)
30-10737-07
7.5 cm/3"



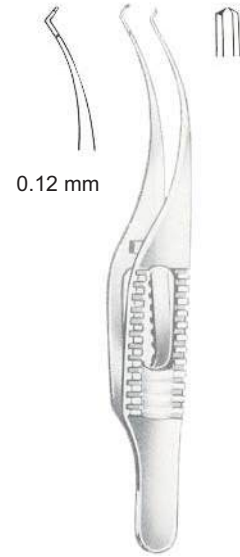
0.12 mm

Barraquer (Colibri)
30-10739-07
7 cm/2¾"



0.12 mm

Barraquer-Katzin (Colibri)
30-10741-07
7 cm/2¾"



0.12 mm

Barraquer (Colibri)
30-10743-07
7 cm/2¾"



Gill-Arruga
30-10745-07
7.5 cm/3"



Terson
30-10749-09
9 cm/3½"



Schweigger
30-10753-10
10 cm/4"



Schweigger
30-10755-10
10 cm/4"



Elschnig
30-10759-10
10 cm/4"



Hess
30-10763-06
6 cm/2¼"



Hess
30-10765-06
6.5 cm/2½"



Fuchs
30-10771-07
7 cm/2¾"



Kalt
30-10775-10
10 cm/4"



Terson
30-10779-09
9.5 cm/3¾"



Arruga-Nizetic
30-10783-10
10 cm/4"



Castroviejo
30-10787-10
10 cm/4"



Castroviejo
30-10789-10
10 cm/4"



Elschnig
30-10793-10
10 cm/4"

For Len Implantation



Binkhorst
30-10797-07
7 cm/2¾"



Arruga
30-10801-09
9.5 cm/3¾"



Arruga
30-10803-09
9.5 cm/3¾"



With irrigator
30-10807-01

Without irrigator
30-10807-02

Shepard



Dastoor
30-10811-06
6 cm/2 1/4"



Arruga
30-10815-10
10 cm/4"

Calibrated
Arruga
30-10817-10
10 cm/4"



Arruga
30-10819-10
10 cm/4"

Calibrated
Arruga-Elschnig
30-10821-10
10 cm/4"



Knapp
30-10824-11
11 cm/4¼"



Ayer
30-10828-09
9 cm/3½"



Ayer
30-10830-09
9 cm/3½"



Lambert
30-10834-09
9 cm/3½"



Desmarres
9 cm/3½"



30-10838-01

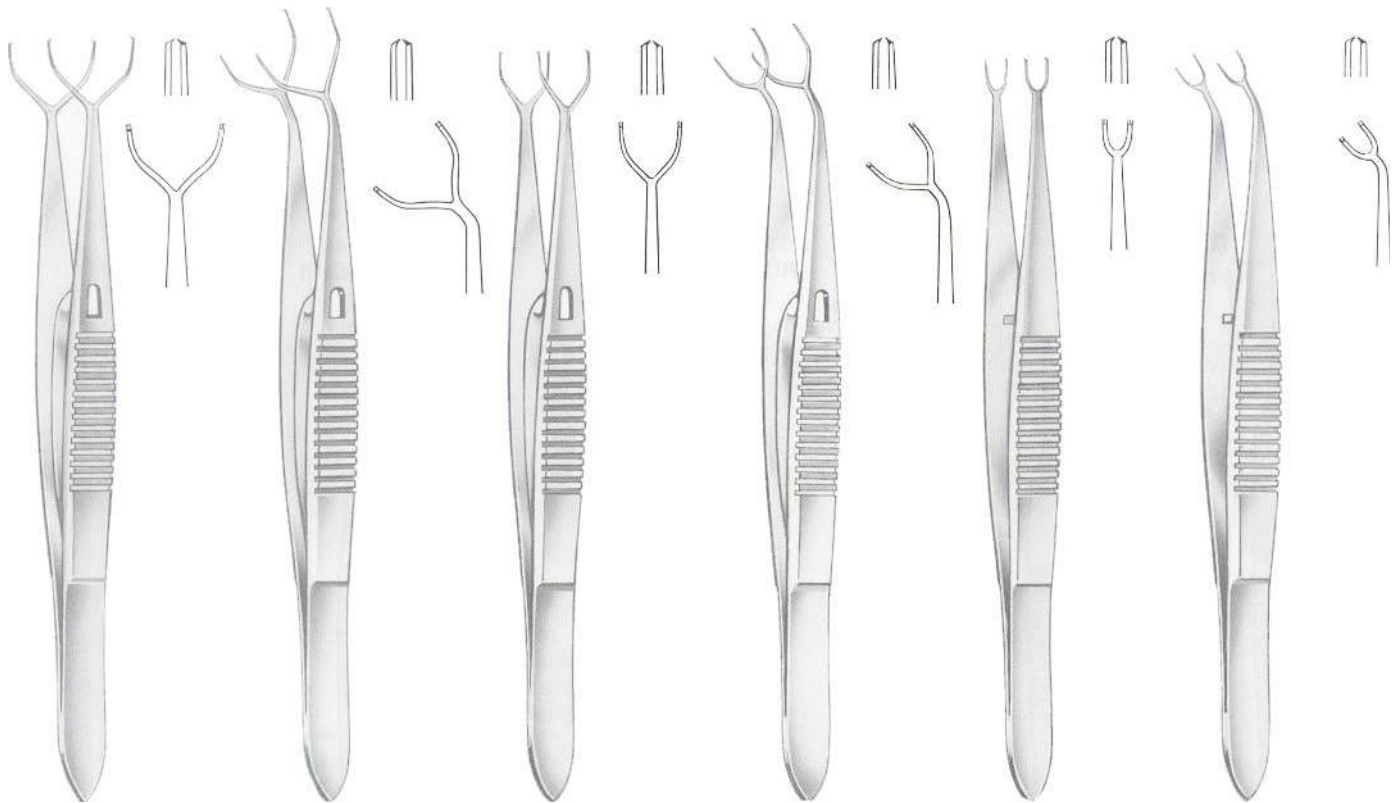


30-10838-02



30-10838-03

Corneal Fixation Forceps



Kremer
30-10842-10
10 cm/4"
0.12 mm

Kremer
30-10843-10
10 cm/4"
0.12 mm

Arrowsmith
30-10848-10
10 cm/4"
0.12 mm

Arrowsmith
30-10849-10
10 cm/4"
0.12 mm

Bores
30-10852-10
10 cm/4"
0.12 mm

Rubman-Bores
30-10853-10
10 cm/4"
0.12 mm



Without Spring Catch
30-10858-11

With Spring Catch
30-10860-11

Graefe
11 cm/4½"



2 : 3 Teeth

30-10864-11
11 cm/4½"



3 : 4 Teeth

30-10866-11
11 cm/4½"



Castroviejo
30-10870-09
9 cm/3½"



Castroviejo
30-10872-09
9 cm/3½"



Moorfield
30-10876-10
10 cm/4"



Lester
30-10880-02 1 : 2
30-10882-03 2 : 3
9 cm/3½"



Castroviejo
10 cm/4"

Straight
30-10886-01
30-10886-02
30-10886-03
30-10886-04
30-10886-05

Width of Teeth
0.12 mm
0.30 mm
0.50 mm
1.00 mm
1.05 mm

Curved
30-10887-01
30-10887-02
30-10887-03
30-10887-04
30-10887-05



Castroviejo
10 cm/4"



Castroviejo
30-10890-09
9 cm/3½"



St. Martin
30-10894-07
7 cm/2¾"



Elschnig
30-10898-11
11.5 cm/4½"



Elschnig
30-10900-11
11.5 cm/4½"



Barraquer
30-10904-10
10 cm/4"



Green
10 cm/4"

Wide
05 mm
10 mm

Without Spring Catch
30-10908-05
30-10908-10

Wide
05 mm
10 mm

With Spring Catch
30-10910-05
30-10910-10



30-10913-12
12 cm/4¾"



30-10914-12
12 cm/4¾"



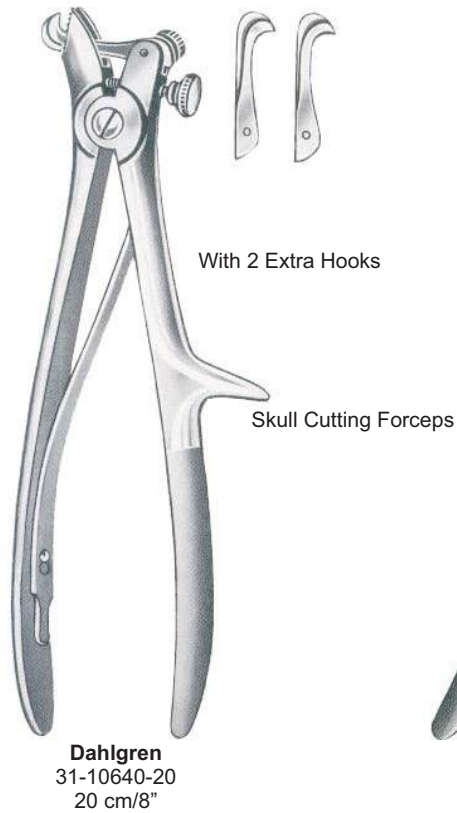
Woodruff
30-10918-13
13 cm/5"

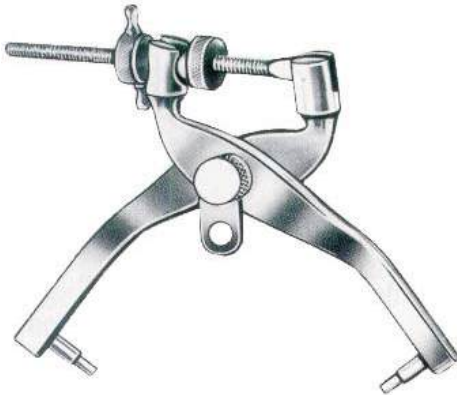


Woodruff
30-10920-13
13 cm/5"



Jacobi
30-10924-14
14 cm/5½"





Crutchfield
31-10948-00



Crutchfield
31-10952-00



31-10956-00

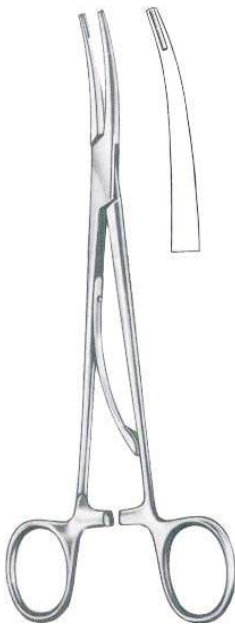


Crutchfield
31-10960-00
Complete With 2 Drills

Applying and Removing Forceps



Raney
31-10964-00
16 cm/6¼"



McKenzie
31-10968-15 15 cm/6"
31-10968-19 19 cm/7½"



Olivecrona-Tonnis
31-10972-14

Medial



- mm
31-10976-40 40 x 20
31-10976-45 45 x 20
31-10976-50 50 x 20
31-10976-55 55 x 20
31-10976-60 60 x 20

Lateral



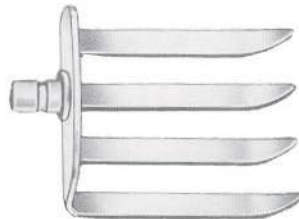
- mm
31-10978-40 40 x 20
31-10978-45 45 x 20
31-10978-50 50 x 20
31-10978-55 55 x 20
31-10978-60 60 x 20



- mm
31-10980-40 40 x 20
31-10980-45 45 x 20
31-10980-50 50 x 20
31-10980-55 55 x 20
31-10980-60 60 x 20



- Blunt Blades, For Taking
mm
31-10982-50 50 x 25
31-10982-50 60 x 25



- mm
31-10984-35 35 x 52
31-10984-40 40 x 52
31-10984-45 45 x 52
31-10984-50 50 x 52
31-10984-55 55 x 52
31-10984-60 60 x 52
31-10984-65 65 x 52
31-10984-70 70 x 52



- mm
31-10986-35 35 x 37
31-10986-40 40 x 37
31-10986-45 45 x 37
31-10986-50 50 x 37
31-10986-55 55 x 37
31-10986-60 60 x 37
31-10986-60 65 x 37
31-10986-60 70 x 37



- mm
31-10988-35 35 x 22
31-10988-40 40 x 22
31-10988-45 45 x 22
31-10988-50 50 x 22
31-10988-55 55 x 22
31-10988-60 60 x 22
31-10988-65 65 x 22
31-10988-70 70 x 22

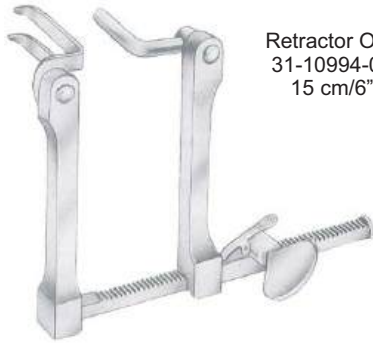


- mm
31-10990-50 50

Hook



- mm
31-10992-70 70



Retractor Only
31-10994-01
15 cm/6"

Caspar
31-10994-00

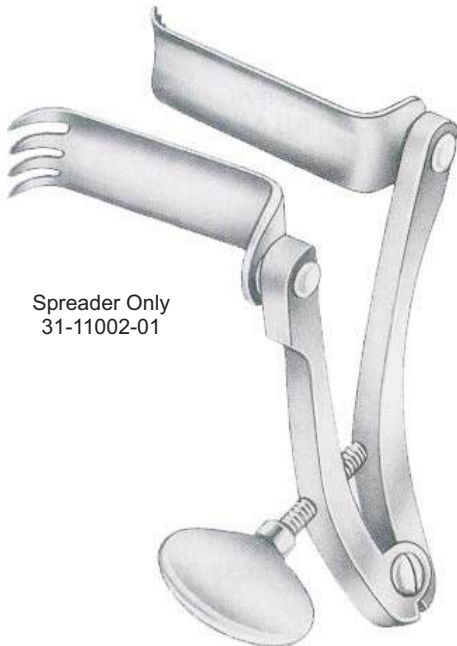
Retractor Complete With
1 Blade Each
31-10988-40
31-10990-50



Retractor Only
31-10998-01
12 cm/4 3/4"

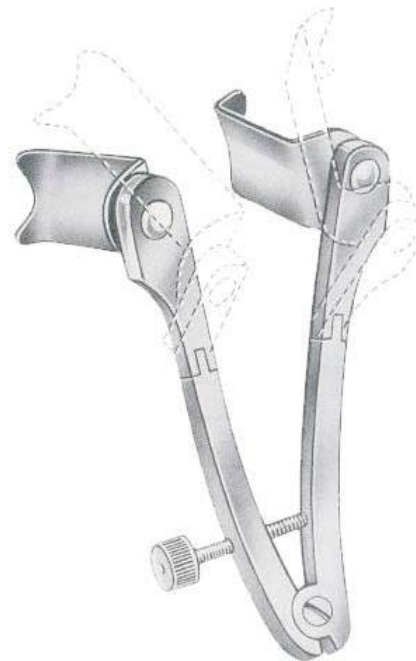
Caspar
31-10998-00

Retractor Complete With
1 Blade Each
31-10976-40
31-10978-40



Spreader Only
31-11002-01

Caspar
31-11002-00
Retractors Only
Spreader Complete With
1 Blade Each
31-11976-45
31-11976-60



Spreader Only
31-11006-01

Caspar
31-11006-00
Spreader Only
Retractor Complete With
1 Blade Each
31-11980-40
31-11980-40

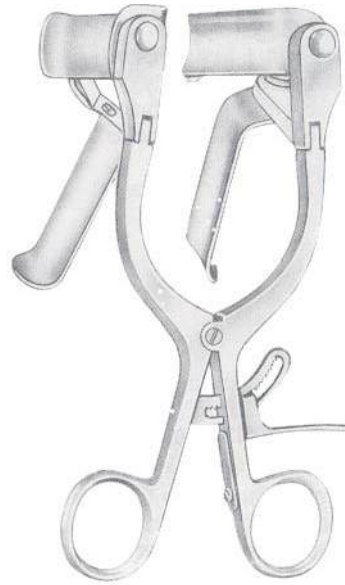
31-11010-01
15 cm/6"
Retractor only

Caspar
31-11010-00
31-10980-45
31-10980-65
Retractor complete with
1 blade each



31-11014-01
15 cm/6"
Retractor only

Caspar
31-11014-00
31-10980-45
31-10980-65
Retractor adjustable, con
1 blade each



31-11018-01
Retractor only
with 1 fixed blade

Caspar
31-11018-00
Retractor complete,
with 5 blades

31-11018-40
40 mm



31-11018-45
45 mm



31-11018-50
50 mm



31-11018-55
55 mm



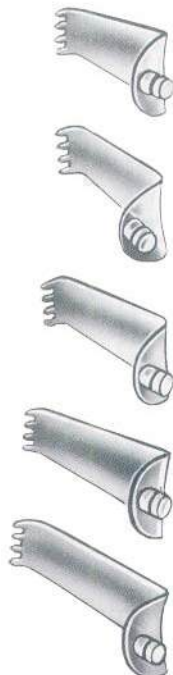
31-11018-60
60 mm





31-11022-01
Retractor only

Cloward
31-11022-00
25 cm/10"
complete with 5 blades



31-11022-40
15x40 mm

31-11022-45
15x45 mm

31-11022-50
15x50 mm

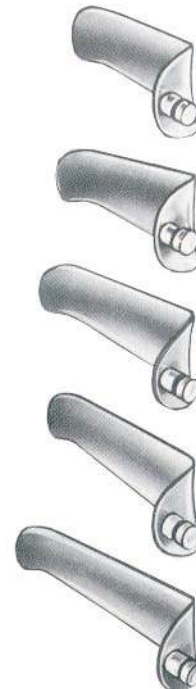
31-11022-55
15x55 mm

31-11022-60
15x60 mm



31-11026-01
Retractor only

Cloward
31-11026-00
15 cm/6"
complete with 5 blades



31-11026-40
15x40 mm

31-11026-45
15x45 mm

31-11026-50
15x50 mm

31-11026-55
15x55 mm

31-11026-60
15x60 mm



Inge
31-11030-16
16 cm/6 $\frac{1}{4}$ "



Inge
31-11032-27
27 cm/10 $\frac{3}{4}$ "



Cloward
31-11036-15
15 cm/6"



Cloward
31-11040-16
16 cm/6 $\frac{1}{4}$ "

Muscle blades



Frame
31-11044-01

Hey
31-11044-00
31-11046-00
23 cm/9"



31-11044-50
20x50 mm

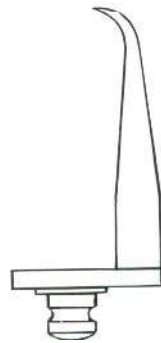


31-11044-60
20x60 mm



31-11044-70
20x70 mm

Vertebra-pins



31-11046-50
50 mm



31-11046-60
60 mm

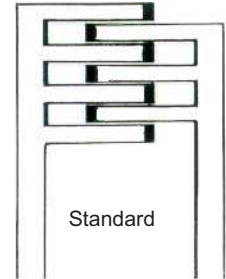


31-11046-70
70 mm



	Left-type	Right-type
50x10 mm	31-11050-01	31-11052-01
60x10 mm	31-11050-02	31-11052-02
70x10 mm	31-11050-03	31-11052-03
50x20 mm	31-11054-01	31-11056-01
60x20 mm	31-11054-02	31-11056-02
70x20 mm	31-11054-03	31-11056-03

Toothed

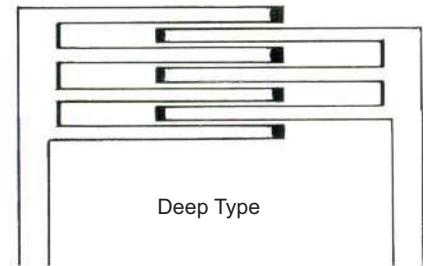


31-11060-00 Complete 31-11062-00
14.5 cm/5¾" Consisting of 17 cm/6¾"

31-11060-01 Frame 31-11062-01
31-11060-21 Centre Blades 31-11060-21
31-11060-22 31-11060-22
31-11060-23 31-11060-23



Henly



31-11064-00 Complete 31-11066-00
14.5 cm/5¾" Consisting of 17 cm/6¾"

31-11060-01 Centre Blades 31-11066-01
31-11060-21 31-11060-21
31-11060-22 31-11060-22
31-11060-23 31-11060-23



Davis
31-11070-24
24.5 cm/9 3/4"



Toennis
31-11074-25
25 cm/10"



Frazier
31-11078-15



Hoen
31-11080-15

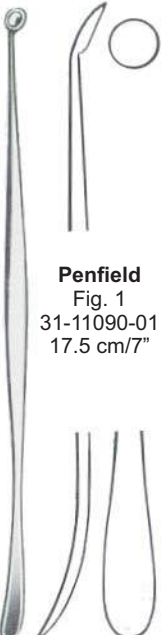


Hoen
31-11082-15

15 cm/6"



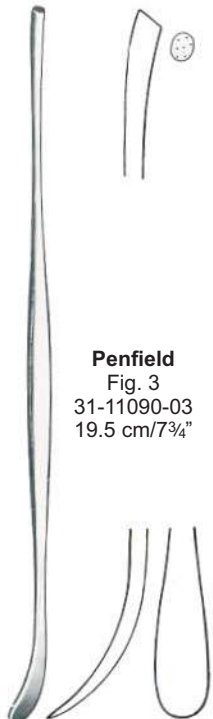
Love-Adson
31-11086-16
16 cm/6 1/2"



Penfield
Fig. 1
31-11090-01
17.5 cm/7"



Penfield
Fig. 2
31-11090-02
19.5 cm/7 3/4"



Penfield
Fig. 3
31-11090-03
19.5 cm/7 3/4"



Penfield
Fig. 4
31-11090-04
21.5 cm/8 1/2"

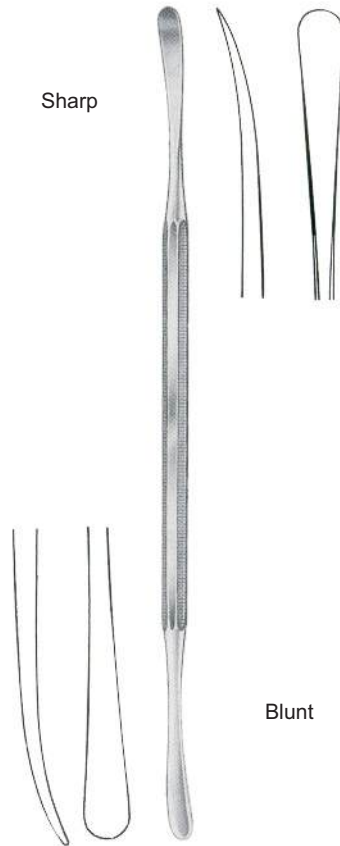


Penfield
Fig. 5
31-11090-05
29 cm/11 1/2"



Sachs
31-11094-21
21 cm/8¼"

Sharp



Blunt

31-11098-22
22 cm/8¼"



Woodsen
31-11102-25
25 cm/10"



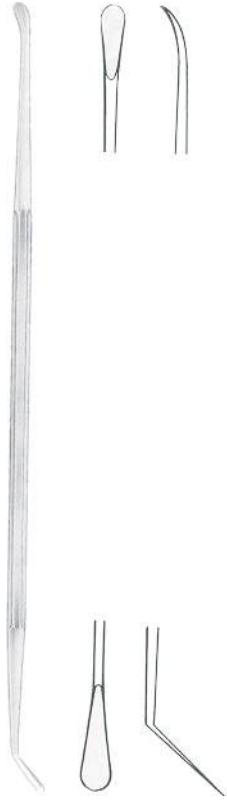
Fragner
31-11106-20
20 cm/8"



Fragner
31-11108-20
20 cm/8"



Sachs
31-11112-21
21 cm/8¼"



Milligan
31-11116-21 21 cm/8¼"



Olivecrona
31-11120-18 18 cm/7"
31-11120-24 24 cm/9½"



Olivecrona
31-11124-19 19.5 cm/7¾"
31-11124-24 24 cm/9½"



Horsley
31-11128-20 20 cm/8"



Sachs
31-11132-21 21 cm/8¼"



Cushing
17 cm/6¾"
20 cm/8"
28 cm/11"

31-11136-17
31-11136-20
31-11136-28



Olivecrona
18 cm/7"
Width of Spatulas

	Upper end		Lower end		
	Concave	mm	mm	Convex	
31-11140-01		7	9		31-11142-01
31-11140-02		11	13		31-11142-02
31-11140-03		15	18		31-11142-03
31-11140-04		18	22		31-11142-04



Heifetz
20 cm/8"

Width of Spatulas

Upper end		Lower end	
mm		mm	
7	31-11144-08	8	
10	31-11144-11	11	
13	31-11144-14	14	
16	31-11144-17	17	
19	31-11144-20	20	
22	31-11144-25	22	



