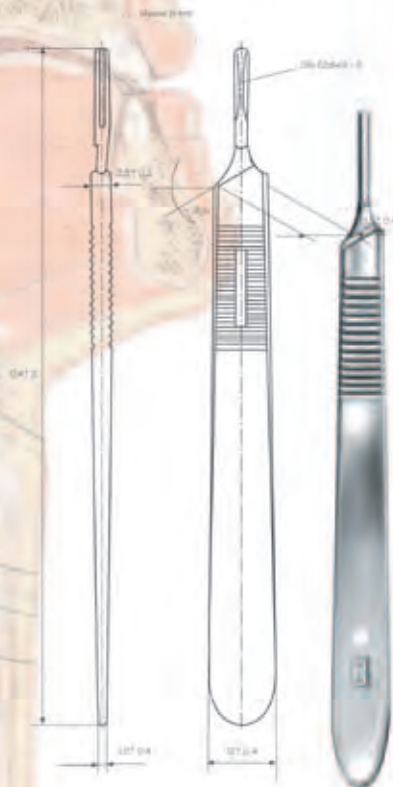
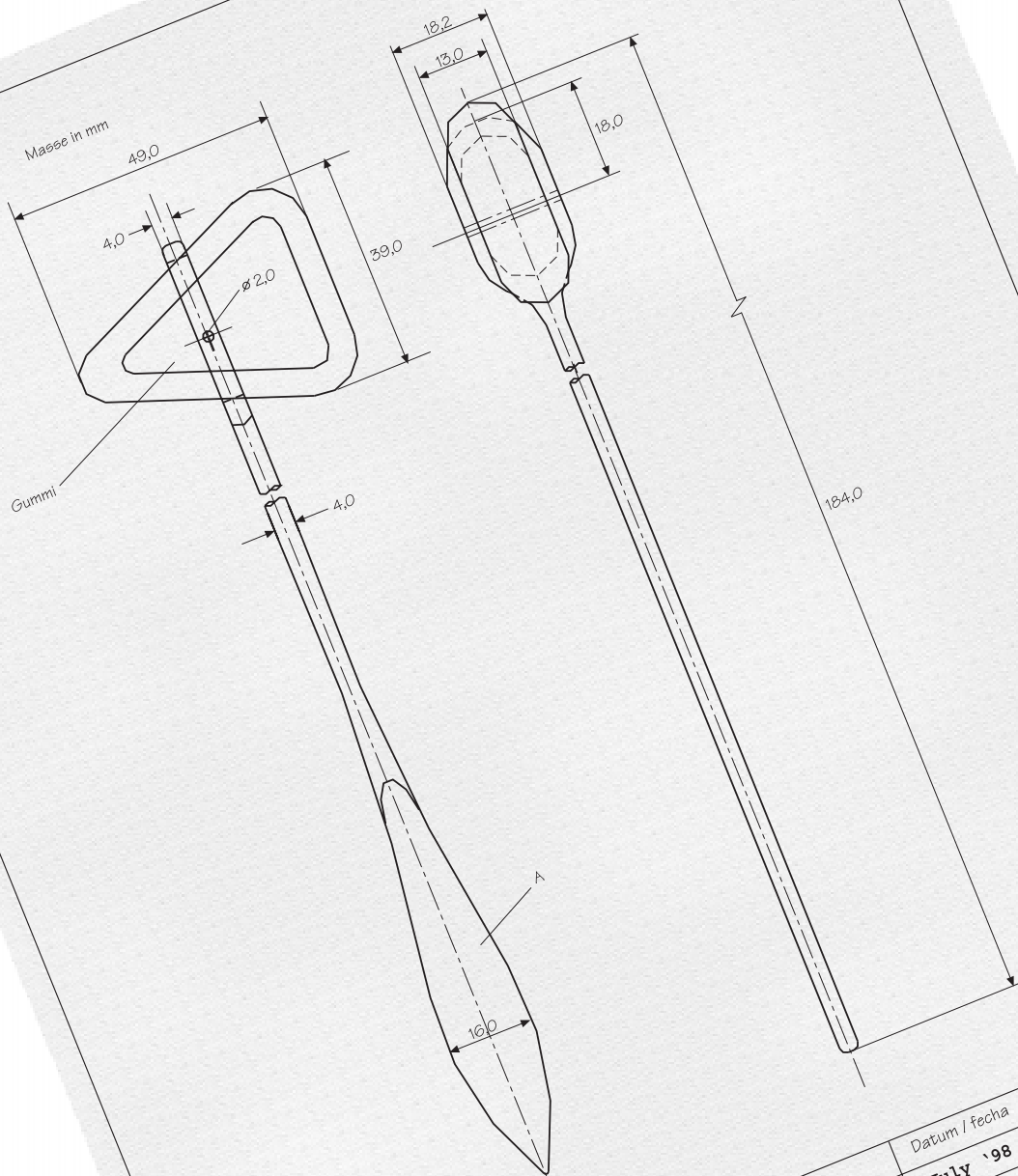
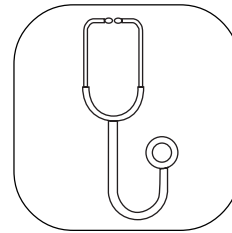




DEWIMED®

General Catalogue
Catálogo General
Generalkatalog





GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
		July '98	cvd/jvd	1
		July '98	cvd	1:1
		June '99	mj	mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo
F				
Stainless Steel				
inoxidable				



02.102.00
complete



02.110.00
economic
02.112.00
complete



02.122.00
complete



02.132.00
complete



COLLIN
02.140.01
adult
02.140.02
child



FRANCKE
02.145.00



02.147.00



VARIFOCAL
02.160.00
MAY
02.162.00



02.170.00
combination



02.172.00

universal

02.173.00

economic universal



02.174.00

otoscope



head lights



ZIEGLER
02.180.90
complete

02.180.91



02.180.92



CLAR
02.190.00
complete
6V



02.190.01



CLAR
02.190.02
complete
3V



RI-CLAR
02.191.00
complete, 7v
with AC-adaptor 110 v
headmirror 100 mm
02.192.00
complete, 7V
with AC-adaptor 220 v
headmirror 100 mm



CLAR
02.195.00
complete
6V



02.195.01
mirror replacement only
02.195.02
head band replacement only



CLAR
02.195.03
complete
3V



RI-CLAR
02.196.00
complete 7V
with AC-adapter 110 v
headmirror 55mm
02.197.00
complete, 7v
with AC-adapter de 220 v
headmirror 55 mm



02.199.06
6V



BOWLES
02.240.00



FORD
02.242.00



FORD BOWLES
02.244.00



DUPLEX
02.246.00



PINARD
02.260.15
aluminium
15 cm



PINARD
02.262.18
wood
18 cm



DE LEE HILLIS
02.280.00



<i>cm</i>	
17	02.288.17
20	02.288.20

TAYLOR



TRAUBE
02.290.16



BABINSKY
02.292.22
22 cm



TROEMNER
02.294.24
24 cm





DEJERINE
02.302.20



DEJERINE
02.304.20



BERLINER
02.306.17



BUCK
02.308.18



BERTILLON
02.310.01
cephalometer



MOELTGEN
02.312.01
goniometer



02.318.00

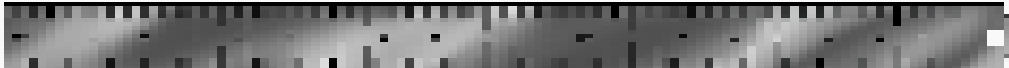


02.318.02



WARTENBERG
02.320.19
pinwheel
19 cm

rulers, metal



02.340.10 - 02.340.50

10 cm / 4 "	02.340.10
15 cm / 6 "	02.340.15
20 cm / 8 "	02.340.20
25 cm / 10 "	02.340.25
30 cm / 12 "	02.340.30
40 cm / 16 "	02.340.40
50 cm / 20 "	02.340.50



15 cm



02.350.15
150 cm



02.352.15
150 cm





ANDREAS VESALIUS

1514 -1564

A huge contribution to medical science, specially to surgery science is thanks to the first scientific anatomist Andreas Vesalius.

Andreas Vesalius was born in Brussels, Belgium in 1514. He studied medicine in Paris 1533 and obtained his doctorate 1537 in Padua.

Being still a student, Vesalius was very dedicated to the detailed dissection of bodies and made exact illustrations and descriptions about his discoveries.

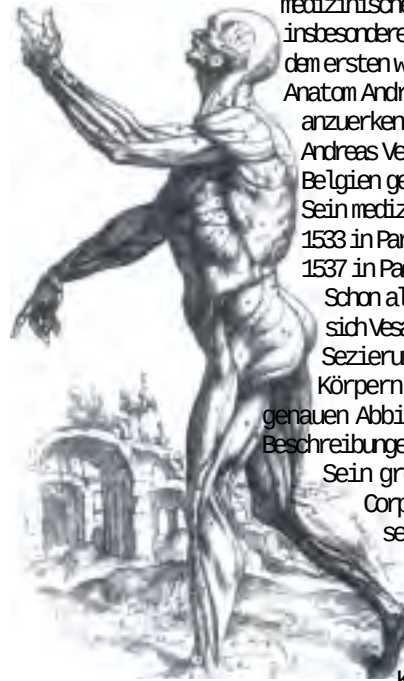
His great piece of work "Humanis Corporis Fabrica", in which he publishes his first anatomic atlas, eliminates many of the errors about the human body which were common in those days.

Toda la ciencia médica, y en particular la cirugía está en deuda con el primero de los anatomistas científicos, Andreas Vesalius. Nació en Bruselas, Bélgica en 1514.

Cursó sus estudios de medicina en París en 1533.

Obtiene su doctorado en Padua en 1537.

Siendo estudiante de medicina, comenzó a hacer disecciones detalladas y precisas de anatomía humana junto con sus descripciones cuidadosas e ilustraciones realistas. Con su gran obra "Humanis Corporis Fabrica", en la cual publica su primer atlas de anatomía, enmendó muchos errores que por mil años se habían pasado por alto.