Heifetz
15.5 cm/6"

Width of Spatulas

31-11148-08	8
31-11148-11	11
31-11148-14	14
31-11148-17	17

Length of Spatulas



18 cm/7"

Width of spatulas

Upper end		Lower end	
mm	mm		
7	9	31-11152-09	
11	13	31-11152-13	
15	18	31-11152-18	
18	22	31-11152-22	



20 cm/8"
12 mm 31-11156-12
17 mm 31-11156-17



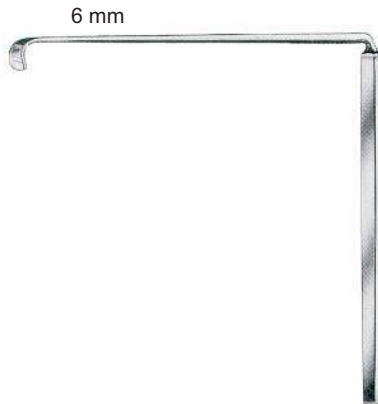
20 cm/8"
14 mm 31-11160-14
17 mm 31-11160-17
20 mm 31-11160-20



31-11164-01
19cm/7½"



Love
31-11164-02
19 cm/7½"



31-11164-03



Love
31-11168-21
21 cm/8¼"

Length of spatulas



70 mm
3 mm 31-11172-03

100 mm
31-11174-03



5 mm 31-11172-05

31-11174-05



7 mm 31-11172-07

31-11174-07



Love



Scoville
23 cm/9"

7 mm 31-11176-07
9 mm 31-11176-09



Holsher
7mm 31-11177-07
9mm 31-11177-09
24 cm/9½"



8 mm 31-11179-08
13 mm 31-11179-13



Taylor
30x 70 mm 31-11180-07 17 cm/6¾"
30x100 mm 31-11180-10 17 cm/6¾"



Oldberg
21 cm/8¼"



31-11182-01



31-11182-02



31-11182-03



31-11182-04



Cushing
31-11184-19 19 cm/7¾"
31-11184-28 28 cm/11"



Smithwick
31-11188-17 17 cm/6½"
31-11188-21 21 cm/8¼"



Cushnig
31-11190-14
14 cm/5½"



Adson
20 cm/8"



31-11192-01



31-11192-02



Cloward
31-11196-16
16 cm/6½"



Hoen
31-11200-22
22 cm/8¾"



Dandy
31-11204-01
20 cm/8"



Dandy
31-11204-02
20 cm/8"



Dandy
31-11204-03
20 cm/8"



Smithwick
31-11208-29
29 cm/11¾"



Scoville
31-11212-30
30 cm/12"



Scoville
31-11214-30
30 cm/12"



Graham
31-11218-16
16.5 cm/6½"



Toennis
31-11222-15
15 cm/6"



Frazier
31-11226-13 13 cm/5"
31-11226-18 18 cm/7"



Toennis
31-11230-13 13 cm/5"
31-11230-18 18 cm/7"






Olivecrona
31-11234-23
23 cm/9"



Olivecrona
31-11236-20
20.5 cm/8"






Ferris-Smith-Kerrison

		Width of Bite	Length of Shaft		
			15 cm/6"	20 cm/8"	18 cm/7"
Cutting Upward		0.6 mm			31-11252-00
		1 mm			31-11252-01
		2 mm			31-11252-02
		3 mm	31-11240-03	31-11246-03	31-11252-03
		4 mm			31-11252-04
		5 mm	31-11240-05	31-11246-05	31-11252-05
Cutting Upward 40°		0.6 mm			31-11254-00
		1 mm			31-11254-01
		2 mm			31-11254-02
		3 mm	31-11242-03	31-11248-03	31-11254-03
		4 mm			31-11254-04
		5 mm	31-11242-05	31-11248-05	31-11254-05
Cutting Downwards		0.6 mm			31-11256-00
		1 mm			31-11256-01
		2 mm			31-11256-02
		3 mm	31-11244-03	31-11250-03	31-11256-03
		4 mm			31-11256-04
		5 mm	31-11244-05	31-11250-05	31-11256-05







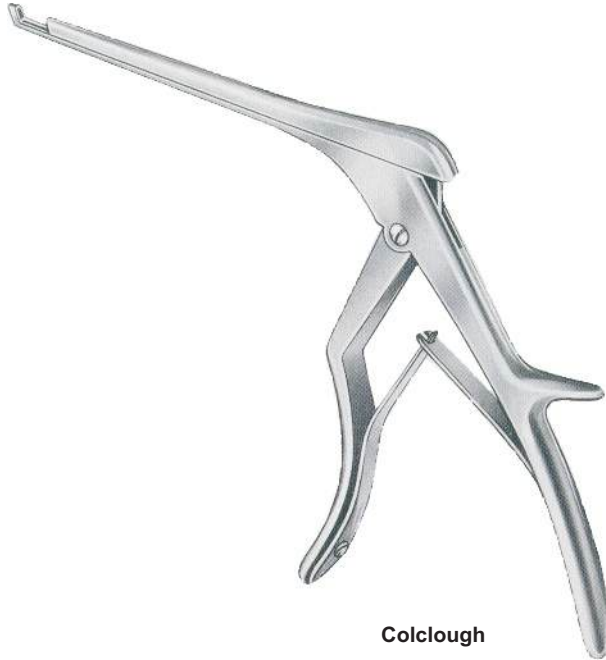
Ferris-Smith-Kerrison

		Width of Bite		Length of Shaft		
		3 mm	5 mm	15 cm/6"	20 cm/8"	18 cm/7"
Cutting Upward		3 mm	5 mm	31-11260-03 31-11260-05	31-11266-03 31-11266-05	31-11272-03 31-11272-05
Cutting Upward 40°		3 mm	5 mm	31-11262-03 31-11262-05	31-11268-03 31-11268-05	
Cutting Downward		3 mm	5 mm	31-11264-03 31-11264-05	31-11270-03 31-11270-05	31-11274-03 31-11274-05






Love-Kerrison

		Width of Bite		Length of Shaft		
		2 mm	3 mm	15 cm/6"	20 cm/8"	18 cm/7"
Cutting Upward		2 mm				31-11286-02
		3 mm	31-11278-03	31-11282-03		31-11286-03
		4 mm	31-11278-04	31-11282-04		31-11286-04
		5 mm	31-11278-05	31-11282-05		31-11286-05
		6 mm				31-11286-06
Cutting Upward 40°		2 mm				31-11288-02
		3 mm				31-11288-03
		4 mm				31-11288-04
		5 mm				31-11288-05
		6 mm				31-11288-06
Cutting Downward		2 mm				31-11290-02
		3 mm	31-11280-03	31-11284-03		31-11290-03
		4 mm	31-11280-04	31-11284-04		31-11290-04
		5 mm	31-11280-05	31-11284-05		31-11290-05
		6 mm				31-11290-06
Cutting Upward 40°		2 mm				31-11292-02
		3 mm				31-11292-03
		4 mm				31-11292-04
		5 mm				31-11292-05
		6 mm				31-11292-06



Colclough

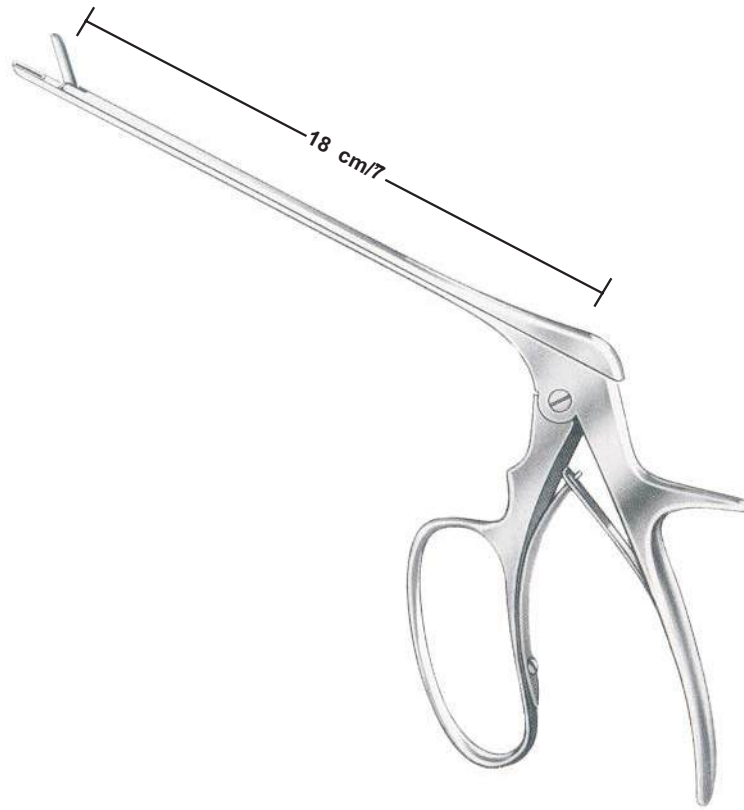
		Width of Bite	Length of Shaft	
			15 cm/6"	20 cm/8"
Cutting Upward		3 mm 5 mm	31-11296-03 31-11296-05	31-11302-03 31-11302-05
Cutting Upward 40°		3 mm 5 mm	31-11298-03 31-11298-05	31-11304-03 31-11304-05
Cutting Downward		3 mm 5 mm	31-11300-03 31-11300-05	31-11306-03 31-11306-05



	Length Of Shaft			
Cushing 2 x 10 cm	5"/13 cm	31-11310-01	31-11310-02	31-11310-03
	6"/15 cm	31-11312-01	31-11312-02	31-11312-03
	7"/18 cm	31-11314-01	31-11314-02	31-11314-03
Love-Grunwald 3 x 10 cm	5"/13 cm	31-11316-01	31-11316-02	31-11316-03
	6"/15 cm	31-11318-01	31-11318-02	31-11318-03
	7"/18 cm	31-11320-01	31-11320-02	31-11320-03
Spurling 4 x 10 cm	5"/13 cm	31-11322-01	31-11322-02	31-11322-03
	6"/15 cm	31-11324-01	31-11324-02	31-11324-03
	7"/18 cm	31-11326-01	31-11326-02	31-11326-03



	Length Of Shaft			
Cushing 2 x 10 cm	5"/13 cm	31-11330-01	31-11330-02	31-11330-03
	6"/15 cm	31-11332-01	31-11332-02	31-11332-03
	7"/18 cm	31-11334-01	31-11334-02	31-11334-03
Love-Grunwald 3 x 10 cm	5"/13 cm	31-11336-01	31-11336-02	31-11336-03
	6"/15 cm	31-11338-01	31-11338-02	31-11338-03
	7"/18 cm	31-11340-01	31-11340-02	31-11340-03
Spurling 4 x 10 cm	5"/13 cm	31-11342-01	31-11342-02	31-11342-03
	6"/15 cm	31-11344-01	31-11344-02	31-11344-03
	7"/18 cm	31-11346-01	31-11346-02	31-11346-03

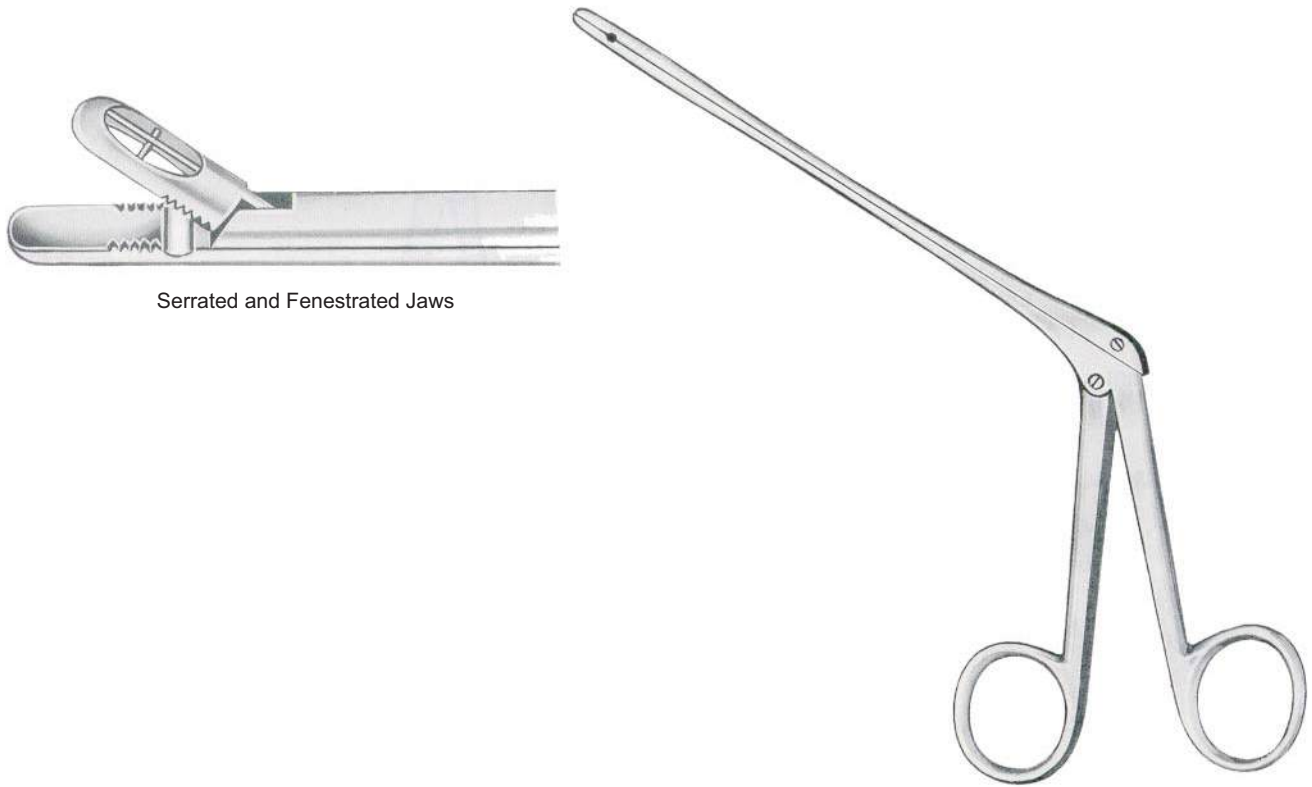


Ferris-Smith

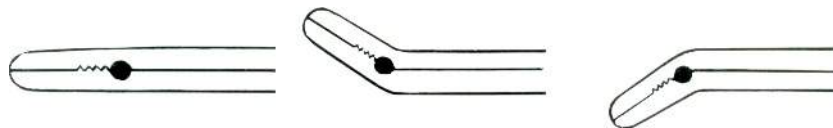
Width Of Jaw



2 x 10 mm	31-11350-01	31-11350-02	31-11350-03
3 x 10 mm	31-11352-01	31-11352-02	31-11352-03
4 x 10 mm	31-11354-01	31-11354-02	31-11354-03

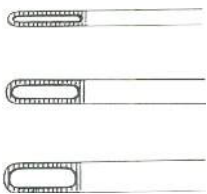


Serrated and Fenestrated Jaws



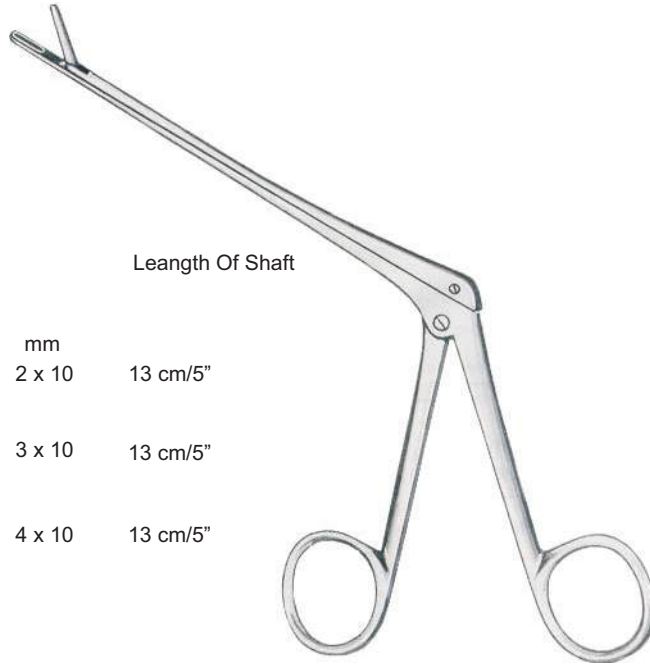
Width Of Jaw	Length Of Shaft			
mm	14 cm/5 1/2"	31-11358-01	31-11358-02	31-11358-03
	16 cm/6 1/4"	31-11360-01	31-11360-02	31-11360-03
2 x 12	14 cm/5 1/2"	31-11362-01	31-11362-02	31-11362-03
	16 cm/6 1/4"	31-11364-01	31-11364-02	31-11364-03
3 x 12	14 cm/5 1/2"	31-11366-01	31-11366-02	31-11366-03
	16 cm/6 1/4"	31-11368-01	31-11368-02	31-11368-03
4 x 14	14 cm/5 1/2"	31-11370-01	31-11370-02	31-11370-03
	16 cm/6 1/4"	31-11372-01	31-11372-02	31-11372-03
5 x 14	14 cm/5 1/2"	31-11374-01	31-11374-02	31-11374-03
	16 cm/6 1/4"	31-11376-01	31-11376-02	31-11376-03
6 x 16	14 cm/5 1/2"			
	16 cm/6 1/4"			

Serrated Jaws



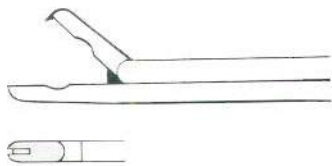
		mm	
31-11378-02	2 x 10	13 cm/5"	
31-11378-03	3 x 10	13 cm/5"	
31-11378-04	4 x 10	13 cm/5"	

Length Of Shaft

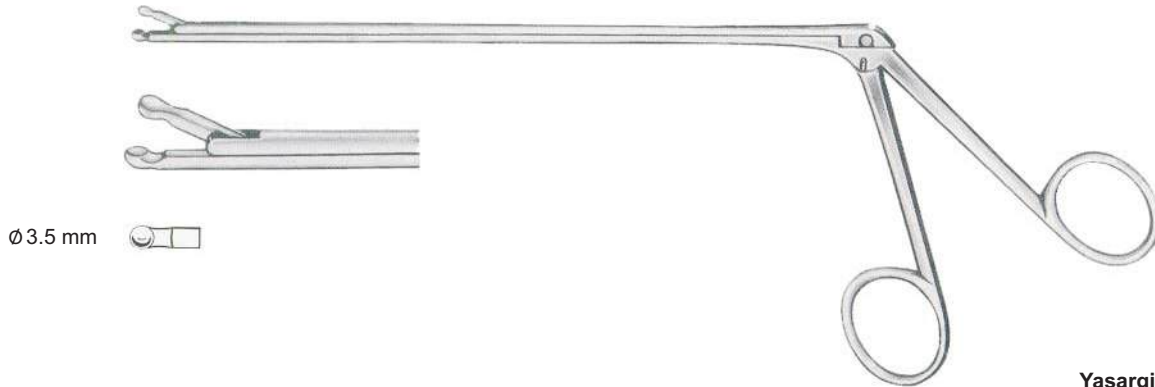


Schlessinger

Grasping Forceps

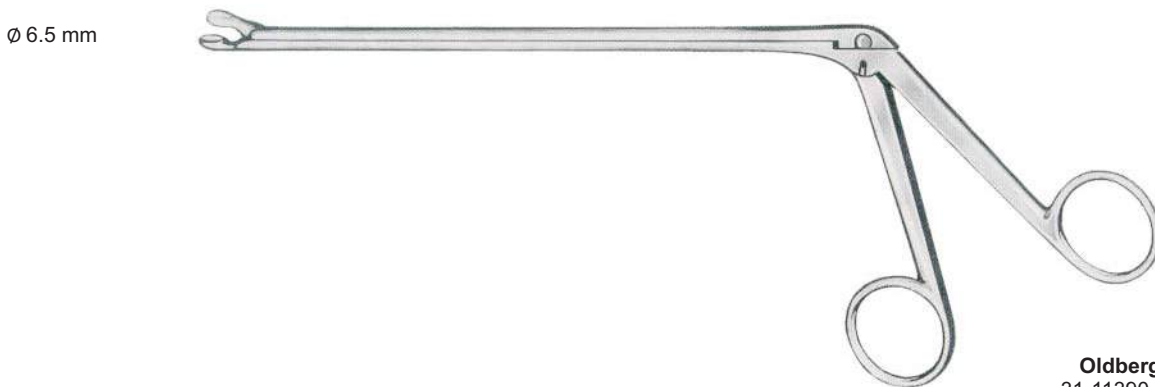


31-11382-16



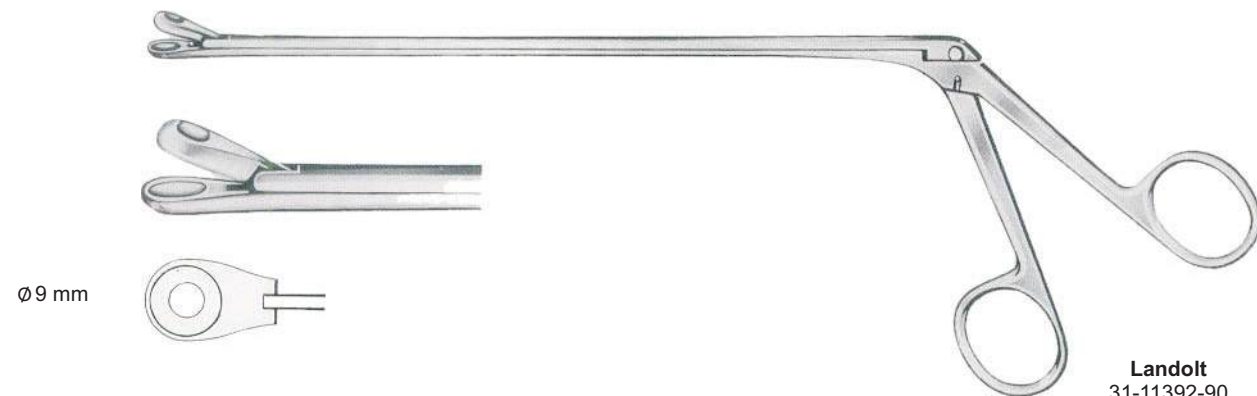
Ø 3.5 mm

Yasargil
31-11386-35
19.5 cm/7³/₄"



Ø 6.5 mm

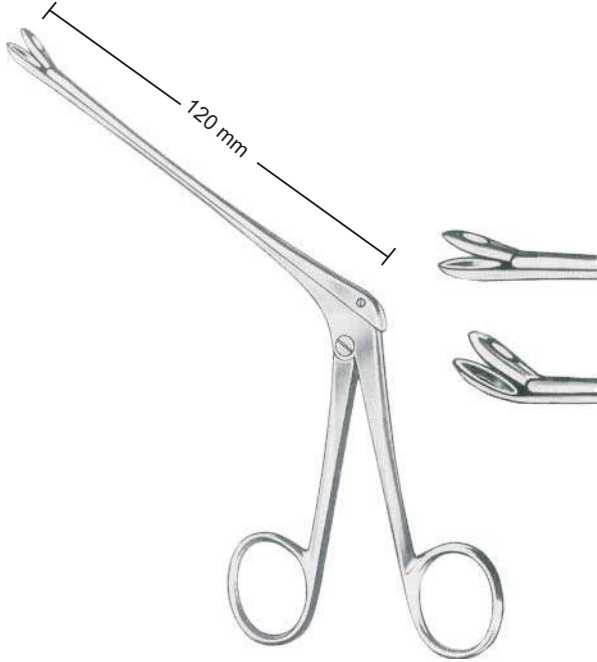
Oldberg
31-11390-65
18 cm/7"



Ø 9 mm

Landolt
31-11392-90
21 cm/8¹/₄"

Tumor Grasping Forceps Blunt



Weil-Blakesley



31-11396-01



31-11396-02



31-11396-03



31-11396-04



31-11396-05



31-11398-01



31-11398-02



31-11398-03



31-11398-04



31-11398-05



31-11402-01



31-11402-02



31-11402-03



31-11402-04



31-11402-05



31-11404-01



31-11404-02



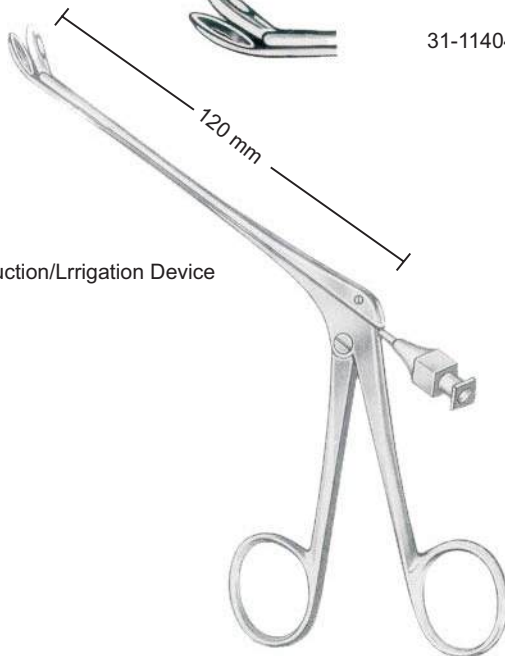
31-11404-03



31-11404-04



31-11404-05



With Suction/Irrigation Device

Weil-Blakesley



31-11408-01
5 x 4 mm



31-11408-02
5 x 4 mm



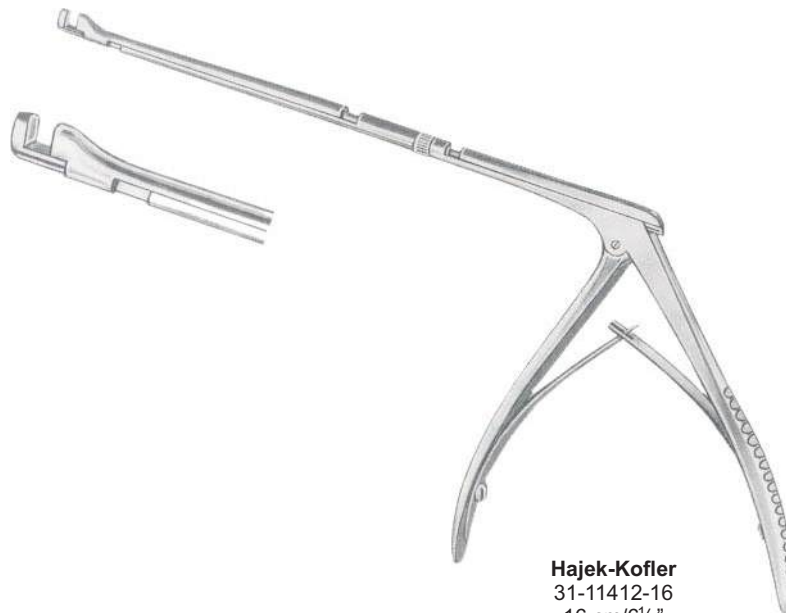
31-11408-03
5 x 3.5 mm



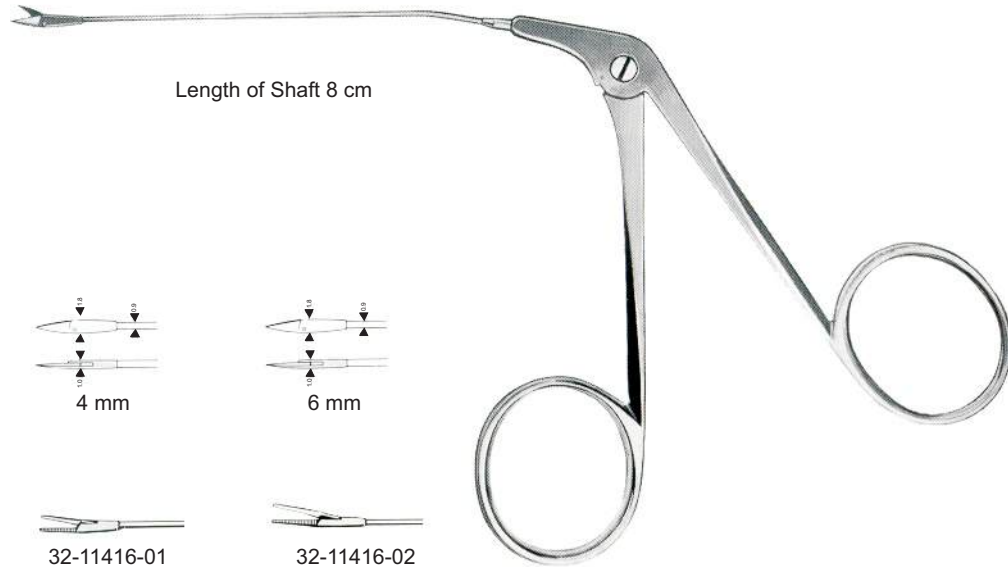
31-11408-04
5 x 3.5 mm

Hajek
(Hajek-Kofler)
14 cm/5½"

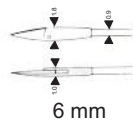
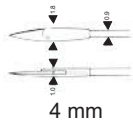
360° Turnable



Hajek-Kofler
31-11412-16
16 cm/6½"



Micro Forceps



Straight



Angled Up



Straight



Oval Cup Jaws



Micro Scissors

Straight



Angled Up

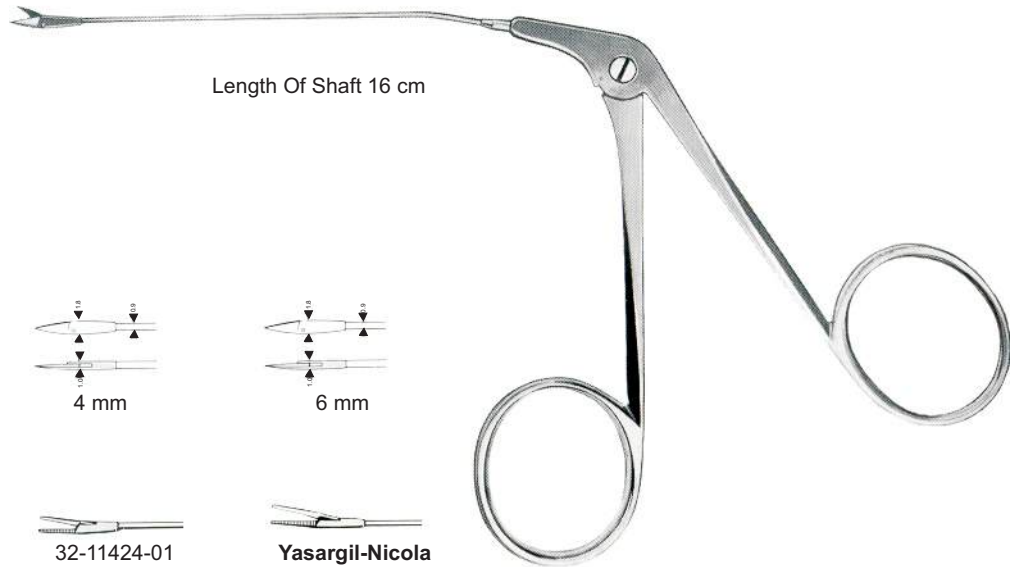


Curved Right

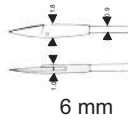
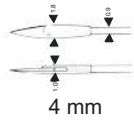


Curved Left





Micro Forceps



Straight

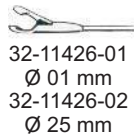


Angled Up



Cup-Shaped Forceps

Straight



Oval Cup Jaws



Micro Forceps

Straight



Angled Up



Curved Right

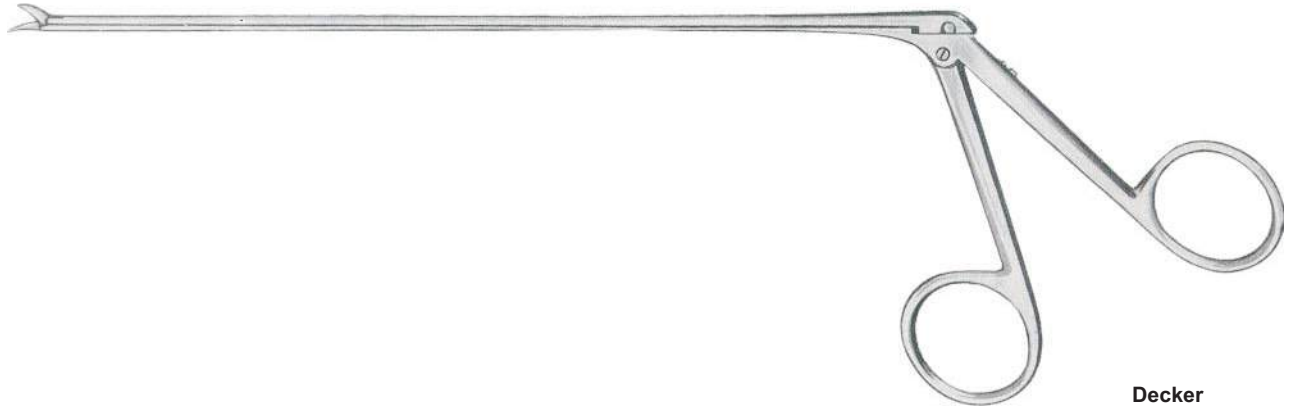


Curved Left



Micro Scissors

Length of Shaft 14 cm



Straight
32-11430-01



Curved Right
32-11430-02



Curved Left
32-11430-03



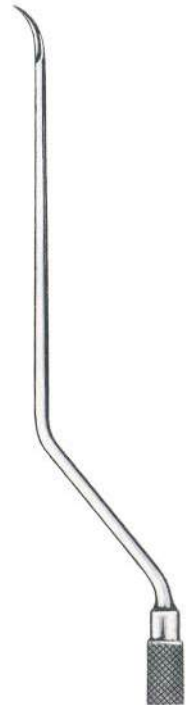
Jacobson
32-11432-00
18.5 cm/7¼"



Koos
32-11432-01
18.5 cm/7¼"



Koos
32-11432-02
18.5 cm/7¼"



Koos
32-11432-03
18.5 cm/7¼"



Koos
32-11432-04
18.5 cm/7¼"



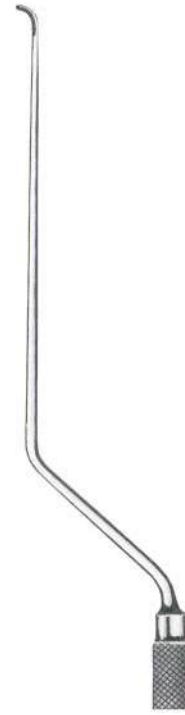
Koos
32-11434-01
18.5 cm/7¼"



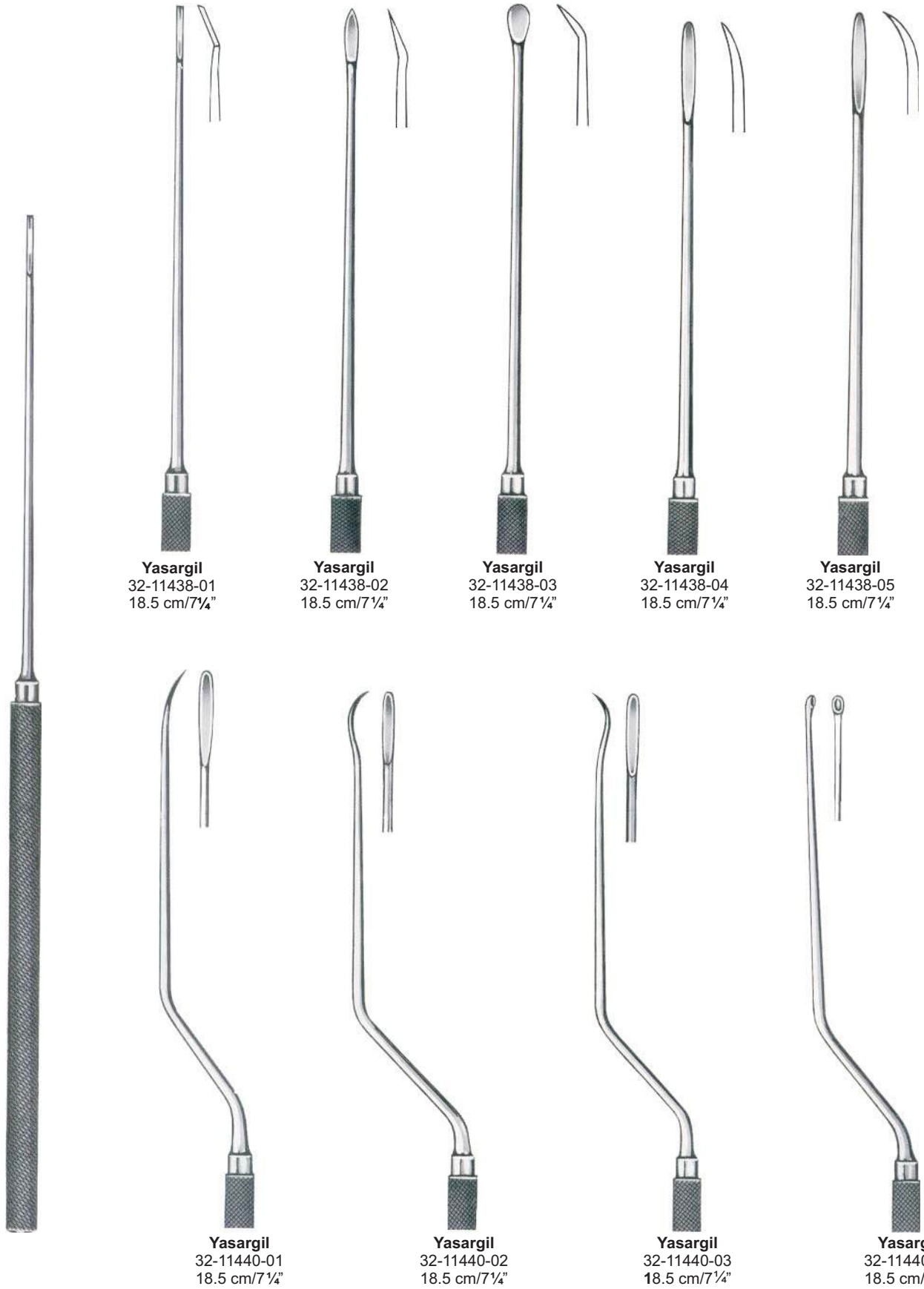
Koos
32-11434-02
18.5 cm/7¼"



Yasargil
32-11434-03
18.5 cm/7¼"



Yasargil
32-11434-04
18.5 cm/7¼"



Yasargil
32-11438-01
18.5 cm/7 1/4"

Yasargil
32-11438-02
18.5 cm/7 1/4"

Yasargil
32-11438-03
18.5 cm/7 1/4"

Yasargil
32-11438-04
18.5 cm/7 1/4"

Yasargil
32-11438-05
18.5 cm/7 1/4"

Yasargil
32-11440-01
18.5 cm/7 1/4"

Yasargil
32-11440-02
18.5 cm/7 1/4"

Yasargil
32-11440-03
18.5 cm/7 1/4"

Yasargil
32-11440-04
18.5 cm/7 1/4"



32-11444-01
18.5 cm/7¼"



32-11444-02
18.5 cm/7¼"



krayenbuhl
32-11448-01
18.5 cm/7¼"



32-11448-02



32-11448-03



32-11448-04



Yasargil
32-11450-01
18.5 cm/7¼"



Yasargil
32-11450-02
18.5 cm/7¼"



Yasargil
32-11450-03
18.5 cm/7¼"



Yasargil
32-11450-04
18.5 cm/7¼"



Tissue Pick
32-11454-11
11 cm/4 1/8"

Tissue Pick
32-11456-10 1.0 mm
32-11456-18 1.8 mm
18.5 cm/7 1/4"

Vessel Dilator
32-11460-05 0.5 mm
32-11460-10 1.0 mm
32-11460-15 1.5 mm
12.5 cm/5"

Jacobson
Probe
32-11464-01
18.5 cm/7 1/4"

Vessel Probe
32-11464-02

Suture Pusher
32-11464-03



Rhoton
19 cm/7½"



Dissector Round
32-11470-01
Ø 1 mm



Dissector Round
32-11470-02
Ø 2 mm



Dissector Round
32-11470-03
Ø 3 mm



Dissector Spatula Shaped
32-11470-04
Ø 1 mm



Dissector Spatula Shaped
32-11470-05
Ø 1.5 mm



Dissector Spatula Shaped
32-11470-06
Ø 2.0 mm



Elevator
32-11470-07
Ø 1.2 mm



Elevator
32-11470-08
Ø 2.8 mm



Needle Semi-Sharp
32-11470-09



Hook Blunt
32-11470-10
90° 2 mm



Hook Semi-Sharp
32-11470-11
90° 2 mm



Hook Semi-Sharp
32-11470-12
45° 3 mm



Probe Angled
32-11470-13
90°



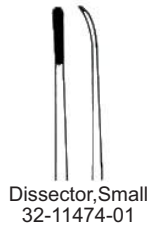
Probe Angled
32-11470-14
1.0 x 2.0 mm



Probe Angled
32-11470-15
1.0 x 2.0 mm
45°



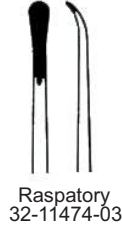
Jannetta
19 cm/7½"



Dissector, Small
32-11474-01



Dissector, large
32-11474-02



Raspatory
32-11474-03



Hook, Small
32-11474-04
90°



Hook Medium
32-1474-05
90°



Hook large
32-1474-06
90°



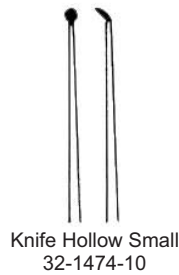
Hook Angular
32-1474-07
45°



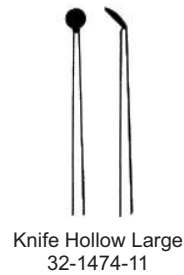
Hook Medium
32-1474-08
45°



Elevator Angula
32-1474-09



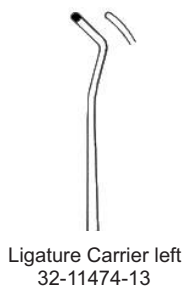
Knife Hollow Small
32-1474-10



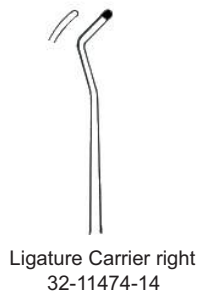
Knife Hollow Large
32-1474-11



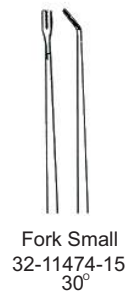
Probe ball-tipped
32-1474-12



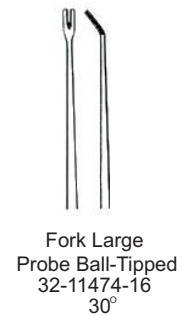
Ligature Carrier left
32-11474-13



Ligature Carrier right
32-11474-14



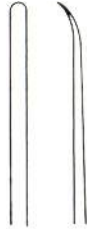
Fork Small
32-11474-15
30°



Fork Large
Probe Ball-Tipped
32-11474-16
30°



19 cm/7½"



Micro Dissectors
32-11478-01
2 mm



32-11478-02
5mm



32-11478-03
8mm

Nerve Hooks



32-11478-04
3mm



32-11478-05
5mm

Micro Ligature Needle



Samil
20 cm/8"
23 cm/9"



32-11482-01
32-11484-01
1.0 x 5.0 mm



20 cm/8"
23 cm/9"



32-11482-02
32-11484-02
1.5 x 5.0 mm



32-11482-03
32-11484-03
2.0 x 5.5 mm



20 cm/8"
23 cm/9"



32-11482-04
32-11484-04
2.5 x 6.0 mm



32-11482-05
32-11484-05
3.0 x 7.0 mm



20 cm/8"
23 cm/9"



32-11482-06
32-11484-06
3.5 x 7.0 mm



32-11482-07
32-11484-07
4.0 x 7.5 mm



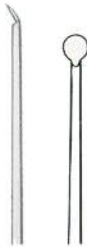
20 cm/8"
23 cm/9"



32-11482-08
32-11484-08
5.0 x 8.0 mm

Working Length
12.5 cm/5"

Angled up 32-11488-01
Curved down 32-11488-02
Curved right 32-11488-03
Curved left 32-11488-04



Curved upwards
32-11488-05



Angled up
32-11488-06
1.0 x 1.0 mm



Angled up
32-11488-07
2.5 x 5 mm



Curved up
32-11488-08
1.0 x 4 mm




Curved up
32-11488-09
1.5 x 5 mm



Straight
32-11488-10
0.4 mm



Curved up
32-11488-11
2.0 x 6 mm



Angled Up 32-11488-12
3 x 5 mm
Angled To Right 32-11488-13
3 x 5 mm
Angled To Left 32-11488-14
3 x 5 mm

24 cm/9 1/2"

12.5 cm/5"



24 cm/9½"



Blunt
32-11492-01
32-11494-01
32-11496-01
90° 2 mm



Blunt
32-11492-02
32-11494-02
32-11496-02
90° 2.5 mm



Semi-Sharp
32-11492-03
32-11494-03
32-11496-03
90° 2 mm



Blunt
32-11492-04
32-11494-04
32-11496-04
90° 3 mm



Ball Pointed
32-11492-05
32-11494-05
32-11496-05
90° 3 mm



Blunt
32-11492-06
32-11494-06
32-11496-06
30° 3 mm

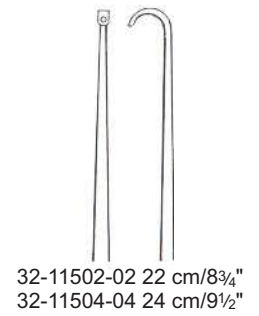
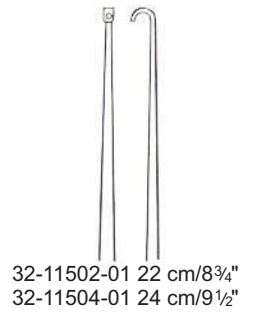
Working Length
12.5 cm/5"



24 cm/9½"



22 cm/8¾"
24 cm/9½"





Hardy
24 cm/9½"

Sickle Dissectors



- Angled Up 32-11508-01
- Curved Down 32-11508-02
- Curved Right 32-11508-03
- Curved Left 32-11508-04



Implant Fork
32-11508-07

Hardy



- Angled Up 32-11508-08
- Curved Down 32-11508-09
- Curved Right 32-11508-10
- Curved Left 32-11508-11

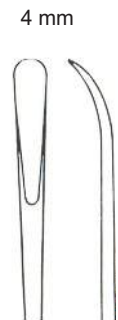
2 mm



Hardy-Fahlbusch
32-11508-05



Hardy-Fahlbusch
32-11508-06



- Angled Up 32-11508-12
- Curved Down 32-11508-13

4 mm



24 cm/9½"

Spatula Dissectors



Straight
32-11512-03
5 x 20 mm

Curved Up Flexible
32-11512-01
8 x 100 mm

Curved Down Flexible
32-11512-02
8 x 100 mm



32-11512-06
32-11512-07
2 mm

Dissectors Angled



Sharp Angled Up
32-11512-04
5 mm
Sharp Angled Down
32-11512-05

Raspatories









Curved Up
Curved Down

32-11512-08
32-11512-09
4 mm



24 cm/9½"

Right	Up Down Right Left				
		32-11516-01 32-11518-01 32-11520-01 32-11522-01 Ø 2.5 mm 90°	32-11516-02 32-11518-02 32-11520-02 32-11522-02 Ø 4.0 mm 90°	32-11516-03 32-11518-03 32-11520-03 32-11522-03 Ø 5.0 mm 90°	
	Down	Up Down Right Left			
			32-11516-04 32-11518-04 32-11520-04 32-11522-04 25 mm 45°	32-11516-05 32-11518-05 32-11520-05 32-11522-05 40 mm 45°	32-11516-06 32-11518-06 32-11520-06 32-11522-06 5 mm 45°



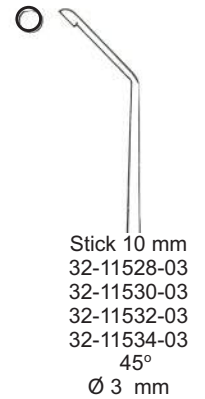
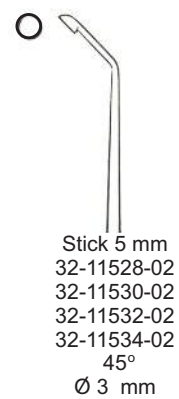
24 cm/9½"

Malleable



With Stick

Up
Down
Right
Left

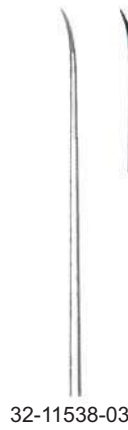




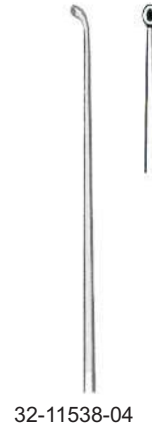
Sharp
32-11538-01
24 cm/9½"