"Humanis Corporis Fabrica"

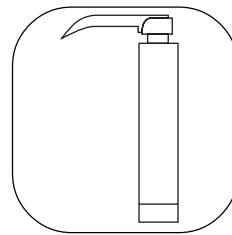
Ein großer Beitrag in der medizinischen Wissenschaft, insbesondere in der chirurgischen, ist dem ersten wissenschaftlichen Anatom Andreas Vesalius anzuerkennen.

Andreas Vesalius ist 1514 in Brüssel, Belgien geboren.

Sein medizinisches Studium hat er 1533 in Paris absolviert und erhielt 1537 in Padua seinen Dokortitel.

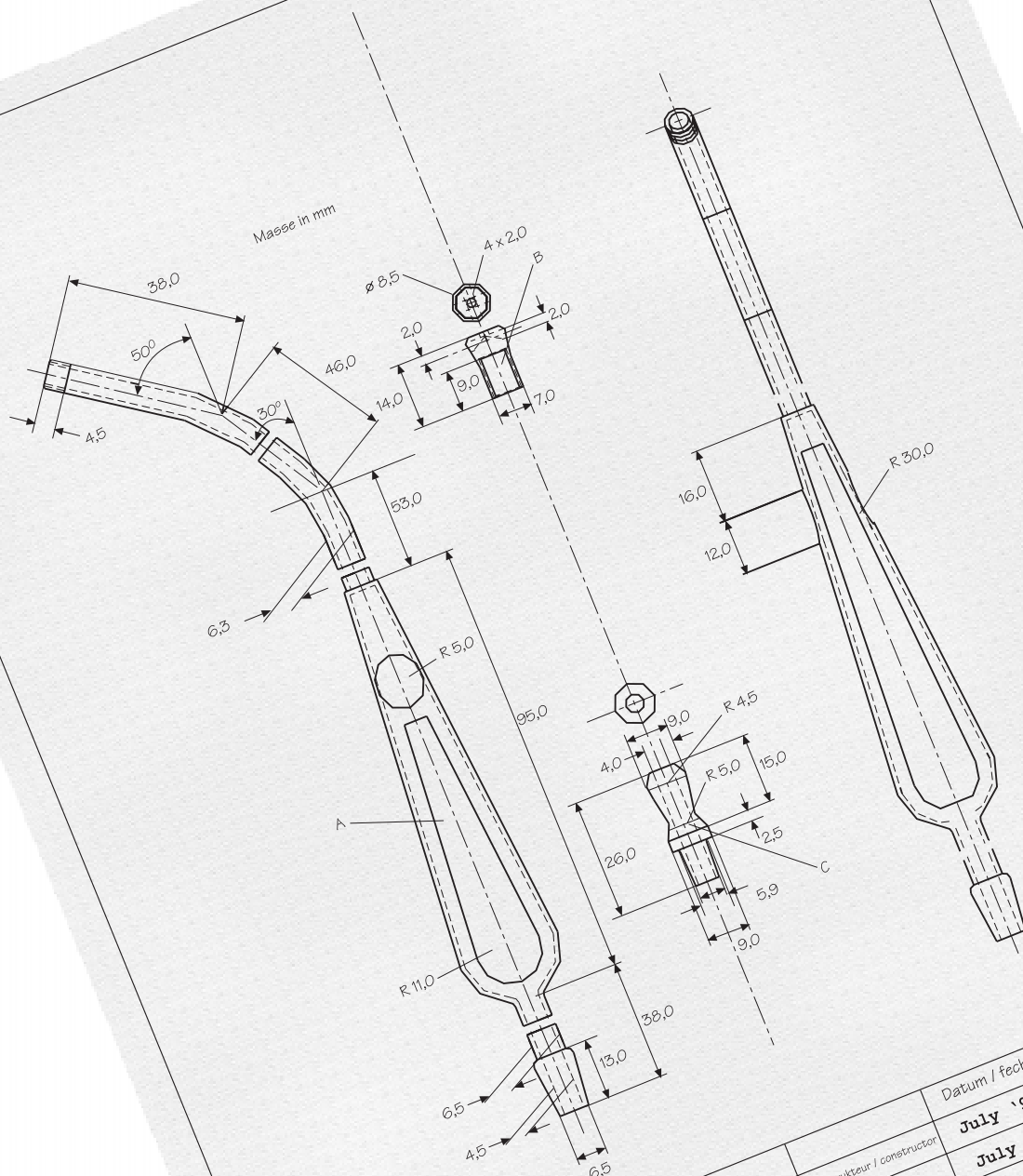
Schon als Student beschäftigte sich Vesalius mit der detaillierten Sezierung von menschlichen Körpern und den dazugehörigen genauen Abbildungen und Beschreibungen.

Sein großes Werk "Humanis Corporis Fabrica", in dem er seinen ersten anatomischen Atlas veröffentlicht, hat viele Fehler der damaligen Erkenntnisse über den menschlichen Körper (Galenische Theorien) behoben.



04

Anesthesia
Anestesia
Anaesthesia



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F		July '98	cvd/jvd	1
F		July '98	cvd	1:1
F		June '99	mj	mm
Stainless Steel		Artikel / artículo		
Acero inoxidable		Artikel-Nr. / No. de artículo		

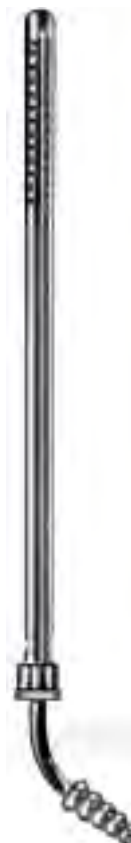




ANTHONY
04.120.02
2 mm
04.120.03
3 mm



POOLE
04.130.10
ø 10 mm
30 Fr.



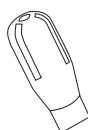
POOLE
04.140.08
ø 8 mm
23 Fr.



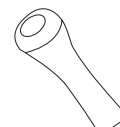
YANKAUER
04.150.27
27 cm



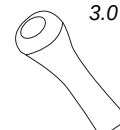
DE BAKEY
04.154.27



MAGILL
04.155.99
stylet for aspiration
tubes



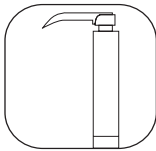
04.155.30
3.0 mm



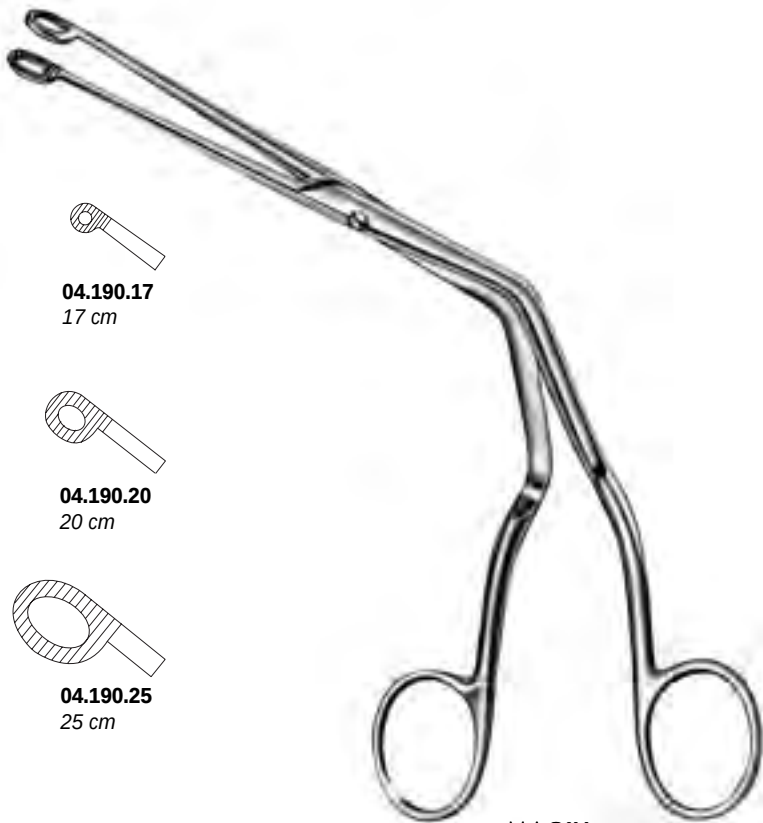
04.155.35
3.5 mm



04.155.40
4.0 mm



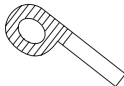
MILLIN
04.157.00



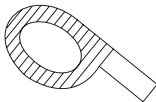
MAGILL
04.190.17 - 04.190.25



04.190.17
17 cm



04.190.20
20 cm



04.190.25
25 cm



McINTOSH

set / 3	04.203.00
set / 3 c.l.	04.203.01
set / 4	04.204.00
set / 4 c.l.	04.204.01





fig. 0



fig. 1



fig. 2



fig. 3



fig. 4

McINTOSH

	cm	normal	cold light
fig. 0	5.5	04.210.00	04.211.00
fig. 1	7.5	04.210.01	04.211.01
fig. 2	9.0	04.210.02	04.211.02
fig. 3	11.0	04.210.03	04.211.03
fig. 4	13.5	04.210.04	04.211.04



fig. 0



fig. 1



fig. 2



fig. 3

FOREGGER

	cm	
fig. 0	7.0	04.220.01
fig. 1	9.0	04.220.02
fig. 2	11.0	04.220.03
fig. 3	13.5	04.220.04



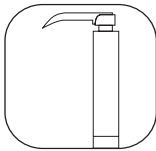
FOREGGER

04.223.00

fig 2 - 4

04.224.00

fig 1 - 4



GUEDEL NEGUS
04.224.01



GUEDEL NEGUS
04.224.02



MILLER
04.225.00
laryngoscope set



MILLER
04.226.00 - 04.226.04

	mm	
fig. 0	55	04.226.00
fig. 1	80	04.226.01
fig. 2	130	04.226.02
fig. 3	170	04.226.03
fig. 4	180	04.226.04



ø mm

28	04.234.28
37	04.234.37



cold light
04.238.01



04.239.01



04.239.02



04.240.00





ETHER

Throughout history of medicine, many substances or preparations have been found to alleviate the pain involved in surgical procedures.

Ether ($\text{CH}_3\text{CH}_2\text{O}$), was discovered in 1275 by the Spanish chemist Raymundus Lullius, he called it "Sweet Vitriol".

In 1540 the Swiss physician and alchemist Paracelsus discovered the hypnotic effects of "Sweet Vitriol".

W. G. Frobenius changes in 1730 the name of "Sweet Vitriol" to "Ether".

The first surgical anesthetic use of ether is credited to Dr. Crawford Williamson Long. He used ether for minor surgery.

Dr. Long did not publish his results until 1848, but this was well after Morton W.G.T.'s demonstration.

The first successful demonstration of ether anesthesia occurred at the Massachusetts General Hospital on October 16, 1846 administered by Morton.



Im Verlauf der Medizingeschichte wurden viele Substanzen und Präparate zur Linderung von Schmerzen bei Chirurgen angewendet. Die Substanz Äther ($\text{CH}_3\text{CH}_2\text{O}$) wurde 1275 von Raymundus Lullius entdeckt. Der spanische Alchemist nennt diese Substanz "Süßes Vitriol". 1540 erforschte der Schweizer Physiker und Alchemist Paracelsus die hypnotische Wirkung des "Süßen Vitriol".

W.G. Frobenius, deutscher Wissenschaftler, taufte 1730 das "Süße Vitriol" auf "Äther" um.

Der erste Anwender von Äther als Anästhetikum war Dr. Crawford Williamson Long. Er wandte es bei kleineren Operationen an. Long veröffentlichte seine Resultate erst im Jahre 1848, lange Zeit nach der ersten erfolgreichen Demonstration von W.T.G. Morton.

W.T.G. Morton applizierte erfolgreich Äther als Betäubungsmittel am 16. Oktober 1846 im General Hospital of Massachusetts.

A través de la historia de la medicina, se han aplicado diferentes tipos de sustancias o preparaciones para aliviar el dolor ocasionado en procedimientos quirúrgicos.

El éter ($\text{CH}_3\text{CH}_2\text{O}$) fue descubierto en 1275 por Raymundus Lullius. Un alquimista español que denominó la sustancia descubierta "Vitriolo Dulce".

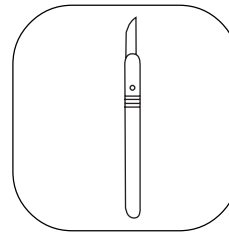
En 1540 Paracelsus, físico y alquimista suizo, descubre los efectos hipnóticos del "Vitriolo Dulce".

Es hasta en 1730, que el científico alemán W.G. Frobenius cambia el nombre de "Vitriolo Dulce" a "éter".

La primera aplicación anestésica del éter en cirugía fue hecha por Dr. Crawford Williamson Long. Usaba éter en cirugías menores. No publicó sus resultados hasta en 1848.

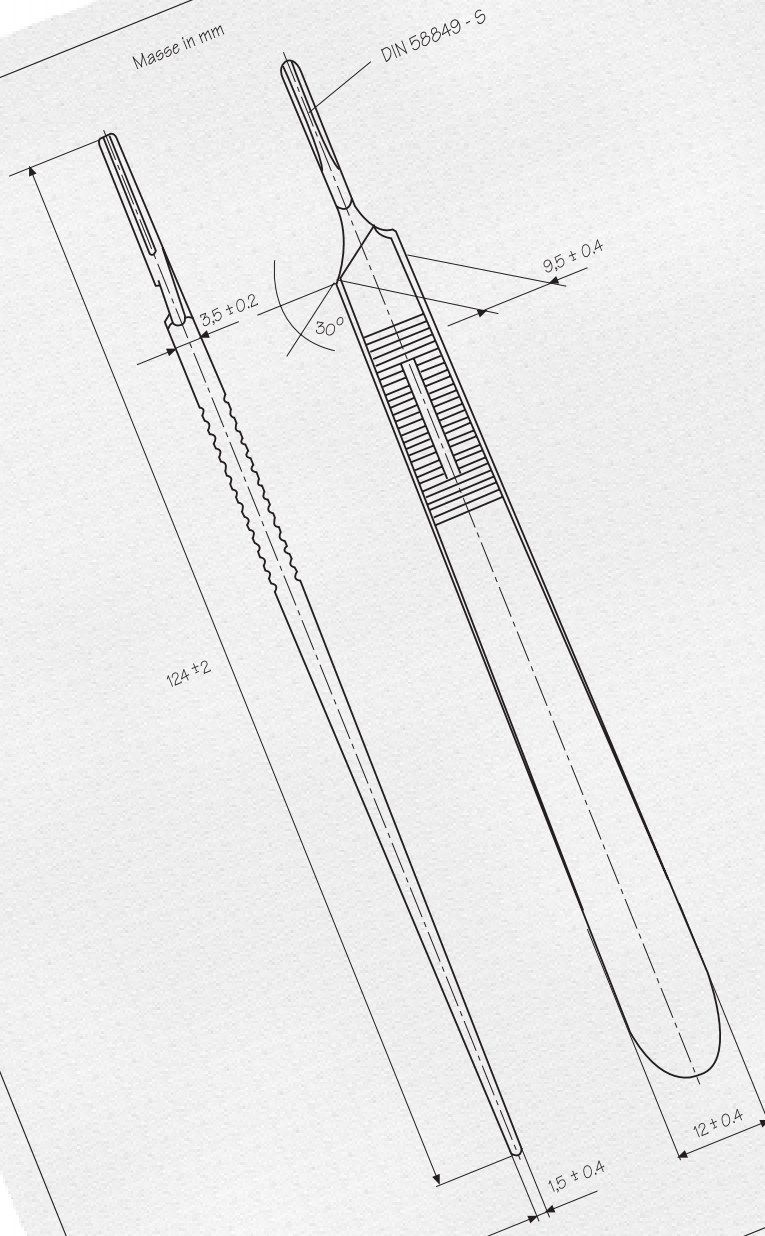
Sin embargo esto fue tiempo después de la demostración de W.T.G. Morton.

La primera demostración exitosa en la aplicación de éter como anestesia fue en el Hospital General de Massachusetts el 16 de octubre de 1846 administrado por Morton.



06

General Surgery
Cirugía General
Allgemeine Chirurgie



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F	Konstrukteur / constructor	July '98	cvd/jvd	1
	gezeichnet / dibujado	July '98	cvd	Maasstab / escala 1:1
	geprüft / verificado	June '99	mj	Abt. / acot. mm
	Toleranz / tolerancia			Artikel-Nr. / No. de
Stainless Steel inoxidable				





06.103.00
fig. 3

06.103.01
fig. 3
graduated

06.103.02
fig. 3 L

06.103.03
fig. 3 R

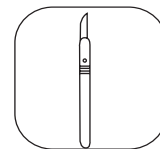
06.104.00
fig. 4

06.104.02
fig. 4 L

06.105.00
fig. 5
06.107.00
fig. 7

06.107.01
fig. 7 K

06.108.00
fig. 8



in packages of 100 ea



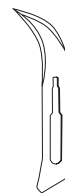
06.110.00



06.111.00



06.112.00



06.112.02



06.113.00



06.114.00



06.115.00



06.115.01



06.116.00



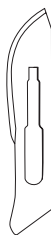
06.117.00



06.118.00



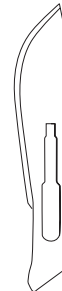
06.119.00



06.120.00



06.121.00



06.122.00



06.123.00



06.124.00



06.124.02



06.125.00



06.134.00



06.136.00



06.136.02





06.210.00 - 06.215.01
in packages of 10 ea



06.210.00
fig. 10



06.211.00
fig. 11



06.212.00
fig. 12



06.212.02
fig. 12d



06.213.00
fig. 13



06.215.00
fig. 15



06.215.01
fig. 15c



06.218.00
fig. 18



06.219.00
fig. 19



06.220.00
fig. 20



06.221.00
fig. 21



06.222.00
fig. 22



06.223.00
fig. 23



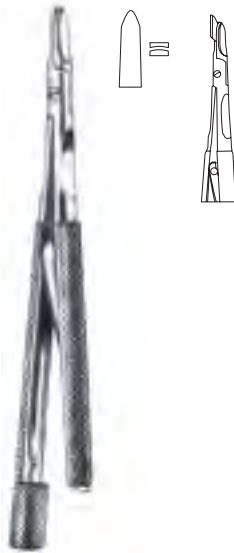
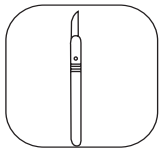
06.224.00
fig. 24



06.225.00
fig. 25



06.218.00 - 06.225.00
in packages of 10 ea



TROUTMAN CHRIS
06.290.09
9 cm



06.291.11
11 cm



CASTROVIEJO
06.294.13
13 cm



06.295.00
11 cm



06.296.00
package of 10 ea



06.302.13



06.304.15



06.306.18



06.308.20





06.402.01

06.402.02

06.402.03

06.402.04

06.402.05

06.402.06

06.402.07

06.402.08

06.402.09

06.402.10

06.402.01 - 06.402.10



06.408.01

06.408.02

PARKER
06.408.01 - 06.408.02



LANGENBECK

06.410.05

resection knife

*length of blade = 5.5 cm
18 cm*

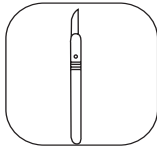


LANGENBECK

06.412.05

resection knife

*length of blade = 5.5 cm
18 cm*



amputating knives



cm

13	06.420.13
16	06.420.16
19	06.420.19
22	06.420.22
28	06.420.28

06.420.13 - 06.420.28



cm

17	06.430.17
20	06.430.20

LISTON
06.430.17 - 06.430.20



HUMBY
06.480.00
dermatome
31 cm



HUMBY
06.480.01



SCHINK
06.490.00
dermatome
30 cm



06.490.01





06.490.02



06.494.00
razor



06.496.10
razor



ARKANSAS
06.499.00
oil stone
150 x 50 mm



VIRCHOW
06.960.25
cartilage, brain knife



cm

16	06.980.16
20	06.980.20
24	06.980.24

06.980.16 - 06.980.24
cartilage, brain knife





DewiCut



DewiCut

Excellent cutting efficiency

- Stainless Steel and Tungsten Carbide (TC)
- Extra hardened for lasting performance
- The DewiCut scissor guarantees a fine minimally traumatizing cut

DewiCut Tungsten Carbide (TC)

The Tungsten Carbide inserts are for smooth and controlled cutting
longlife cutting and solid and soft function.