32-11538-02



32-11538-03



32-11538-04



32-11538-05



32-11538-06
2.5 mm



32-11538-07
3 mm



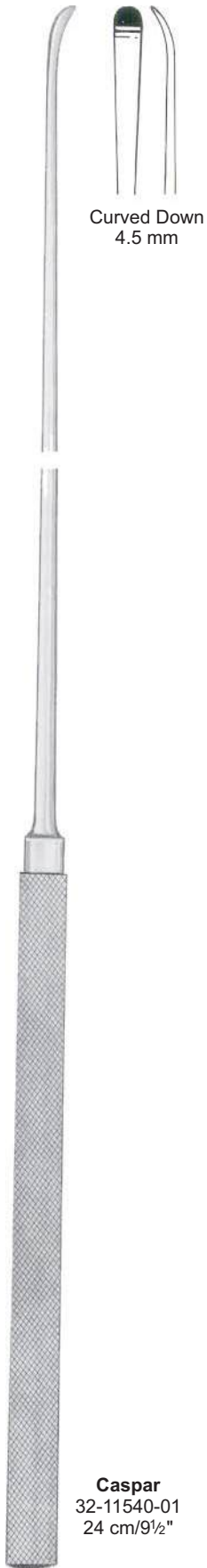
32-11538-08
3 mm

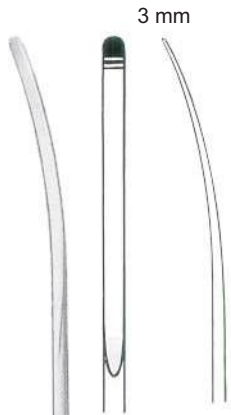


32-11538-09
5 mm



32-11538-10
8 mm





32-11542-01
19 cm/7½"



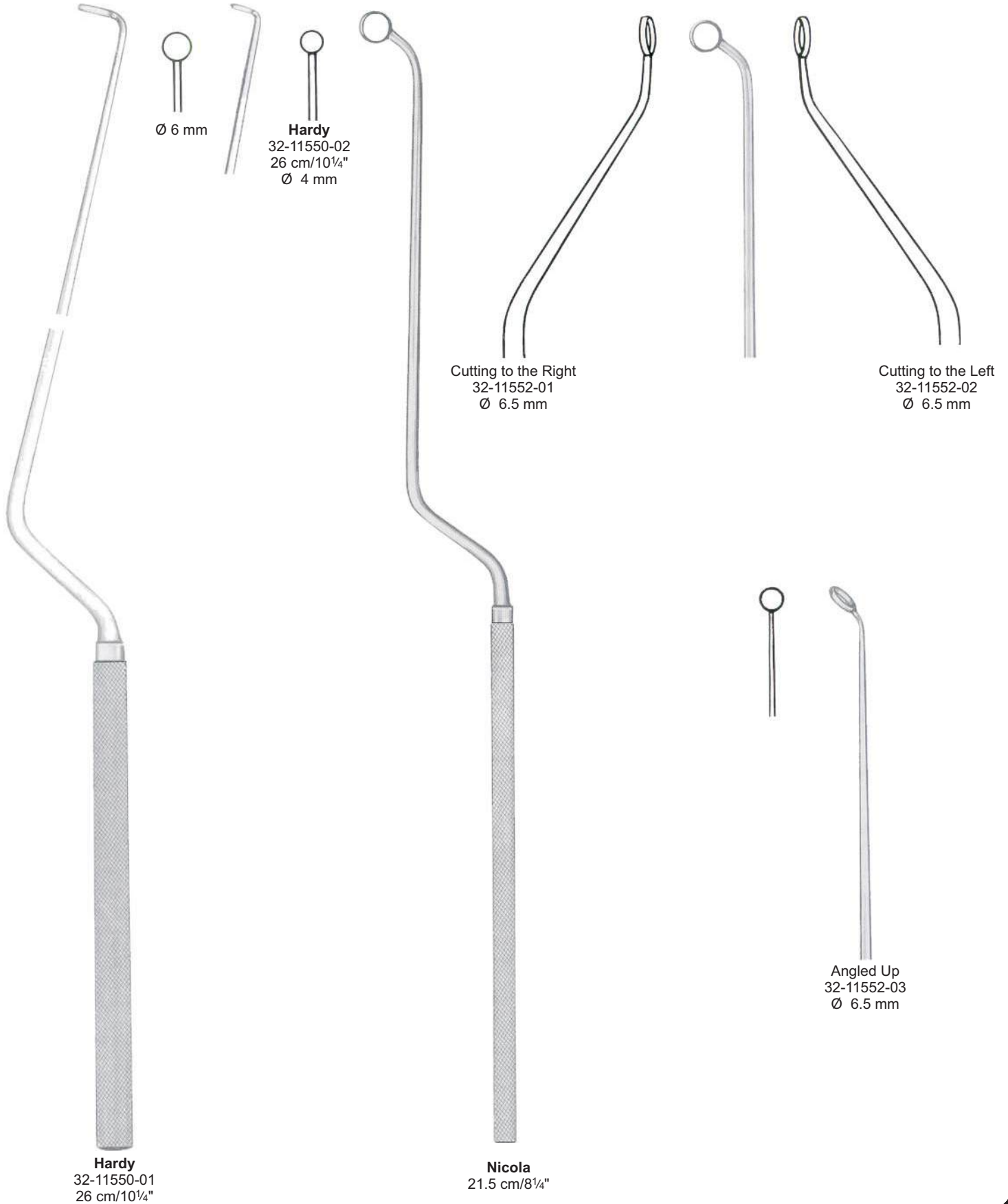
32-11542-02
21.5 cm/8½"

Curette



Ray
19 cm/7½"







Enucleators Blunt Malleable



26 cm/10 3/4"



Landolt-Reulen
Dissector rigid
32-11562-01
2mm



Landolt-Reulen
Blunt Hook rigid
32-11562-02
1.7mm



Fahlbusch
Curette malleable
32-11562-03
2.5 mm Ø



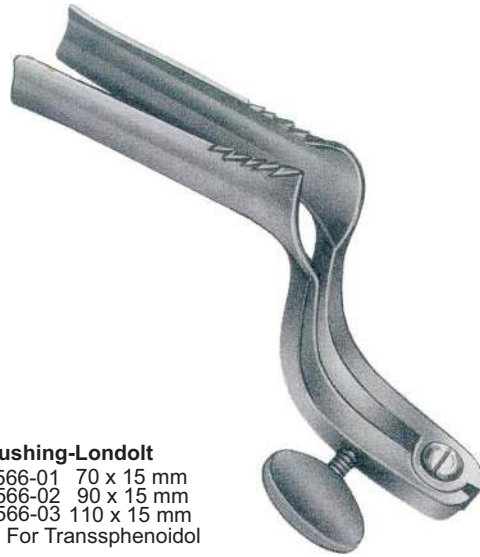
Landolt-Reulen
Curette rigid
32-11562-04
2.5 mm Ø



Fahlbusch
Scoop malleable
32-11562-05



Landolt-Reulen
Raspatory rigid
32-11562-06
2.2 mm
3.2 mm



Cushing-Londolt
32-11566-01 70 x 15 mm
32-11566-02 90 x 15 mm
32-11566-03 110 x 15 mm
Specula For Transssphenoidol

Mirrors



32-11570-06
6 mm



32-11570-08
8 mm



32-11570-10
10 mm



32-11570-12
12mm



Mirror handle
32-11570-00

Ø=Inside Dia



Troltsch
For Babies

Fig. 1 33-11574-01 1.5 mm Ø
Fig. 2 33-11574-02 2.5 mm Ø
Fig. 3 33-11574-03 3.5 mm Ø

33-11574-30
Set of 3
Fig 1-3



Troltsch
For Adults

Fig. 4 33-11574-04 4.0 mm Ø
Fig. 5 33-11574-05 5.0 mm Ø
Fig. 6 33-11574-06 6.0 mm Ø
Fig. 7 33-11574-07 7.0 mm Ø

33-11574-30 33-11574-40
Set of 3 Set of 4
Fig 4-6 Fig 4-7



Poltzer

Fig. 1 33-11578-01 2.0 mm Ø
Fig. 2 33-11578-02 3.0 mm Ø
Fig. 3 33-11578-03 4.0 mm Ø

33-12278-30
Set of 3
Fig 1-3



Erhard
For Adults

Fig. 1 33-11582-01 3.0 mm Ø
Fig. 2 33-11582-02 4.0 mm Ø
Fig. 3 33-11582-03 5.0 mm Ø
Fig. 4 33-11582-04 6.0 mm Ø

33-11582-30 33-11582-40
Set of 3 Set of 4
Fig.1-3 Fig.1-4



Hartmann
For Babies

Fig. 1 33-11586-01 2.0 mm Ø



Hartmann
For Children

Fig. 2 33-11586-02 3.0 mm Ø
Fig. 3 33-11586-03 4.0 mm Ø
Fig. 4 33-11586-04 5.5 mm Ø

33-11586-30
Set of 3
Fig.2-4



Hartmann
For Adults

Fig. 3 33-11590-03 4.0 mm Ø
Fig. 4 33-11590-04 5.5 mm Ø
Fig. 5 33-11590-05 6.5 mm Ø
Fig. 6 33-11590-06 7.5 mm Ø

33-11590-30 33-11590-40
Set of 3 Set of 4
Fig.4-6 Fig.3-6



Toynbee
For Adults

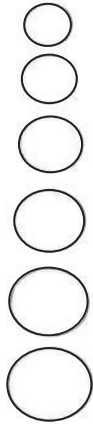
Fig. 1 33-11594-01 4.5 mm Ø
Fig. 2 33-11594-02 5.5 mm Ø
Fig. 3 33-11594-03 6.5 mm Ø
Fig. 4 33-11594-04 7.5 mm Ø

33-11594-30 33-11594-40
Set of 3 Set of 4
Fig.2-4 Fig.1-4

Alu Black



33-11598-60
Set of 6
Fig. 1-6



Ø=Inside Dia

- Fig. 1 33-11598-01
4.5 x 5.5 mm Ø
- Fig. 2 33-11598-02
5.5 x 6.5 mm Ø
- Fig. 3 33-11598-03
6.5 x 7.5 mm Ø
- Fig. 4 33-11598-04
7.5 x 8.5 mm Ø
- Fig. 5 33-11598-05
8.5 x 9.5 mm Ø
- Fig. 6 33-11598-06
9.5 x 10.5 mm Ø



Gruber

- 33-11602-30 Set of 3 Fig. 2-4
- 33-11602-40 Set of 4 Fig. 1-4
- 33-11604-40 Set of 3 Fig. 2-4
- 33-11604-40 Set of 4 Fig. 1-4

- Fig. 1 33-11602-01
2.8 x 3.8 mm Ø
- Fig. 2 33-11602-02
3.8 x 4.8 mm Ø
- Fig. 3 33-11602-03
5.0 x 6.2 mm Ø
- Fig. 4 33-11602-04
6.0 x 7.2 mm Ø
- Fig. 1 33-11604-01
4.5 mm Ø
- Fig. 2 33-11604-02
5.0 mm Ø
- Fig. 3 33-11604-03
5.5 mm Ø
- Fig. 4 33-11604-04
6.0 mm Ø

Black



Hartmann
33-11608-40
Set of 4
Fig. 1-4

- Fig. 1 33-11608-01
3.0 mm Ø
- Fig. 2 33-11608-02
4.0 mm Ø
- Fig. 3 33-11608-03
5.0 mm Ø
- Fig. 4 33-11608-04
7.0 mm Ø

Black



Hartmann
33-11608-20
Set of 2
Fig. 5-6

- Fig. 5 33-11608-05
9.0 mm Ø
- Fig. 6 33-11608-06
11.0 mm Ø



Boucheron
33-11612-40
Set of 4
Fig. 3-6

- 33-11612-03 3.5 mm Ø
- 33-11612-04 4.5 mm Ø
- 33-11612-05 5.5 mm Ø
- 33-11612-06 6.5 mm Ø



33-11618-01



33-11618-02



33-11618-03

- Fig. 1 33-11618-01 4.2 x 3.8 mm
- Fig. 2 33-11618-02 5.5 x 3.8 mm
- Fig. 3 33-11618-03 6.5 x 3.8 mm
- 33-11618-30
Set of 3
Fig. 1-3



33-11620-01



33-11620-02



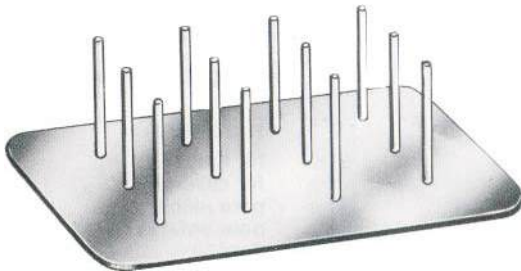
33-11620-03

Fig. 1 33-11620-01 4.2 mm
 Fig. 2 33-11620-02 5.5 mm
 Fig. 3 33-11620-03 6.5 mm
 33-11620-30
 Set of 3
 Fig. 1-3



Richnau-Holmgren
 33-11628-02 2.0 mm Ø
 33-11628-04 4.0 mm Ø
 33-11628-06 6.0 mm Ø

Metal supports for specula



For 12 Specula
 33-11624-00



Siegle



6.5 mm 7 mm 8 mm

Otoscope with 3 ear specula and rubber tube with bulb
 33-11632-00

Tuning Forks



Hartmann



Lucae



**French
Hartmann**



**Lucae
C 128**



**Hartmann
C 128**

Variable up to h (Engl. B)

33-11648-00

33-11652-00

C ₂	16			33-11644-16
C ₂	32			33-11644-32
C	64			33-11645-01
C	128	33-11636-00	33-11640-00	33-11645-02
C ₁	256	33-11636-01	33-11640-01	33-11645-03
C ₂	512	33-11636-02	33-11640-02	
C ₃	1024	33-11636-03	33-11640-03	
C ₄	2048	33-11636-04	33-11640-04	
C ₅	4096	33-11636-05	33-11640-05	



Rydel-Seiffer
33-11656-00
C 64/C 128

With Clamps = C 64
Without Clamps = C 128



Tuning Fork for neurological examination, with percussion hammer, pin wheel, brush and needle

33-11660-00



33-11664-01
C 64



33-11664-02
C 128



33-11664-03
C 256



33-11664-04
C 512



33-11664-05
C 1024



33-11664-06
C 2048



33-11664-07
C 4096



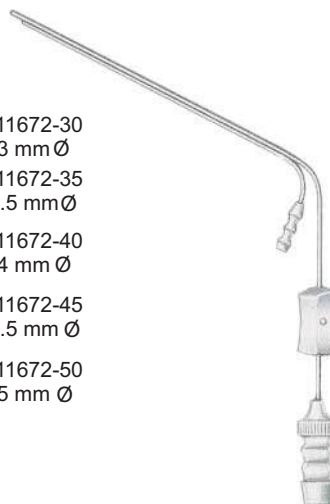
Hartmann

- 33-11668-20
2.0 mm Ø
- 33-11668-25
2.5 mm Ø
- 33-11668-30
3.0 mm Ø
- 33-11668-40
4.0 mm Ø
- 33-11668-50
5.0 mm Ø



Itard

- 33-11672-30
3 mm Ø
- 33-11672-35
3.5 mm Ø
- 33-11672-40
4 mm Ø
- 33-11672-45
4.5 mm Ø
- 33-11672-50
5 mm Ø



House
33-11676-09 0.9 mm Ø
33-11676-12 1.2 mm Ø
33-11676-15 1.5 mm Ø



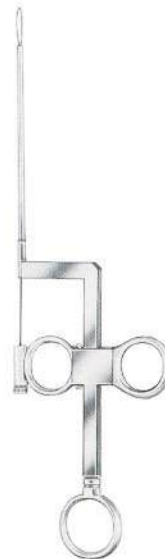
Baron (Schuknecht)
33-11680-01 1.0 x 75 mm Ø
33-11680-02 1.5 x 75 mm Ø
33-11680-03 2.0 x 75 mm Ø



Krause
33-11684-16
16 cm/6¼"



Krause-Voss
33-11688-16
16 cm/6¼"



Lange-Wilde
33-11692-16
16 cm/6¼"



Package of 1 dozen each

	mm Ø
33-11700-02	0.2
33-11700-03	0.3

Ear Dressing Forceps



**Troeltsch
(Wilde)**



Troeltsch



Lucae



Lucae



Jansen

Cm	In				
11.0	4¼"	33-11704-11			
12.0	4¾"	33-11704-12	33-11706-12		33-11712-14
14.0	5½"	33-11704-14		33-11710-14	
15.0	6"	33-11704-15			
16.0	6¼"				33-11716-16
18.0	7"				33-11716-18
20.0	8"				33-11716-20



Okonogto
33-11720-16
16 cm/6¼"



Littauer
33-11724-12
12 cm/4¾"



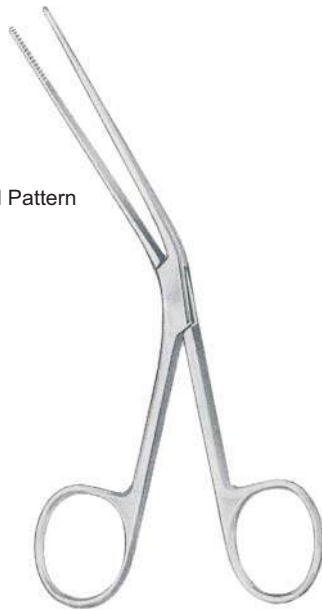
Fine Pattern

Hartmann
33-11726-12
12 cm/4¾"



Hartmann
33-11728-14
14 cm/5½"

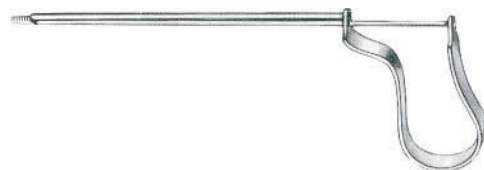
Standard Pattern



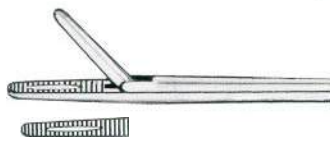
Tilley
33-11732-14
33-11732-16
14 cm/5½"



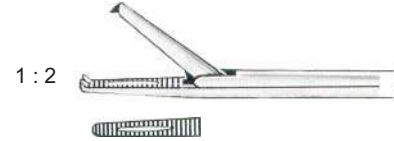
Buck
33-11736-09
9 cm/3½"



Quire
33-11740-08
8 cm/3¼"



Hartmann-Noyes
33-11744-09
8.5 cm/3¼"



1 : 2

Hartmann-Noyes
33-11746-09
8.5 cm/3¼"



Hartmann
33-11750-09 8.5 cm/3¼"
33-11750-14 14 cm/5½"
33-11750-16 16 cm/6¼"



1 : 2

Hartmann
33-11752-09 8.5 cm/3¼"
33-11752-14 14.0 cm/5½"



Hartmann
33-11756-20 8.5 cm/3¼" ○ 2.0 mm
33-11756-25 8.5 cm/3¼" ○ 2.5 mm
33-11756-30 8.5 cm/3¼" ○ 3.0 mm



Hartmann-Citelli
33-11760-02 ○ 2 mm 8.5 cm/3¼"
33-11760-03 ○ 3 mm 8.5 cm/3¼"



Strumpel
33-11762-09
8.5 cm/3¼"



Hartamm-Weingartner
33-11766-09
8.5 cm/3¼"



Hartamm
33-11770-09
8.5 cm/3¼"
















Hartamm-Wullstein
33-11774-06 8.5 cm/3¼" 08 x 6 mm
33-11774-08 8.5 cm/3¼" 1.8 x 8 mm



Hartamm-Wullstein
33-11778-01 ○ 1 mm 8.5 cm/3¼"
33-11778-02 ○ 2 mm 8.5 cm/3¼"



Length of Shaft 8 cm

	Micro Forceps	Mini	Cup-Shaped Forceps
	1.6 x 7.0 mm  33-11782-01	0.7 x 3.5 mm  33-11782-08	0.9 x 1.1 mm  33-11782-11
	 33-11782-02 0.8 x 4.0 mm		
Smooth Jaw	 33-11782-03 0.8 x 6.0 mm		
Curved Left	 33-11782-04 0.8 x 6.0 mm		 33-11782-12 0.9 x 1.1 mm
Curved Right	 33-11782-05 0.8 x 4.0 mm		 33-11782-13 0.9 x 1.1 mm
Angled Up	 33-11782-06 0.8 x 4.0 mm		 33-11782-14 0.9 x 1.1 mm
Angled Down	 33-11782-07 0.8 x 4.0 mm		 33-11782-15 0.9 x 1.1 mm

Micro Forceps



Greven
33-11782-16
0.8 x 5.0 mm



Cos
33-11782-18
0.8 x 3.0 mm

Left Angled



Juers
33-11782-19
0.8 x 6.0 mm



Hough
33-11782-21
0.8 x 3.0 mm

Right Angled



Juers
33-11782-20
0.8 x 6.0 mm



Hough
33-11782-22
0.8 x 3.0 mm



Fuller
33-11782-23
0.8 x 6.0 mm



Tabb
33-11782-24

Upward Cutting



Dieter
33-11782-30

Downward Cutting



Dieter
33-11782-31

Cutting to the Right



Dieter
33-11782-32

Cutting to the left



Dieter
33-11782-33

Micro Scissors



Bellucci
33-11786-01
4.0 mm



Bellucci
33-11786-02
5.5 mm

Angled Up



Bellucci
33-11786-03
5.5 mm

Curved Left



Bellucci
33-11786-04
5.5 mm

Curved Right



Bellucci
33-11786-05
5.5 mm



Shea
33-11786-06
7.0 mm

Curved Left



Shea
33-11786-07
7.0 mm

Curved Right



Shea
33-11786-08
7.0 mm

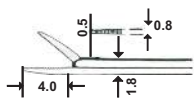


Length of Shaft 8 cm

Micro Forceps

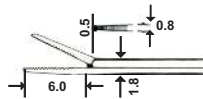
0.5 mm

Smooth Jaw

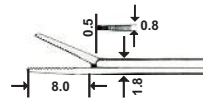


Straight

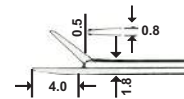
33-11790-01



33-11790-02



33-11790-03



33-11790-04

Curved Right
Curved Left
Angled Up
Angled Down

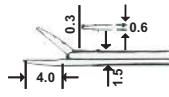
33-11794-01
33-11794-02
33-11794-03
33-11794-04

Micro Forceps

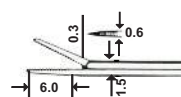
0.3 mm

Smooth Jaw

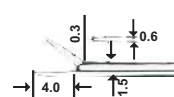
Straight



33-11800-01



33-11800-02



33-11800-03

Length of Shaft 8 cm

Cup-Shaped Forceps

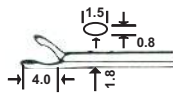


Micro Scissors

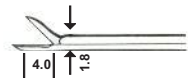


Bellucci
0.8 mm

1.5 x 0.8 mm

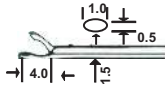


- | | |
|--------------|-------------|
| Straight | 33-11804-01 |
| Curved Right | 33-11804-02 |
| Curved Left | 33-11804-03 |
| Angled Up | 33-11804-04 |
| Angled Down | 33-11804-05 |



- | |
|-------------|
| 33-11806-01 |
| 33-11806-02 |
| 33-11806-03 |
| 33-11806-04 |
| 33-11806-05 |

1.0 x 0.5 mm



- | | |
|----------|-------------|
| Straight | 33-11804-06 |
|----------|-------------|

Length of Shaft 8 cm



Crura Forceps



Open to Right

Fisch
33-11810-01



Open to Left

Fisch
33-11810-02

Length of Shaft 8 cm



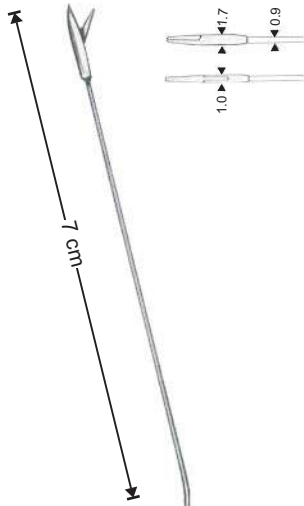
Wire Closure Forceps



Mc Gee
33-11814-01



Mc Gee/Fisch
33-11814-02



Micro Scissors



Micro Forceps



Cup-Shaped Forceps

Messer



Schuknecht
33-11826-01

Schuknecht
33-11826-02

Schuknecht
33-11828-01

Knives



Wullstein
33-11830-01



Tabb
33-11832-01



Plester
33-11834-01



Plester
33-11834-02

33-11834-03



Rosen

33-11838-20
2.0 mm



33-11838-10
1.0 mm



33-11838-14
1.4 mm



33-11838-16
1.6 mm



33-11838-26
2.6 mm



33-11838-28
2.8 mm



33-11838-30
3.0 mm

Needles And Hooks



Barbara
33-11842-01



33-11842-02



33-11842-03



Rosen
33-11842-04



Barbara



25°
33-11844-03 0.3 mm
33-11844-06 0.6 mm
33-11844-10 1.0 mm



45°
33-11846-03 0.3 mm
33-11846-06 0.6 mm
33-11846-10 1.0 mm
33-11846-12 1.2 mm
33-11846-15 1.5 mm
33-11846-20 2.0 mm
33-11846-25 2.5 mm