DewiCut

Alta eficiencia de corte

- En acero inoxidable y carburo de tungsteno (TC)
- Endurecido para proporcionar al instrumento rendimiento permanente
- Las tijeras DewiCut garantizan un corte fino mínimamente traumatizante

DewiCut carburo de tungsteno (TC)

Los filos de carburo de tungsteno proporcionan corte altamente agudo
filo duradero y accionamiento suave con corte exacto.

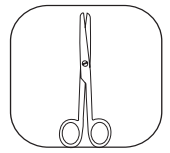
DewiCut

Optimale Schneidefähigkeit

- Aus Edelstahl und Hartmetall (TC)
- Extra gehärtet für dauerhafte Leistung
- Die DewiCut Schere gewährleistet einen feinen minimal traumatisierenden Schnitt

DewiCut Hartmetall (TC)

Die Hartmetalleinsätze garantieren einen scharfen Operationsschnitt, verlässlichen
Dauerschleiff und exakten aber weichen Gang.

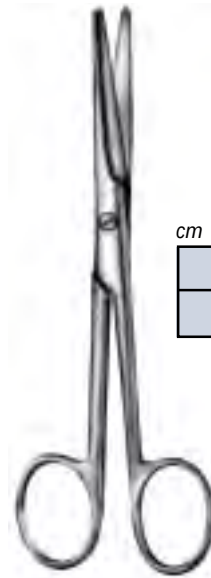


07.110.14



07.111.14

07.110.14 - 07.111.14
14.5 cm



cm

14.5	07.160.14	07.161.14
17.0	07.160.17	07.161.17

MAYO
07.160.14 - 07.161.17



07.160.23



07.161.23

MAYO HARRINGTON
07.160.23 - 07.161.23
23 cm



07.164.17 TC

07.165.17 TC

MAYO
07.164.17 TC - 07.165.17 TC
17 cm

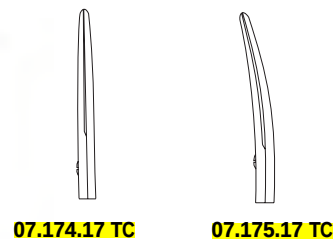




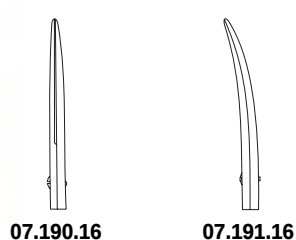
cm

15	07.170.15	07.171.15
17	07.170.17	07.171.17

MAYO STILLE
07.170.15 - 07.171.17



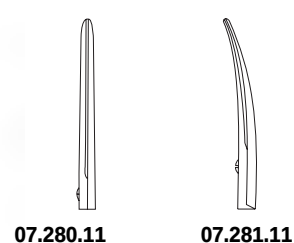
MAYO STILLE
07.174.17 TC - 07.175.17 TC
17 cm



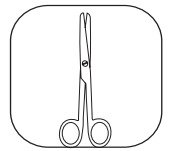
LEXER
07.190.16 - 07.191.16
16 cm



LEXER
07.195.16 TC
16 cm



METZENBAUM baby
07.280.11 - 07.281.11
11.5 cm



cm

15	07.280.15	07.281.15
18	07.280.18	07.281.18
20		07.281.20
23	07.280.23	07.281.23

METZENBAUM
07.280.15 - 07.281.23



cm

15	07.282.15	07.283.15
18		07.283.18
23		07.283.23

METZENBAUM
07.282.15 - 07.283.23



cm

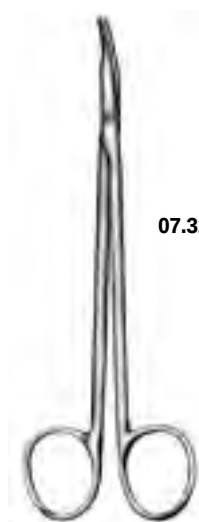
15	07.285.15 TC
18	07.285.18 TC
23	07.285.23 TC