90°
33-11848-03 0.3 mm
33-11848-06 0.6 mm
33-11848-10 1.0 mm
33-11848-12 1.2 mm
33-11848-15 1.5 mm
33-11848-20 2.0 mm
33-11848-25 2.5 mm



33-11850-05 0.5 mm
33-11850-10 1.0 mm

Needles And Hooks



90°
33-11852-03 0.3 mm
33-11852-06 0.6 mm
33-11852-10 1.0 mm

90°
33-11854-03 0.3 mm
33-11854-06 0.6 mm
33-11854-10 1.0 mm

McGee
33-11856-05 0.5 mm
33-11856-10 1.0 mm

McGee
33-11858-05 0.5 mm
33-11858-10 1.0 mm

Barbara
33-11860-01

Rosen
33-11860-02



25°
33-11862-03 0.3 mm
33-11862-06 0.6 mm
33-11862-10 1.0 mm

25°
33-11864-03 0.3 mm
33-11864-06 0.6 mm
33-11864-10 1.0 mm

45°
33-11868-03 0.3 mm
33-11868-06 0.6 mm
33-11868-10 1.0 mm

45°
33-11870-03 0.3 mm
33-11870-06 0.6 mm
33-11870-10 1.0 mm

Dissectors, Measuring Road, Elevators, Curettes and Mobilizer



Fisch



33-11874-01



33-11874-02



33-11874-03



33-11874-04



Rosen

33-11878-15 33-11878-25
1.5 mm 2.5 mm



Rosen



33-11880-01



33-11880-02



33-11880-03



33-11880-04



33-11880-05



33-11880-06



House



33-11882-01
3.5 mm



33-11882-02
4.0 mm



33-11882-03
4.5 mm



33-11882-04
5.0 mm



Buckingham



33-11886-01



33-11886-02



33-11886-03



House

33-11890-10 1.0/1.2 mm
33-11890-15 1.5/1.8 mm



House

33-11892-10 1.0/1.2 mm
33-11892-15 1.5/1.8 mm



Shea

33-11896-15 1.5 mm

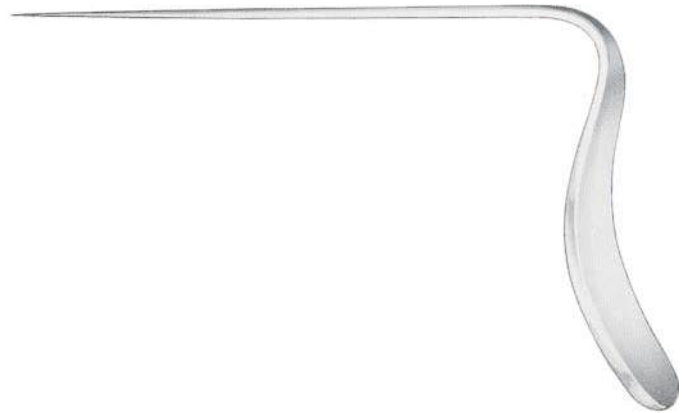




33-11900-01

33-11900-02

33-11900-03



Zollner



33-11900-04

33-11900-05

33-11900-06

33-11900-07

33-11900-08

33-11900-09

33-11900-10

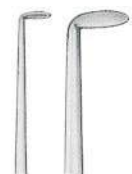
33-11900-11



33-11900-12



33-11900-13



33-11900-14



33-11900-15



33-11900-16



33-11900-17



33-11900-18



33-11900-19



33-11900-20



33-11900-21



33-11900-22



33-11900-23



33-11900-24



Width of Bite

Citelli
33-11904-20 2.0 mm
33-11904-30 3.0 mm



Width of Bite

Citelli-Beyer
33-11906-15 1.5 mm
33-11906-20 2.0 mm



Width of Bite







Brunings
33-11910-40
33-11910-60

-  33-11912-30 3.0 mm
-  33-11912-40 4.0 mm
-  33-11912-50 5.0 mm
-  33-11912-60 6.0 mm



Kerrison
20 cm/8"



		Fig. 000	00	0	1	2	3	4	5
Blunt		33-11914-30	33-11914-20	33-11914-10	33-11914-01	33-11914-02	33-11914-03	33-11914-04	33-11914-05
Sharp		33-11915-30	33-11915-20	33-11915-10	33-11915-01	33-11915-02	33-11915-03	33-11915-04	33-11915-05
Blunt		33-11916-30	33-11916-20	33-11916-10	33-11916-01	33-11916-02	33-11916-03	33-11916-04	33-11916-05
Sharp		33-11917-30	33-11917-20	33-11917-10	33-11917-01	33-11917-02	33-11917-03	33-11917-04	33-11917-05





Gross
33-11944-12
12 cm/4¾"



Zaufal
33-11948-16
16 cm/6¼"



Hartmann
33-11952-16
16 cm/6¼"



Lucae
14 cm/5½"

33-11956-01

33-11956-02

33-11956-03



Wagener
14 cm/5½"

33-11960-01

33-11960-02

33-11960-03

33-11960-04

33-11960-05

33-11960-06



Day
16 cm/6¼"

33-11964-01

33-11964-02



Muck
33-11968-13
13.5 cm/5⅛"



Politzer
33-11972-16
16 cm/6¼"



Fig. Straight Sexton
1 33-11976-01
2 33-11976-02
3 33-11976-03



Curved Sexton
33-11980-01
33-11980-02
33-11980-03



Gerzog-Sexton
33-11984-17
17 cm/6½"

Messer



Poltzer
33-11988-17
17 cm/6¾"



Lempert
33-11992-15
15 cm/6 "



Lempert
15 cm/6"



33-11996-01



33-11996-02



Lempert
33-12000-01
15 cm/6"

Knives



Lempert
33-12000-02
15 cm/6"



Poltzer
33-12004-16
16.5 cm/6½"



Lucae
33-12006-16
16 cm/6¼"
33-12006-18
18 cm/7"

Lucae
33-12008-18
18 cm/7 "



Poltzer
33-12012-17
17 cm/6¾"



Ear Operating Set



Sprague
33-12014-19
19 cm/7½"



33-12018-10



33-12018-20



33-12018-30

Ear Syringe, Complete With 2 Cannulas and 1Protecting Disk

- 33-12018-02 50 ml
- 33-12018-03 75 ml
- 33-12018-04 100 ml
- 33-12018-06 150 ml
- 33-12018-08 200 ml



Fraenkel
34-12022-01 Fig. 1
34-12022-02 Fig. 2
34-12022-03 Fig. 3



34-12026-01
34-12026-02
34-12026-03
13 cm/5"



Fig. 1
34-12026-01
34-12028-01

Fig. 2
34-12026-02
34-12028-02

Fig. 3
34-12026-03
34-12028-03



34-12028-01
34-12028-02
34-12028-03
13 cm/5"



Hartmann
15 cm/6"

34-12030-01

34-12030-02

34-12030-03

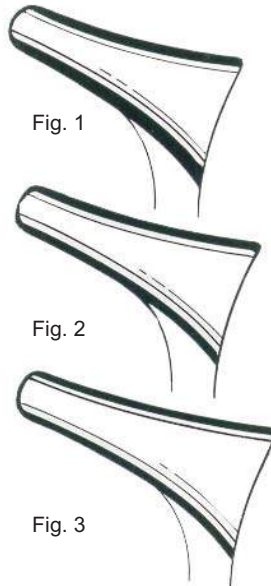


Fig. 1

Fig. 2

Fig. 3

34-12032-01

34-12032-02

34-12032-03



Hartmann
15 cm/6"



34-12036-01

34-12036-02

34-12036-03

Hartmann-Halle
15 cm/6"



Fig. 1



Fig. 2



Fig. 3



34-12038-01

34-12038-02

34-12038-03

Hartmann-Halle
15 cm/6"



34-12042-01

34-12042-02

Tieck
13.5 cm/5 1/4"



34-12044-01



34-12044-02



Tieck
13.5 cm/5 1/4"



Beckmann
15 cm/6"



Fig. 1
34-12048-01



Fig. 2
34-12048-02



Fig. 3
34-12048-03



Mod.Wien

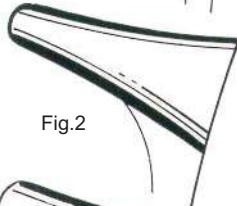
34-12052-01

Fig.1



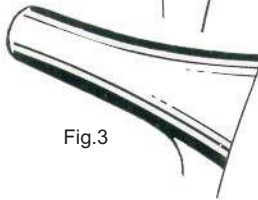
34-12052-02

Fig.2



34-12052-03

Fig.3



34-12054-01



Wien

34-12054-02

34-12054-03



Killian

Fig.1
34-12058-01
35 mm



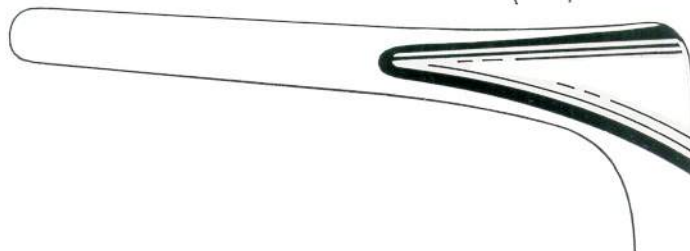
Fig.2
34-12058-02
50 mm



Fig.3
34-12058-03
75 mm



Fig.4
34-12058-04
90 mm





Cottle
34-12062-01
34-12062-02
34-12062-03
34-12062-04
15 cm/6"

Cottle
34-12064-01
34-12064-02
34-12064-03
34-12064-04
15 cm/6"



Fig 1
34-12062-01
34-12064-01
35 mm

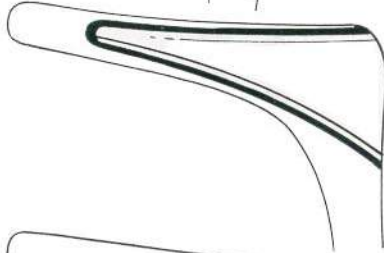


Fig 2
34-12062-02
34-12064-02
50 mm



Fig 3
34-12062-03
34-12064-03
75 mm

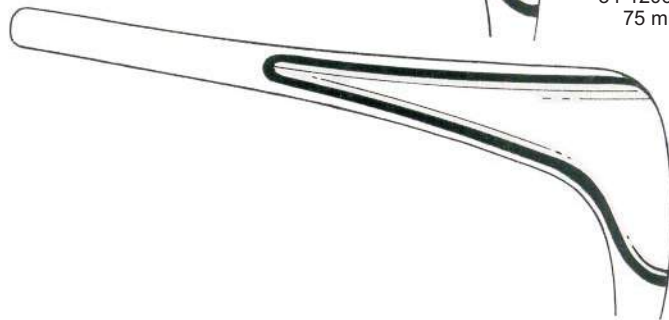
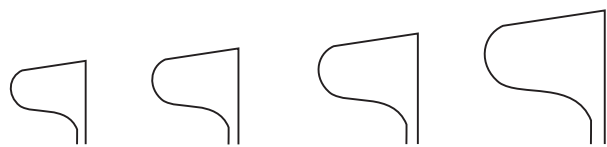


Fig 4
34-12062-04
34-12064-04
90 mm



34-12068-30 Fig. 1- 3
34-12068-40 Fig. 1- 4
34-12068-70 Fig. 1- 7



34-12068-01 34-12068-02 34-12068-03 34-12068-04



34-12068-05 34-12068-06 34-12068-07



Krause
34-12074-26
26 cm/10¹/₄"



Krause-Voss
34-12076-26
26 cm/10¹/₄"



Lange-Wilde
34-12078-24
24 cm/9¹/₂"



Package Of 1 Dozen Each
34-12080-10
0.3 mm



Cm	In
15.0	6
18.0	7
20.0	8



Cm	In
15.0	6
18.0	7
20.0	8



Westmacott (West)
34-12092-20
20 cm/8"



Lubet-Barbon
34-12096-20
20 cm/8"



Hartmann
34-13000-16
16 cm/6 1/2"



Hartmann
34-13002-20
20 cm/8"



Heymann
34-13006-18
18 cm/7"



Craig
34-13010-18
18 cm/7"



Craig Domnick
18 cm/7"



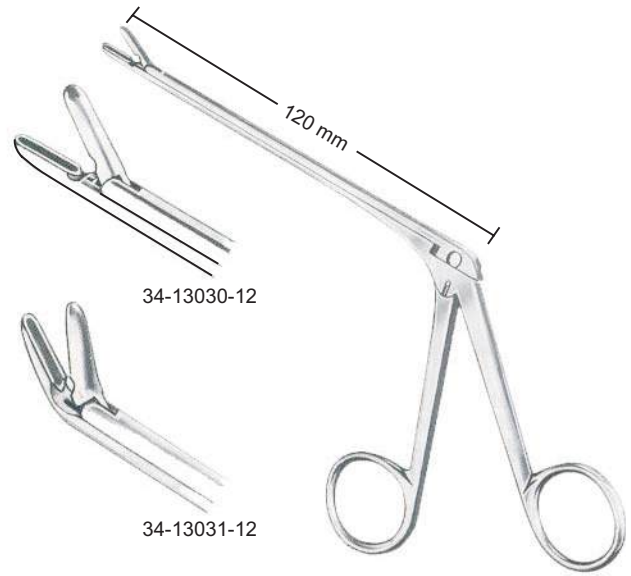
Luc
20 cm/8"



Luc
20 cm/8"



Bruenings
19 cm/7½"



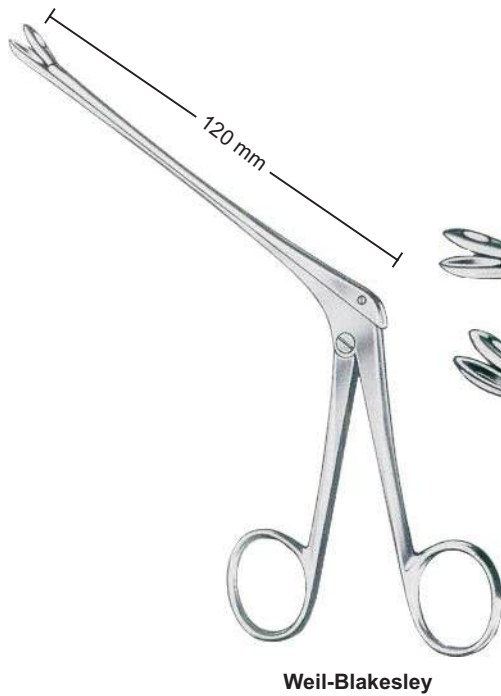
Takahashi
19 cm/7½"



Watson-Williams
19 cm/7½"



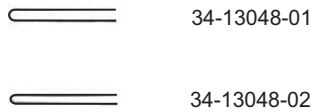
Ferris-Smith
34-13038-12
19 cm/7½"



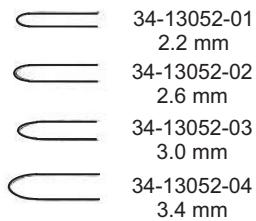
Weil-Blakesley



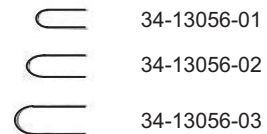
Struycken



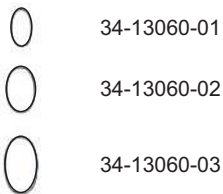
Hajek



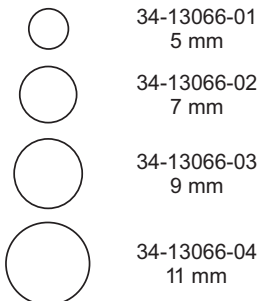
Myles



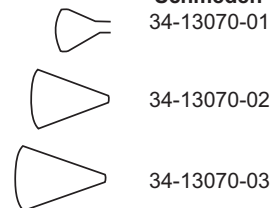
Grunwald



Hartmann



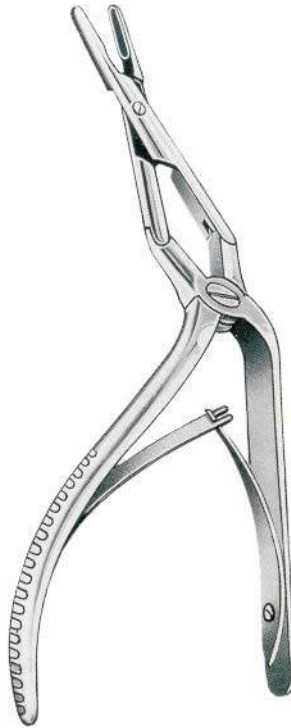
Schmeden



Grunwald
34-13062-01



Middleton-Jansen
34-13074-19
19 cm/7½"



Middleton-Jansen
34-13076-19
19 cm/7½"



Kazanjian
34-13080-18
18 cm/7"



Caplan
34-13084-20
20 cm/8"



34-13088-01
5x4 mm



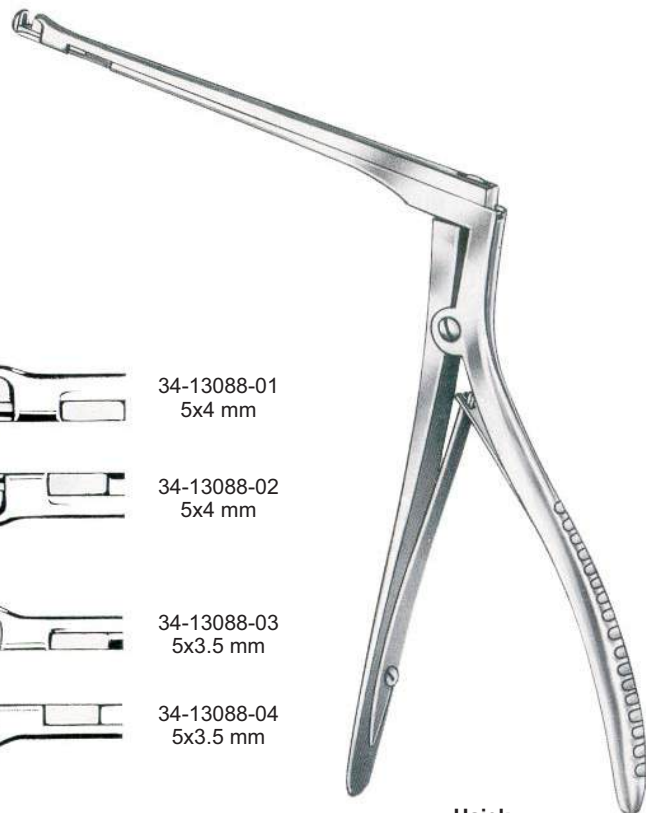
34-13088-02
5x4 mm



34-13088-03
5x3.5 mm



34-13088-04
5x3.5 mm






Hajek
(Hajek-Kofler)
Shaft
14 cm/5½"



Ferris-Smith-Kerrison



Ferris-Smith-Kerrison

	Width of Bite	Length of Shaft		Width of Bite	Length of Shaft		
		15 cm/6"	20 cm/8"		18 cm/7"	15 cm/6"	20 cm/8"
Cutting Upward 	3 mm	34-13092-03	34-13098-03	3 mm	34-13104-03	34-13114-03	34-13120-01
	5 mm	34-13092-05	34-13098-05	5 mm	34-13104-05	34-13114-05	34-13120-02
Cutting Upward 40° 	3 mm	34-13094-03	34-13100-03	3 mm	34-13110-03	34-13116-03	34-13122-01
	5 mm	34-13094-05	34-13100-05	5 mm	34-13110-05	34-13116-05	34-13122-02
Cutting Downward 	3 mm	34-13096-03	34-13102-03	3 mm	34-13106-03	34-13118-03	34-13122-03
	5 mm	34-13096-05	34-13102-05	5 mm	34-13106-05	34-13118-05	34-13122-04
				1 mm			34-13122-05
				2 mm			34-13124-01
				3 mm			34-13124-02
				4 mm			34-13124-03
				5 mm			34-13124-04
				1 mm			34-13124-05
				2 mm			
				3 mm			
				4 mm			
				5 mm			



360° Turnable

Hajek-Kofler
 34-13128-16
 16 cm/6½"

- 34-13132-03
- 3 mm
- 34-13132-04
- 4 mm
- 34-13132-05
- 5 mm
- 34-13132-06
- 6 mm



Kerrison
 20 cm/8"



Jurasz
22 cm/8¾"



34-13136-01



34-13136-02



34-13136-03

Rhinoplastic and Nasal Knives



Joseph
Pointed

← Straight
34-13140-01



Curved
34-13141-01



Joseph
Blunt

← Straight
34-13144-01



Curved
34-13145-01



Converse
34-13149-15
15 cm/6"



Joseph
34-13152-14
14 cm/5½"



Cottle
34-13156-15
15 cm/6"



Cottle
34-13158-14
14 cm/5½"



Freer
34-13162-16
16 cm/6¼"



Joseph
34-13166-16
16.5 cm/6½"



Maltz
34-13170-16
16.5 cm/6½"



Freer
34-13174-19
19 cm/7½"

Septum Knives



Ballenger
20cm/8"



34-13178-03 3 mm 34-13179-03
34-13178-04 4 mm 34-13179-04
34-13178-05 5 mm 34-13179-05



Ballenger
20cm/8"



Bruenings
34-13182-16
16cm/6¼"



34-13186-04 4 mm
34-13186-05 5 mm

Mc Kenty
15 cm/6"



Halle
34-13190-16
16.5 cm/6½"



Joseph
34-13194-16
16.5 cm/6½"



Cottle
34-13198-19
19.5 cm/7½"



Blunt

Freer
34-13202-19
19 cm/7½"

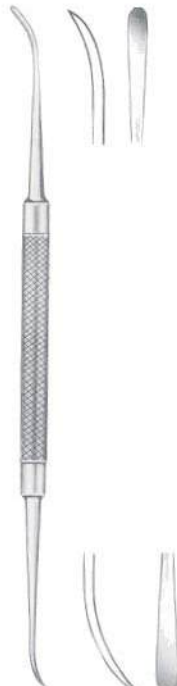


Sharp

Freer
34-13203-19
19 cm/7½"



Freer
34-13206-18
18 cm/7"



Freer-Yasargil
34-13208-18
18.5 cm/7¼"



Howarth
34-13212-21
21.5 cm/8½"



Mc Kenty
34-13216-22
22 cm/8¾"



Killian
34-13220-18
18.5 cm/7¼"



Cottle
34-13224-23
23 cm/9"



Killian
34-13228-18
18.5 cm/7¼"



Pierce
34-13232-21
21 cm/8¼"



Pennington
34-13236-21
21 cm/8¼"

Raspatories



34-13240-18
18 cm/7"



**Joseph (Cottle)
Masing**
34-13244-22
22 cm/8¾"



Masing
34-13248-20
20.5 cm/8⅜"



Joseph
34-13252-16
16cm/6¼"

Period-Elevators



Freer
34-13256-16
16 cm/6¼"



Freer
34-13260-16
16 cm/6¼"



Freer
34-13264-15
15 cm/6"



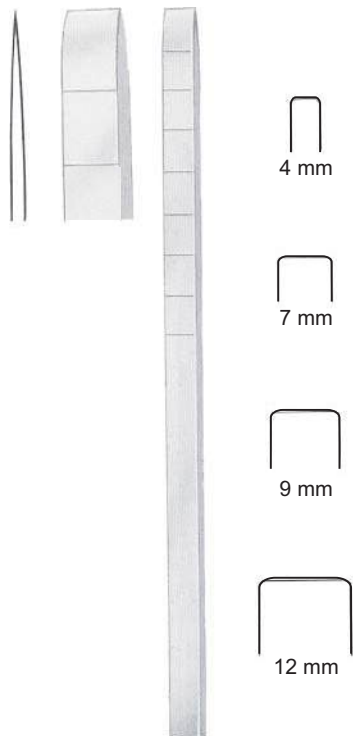
Ballenger
34-13268-04 4 mm
34-13268-06 6 mm
34-13268-08 8 mm
16 cm/6¼"



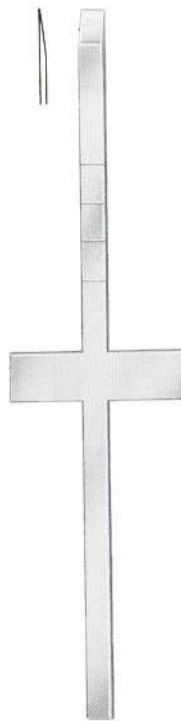
Killian
34-13272-16
16 cm/6¼"



Killian-Claus
34-13276-16
16 cm/6¼"



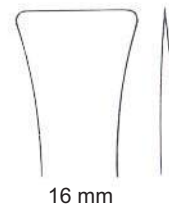
Cottle
34-13280-04 4 mm
34-13280-07 7 mm
34-13280-09 9 mm
34-13280-12 12 mm
18 cm/7"