METZENBAUM
07.285.15 TC - 07.285.23 TC



METZENBAUM
07.287.18 TC
18 cm





07.320.15



07.321.15



REYNOLDS

07.320.15 - 07.321.15

15 cm



07.340.11



07.341.11

07.340.11 - 07.341.11

10.5 cm



07.344.11 TC



07.345.11 TC

07.344.11 TC - 07.345.11 TC

11.5 cm



07.362.11



07.363.11



STEVENS

07.362.11 - 07.363.11

10.5 cm



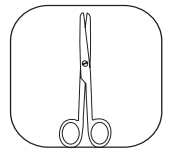
07.374.11 TC



07.375.11 TC

07.374.11 TC - 07.375.11 TC

12 cm



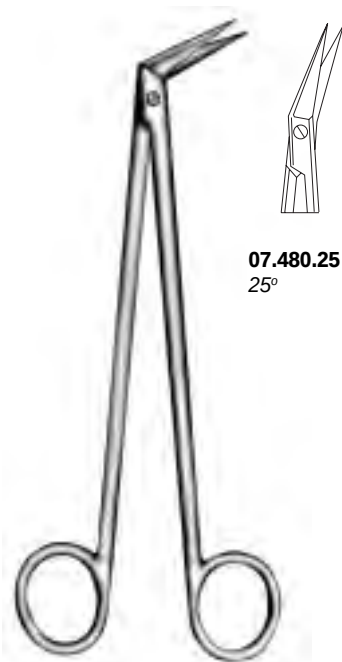
HEYMANN
07.401.18
17 cm



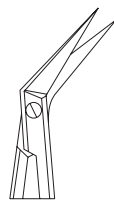
FOMON
07.403.15
13 cm



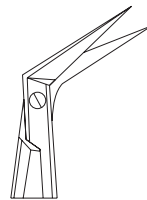
COTTLE
07.405.16
16 cm



07.480.25
25°

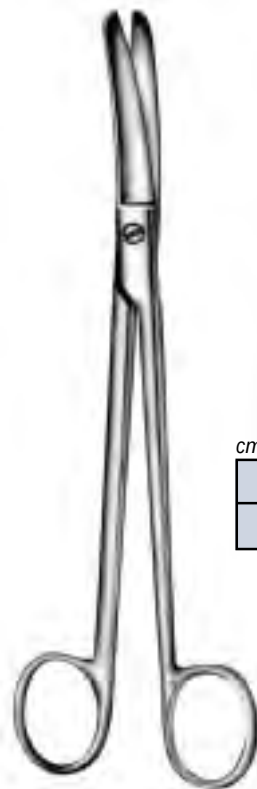


07.480.45
45°



07.480.60
60°

POTTS SMITH
07.480.25 - 07.480.60
19 cm



SIMS
07.510.20 - 07.511.23

cm		
20	07.510.20	07.511.20
23		07.511.23

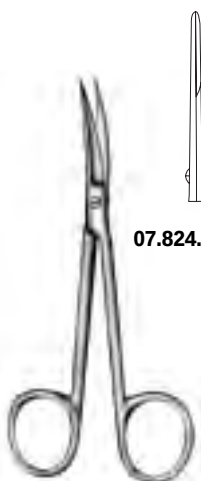




SIEBOLD
07.523.24
24.5 cm



BRAUN STADLER
07.560.14
15 cm
07.560.22
21 cm



07.824.12



07.825.12

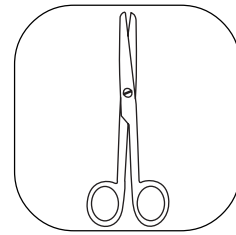
WAGNER
07.824.12 - 07.825.12
12 cm



cm

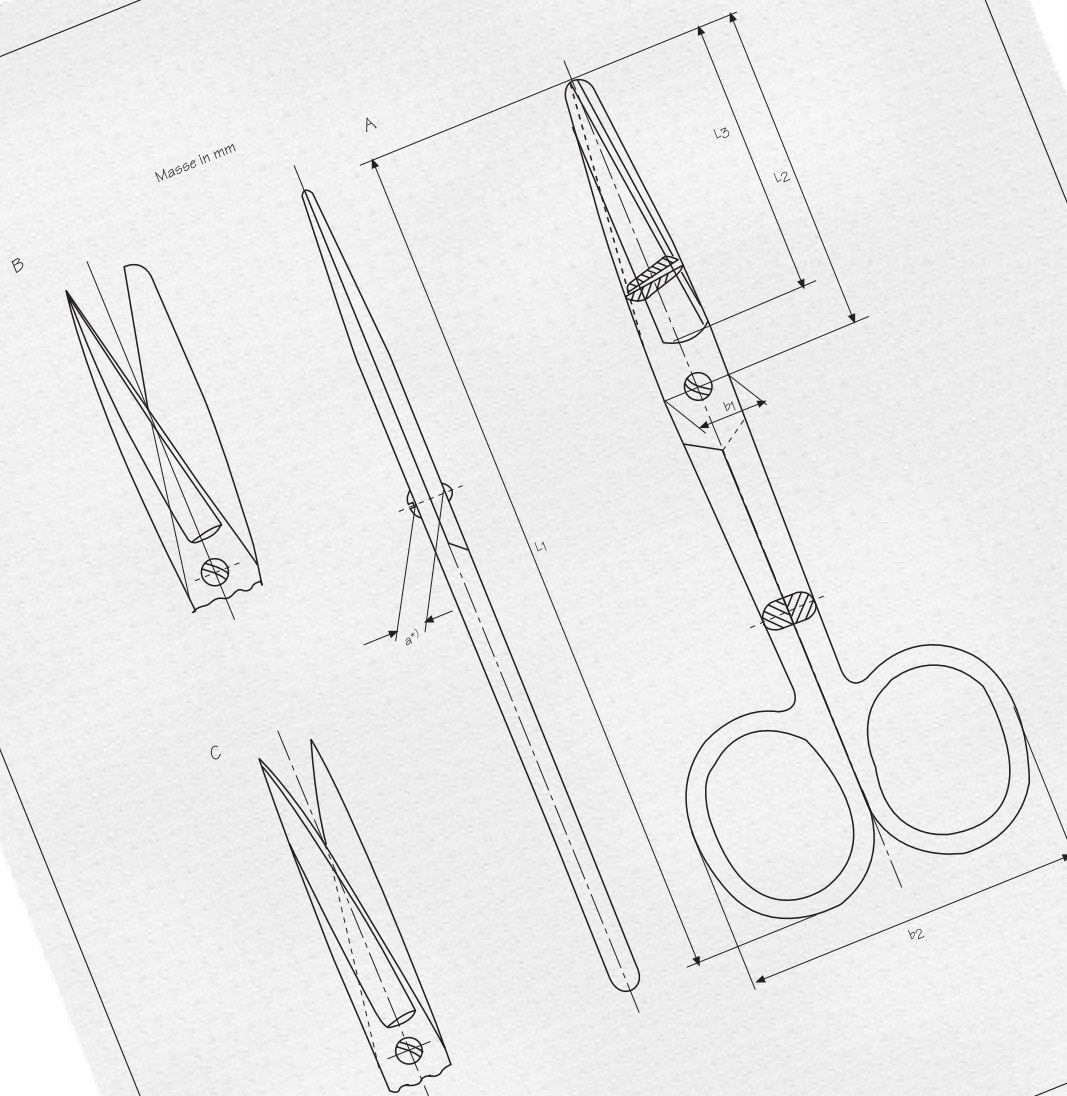
14	07.901.14
18	07.901.18
20	07.901.20

LISTER
07.901.14 - 07.901.20



08

Scissors
Tijeras
Scheren



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
		July '98	cvd/jvd	1
		July '98	cvd	Maastricht / escala 1:1
		June '99	mj	Abt. / acot. mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo
Stainless Steel Inoxidable				





standard
08.102.10 - **08.125.18 TC**



cm

10.5	08.102.10	
11.5	08.102.11	08.103.11
13.0	08.102.13	08.103.13
14.5	08.102.14	08.103.14
15.5	08.102.15	08.103.15
16.5	08.102.16	08.103.16
18.5	08.102.18	08.103.18
20.0	08.102.20	08.103.20
14.5 TC	08.104.14 TC	08.105.14 TC
16.5 TC	08.104.16 TC	08.105.16 TC
18.5 TC	08.104.18 TC	08.105.18 TC



cm

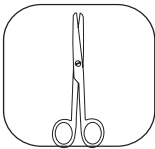
10.5	08.110.10	
11.5	08.110.11	08.111.11
13.0	08.110.13	08.111.13
14.5	08.110.14	08.111.14
15.5	08.110.15	08.111.15
16.5	08.110.16	08.111.16
18.5	08.110.18	08.111.18
20.0	08.110.20	08.111.20
14.5 TC	08.114.14 TC	08.115.14 TC
16.5 TC	08.114.16 TC	08.115.16 TC
18.5 TC	08.114.18 TC	08.115.18 TC



cm

10.5	08.120.10	
11.5	08.120.11	08.121.11
13.0	08.120.13	08.121.13
14.5	08.120.14	08.121.14
15.5	08.120.15	08.121.15
16.5	08.120.16	08.121.16
14.5 TC	08.124.14 TC	08.125.14 TC
16.5 TC	08.124.16 TC	08.125.16 TC
18.5 TC	08.124.18 TC	08.125.18 TC

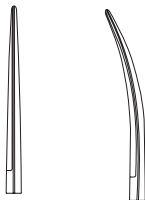




08.128.14
14 cm



DEAVER
08.130.14 - 08.151.14
14 cm



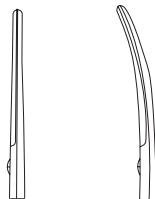
<i>blunt / blunt</i>	08.130.14	08.131.14
<i>sharp / blunt</i>	08.140.14	08.141.14
<i>sharp / sharp</i>	08.150.14	08.151.14
<i>blunt / blunt TC</i>	08.134.14 TC	08.135.14 TC
<i>sharp / blunt TC</i>	08.144.14 TC	08.145.14 TC



MAYO
08.158.17
17 cm



MAYO
08.160.14 - 08.165.23 TC



cm

14.5	08.160.14	08.161.14
17.0	08.160.17	08.161.17
23.0	08.160.23	08.161.23
14.5 TC	08.164.14 TC	08.165.14 TC
17.0 TC	08.164.17 TC	08.165.17 TC
23.0 TC	08.164.23 TC	08.165.23 TC



MAYO STILLE
08.166.16
16 cm





cm

15.0	08.170.15	08.171.15
17.0	08.170.17	08.171.17
15.0 TC	08.174.15 TC	08.175.15 TC
17.0 TC	08.174.17 TC	08.175.17 TC

MAYO STILLE

08.170.15 - 08.175.17 TC



08.180.17

08.181.17

MAYO NOBLE

08.180.17 - 08.181.17

17 cm



cm

16	08.190.16	08.191.16
21	08.190.21	08.191.21
16 TC	08.194.16 TC	08.195.16 TC
21 TC	08.194.21 TC	08.195.21 TC

LEXER

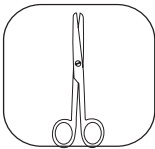
08.190.16 - 08.195.21 TC



LEXER

08.197.16

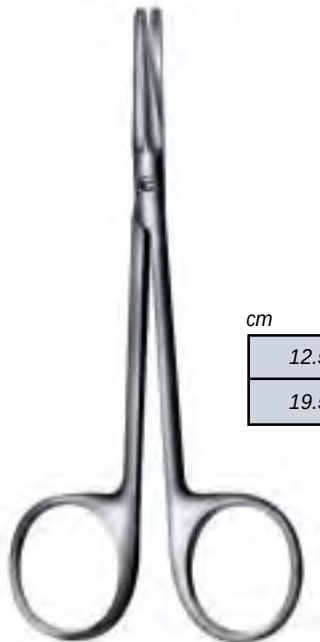
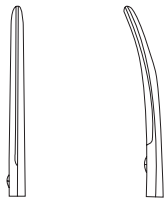
16 cm



cm

10	08.202.10	08.203.10
10 TC	08.206.10 TC	08.207.10 TC

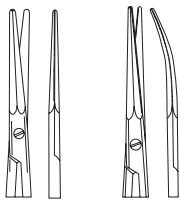
LEXER baby
08.202.10 - 08.207.10 TC
10 cm



cm

12.5	08.212.12	
19.5	08.212.19	08.213.19

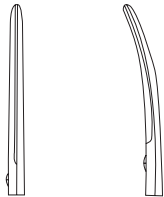
GORNEY
08.212.12 - 08.213.19



cm

15	08.280.15	08.281.15
18	08.280.18	08.281.18
20	08.280.20	08.281.20
23	08.280.23	08.281.23
25	08.280.25	08.281.25
28	08.280.28	08.281.28
30	08.280.30	08.281.30

METZENBAUM
08.280.15 - 08.281.30





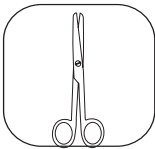
METZENBAUM
08.282.15 - 08.283.23

<i>cm</i>		
		
15	08.282.15	08.283.15
18	08.282.18	08.283.18
20	08.282.20	08.283.20
23	08.282.23	08.283.23



METZENBAUM
08.284.15 TC - 08.285.30 TC

<i>cm</i>		
		
15	08.284.15 TC	08.285.15 TC
18	08.284.18 TC	08.285.18 TC
20	08.284.20 TC	08.285.20 TC
23	08.284.23 TC	08.285.23 TC
25	08.284.25 TC	08.285.25 TC
28	08.284.28 TC	08.285.28 TC
30	08.284.30 TC	08.285.30 TC



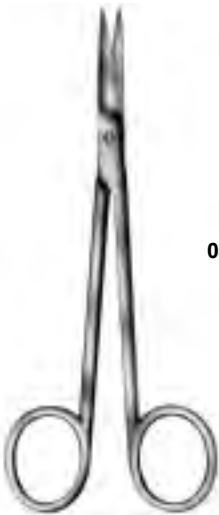
cm

15	08.286.15 TC	08.287.15 TC
18	08.286.18 TC	08.287.18 TC
20	08.286.20 TC	08.287.20 TC
23	08.286.23 TC	08.287.23 TC
25	08.286.25 TC	08.287.25 TC
28	08.286.28 TC	08.287.28 TC

METZENBAUM
08.286.15 TC - 08.287.28 TC

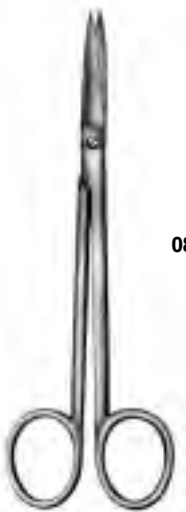


METZENBAUM
08.291.18 - 08.295.18 TC
18 cm



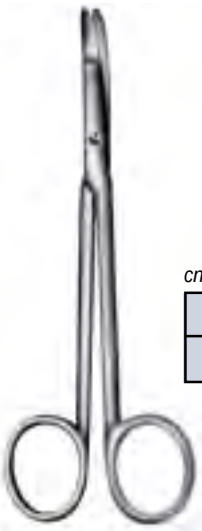
08.302.14 08.303.14

SANVENERO
08.302.14 - 08.303.14
14 cm



08.304.14 08.305.14

JOSEPH
08.304.14 - 08.305.14
14 cm
plastic



cm

12	08.310.12	08.314.12 TC
15	08.310.15	08.314.15 TC

KILNER
08.310.12 - 08.314.15 TC
plastic



cm		
15	08.320.15	08.321.15
18		08.321.18
15 TC	08.324.15 TC	08.325.15 TC

REYNOLDS

08.320.15 - 08.325.18 TC



08.324.09



08.325.09

iris

08.324.09 - 08.325.09

9 cm



08.326.10



08.327.10



iris

08.326.10 - 08.327.10

10 cm



08.328.10



08.329.10



iris

08.328.10 - 08.329.10

10 cm



08.331.09



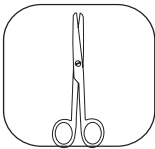
08.333.09



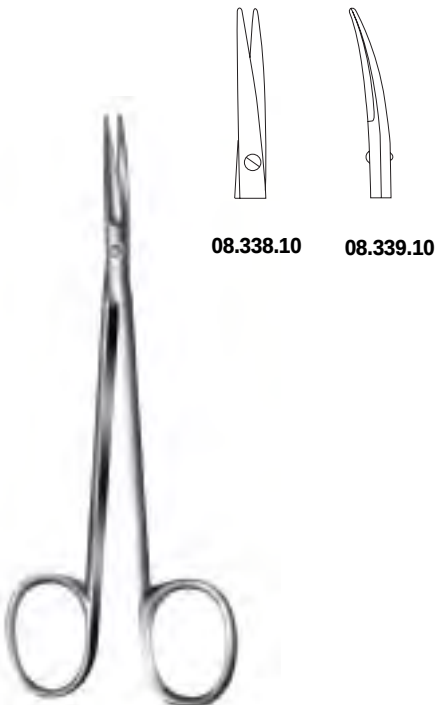
iris

08.331.09 - 08.333.09

9 cm



KNAPP
08.336.10 - 08.337.10
10 cm

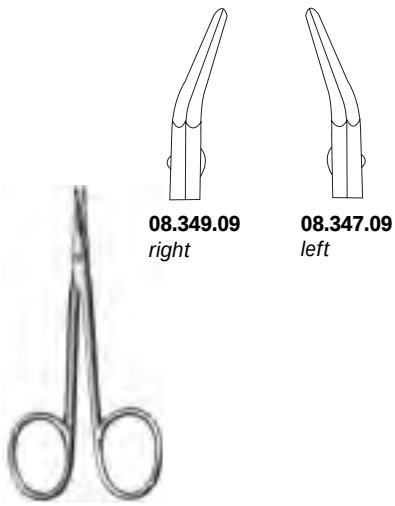


KNAPP
08.338.10 - 08.339.10
10 cm



cm		
9	08.340.09	08.341.09
11	08.340.11	08.341.11
11 TC	08.344.11 TC	08.345.11 TC

iris standard
08.340.09 - 08.345.11 TC



AEBLI
08.347.09 - 08.349.09
9 cm

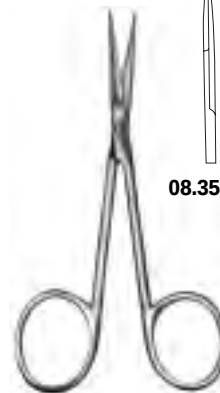
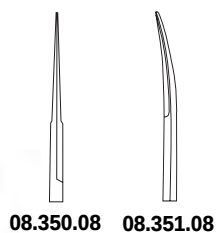




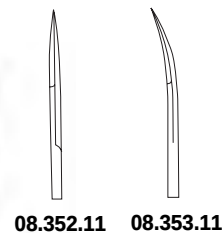
GRAEFE
08.349.11
10.5 cm



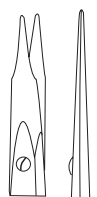
BONNEYE
08.350.08 - 08.351.08
8 cm



FIREEYE
08.352.11 - 08.353.11
11 cm

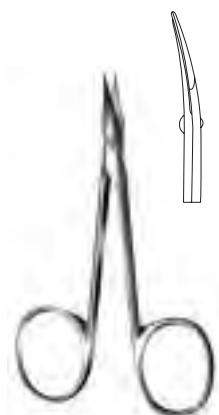
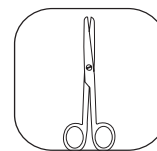


STEVENS
08.360.11 - 08.363.11
11 cm

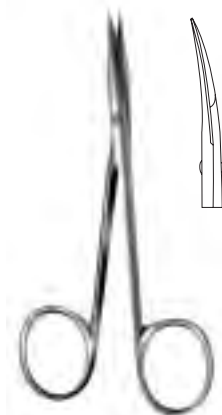


STEVENS
08.364.10 - 08.367.10
10 cm





08.369.10
10 cm



08.369.12
12 cm



strabismus
08.370.11 - 08.375.11 TC
11 cm



08.370.11
08.374.11 TC



08.371.11
08.375.11 TC



08.381.11

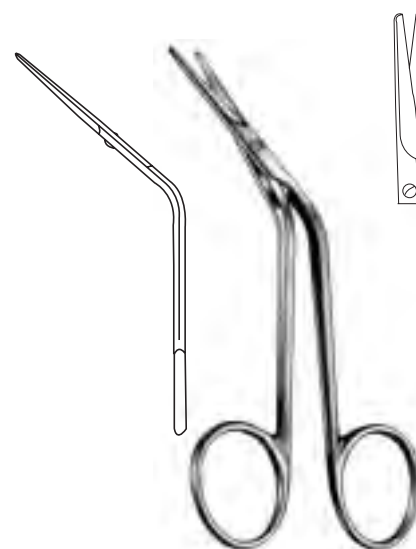


08.383.11

08.381.11 - 08.383.11
11 cm



HEYMANN
08.401.18
18 cm



FOMON
08.403.15
15 cm



COTTLE
08.405.16
16 cm



BEUSE
08.420.14 - 08.421.18

cm

14	08.420.14	08.421.14
18	08.420.18	08.421.18



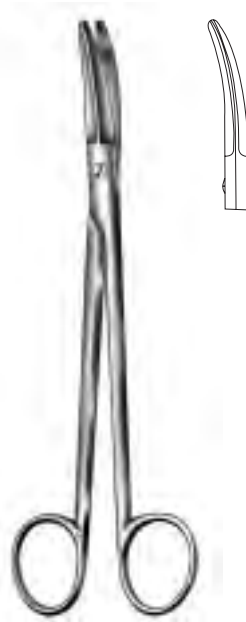
DEAN
08.425.17 - 08.427.17
17 cm



08.425.17



08.427.17

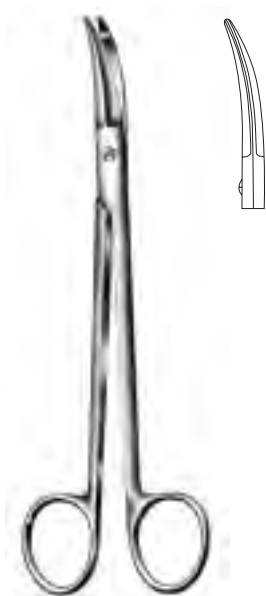
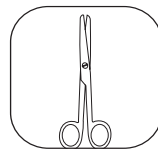


BOETTCHER
08.435.18
18 cm



GOOD
08.437.19
19 cm





PRINCE
08.439.17
17 cm



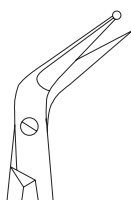
08.468.15
15 cm



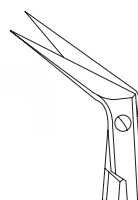
08.470.11
11 cm



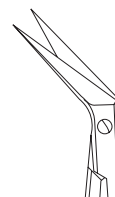
POTTS DE MARTEL
08.473.21
21 cm
08.473.24
24 cm



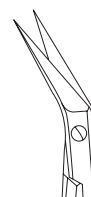
MILLS
08.475.22
22 cm



08.480.25 - 08.484.25 TC
25°



08.480.40 - 08.484.40 TC
40°

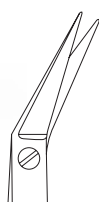


08.480.60 - 08.484.60 TC
60°

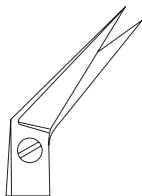
POTTS SMITH
08.480.25 - 08.484.60 TC
19 cm



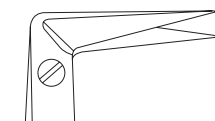
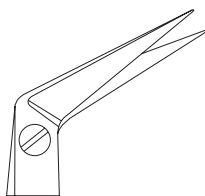
08.486.25
25°



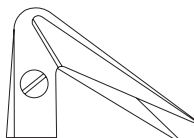
08.486.45
45°



08.486.60
60°

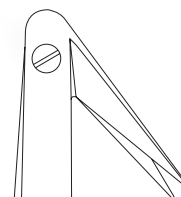


08.486.90
90°



08.487.25
125°

DIETHRICH
08.486.25 - 08.487.25
18 cm



DIETHRICH
08.488.25
125°
18 cm



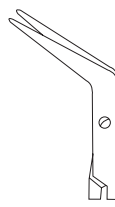
DE BAKEY
08.490.16 - 08.492.28



25°



45°



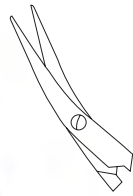
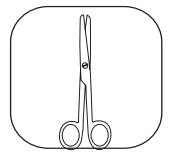
60°

cm

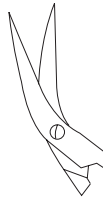
cm	25°	45°	60°
16	08.490.16	08.491.16	08.492.16
23	08.490.23	08.491.23	08.492.23
28	08.490.28	08.491.28	08.492.28



DE BAKEY
08.493.23 TC
45°
22 cm



08.495.15



08.497.15

DE BAKEY

08.495.15 - 08.497.15

15 cm



DE BAKEY

08.498.19

19 cm

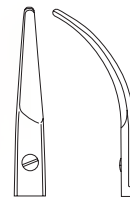


08.501.22
22.5 cm

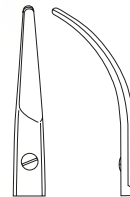


08.501.23
23 cm

08.501.22 - 08.501.23

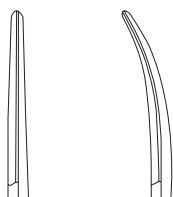


08.505.22 TC
22.5 cm



08.505.23 TC
23 cm

08.505.22 TC - 08.505.23 TC



cm

20	08.510.20	08.511.20
23	08.510.23	08.511.23
23	08.514.23 TC	08.515.23 TC

SIMS

08.510.20 - 08.515.23 TC



SIEBOLD

08.523.24
24.5 cm



WERTHEIM

08.525.22
23 cm



WERTHEIM

08.527.22 TC
23 cm

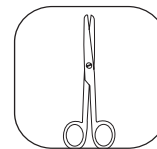


08.530.17

08.531.17

DOYEN

08.530.17
16 cm
08.531.17
18 cm

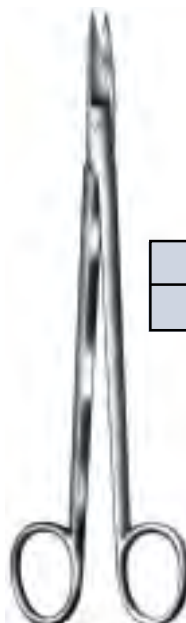


08.536.27
25 cm



08.537.27
27 cm

DUBOIS
08.536.27 - 08.537.27



16	08.540.16	08.541.16
18	08.540.18	08.641.18

KELLY
08.540.16 - 08.541.18



08.550.10
10.5 cm



BUSCH
08.551.16
13.5 cm



SCHUMACHER
08.553.16
15.5 cm



BRAUN STADLER
08.560.14
14.5 cm
08.560.22
22.5 cm





08.580.11

08.581.11



08.580.11 - 08.581.11
11 cm



08.582.11
11 cm



08.582.15

08.583.15



08.582.15 - 08.583.15
15 cm



STRULLY
08.601.22
22 cm



08.610.18

08.611.18



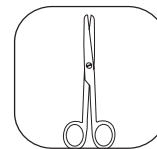
TOENNIS ADSON
08.610.18 - 08.611.18
18 cm