Cottle
34-13284-04 4 mm
34-13284-07 7 mm
34-13284-09 9 mm
34-13284-12 12 mm
18 cm/7"



Cottle
34-13288-18
18 cm/7"



Cottle
34-13290-18
18 cm/7"



34-13294-08
16 cm/6¼"
8 mm



Cottle
34-13298-04 4 mm
34-13298-07 7 mm
34-13298-09 9 mm
34-13298-12 12 mm
18 cm/7"



Cottle
Curved
34-13299-06
18 cm/7"
6 mm



Fomon
34-13302-05 5mm
34-13302-08 8mm
17 cm/6¾"



Walter
34-13306-03 3 mm
34-13306-04 4 mm
18 cm/7"



34-13310-01



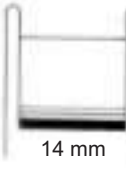
(Silver)
Masing
34-13310-02
17.5 cm/7⅞"



34-13310-03



Cinelli
34-13314-10 10 mm
34-13314-12 12 mm
34-13314-14 14 mm
34-13314-16 16 mm
16 cm/6¼"



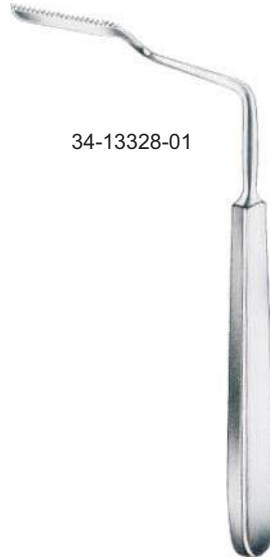
Masing
34-13318-17
17.5 cm/6⅞"



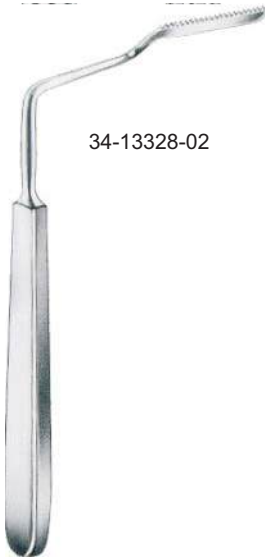
West
34-13322-16
16 cm/6¼"



West
34-13324-16
16 cm/6¼"



34-13328-01



34-13328-02

Joseph
17 cm/6¾"



Joseph
34-13330-01
17 cm/6¾"



Joseph
34-13332-02
17 cm/6¾"



Joseph
34-13332-03
17 cm/6¾"

PinsmedTc



Fig.1



Fig.3



Fig.5



Fig.7



Fig.9



Fig.2



Fig.4



Fig.6



Fig.8

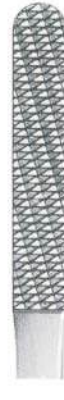


Fig.10

Fomon

- Fig. 1/ 2 34-13336-12
 - Fig. 3/ 4 34-13336-34
 - Fig. 5/ 6 34-13336-56
 - Fig. 7/ 8 34-13336-78
 - Fig. 9/10 34-13336-90
- 21 cm/8¼"

PinsmedTc



Parkes

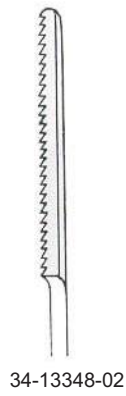
- Fig. 1 34-13340-01
 - Fig. 2 34-13340-02
 - Fig. 3 34-13340-03
 - Fig. 4 34-13340-04
 - Fig. 5 34-13340-05
 - Fig. 6 34-13340-06
 - Fig. 7 34-13340-07
 - Fig. 8 34-13340-08
 - Fig. 9 34-13340-09
 - Fig.10 34-13340-10
- 20.5 cm/8¾"

Maltz

- Fig. 1 34-13344-01
 - Fig. 2 34-13344-02
 - Fig. 3 34-13344-03
 - Fig. 4 34-13344-04
 - Fig. 5 34-13344-05
 - Fig. 6 34-13344-06
 - Fig. 7 34-13344-07
 - Fig. 8 34-13344-08
 - Fig. 9 34-13344-09
 - Fig.10 34-13344-10
- 17 cm/6¾"



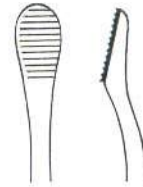
Maltz
17 cm/6¾"



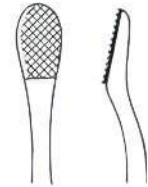
PinsmedTC



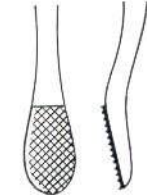
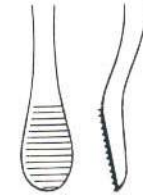
Miller
16 cm/6¼"



34-13352-01



34-13352-02



19 cm/7½"



Aufricht
34-13360-17
17.5 cm/6⅞"



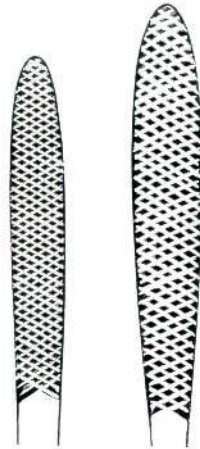
Fomon
34-13364-21
21 cm/8¼"



Maltz
34-13368-18
18 cm/7"



Joseph
16 cm/6¼"



34-13372-01 34-13372-02



Lewis
18 cm/7"



Fine
34-13376-01



Coarse
34-13376-02



Cottle
34-13380-21
21 cm/8¼"



Aufricht
21 cm/8¼"

34-13384-01

34-13384-02



Joseph
34-13388-16
15 cm/6"



Cottle
34-13392-16
15 cm/6 1/4"



Lange
34-13396-22
22 cm/8 3/4"



Fomon
34-13400-17
17 cm/6 3/4"



Freer
34-13404-15
15 cm/6"



Frazier
34-13408-13 13 cm/5"
34-13408-18 18 cm/7"



Joseph
16 cm/6 1/4"



34-13412-02
2 mm



34-13412-05
5 mm



34-13412-07
7 mm



34-13412-10
10 mm



Fomon
34-13416-16
16 cm/6 1/4"



Neivert (Masing)
34-13420-20
20 cm/8"



Cottle-Neivert
34-13424-20
20 cm/8"

Hooks



Fomon
34-13428-14
14.5 cm/5 3/4"



Cottle
34-13432-14
14.5 cm/5 3/4"



Cottle
34-13434-14
14.5 cm/5 3/4"



Cottle
34-13436-14
14.5 cm/5 3/4"



Cottle
34-13440-16
15 cm/6"



Kilner
34-13444-08
8 cm/3 1/8"
10 mm

Columella Forceps



Converse
34-13448-12
12 cm/4 3/4"



Cottle
34-13456-10
10 cm/4"

Tissue Lifter



34-13460-14
14 cm/5 1/2"

Tissue Picks



34-13464-11
11 cm/4 3/8"



1.0 mm 34-13468-10
1.8 mm 34-13468-18



Walsham
23 cm/9"



34-13472-01



34-13472-02



34-13472-03



Cottle-Walsham
34-13474-22
22 cm/8 3/4"



Asch
34-13476-23
23 cm/9"



Kressner
34-13480-20
20 cm/8"



Rubin
34-13484-20
20 cm/8"



Faulkner
34-13488-21
21 cm/8¼"



Sewall
34-13492-20
20 cm/8"
6 mm



Coakley
17 cm/6¾"



34-13496-01 34-13496-02 34-13496-03



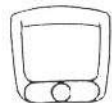
34-13496-04 34-13496-05 34-13496-06

Ringmesser



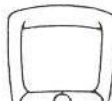
Beckmann
22 cm/8¾"

34-13500-01



34-13501-01

34-13500-02



34-13501-02

34-13500-03



34-13501-03

34-13500-04



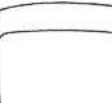
34-13501-04

34-13500-05



34-13501-05

34-13500-06

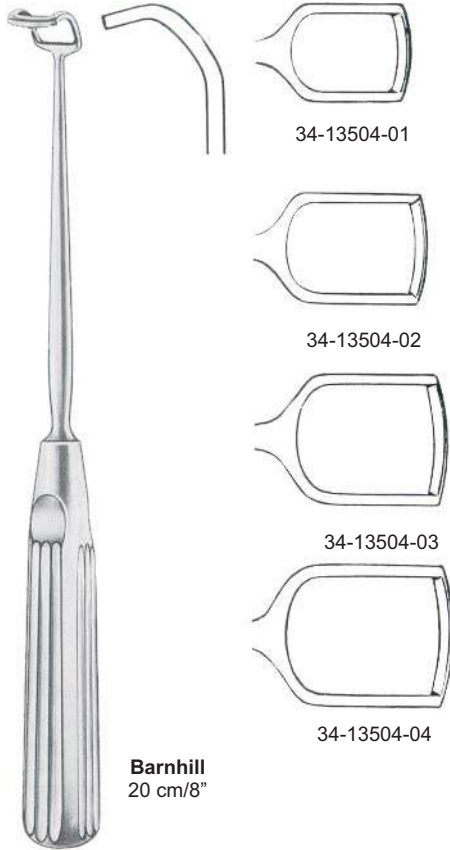


34-13501-06

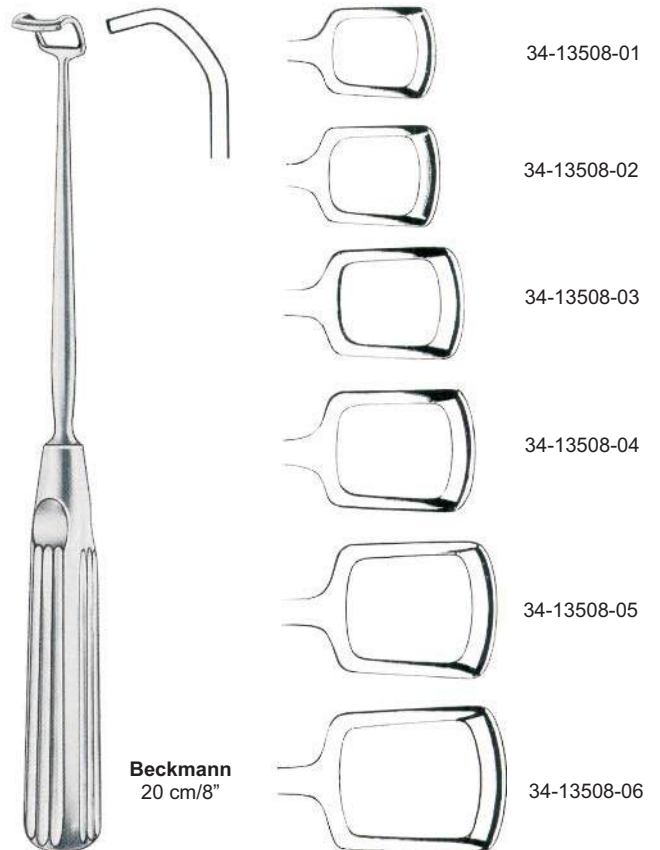
Adenoid Curettes



Negus
20 cm/8"



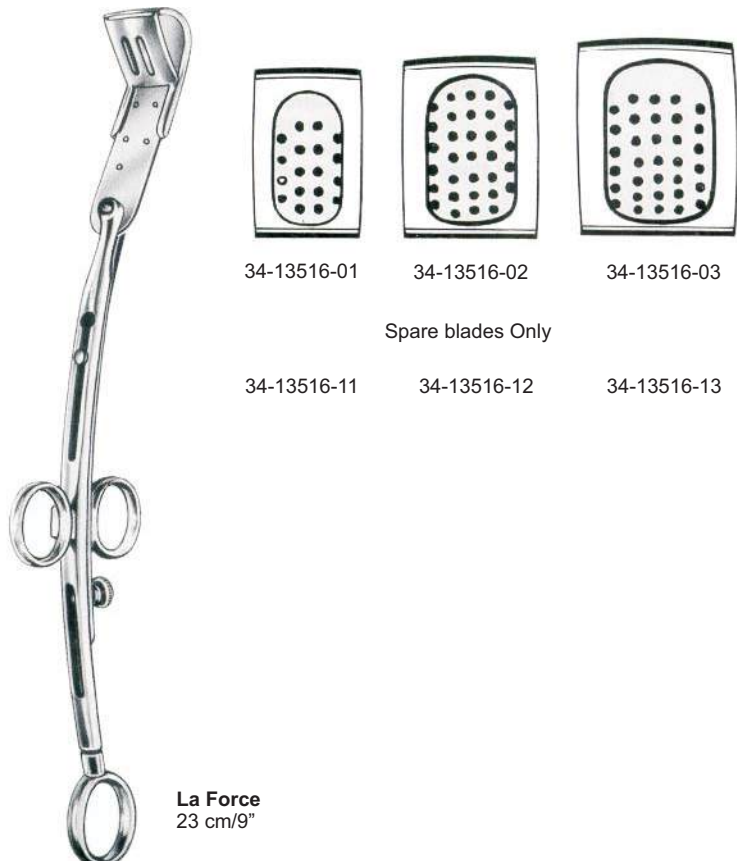
Barnhill
20 cm/8"



Beckmann
20 cm/8"



St. Clair-Thompson
22 cm/8 3/4"



La Force
23 cm/9"



Bruenings- Brunk
34-13520-19
19 cm/7½"



Siebenmann



mm Ø

34-13524-15	1.5	34-13526-15
34-13524-17	1.7	34-13526-17
34-13524-20	2.0	34-13526-20
34-13524-25	2.5	34-13526-25
34-13524-30	3.0	34-13526-30



Fig. 1

Hartmann



Fig. 2

34-13530-20	34-13534-20
34-13530-25	34-13534-25
34-13530-30	34-13534-30



Eicken - Killian
34-13538-03
3 mm Ø



Killian
34-13538-15
1.5 mm Ø



Ritter - Halle
2.5 mm 34-13540-25
3.0 mm 34-13540-30
4.0 mm 34-13540-40

Gag Only
35-13546-10



Fig. 1
35-13546-01
65 x 28 mm

Kilner-Doughty
Complete
35-13546-00



Fig. 3
35-13546-03
80 x 37 mm

Fig. 2
35-13546-02
75 x 32 mm

Gag Only
35-13550-10

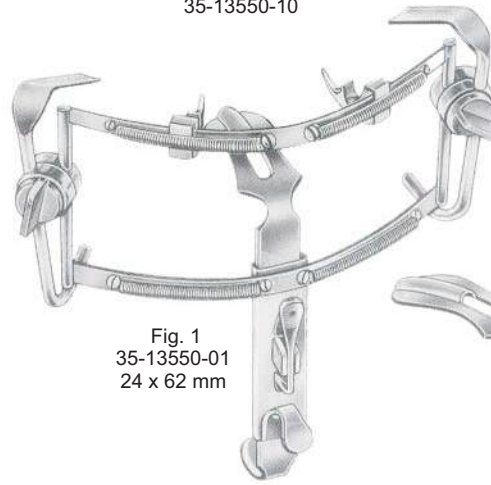


Fig. 1
35-13550-01
24 x 62 mm

Dingmann
Complete
35-13550-00



Fig. 3
35-13550-03
31 x 75 mm

Fig. 2
35-13550-02
28 x 65 mm

Gag Only
35-13554-10



Fig. 1
35-13554-01
21 x 26 mm

Davis-Boyle
Complete
35-13554-00



Fig. 2
35-13554-02
23 x 65 mm

Fig. 3
35-13554-03
24 x 80 mm

Fig. 4
35-13554-04
25 x 93 mm

Fig. 5
35-13554-05
26 x 108 mm

Gag Only
35-13558-10



Fig. 1
35-13558-01
23 x 70 mm

Mc Ivor
Complete
35-13558-00



Fig. 2
35-13558-02
25 x 86 mm

Fig. 3
35-13558-03
26 x 100 mm



Fig.		mm
2	35-13562-02	23 x 65
3	35-13562-03	24 x 80
4	35-13562-04	25 x 93
5	35-13562-05	26 x 108

Modell Wurzburg

Fig.		mm
1	35-13566-01	28 x 66
2	35-13566-02	32 x 75
3	35-13566-03	34 x 83
4	35-13566-04	37 x 93
5	35-13566-05	38 x 100



Chest Support for
Mouth gag
35-13570-00



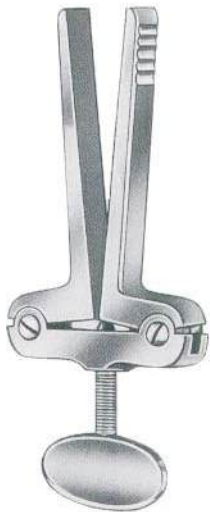
Mouth Gags

Baby-Molt
35-13574-10
10 cm/4"

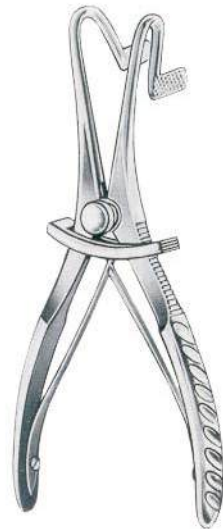
Molt
35-13576-11 11 cm/4¼"
35-13576-14 14 cm/5½"

Roser-Konig
35-13580-16 16 cm/6¼"
35-13580-19 19 cm/7½"

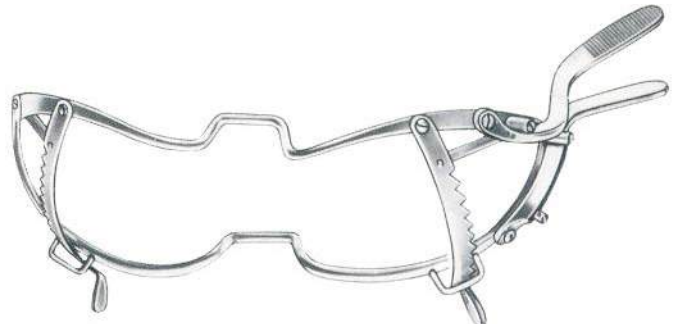
Denhart
35-13584-12
12 cm/4¾"



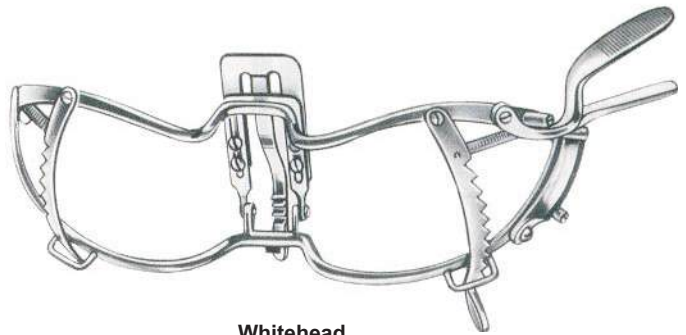
Heister
35-13588-13
13 cm/5"



Fergusson-Ackland
35-13592-18 18 cm/7"
35-13592-20 20 cm/8"



Whitehead
35-13596-11 11 cm/4¼"
35-13596-13 13 cm/5"
35-13596-15 15 cm/6"



Whitehead
35-13600-13
13 cm/5"



Jennings
35-13604-09 09 cm/3½"
35-13604-11 11 cm/4¼"
35-13604-13 13 cm/5"
35-13604-15 15 cm/6"



Sternberg
35-13608-12 12 cm/4¾"
35-13608-14 14 cm/5½"
35-13608-16 16 cm/6¼"



35-13612-19
19 cm/7½"



Moritz-Schmidt
35-13616-19
19 cm/7½"



Hartmann
35-13620-15
15 cm/6"



Tobold
35-13624-14
14.5 cm/5¾"



Fraenkel
35-13628-19
19 cm/7½"



Frenzel
35-13632-16
16.5 cm/6½"



35-13636-13
13 cm/5"



35-13640-14
14.5 cm/5¾"



35-13646-14
14.5 cm/5¾"



Kroenig
35-13650-15
15 cm/6"



Mayo
35-13654-17
17 cm/6¾"



Bruenings
35-13658-19
19 cm/7½"



Bruenings
35-13662-19
19 cm/7½"



35-13666-01

35-13666-02

Wieder



Collin
35-13670-16
16 cm/6¼"



Collin
35-13672-19
19 cm/7½"



35-13676-19
19 cm/7½"



Young
35-13680-17
17 cm/6¾"



Guys
35-13682-19
19 cm/7½"

Finger Protectors



Lengenbeck
35-13684-01 Ø 22.0 mm
35-13684-02 Ø 24.5 mm
35-13684-03 Ø 26.5 mm

2.5 mm

1.8 mm

Gauze Packers

Luniatschek
36-13688-18
18 cm/7"

Luniatschek
36-13690-18
18 cm/7"

Trelat
36-13694-23
23 cm/9"

Claus
36-13698-23
23 cm/9"

Hurd
36-13702-24
24 cm/9½"

Hurd
36-13704-21
21 cm/8¼"

Ligature Carrier

Nager
36-13708-24
24 cm/9½"

Falk
36-13712-24
24 cm/9½"

Falk
36-13716-24
24 cm/9½"

Claus-Eicken
36-13720-23
23 cm/9"

Roeder
36-13724-26
26 cm/10¼"



36-13728-17
17.5 cm/6⁷/₈"



Fischer
36-13732-22
22.5 cm/8⁷/₈"



Douglas
36-13736-21
21 cm/8¹/₄"



Abraham
36-13740-21
21 cm/8¹/₄"



Bruenings
36-13744-23
23 cm/9"



Abraham
36-13748-19
19 cm/7¹/₂"



Canfield
36-13752-21
21 cm/8¹/₄"



Hurd
36-13756-22
22.5 cm/8⁷/₈"



Yankauer
36-13760-21
21 cm/8¹/₄"



Luniatschek
36-13764-19
19 cm/7¹/₂"



Henke
23 cm/9"



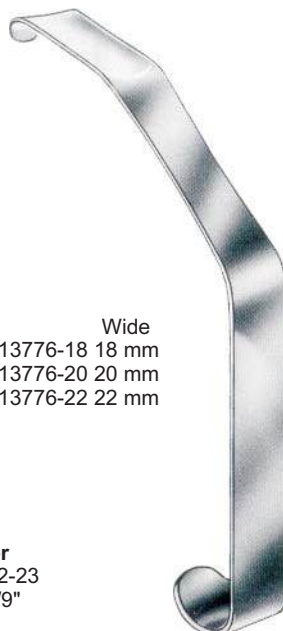
36-13768-01



36-13768-02



Nager
36-13772-23
23 cm/9"



Wide
36-13776-18 18 mm
36-13776-20 20 mm
36-13776-22 22 mm

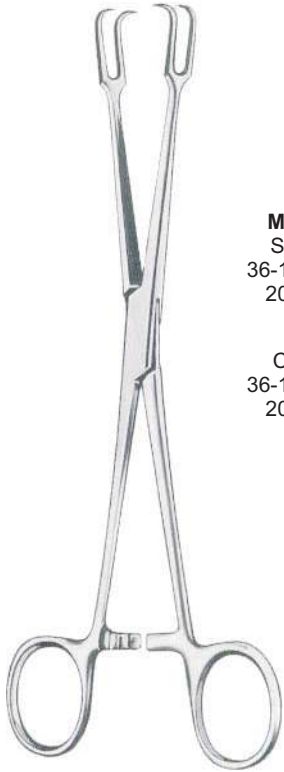


Love
23 cm/9"



Haslinger
36-13780-16

Hofer
36-13784-24
24 cm/9¹/₂"



Museux
Straight
36-13788-20
20 cm/8"

Curved
36-13789-20
20 cm/8"



Ballenger
36-13792-21
21.5 cm/8½"



White
36-13796-18 18 cm/7"
36-13796-23 23 cm/9"



Marschik Kroni
36-13800-20
20.5 cm/8"



Colver
Straight
36-13804-19
19 cm/7½"

Curved
36-13805-19
19 cm/7½"



Blohmke
36-13808-20
20 cm/8"



Eves
36-13812-28
28 cm/11"



Eves
36-13814-28
28 cm/11"



Bruenings
36-13818-28
28 cm/11"



With 1 Straight Tip

Brown
36-13822-00



With 1 Straight Tip

Tyding
36-13826-00



Sluder-Ballenger
Complete, With 3 Tips
36-13830-00

Tonsil Punch Forceps



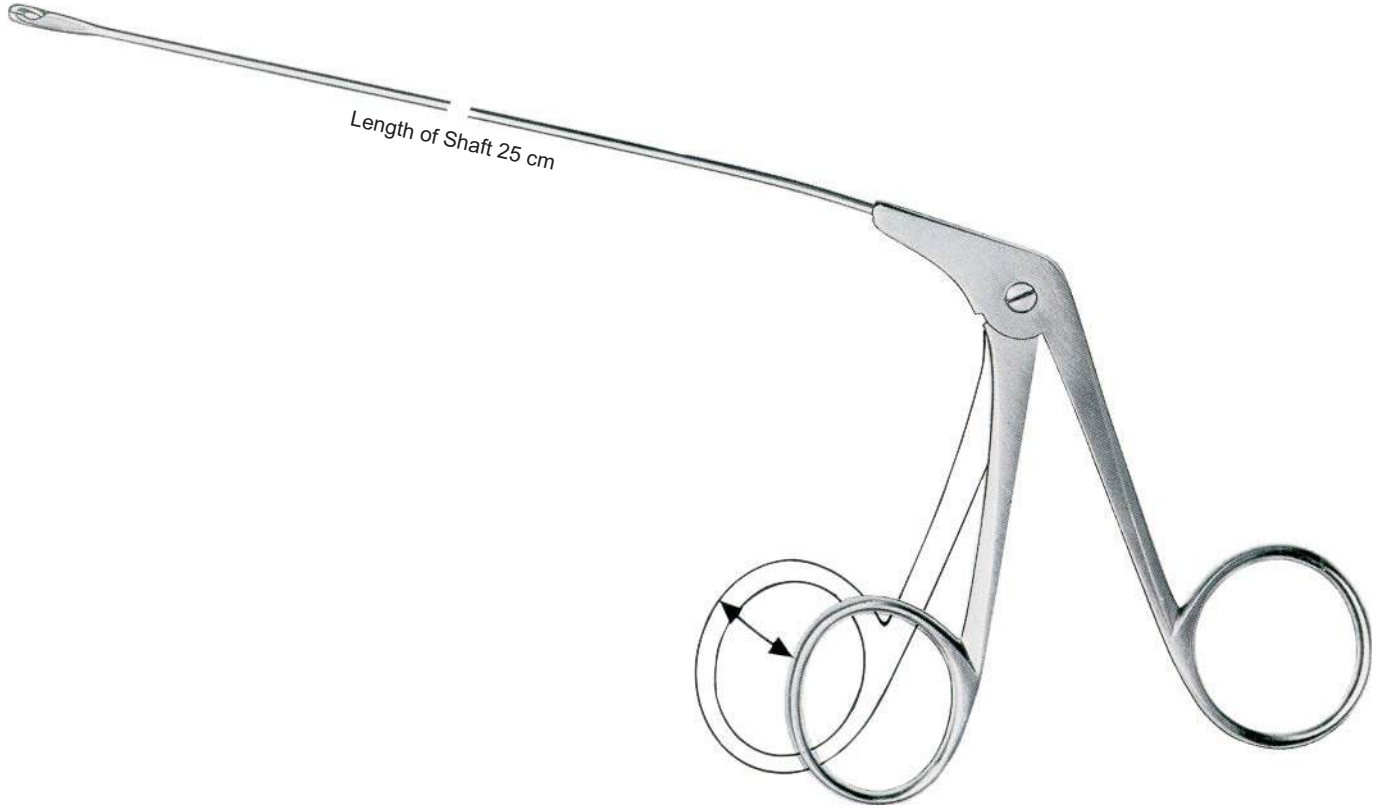
36-13834-13 13 mm Ø
36-13834-15 15 mm Ø
36-13834-17 17 mm Ø


















Hartmann

Tonsil Haemostats


































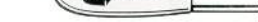


















Corwin
36-13838-14
14 cm/5½"

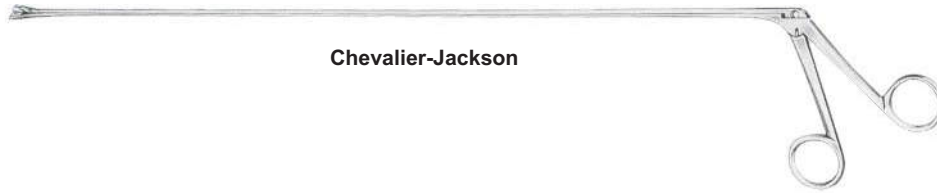


	Micro Scissors	Micro Forceps	Cup Shaped Forceps 2.5 mm Ø
Straight	 37-13842-01	 37-13844-01	 37-13846-01
Straight Horizontal	 37-13842-02	 37-13844-02	
Angled Up	 37-13842-03		 37-13846-03
Angled Up Horizontal	 37-13842-04	 37-13844-04	 37-13846-04
Curved Right	 37-13842-05	 37-13844-05	 37-13846-05
Curved Left	 37-13842-06	 37-13844-06	 37-13846-06
			 Oval 37-13846-07



Length of Shaft

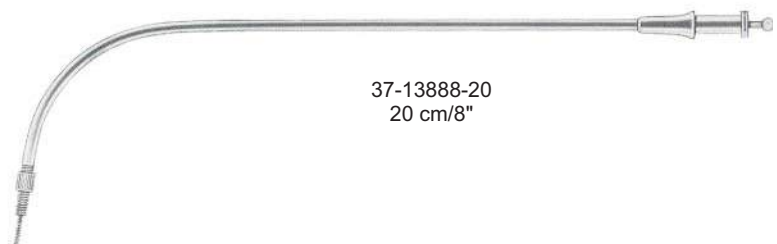
Length of Shaft For Children	40 cm	50 cm	60 cm
 35 cm 37-13850-01	 40 cm 37-13852-01	 50 cm 37-13854-01	 60 cm 37-13856-01
 37-13850-02	 37-13852-02	 37-13854-02	 37-13856-02
 37-13850-03	 37-13852-03	 37-13854-03	 37-13856-03
 37-13850-04	 37-13852-04	 37-13854-04	 37-13856-04
 37-13850-05	 37-13852-05	 37-13854-05	 37-13856-05
 37-13850-06	 37-13852-06	 37-13854-06	 37-13856-06
 37-13850-07	 37-13852-07	 37-13854-07	 37-13856-07
 37-13850-08	 37-13852-08	 37-13854-08	 37-13856-08
 37-13850-09	 37-13852-09	 37-13854-09	 37-13856-09
 37-13850-10	 37-13852-10	 37-13854-10	 37-13856-10
 37-13850-11	 37-13852-11	 37-13854-11	 37-13856-11
	 37-13852-12	 37-13854-12	 37-13856-12
	 37-13852-13	 37-13854-13	 37-13856-13



Length
cm in

30	12	37-13860-30	37-13862-30	37-13864-30	37-13866-30	37-13868-30	37-13870-30	37-13872-30	37-13874-30
40	16	37-13860-40	37-13862-40	37-13864-40	37-13866-40	37-13868-40	37-13870-40	37-13872-40	37-13874-40
50	20	37-13860-50	37-13862-50	37-13864-50	37-13866-50	37-13868-50	37-13870-50	37-13872-50	37-13874-50
60	24	37-13860-60	37-13862-60	37-13864-60	37-13866-60	37-13868-60	37-13870-60	37-13872-60	37-13874-60

Interchangeable Tips



Straight	Lengths		Angular
	cm	in	
37-13884-20	20	08	37-13885-20
37-13884-30	30	12	37-13885-30
37-13884-40	40	16	37-13885-40
37-13884-50	50	20	37-13885-50
37-13884-60	60	24	37-13885-60



Baracani
37-13890-01



Seiffert
37-13892-01



Frankel
37-13894-01



Scheinmann
37-13896-01



Scheinmann
37-13896-02



Bruenings
37-13898-01 2 mm Ø
37-13898-02 3 mm Ø



Bruenings
37-13898-03



Bruenings
37-13898-04



Lange
37-13900-01



Krause
37-13902-01



Krause
37-13904-01



Cordes
37-13906-01



Schumacher
37-13908-01



Cordes



37-13910-01



37-13910-02



Flatau
37-13912-01



Fraenkel
37-13914-01



Metal Handles



Fig.	mm Ø
000	06
00	08
0	10
1	12
2	14
3	16
4	18
5	20
6	22
7	24
8	26
9	28
10	30

37-13916-06
37-13916-08
37-13916-10
37-13916-12
37-13916-14
37-13916-16
37-13916-18
37-13916-20
37-13916-22
37-13916-24
37-13916-26
37-13916-28
37-13916-30

37-13918-06
37-13918-08
37-13918-10
37-13918-12
37-13918-14
37-13918-16
37-13918-18
37-13918-20
37-13918-22
37-13918-24
37-13918-26
37-13918-28
37-13918-30

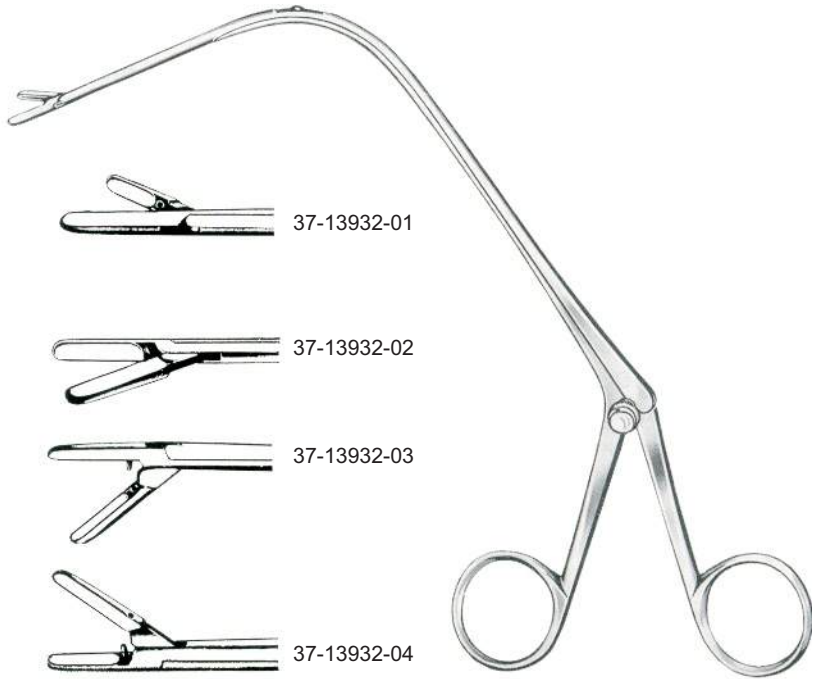
Michel

37-13920-10
37-13920-12
37-13920-14
37-13920-16
37-13920-18
25 cm/10"

37-13924-01



Fraenkel
37-13928-18
18 cm/7"



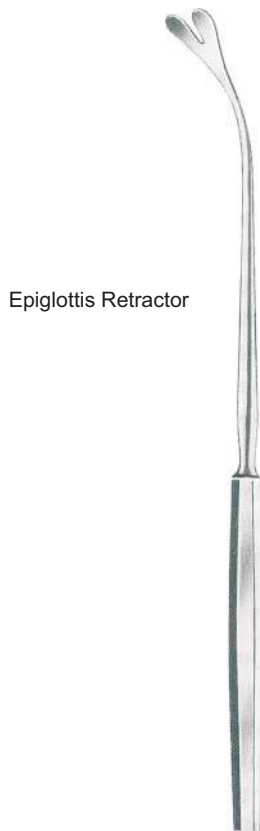
Jurasz
23 cm/9"

37-13932-01

37-13932-02

37-13932-03

37-13932-04



Epiglottis Retractor

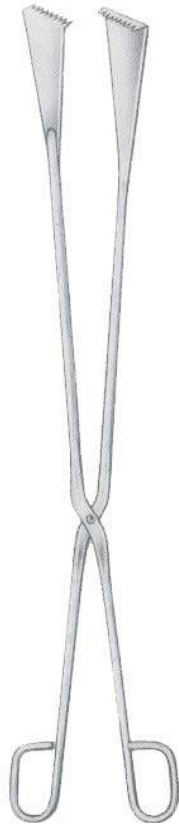
Reichert
37-13936-24
24 cm/9½"



Killian
37-13940-20
20 cm/8"



Davis
38-13944-16 16 cm/6¼"
38-13944-24 24 cm/9½"



Sauerbruch
38-13948-55
55 cm/21½"



38-13952-20 20 cm/8"
38-13952-28 28 cm/11"
38-13952-30 30 cm/12"



Rogge
38-13956-23
23 cm/9"



Cheatle
38-13960-27
27 cm/10½"



Universal
38-13964-20 20 cm/8"
38-13964-28 28 cm/11"



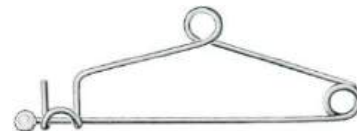
Universal
38-13968-20
38-13968-28



Bunt
38-13972-01
10.5 cm/4¼"

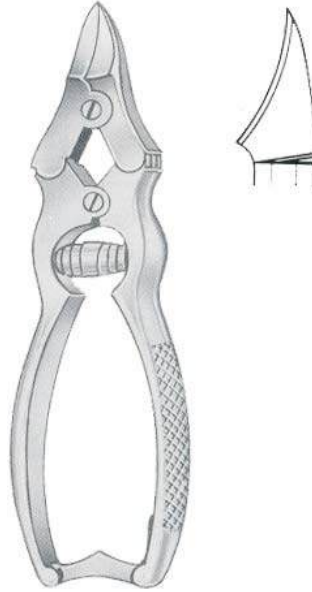


Mayo
38-13972-02
14 cm/5½"



Mayo
38-13972-03
14 cm/5½"

Stainless



39-13976-15
15 cm/6"

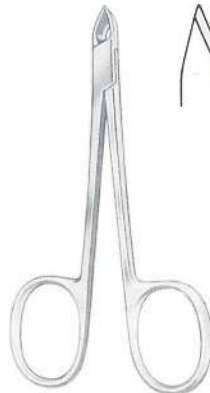


39-13980-10
39-13981-10
10 cm/4"



Straight
Curved

39-13984-10
39-13985-10
10 cm/4"



39-13992-10
10 cm/4"



39-13996-11
11 cm/4½"
39-13996-13
13 cm/5"



cm	in	
11	4½"	39-14000-11
13	5"	39-14000-13
14	5½"	39-14004-14
16	6¼"	39-14004-16



cm	in	
11	4½"	39-14012-11
13	5"	39-14012-13
14	5½"	39-14008-14
15	6"	39-14008-15
		39-14012-15

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14-02475-10	80	14-02607-01	87	14-02772-11	94	15-02818-13	95	15-02952-16	100	15-03062-12	103
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14-02479-11	80	14-02607-03	87	14-02777-11	94	15-02818-15	95	15-02952-20	100	15-03066-15	103
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15-04074-07	108	15-04200-18	112	16-04306-10	117	16-04394-22	121	16-04497-22	126	16-04621-18	132
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16-04753-23	139	16-04900-25	146	17-05010-12	151	17-05098-01	155	17-05218-01	160	17-05305-14	164
16-04755-22	139	16-04901-20	146	17-05010-14	151	17-05098-02	155	17-05218-02	160	17-05308-03	165
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19-06796-12	255	21-06878-18	258	21-06918-09	260	21-06942-20	262	21-06966-25	263	21-06993-30	266
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19-06802-14	255	21-06880-12	258	21-06918-16	260	21-06944-22	262	21-06967-06	263	21-06996-02	267
19-06806-14	255	21-06880-18	258	21-06918-19	260	21-06948-05	263	21-06967-09	263	21-06996-03	267
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21-07120-05	275	21-07262-06	283	21-07438-17	293	21-07603-16	301	21-07753-27	308	21-07884-42	318
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21-07892-02	319	22-08028-13	326	25-08156-16	331	25-08286-20	344	25-08404-00	351	26-08512-21	360
21-07892-03	319	22-08030-08	326	25-08156-20	331	25-08290-15	344	25-08404-01	351	26-08514-21	360
21-07896-10	320	22-08030-09	326	25-08160-18	332	25-08291-15	344	25-08408-00	351	26-08514-22	360
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				25-08274-36	343	25-08396-50	350	26-08508-01	359	26-08556-27	363
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26-08556-30	363	27-08624-03	367	27-08722-18	374	27-08794-02	378	27-08816-27	380	27-08994-27	389
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26-08560-08	364	27-08628-02	368	27-08734-00	374	27-08798-02	379	27-08816-39	380	27-09006-18	389
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		27-08704-01	373	27-08782-40	377	27-08804-12	379	27-08942-10	387	27-09136-21	396
		27-08704-02	373	27-08784-20	377	27-08804-14	379	27-08944-08	387	27-09140-28	396
		27-08706-00	373	27-08784-25	377	27-08804-16	379	27-08944-08	387	27-09144-24	397
		27-08706-01	373	27-08784-30	377	27-08804-18	379	27-08944-10	387	27-09148-23	397
		27-08706-02	373	27-08784-35	377	27-08804-20	379	27-08948-06	387	27-09152-00	398
		27-08708-00	373	27-08784-40	377	27-08804-22	379	27-08948-08	387	27-09152-01	398
		27-08708-01	373	27-08786-20	377	27-08804-24	379	27-08948-10	387	27-09154-00	398
		27-08708-02	373	27-08786-25	377	27-08804-26	379	27-08952-06	387	27-09154-01	398
		27-08712-20	373	27-08786-30	377	27-08806-00	379	27-08952-10	387	27-09156-00	398
		27-08712-25	373	27-08786-35	377	27-08810-00	380	27-08952-08	387	27-09156-01	398
		27-08712-30	373	27-08786-40	377	27-08810-10	380	27-08956-16	387	27-09158-00	398
		27-08712-35	373	27-08790-00	378	27-08810-12	380	27-08960-28	387	27-09158-01	398
		27-08712-40	373	27-08790-01	378	27-08810-14	380	27-08964-24	388	27-09160-00	398
		27-08714-20	373	27-08790-02	378	27-08810-16	380	27-08968-26	388	27-09160-01	398
		27-08714-25	373	27-08790-03	378	27-08810-18	380	27-08972-21	388	27-09162-00	398
		27-08714-30	373	27-08790-04	378	27-08810-20	380	27-08974-21	388	27-09162-01	398
		27-08714-35	373	27-08790-05	378	27-08816-00	380	27-08978-32	388	27-09164-00	398
		27-08714-40	373	27-08794-00	378	27-08816-15	380	27-08982-20	388	27-09164-01	398
						27-08816-19	380	27-08986-25	388	27-09168-01	399

27-08592-01	366	27-08700-01	372	27-08782-25	377	27-08804-08	379	27-08942-06	387	27-09130-23	395
27-08592-02	366	27-08700-02	372	27-08782-30	377	27-08804-10	379	27-08942-08	387	27-09134-23	396
27-08592-03	366	27-08704-00	373	27-08782-35	377	27-08804-12	379	27-08942-10	387	27-09136-21	396
27-08596-01	366	27-08704-01	373	27-08782-40	377	27-08804-14	379	27-08944-08	387	27-09140-28	396
27-08596-02	366	27-08704-02	373	27							

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Cat #	Pg #	Cat #	Pg #	Cat #	Pg #
27-09168-02	399	27-09222-01	402	27-09230-16	403
27-09168-03	399	27-09222-02	402	27-09230-19	403
27-09168-04	399	27-09222-03	402	27-09230-20	403
27-09168-05	399	27-09222-04	402	27-09230-21	403
27-09168-06	399	27-09222-05	402	27-09230-23	403
27-09170-01	399	27-09222-06	402	27-09230-25	403
27-09170-02	399	27-09223-01	402	27-09230-30	403
27-09170-03	399	27-09223-02	402	27-09230-35	403
27-09170-04	399	27-09223-03	402	27-09230-40	403
27-09170-05	399	27-09223-04	402	27-09231-05	403
27-09170-06	399	27-09223-05	402	27-09231-06	403
27-09174-01	399	27-09223-06	402	27-09231-07	403
27-09174-02	399	27-09226-05	403	27-09231-08	403
27-09174-03	399	27-09226-06	403	27-09231-09	403
27-09174-04	399	27-09226-07	403	27-09231-11	403
27-09174-05	399	27-09226-08	403	27-09231-12	403
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27-09177-02	400	27-09226-11	403	27-09231-15	403
27-09177-03	400	27-09226-12	403	27-09231-16	403
27-09177-04	400	27-09226-14	403	27-09231-19	403
27-09177-05	400	27-09226-15	403	27-09231-20	403
27-09177-06	400	27-09226-16	403	27-09231-21	403
27-09180-10	400	27-09226-19	403	27-09231-23	403
27-09180-12	400	27-09226-20	403	27-09231-25	403
27-09180-14	400	27-09226-21	403	27-09231-30	403
27-09184-30	400	27-09226-23	403	27-09231-35	403
27-09188-24	400	27-09227-05	403	27-09231-40	403
27-09192-24	400	27-09227-06	403	27-09232-05	403
27-09196-05	401	27-09227-07	403	27-09232-06	403
27-09196-07	401	27-09227-08	403	27-09232-07	403
27-09196-09	401	27-09227-09	403	27-09232-08	403
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27-09202-04	401	27-09227-15	403	27-09232-14	403
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27-09202-14	401	27-09227-23	403	27-09232-21	403
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27-09210-01	402	27-09228-06	403	27-09232-25	403
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27-09210-06	402	27-09228-12	403	27-09233-06	403
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27-09214-01	402	27-09228-23	403	27-09233-15	403
27-09214-02	402	27-09229-05	403	27-09233-16	403
27-09214-03	402	27-09229-06	403	27-09233-19	403
27-09214-04	402	27-09229-07	403	27-09233-20	403
27-09214-05	402	27-09229-08	403	27-09233-21	403
27-09214-06	402	27-09229-09	403	27-09233-23	403
27-09215-01	402	27-09229-11	403	27-09233-25	403
27-09215-02	402	27-09229-12	403	27-09233-30	403
27-09215-03	402	27-09229-14	403	27-09233-35	403
27-09215-04	402	27-09229-15	403	27-09233-40	403
27-09215-05	402	27-09229-16	403	27-09236-16	404
27-09215-06	402	27-09229-19	403	27-09236-18	404
27-09218-01	402	27-09229-20	403	27-09236-19	404
27-09218-02	402	27-09229-21	403	27-09236-21	404
27-09218-03	402	27-09229-23	403	27-09236-23	404
27-09218-04	402	27-09230-05	403	27-09236-26	404
27-09218-05	402	27-09230-06	403	27-09236-28	404
27-09218-06	402	27-09230-07	403	27-09237-16	404
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27-09219-03	402	27-09230-11	403	27-09237-21	404
27-09219-04	402	27-09230-12	403	27-09237-23	404
27-09219-05	402	27-09230-14	403	27-09237-26	404
27-09219-06	402	27-09230-15	403	27-09237-28	404

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Cat #	Pg #	Cat #	Pg #	Cat #	Pg #
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27-09240-31	404	29-09426-01	416	29-09550-07	424
		29-09426-02	416	29-09550-08	424
		29-09426-03	416	29-09550-10	424
		29-09426-04	416	29-09550-12	424
		29-09426-05	416	29-09551-07	424
		29-09430-00	416	29-09551-08	424
		29-09430-01	416	29-09551-10	424
		29-09430-02	416	29-09551-12	424
		29-09430-03	416	29-09554-03	424
		29-09434-01	417	29-09555-03	424
		29-09434-02	417	29-09558-04	424
		29-09436-00	417	29-09559-04	424
		29-09438-01	418	29-09562-05	424
		29-09438-02	418	29-09563-05	424
		29-09438-03	418	29-09566-06	425
		29-09442-01	418	29-09566-07	425
		29-09442-02	418	29-09566-09	425
		29-09442-03	418	29-09566-11	425
		29-09446-01	418	29-09567-06	425
		29-09446-02	418	29-09567-07	425
		29-09450-01	419	29-09567-09	425
		29-09450-02	419	29-09567-11	425
		29-09450-03	419	29-09671-06	425
		29-09454-00	419	29-09575-07	425
		29-09454-01	419	29-09579-09	426
		29-09454-02	419	29-09583-10	426
		29-09454-03	419	29-09587-07	426
		29-09258-18	420	29-09591-09	426
		29-09462-19	420	29-09593-11	426
		29-09466-14	420	29-09596-21	427
		29-09470-16	420	29-09596-22	427
		29-09474-16	420	29-09599-21	427
		29-09478-25	420	29-09599-22	427
		29-09478-30	420	29-09601-21	427
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		29-09486-22	421	29-09605-21	428
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		29-09492-24	421	29-09609-20	428
		29-09496-20	421	29-09609-24	428
		29-09500-20	421	29-09613-20	428
		29-09504-01	421	29-09615-18	428
		29-09504-02	421	29-09618-01	429
		29-09508-01	421	29-09618-02	429
		29-09508-02	421	29-09618-03	429
		29-09512-15	422	29-09621-18	429
		29-09516-01	422	29-09624-15	429
		29-09516-02	422	29-09624-18	429
		29-09516-03	422	29-09625-15	429
		29-09516-04	422	29-09625-18	429
		29-09520-15	422	29-09629-20	429
		29-09520-19	422	29-09633-24	430
		29-09520-24	422	29-09633-27	430
		29-09524-18	423	29-09633-31	430
		29-09524-21	423	29-09633-33	430
		29-09526-18	423	29-09637-28	431
		29-09526-21	423	29-09641-30	431
		29-09530-15	423	29-09645-23	432
		29-09530-19	423	29-09649-21	432
		29-09530-24	423	29-09653-01	433
		29-09534-16	423	29-09653-02	433
		29-09534-20	423	29-09653-03	433
		29-09534-24	423	29-09653-04	433
		29-09534-30	423	29-09657-23	434
		29-09536-16	423	29-09657-25	434
		29-09536-20	423	29-09661-25	434
		29-09536-24	423	29-09665-27	435
		29-09536-30	423	29-09669-24	435
		29-09540-10	423	29-09673-24	435
		29-09540-20	423	29-09677-25	436
		29-09540-24	423	29-09677-26	436
		29-09540-30	423	29-09681-01	436
		29-09543-16	423	29-09681-02	436
		29-09543-20	423	29-09685-00	437
		29-09543-24	423	29-09685-20	437
		29-09543-30	423	29-09685-25	437
				29-09685-26	437

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Cat #	Pg #	Cat #	Pg #	Cat #	Pg #	Cat #	Pg #	Cat #	Pg #	Cat #	Pg #
29-09685-27	437	29-09783-13	447	29-09855-00	457	30-09976-12	463	30-10039-11	468	30-10212-02	472
29-09685-28	437	29-09787-18	448	29-09857-05	458	30-09976-14	463	30-10041-12	468	30-10216-02	472
29-09689-01	437	29-09787-19	448	29-09857-10	458	30-09976-16	463	30-10043-13	468	30-10216-03	472
29-09689-02	437	29-09789-24	448	29-09857-15	458	30-09976-18	463	30-10045-13	468	30-10216-04	472
29-09693-21	438	29-09789-26	448	29-09857-20	458	30-09980-11	463	30-10047-13	468	30-10219-14	473
29-09695-21	438	29-09789-28	448	29-09857-25	458	30-09981-01	464	30-10049-01	468	30-10220-14	473
29-09699-17	438	29-09789-30	448	29-09857-30	458	30-09981-02	464	30-10049-02	468	30-10223-14	473
29-09703-17	438	29-09789-32	448	29-09857-35	458	30-09981-03	464	30-10049-03	468	30-10224-14	473
29-09707-16	439	29-09789-36	448	29-09857-40	458	30-09981-04	464	30-10049-04	468	30-10228-12	473
29-09711-01	439	29-09791-17	449	29-09857-45	458	30-09981-05	464	30-10051-12	468	30-10232-01	473
29-09711-02	439	29-09793-17	449	29-09857-50	458	30-09981-06	464	30-10053-13	468	30-10232-02	473
29-09714-00	440	29-09795-17	449	29-09857-70	458	30-09983-01	464	30-10055-12	468	30-10232-03	473
29-09715-15	440	29-09797-17	449	29-09857-90	458	30-09983-02	464	30-10057-01	468	30-10236-13	473
29-09715-30	440	29-09799-20	450	29-09858-05	458	30-09983-03	464	30-10057-02	468	30-10244-14	473
29-09715-45	440	29-09801-01	450	29-09858-10	458	30-09983-04	464	30-10057-03	468	30-10244-12	473
29-09715-90	440	29-09801-02	450	29-09858-15	458	30-09983-05	464	30-10059-12	468	30-10248-01	473
29-09718-00	440	29-09801-03	450	29-09858-20	458	30-09983-06	464	30-10061-12	469	30-10248-02	473
29-09718-15	440	29-09803-17	450	29-09858-25	458	30-09985-00	464	30-10063-12	469	30-10248-03	473
29-09718-30	440	29-09807-01	451	29-09858-30	458	30-09985-01	464	30-10065-12	469	30-10251-13	473
29-09718-45	440	29-09807-02	451	29-09858-35	458	30-09985-02	464	30-10067-12	469	30-10252-13	473
29-09718-90	440	29-09807-03	451	29-09858-40	458	30-09985-03	464	30-10069-12	469	30-10255-13	473
29-09723-20	441	29-09807-04	451	29-09858-45	458	30-09985-04	464	30-10071-12	469	30-10257-13	473
29-09723-22	441	29-09811-16	451	29-09858-50	458	30-09985-05	464	30-10073-12	469	30-10262-13	473
29-09723-24	441	29-09815-17	451	29-09858-70	458	30-09987-01	464	30-10075-12	469	30-10266-14	473
29-09723-30	441	29-09819-16	452	29-09858-90	458	30-09987-02	464	30-10077-12	469	30-10270-06	474
29-09727-18	441	29-09819-17	452	29-09860-05	458	30-09987-03	464	30-10079-12	469	30-10270-10	474
29-09727-19	441	29-09817-18	452	29-09860-10	458	30-09987-04	464	30-10081-12	469	30-10270-12	474
29-09727-23	441	29-09823-16	452	29-09860-15	458	30-09991-13	464	30-10083-12	469	30-10274-14	474
29-09727-27	441	29-09823-17	452	29-09860-20	458	30-09993-12	464	30-10085-12	469	30-10278-14	474
29-09731-18	442	29-09826-14	453	29-09860-25	458	30-09997-02	465	30-10087-13	469	30-10282-14	474
29-09731-20	442	29-09827-14	453	29-09860-30	458	30-09997-03	465	30-10089-13	469	30-10286-13	474
29-09731-23	442	29-09830-14	453	29-09860-35	458	30-09997-04	465	30-10091-13	469	30-10290-10	474
29-09731-25	442	29-09833-14	453	29-09860-40	458	30-09999-01	465	30-10093-12	469	30-10292-15	474
29-09735-24	442	29-09837-14	453	29-09860-50	458	30-09999-02	465	30-10095-12	469	30-10296-08	474
29-09739-24	443	29-09841-01	454			30-09999-03	465	30-10097-12	470	30-10296-10	474
29-09739-25	443	29-09841-02	454	30		30-09999-04	465	30-10099-13	470	30-10296-12	474
29-09739-26	443	29-09841-03	454	30-09862-07	459	30-10001-01	465	30-10099-13	470	30-10296-14	474
29-09742-21	443	29-09841-04	454	30-09862-09	459	30-10001-02	465	30-10101-13	470	30-10296-16	474
29-09742-23	443	29-09841-05	454	30-09862-09	459	30-10001-03	465	30-10105-12	470	30-10296-18	474
29-09742-27	443	29-09841-06	454	30-09864-07	459	30-10001-04	465	30-10107-12	470	30-10298-08	474
29-09742-31	443	29-09841-07	454	30-09864-09	459	30-10003-01	465	30-10109-12	470	30-10298-10	474
29-09743-21	443	29-09841-08	454	30-09868-08	459	30-10003-02	465	30-10111-12	470	30-10298-12	474
29-09743-23	443	29-09841-09	454	30-09870-08	459	30-10003-03	465	30-10113-12	470	30-10298-14	474
29-09743-27	443	29-09843-01	454	30-09872-08	459	30-10003-04	465	30-10115-13	470	30-10298-16	474
29-09743-31	443	29-09843-02	454	30-09874-03	459	30-10005-01	465	30-10117-12	470	30-10298-18	474
29-09746-12	444	29-09843-03	454	30-09874-04	459	30-10005-02	465	30-10119-13	470	30-10302-09	475
29-09747-12	444	29-09843-04	454	30-09876-04	459	30-10005-03	465	30-10121-13	470	30-10304-09	475
29-09750-14	444	29-09843-05	454	30-09878-07	459	30-10005-04	465	30-10123-13	470	30-10308-13	475
29-09750-16	444	29-09843-06	454	30-09880-03	460	30-10007-01	466	30-10125-13	470	30-10312-14	475
29-09750-18	444	29-09843-07	454	30-09884-03	460	30-10007-02	466	30-10127-13	470	30-10314-14	475
29-09750-20	444	29-09843-08	454	30-09888-06	460	30-10007-03	466	30-10129-14	471	30-10318-13	475
29-09751-14	444	29-09843-09	454	30-09892-07	460	30-10007-04	466	30-10132-10	471	30-10318-14	475
29-09751-16	444	29-09845-01	454	30-09894-07	460	30-10009-13	466	30-10133-12	471	30-10322-13	475
29-09751-18	444	29-09845-02	454	30-09898-07	460	30-10011-13	466	30-10136-12	471	30-10326-13	475
29-09751-20	444	29-09845-03	454	30-09900-07	460	30-10013-13	466	30-10140-01	471	30-10328-13	475
29-09754-16	445	29-09845-04	454	30-09904-05	460	30-10015-13	466	30-10140-02	471	30-10332-13	475
29-09755-16	445	29-09845-05	454	30-09904-07	460	30-10019-01	466	30-10144-12	471	30-10336-01	475
29-09755-14	445	29-09845-06	454	30-09908-05	461	30-10019-02	466	30-10147-13	471	30-10336-02	475
29-09759-14	445	29-09845-07	454	30-09908-07	461	30-10019-03	466	30-10148-13	471	30-10340-01	475
29-09759-15	445	29-09845-08	454	30-09912-08	461	30-10023-12	467	30-10152-13	471	30-10340-02	475
29-09759-16	445	29-09845-09	454	30-09916-06	461	30-10025-13	467	30-10156-13	471	30-10344-12	475
29-09762-17	445	29-09847-01	455	30-09916-09	461	30-10027-01	467	30-10160-13	471	30-10348-16	476
29-09763-17	445	29-09847-02	455	30-09920-04	461	30-10027-02	467	30-10164-13	471	30-10348-20	476
29-09765-17	445	29-09847-03	455	30-09920-05	461	30-10027-03	467	30-10168-01	471	30-10352-05	476
29-09767-17	445	29-09847-04	455	30-09924-08	461	30-10029-04	467	30-10168-02	471	30-10352-10	476
29-09771-16	446	29-09847-05	455	30-09928-07	461	30-10029-05	467	30-10172-01	471	30-10352-15	476
29-09771-17	446	29-09847-06	455	30-09928-08	461	30-10029-06	467	30-10172-02	471	30-10352-18	476
29-09775-01	446	29-09847-07	455	30-09932-08	462	30-10029-07	467	30-10176-12	471	30-10352-25	476
29-09775-02	446	29-09849-01	456	30-09936-08	462	30-10029-08	467	30-10180-12	471	30-10352-35	476
29-09775-03	446	29-09849-02	456	30-09940-05	462	30-10031-01	467	30-10184-13	471	30-10352-40	476
29-09779-14	446	29-09849-03	456	30-09944-07	462	30-10031-02	467	30-10188-12	472	30-10352-45	476
29-09779-16	446	29-09849-04	456	30-09948-06	462	30-10033-01	467	30-10190-13	472	30-10356-10	476
29-09779-18	446	29-09849-05	456	30-09952-08	462	30-10033-02	467	30-10194-12	472	30-10356-20	476
29-09782-12	447	29-09851-32	456	30-09956-07	462	30-10033-03	467	30-10198-13	472	30-10356-25	476
29-09783-10	447	29-09851-64	456	30-09960-04	462	30-10035-05	467	30-10201-12	472	30-10356-30	476
29-09783-11	447	29-09853-00	457	30-09964-13	463	30-10035-06	467	30-10204-12	472	30-10356-35	476
29-09783-12	447	29-09854-00	457	30-09968-13	463	30-10035-07	467	30-10208-12	472	30-10360-01	477
				30-09972-13	463	30-10037-13	468	30-10212-01	472		

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Cat #	Pg #	Cat #	Pg #	Cat #	Pg #
30-10360-02	477	30-10452-67	484	30-10552-10	488
30-10360-03	477	30-10452-78	484	30-10556-10	488
30-10360-04	477	30-10454-00	484	30-10560-07	488
30-10360-05	477	30-10454-01	484	30-10564-09	489
30-10364-13	477	30-10454-02	484	30-10568-09	489
30-10368-13	477	30-10454-03	484	30-10572-10	489
30-10372-01	478	30-10454-12	484	30-10576-10	489
30-10372-02	478	30-10454-23	484	30-10580-11	489
30-10372-03	478	30-10454-34	484	30-10584-11	489
30-10372-04	478	30-10454-45	484	30-10586-11	489
30-10372-05	478	30-10454-56	484	30-10590-01	489
30-10372-06	478	30-10454-67	484	30-10590-02	489
30-10376-01	479	30-10454-78	484	30-10594-10	490
30-10376-02	479	30-10458-05	485	30-10596-10	490
30-10380-01	479	30-10458-07	485	30-10600-09	490
30-10380-02	479	30-10458-10	485	30-10601-09	490
30-10380-03	479	30-10462-12	485	30-10604-10	490
30-10384-01	479	30-10466-12	485	30-10605-10	490
30-10388-01	480	30-10470-13	485	30-10608-10	490
30-10388-02	480	30-10474-12	485	30-10609-10	490
30-10388-03	480	30-10478-12	485	30-10612-10	490
30-10392-01	480	30-10482-01	485	30-10613-10	490
30-10392-02	480	30-10482-02	485	30-10616-10	491
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30-10396-02	480	30-10486-02	485	30-10620-10	491
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30-10400-03	481	30-10498-01	486	30-10628-07	492
30-10400-04	481	30-10498-02	486	30-10628-10	492
30-10400-05	481	30-10498-03	486	30-10632-09	492
30-10400-06	481	30-10500-13	486	30-10634-09	492
30-10400-07	481	30-10502-10	486	30-10638-07	493
30-10400-08	481	30-10506-10	486	30-10640-07	493
30-10401-06	481	30-10508-10	486	30-10642-10	493
30-10404-00	482	30-10510-10	486	30-10646-08	493
30-10406-00	482	30-10514-10	486	30-10648-08	493
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30-10446-02	484	30-10528-10	487	30-10672-10	495
30-10450-01	484	30-10528-11	487	30-10673-10	495
30-10450-02	484	30-10532-01	487	30-10675-10	495
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30-10450-22	484	30-10532-05	487	30-10684-10	495
30-10450-33	484	30-10532-06	487	30-10685-10	495
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30-10450-66	484	30-10532-09	487	30-10691-10	495
30-10450-77	484	30-10532-10	487	30-10693-10	495
30-10450-88	484	30-10532-11	487	30-10696-10	495
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30-10452-34	484	30-10536-02	487	30-10717-01	496
30-10452-45	484	30-10540-10	488	30-10717-02	496
30-10452-56	484	30-10544-08	488	30-10721-07	496
		30-10548-10	488	30-10723-07	496

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Cat #	Pg #	Cat #	Pg #	Cat #	Pg #
31-10928-00	506	31-11018-60	511		
31-10932-30	506	31-11022-00	512		
31-10932-40	506	31-11022-01	512		
31-10932-50	506	31-11022-40	512		
31-10936-33	506	31-11022-45	512		
31-10940-20	506	31-11022-50	512		
31-10944-21	506	31-11022-55	512		
31-10948-00	507	31-11022-60	512		
31-10952-00	507	31-11026-00	512		
31-10956-00	507	31-11026-01	512		
31-10960-00	507	31-11026-40	512		
31-10964-00	508	31-11026-45	512		
31-10968-15	508	31-11026-50	512		
31-10968-19	508	31-11026-55	512		
31-10972-14	508	31-11026-60	512		
31-10976-40	509	31-11030-16	513		
31-10976-45	509	31-11032-27	513		
31-10976-50	509	31-11036-15	513		
31-10976-55	509	31-11040-16	513		
31-10976-60	509	31-11044-00	514		
31-10978-40	509	31-11044-01	514		
31-10978-45	509	31-11044-50	514		
31-10978-50	509	31-11044-60	514		
31-10978-55	509	31-11044-70	514		
31-10978-60	509	31-11046-00	514		
31-10980-40	509	31-11046-01	514		
31-10980-45	509	31-11046-50	514		
31-10980-50	509	31-11046-60	514		
31-10980-55	509	31-11046-70	514		
31-10980-60	509	31-11050-01	515		
31-10982-50	509	31-11050-02	515		
31-10982-55	509	31-11050-03	515		
31-10982-60	509	31-11052-01	515		
31-10984-35	509	31-11052-02	515		
31-10984-40	509	31-11052-03	515		
31-10984-45	509	31-11054-01	515		
31-10984-50	509	31-11054-02	515		
31-10984-55	509	31-11054-03	515		
31-10984-60	509	31-11056-01	515		
31-10984-65	509	31-11056-02	515		
31-10984-70	509	31-11056-03	515		
31-10986-35	509	31-11060-00	516		
31-10986-40	509	31-11060-01	516		
31-10986-45	509	31-11060-21	516		
31-10986-50	509	31-11060-22	516		
31-10986-55	509	31-11060-23	516		
31-10986-60	509	31-11062-00	516		
31-10986-65	509	31-11062-01	516		
31-10986-70	509	31-11064-00	516		
31-10988-35	509	31-11064-01	516		
31-10988-40	509	31-11066-00	516		
31-10988-45	509	31-11066-01	516		
31-10988-50	509	31-11070-24	517		
31-10988-55	509	31-11074-25	517		
31-10988-60	509	31-11078-15	517		
31-10988-65	509	31-11080-15	517		
31-10988-70	509	31-11082-15	517		
31-10990-50	509	31-11086-16	517		
31-10992-70	509	31-11090-01	517		
31-10994-01	510	31-11090-02	517		
31-10998-00	510	31-11090-03	517		
31-10998-01	510	31-11090-04	517		
31-10998-05	510	31-11090-05	517		
31-11002-00	510	31-11094-21	518		
31-11002-01	510	31-11098-22	518		
31-11006-00	510	31-11102-25	518		
31-11006-01	510	31-11106-20	518		
31-11010-00	511	31-11108-20	518		
31-11010-01	511	31-11112-21	518		
31-11014-00	511	31-11116-21	519		
31-11014-01	511	31-11120-18	519		
31-11018-00	511	31-11120-24	519		
31-11018-01	511	31-11124-19	519		
31-11018-40	511	31-11124-24	519		
31-11018-45	511	31-11128-20	519		
31-11018-50	511	31-11132-21	519		
31-11018-55	511	31-11136-17	520		

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Cat #	Pg #	Cat #	Pg #	Cat #	Pg #	Cat #	Pg #	Cat #	Pg #	Cat #	Pg #
31-11136-20	520	31-11244-03	526	31-11298-03	529	31-11358-03	533	32-11426-03	539	32-11478-02	547
31-11136-28	520	31-11244-05	526	31-11298-05	529	31-11360-01	533	32-11428-01	539	32-11478-03	547
31-11140-01	520	31-11246-03	526	31-11300-03	529	31-11360-02	533	32-11428-02	539	32-11478-04	547
31-11140-02	520	31-11246-05	526	31-11300-05	529	31-11360-03	533	32-11428-03	539	32-11478-05	547
31-11140-03	520	31-11248-03	526	31-11302-03	529	31-11362-01	533	32-11428-04	539	32-11482-01	548
31-11140-04	520	31-11248-05	526	31-11302-05	529	31-11362-02	533	32-11430-01	540	32-11482-02	548
31-11142-01	520	31-11250-03	526	31-11304-03	529	31-11362-03	533	32-11430-02	540	32-11482-03	548
31-11142-02	520	31-11250-05	526	31-11304-05	529	31-11364-01	533	32-11430-03	540	32-11482-04	548
31-11142-03	520	31-11252-00	526	31-11304-03	529	31-11364-02	533	32-11432-00	541	32-11482-05	548
31-11142-04	520	31-11252-01	526	31-11304-05	529	31-11364-03	533	32-11432-01	541	32-11482-06	548
31-11144-08	520	31-11252-02	526	31-11306-03	529	31-11366-01	533	32-11432-02	541	32-11482-07	548
31-11144-11	520	31-11252-03	526	31-11306-05	529	31-11366-02	533	32-11432-03	541	32-11482-08	548
31-11144-14	520	31-11252-04	526	31-11310-01	530	31-11366-03	533	32-11432-04	541	32-11484-01	548
31-11144-17	520	31-11252-05	526	31-11310-02	530	31-11368-01	533	32-11434-01	541	32-11484-02	548
31-11144-20	520	31-11254-00	526	31-11310-03	530	31-11368-02	533	32-11434-02	541	32-11484-03	548
31-11144-25	520	31-11254-01	526	31-11312-01	530	31-11368-03	533	32-11434-03	541	32-11484-04	548
31-11148-08	520	31-11254-02	526	31-11312-02	530	31-11370-01	533	32-11434-04	541	32-11484-05	548
31-11148-11	520	31-11254-03	526	31-11312-03	530	31-11370-02	533	32-11348-01	542	32-11484-06	548
31-11148-14	520	31-11254-04	526	31-11314-01	530	31-11370-03	533	32-11438-02	542	32-11484-07	548
31-11148-17	520	31-11254-05	526	31-11314-02	530	31-11372-01	533	32-11438-03	542	32-11484-08	548
31-11152-09	521	31-11256-00	526	31-11314-03	530	31-11372-02	533	32-11438-04	542	32-11488-01	549
31-11152-13	521	31-11256-01	526	31-11316-01	530	31-11372-03	533	32-11438-05	542	32-11488-02	549
31-11152-18	521	31-11256-02	526	31-11316-02	530	31-11374-01	533	32-11440-01	542	32-11488-03	549
31-11152-22	521	31-11256-03	526	31-11316-03	530	31-11374-02	533	32-11440-02	542	32-11488-04	549
31-11156-12	521	31-11256-04	526	31-11318-01	530	31-11374-03	533	32-11440-03	542	32-11488-05	549
31-11156-17	521	31-11256-05	526	31-11318-02	530	31-11376-01	533	32-11440-04	542	32-11488-06	549
31-11160-14	521	31-11260-03	527	31-11318-03	530	31-11376-02	533	32-11444-01	543	32-11488-07	549
31-11160-17	521	31-11260-05	527	31-11320-01	530	31-11376-03	533	32-11444-02	543	32-11488-08	549
31-11160-20	521	31-11262-03	527	31-11320-02	530	31-11378-02	534	32-11448-01	543	32-11488-09	549
31-11164-01	521	31-11262-05	527	31-11320-03	530	31-11378-03	534	32-11448-02	543	32-11488-10	549
31-11164-02	521	31-11264-03	527	31-11322-01	530	31-11378-04	534	32-11448-03	543	32-11488-11	549
31-11164-03	521	31-11264-05	527	31-11322-02	530	31-11382-16	534	32-11448-04	543	32-11488-12	549
31-11168-21	521	31-11266-03	527	31-11322-03	530	31-11386-35	535	32-11450-01	543	32-11488-13	549
31-11172-03	522	31-11266-05	527	31-11324-01	530	31-11390-65	535	32-11450-02	543	32-11488-14	549
31-11172-05	522	31-11268-03	527	31-11324-02	530	31-11392-90	535	32-11450-03	543	32-11492-01	550
31-11172-07	522	31-11268-05	527	31-11324-03	530	31-11396-01	536	32-11450-04	543	32-11492-02	550
31-11174-03	522	31-11270-03	527	31-11326-01	530	31-11396-02	536	32-11454-11	544	32-11492-03	550
31-11174-05	522	31-11270-05	527	31-11326-02	530	31-11396-03	536	32-11456-10	544	32-11492-04	550
31-11174-07	522	31-11272-03	527	31-11326-03	530	31-11396-04	536	32-11456-18	544	32-11492-05	550
31-11177-07	522	31-11272-05	527	31-11330-01	531	31-11396-05	536	32-11460-05	544	32-11492-06	550
31-11177-09	522	31-11274-03	527	31-11330-02	531	31-11398-01	536	32-11460-10	544	32-11494-01	550
31-11179-07	522	31-11274-05	527	31-11330-03	531	31-11398-02	536	32-11460-15	544	32-11494-02	550
31-11179-08	522	31-11278-03	528	31-11332-01	531	31-11398-03	536	32-11464-01	544	32-11494-03	550
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31-11182-01	523	31-11278-05	528	31-11334-01	531	31-11402-01	536	32-11470-01	545	32-11494-06	550
31-11182-02	523	31-11280-03	528	31-11334-02	531	31-11402-02	536	32-11470-02	545	32-11496-01	550
31-11182-03	523	31-11280-04	528	31-11334-03	531	31-11402-03	536	32-11470-03	545	32-11496-02	550
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31-11184-19	523	31-11282-03	528	31-11336-02	531	31-11402-05	536	32-11470-05	545	32-11496-04	550
31-11184-28	523	31-11282-04	528	31-11336-03	531	31-11404-01	536	32-11470-06	545	32-11496-05	550
31-11188-17	523	31-11282-05	528	31-11338-01	531	31-11404-02	536	32-11470-07	545	32-11496-06	550
31-11188-21	523	31-11284-03	528	31-11338-02	531	31-11404-03	536	32-11470-08	545	32-11500-01	551
31-11188-14	523	31-11284-04	528	31-11338-03	531	31-11404-04	536	32-11470-09	545	32-11500-02	551
31-11190-14	523	31-11284-05	528	31-11340-01	531	31-11404-05	536	32-11470-10	545	32-11500-03	551
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