TOENNIS ADSON
08.613.17
17 cm



McINDOE
08.614.19
18.5 cm



MARTIN
08.615.13
13 cm
08.615.20
20 cm



DANDY
08.617.17
17 cm



SCHMEIDEN TAYLOR
08.619.17
16 cm



WILLAUER
08.641.27
27 cm

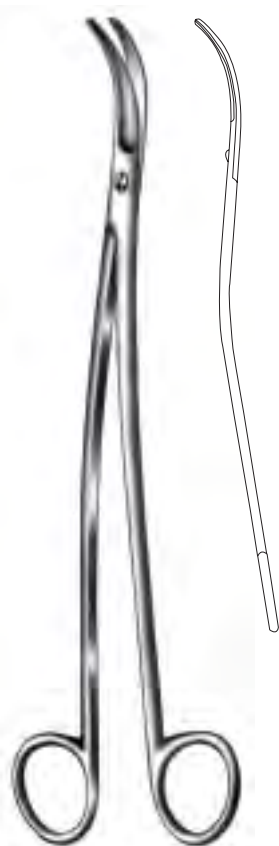


CRAFOORD
08.641.30
30 cm

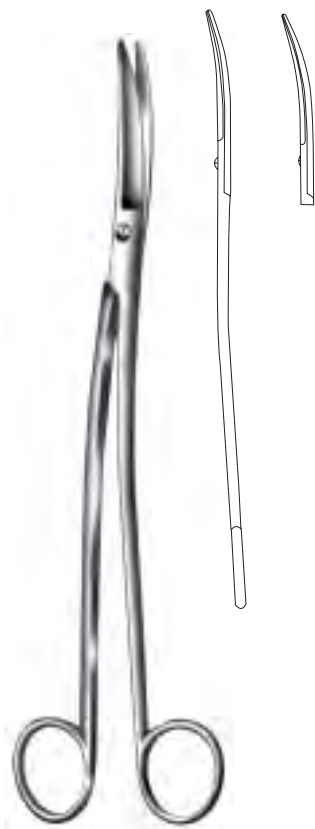


THOREK
08.643.18
19 cm
08.643.25
25 cm





SATINSKY
08.651.24
24 cm



KLINKENBERGH LOTH
08.661.23
23 cm



FINOCHIETTO
08.663.27
28 cm



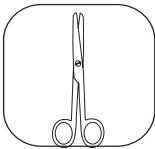
08.770.21
21 cm



08.772.21
21 cm



08.774.21
21 cm



SPENCER
08.802.09
9 cm



SPENCER
08.802.11
11.5 cm



NORTHBENT SPENCER
08.803.13
12 cm



LITTAUER
08.804.14
13.5 cm



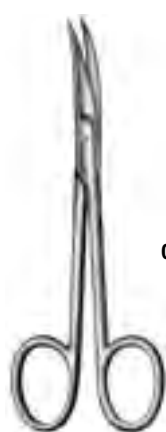
HEATH
08.809.15
15 cm



GOLDMAN FOX
08.820.13 - 08.821.13 TC
13 cm

cm		
13	08.820.13	08.821.13
13 TC	08.822.13 TC	08.823.13 TC

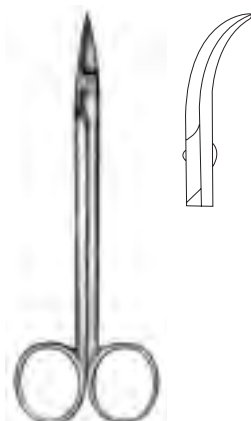




08.824.12

08.825.12

WAGNER
08.824.12 - 08.825.12
12 cm

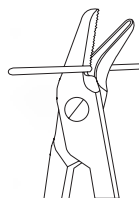


QUINBY
08.827.12
13 cm

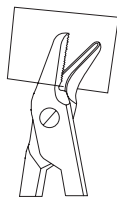


08.850.10 - 08.851.10

BEEBEE
08.850.10 - 08.851.10
10.5 cm



08.831.12

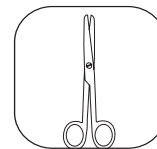


08.835.12 TC

08.831.12 - 08.835.12 TC
12 cm



SMITH US
08.898.20
18 cm



cm

9	08.901.09
11	08.901.11
14	08.901.14
18	08.901.18
20	08.901.20

LISTER
08.901.09 - 08.901.20



cm

14	08.905.14 TC
18	08.905.18 TC
20	08.905.20 TC

LISTER
08.905.14 TC - 08.905.20 TC



BERGMANN
08.911.23
23 cm



ESMARCH
08.913.20
20 cm
08.913.22
22 cm



KNOWLES
08.930.14
14 cm





08.921.16
16 cm
08.921.19
19 cm



LORENZ
08.933.23
24 cm



08.941.20
21 cm



08.935.23
08.939.23 TC
plain
23.5 cm

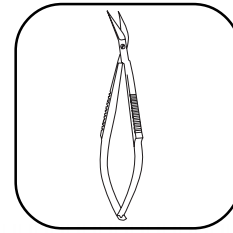


08.937.23
serrated
23.5 cm



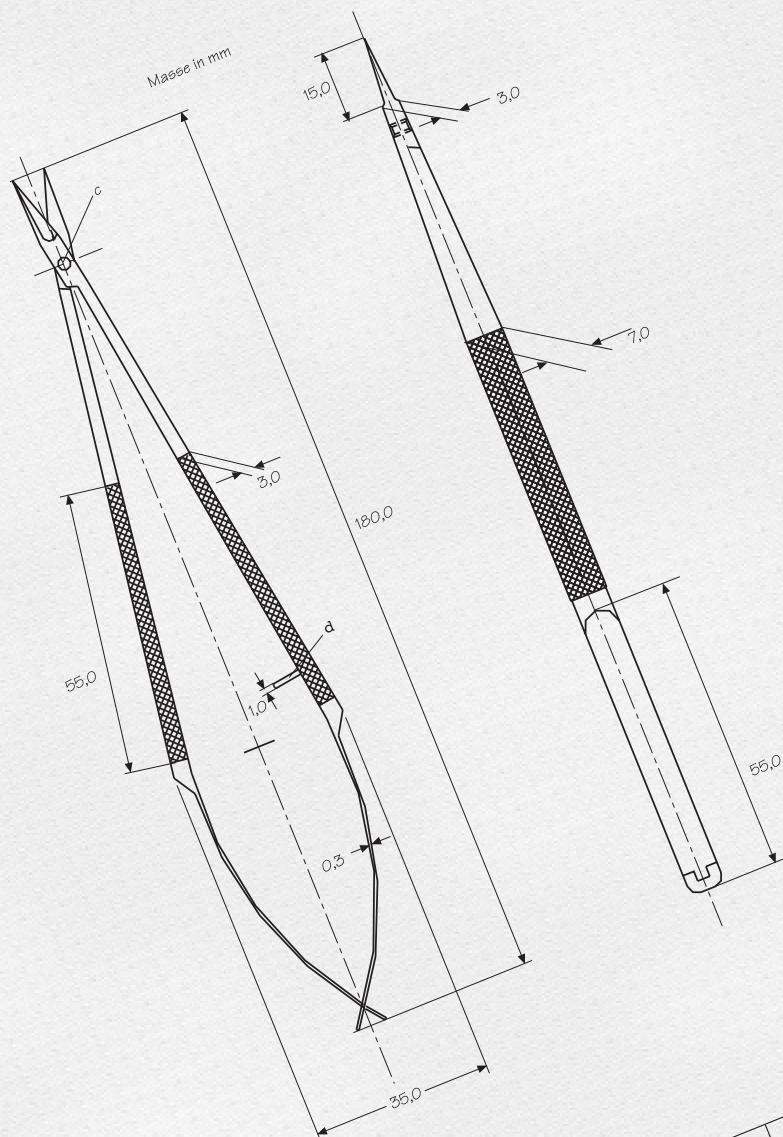
08.950.15
14.5 cm
08.950.18
18 cm

BRUNS
08.935.23 - 08.939.23 TC
23.5 cm



09

Microscissors
Microtijeras
Mikroscheren



Technical drawing showing a corner joint with a dimension of 35,0.

GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano	
F	Stainless Steel Acero inoxidable	July '98	cvd/jvd	1	
		July '98	cvd	Maastab / escala 1:1	
		June '99	mj	Abt. / acot. mm	
		Toleranz / tolerancia		Artikel / artículo	
		 DEWIMED®		Artikel-Nr. / No. de artículo	

59





**McPHERSON
WESTCOTT**
09.102.10
10 cm



WESTCOTT
09.102.11
11 cm



**McPHERSON
WESTCOTT**
09.104.10
10 cm



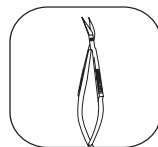
WESTCOTT
09.104.11
11 cm



WESTCOTT
09.106.11
11 cm



WESTCOTT
09.107.11
11 cm



09.108.10
10 cm



NOYES
09.110.12
12cm



NOYES
09.111.12
12 cm



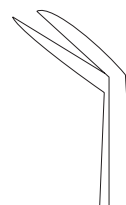
WECKER
09.113.07
11 cm / 7 mm



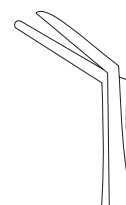
WECKER
09.113.11 - 09.117.11
11 cm



09.113.11



09.115.11



09.117.11



NOYES
09.113.12
12 cm



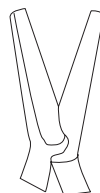
WECKER
09.115.07
11 cm
tip 7 mm



WECKER
09.116.11
11 cm
tip 11 mm



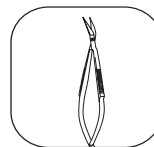
WECKER
09.117.07
11 cm
tip 7 mm



BARRAQUER
09.119.10
10 cm



McGUIRE
09.121.10
10 cm



CASTROVIEJO
09.133.09
9 cm



CASTROVIEJO
09.133.10
10 cm



CASTROVIEJO
09.135.10
10 cm



CASTROVIEJO
09.137.10 - 09.139.10
10 cm



09.137.10



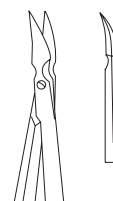
09.139.10



VANNAS
09.140.08
8 cm



VANNAS
09.141.08
8 cm

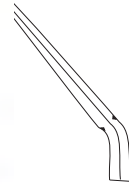




GILLS WELSCH
09.142.01
8 cm



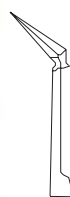
GILLS WELSCH
09.142.02
8 cm



GILLS WELSCH
09.142.03
8 cm



GILLS WELSCH
09.142.04
8 cm



09.143.08

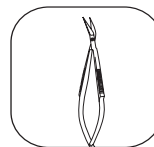


09.144.08

VANNAS
09.143.08 - 09.144.08
8 cm



CASTROVIEJO
09.151.11
11 cm



CASTROVIEJO
09.153.11
11 cm

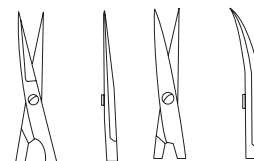


CASTROVIEJO
09.155.11
11 cm



cm / mm

14 / 8		09.203.14
18 / 8	09.202.18	09.203.18



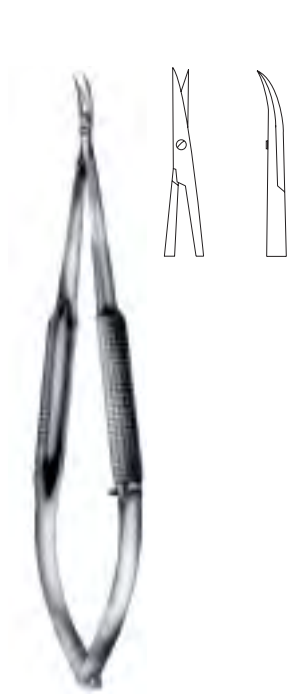
09.220.14
14.50 cm
09.220.18
18 cm



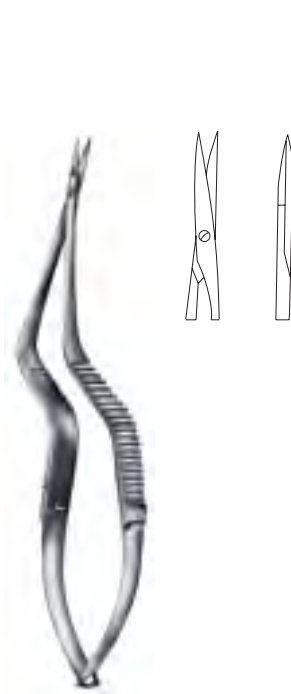
09.220.23
23 cm



09.221.14
14.50 cm
09.221.18
18 cm



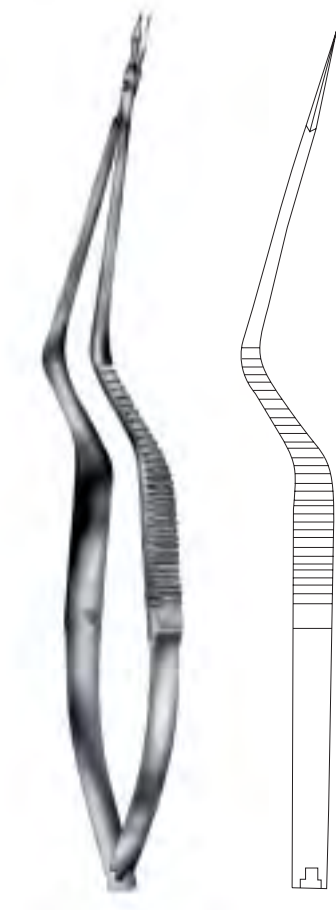
09.223.14
14.50 cm
09.223.18
18 cm



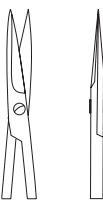
DEWIMED
09.250.16
16.5 cm



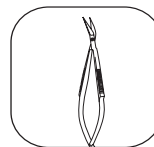
DEWIMED
09.250.20
20 cm



DEWIMED
09.250.22
22.5 cm



DEWIMED
09.251.16
16.5 cm



DEWIMED
09.251.20
20 cm



DEWIMED
09.251.22
22.5 cm
09.251.24
24.5 cm



DEWIMED
09.253.20
20 cm
09.253.22
22.5 cm



DEWIMED
09.254.20
20 cm



DEWIMED
09.254.22
22.5 cm



DEWIMED
09.255.20
20 cm



DEWIMED
09.255.22
22.5 cm



09.260.12
12 cm



09.260.16
16 cm



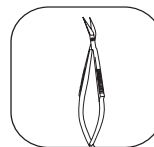
DEWIMED
09.260.18
18 cm



DEWIMED
09.261.12
12 cm



DEWIMED
09.261.16
16 cm



JACOBSON
09.261.18
18.5 cm



VANNAS
09.262.12 - 09.262.16

09.262.12
12 cm



09.262.16
16 cm



VANNAS
09.263.12 - 09.263.16

09.263.12
12 cm

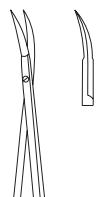


09.263.16
16 cm



09.266.18 - 09.267.18
18.5 cm

09.266.18

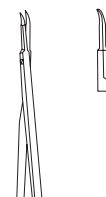


09.267.18



VANNAS
09.268.18 - 09.269.18
18.5 cm

09.268.18

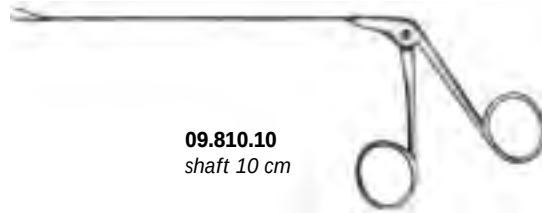


09.269.18



"In-Situ" venous valve scissors

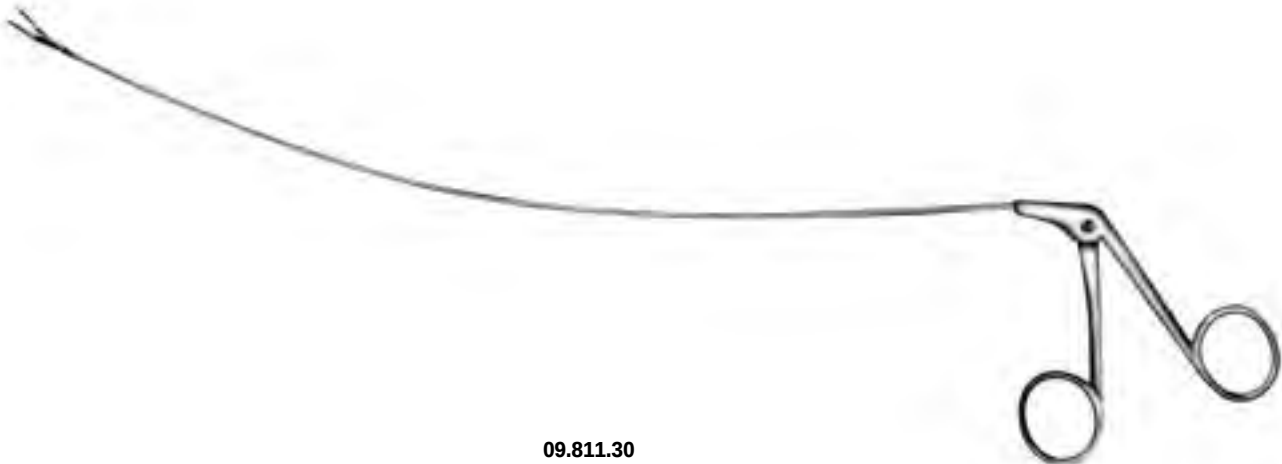
developed for the In-situ
saphenous vein by-pass of
arteries in the lower
extremities.



09.810.10
shaft 10 cm



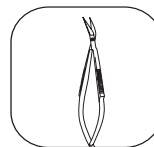
09.810.23
shaft 23 cm



09.811.30
for the left thigh 30 cm



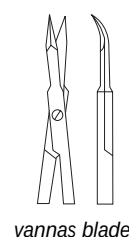
09.813.30
for the right thigh 30 cm



neuro - micro - instruments

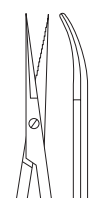


cm		
16.0	41.050.16	41.051.16
18.0	41.050.18	41.051.18
20.0	41.050.20	41.051.20
22.5	41.050.22	41.051.22
24.0	41.050.24	41.051.24
insulated		
16.0	41.052.16	41.053.16
18.0	41.052.18	41.053.18
20.0	41.052.20	41.053.20
22.5	41.052.22	41.053.22
24.0	41.052.24	41.053.24



cm		
16.0	41.060.16	41.061.16
18.0	41.060.18	41.061.18
20.0	41.060.20	41.061.20
22.5	41.060.22	41.061.22
24.0	41.060.24	41.061.24
insulated		
16.0	41.062.16	41.063.16
18.0	41.062.18	41.063.18
20.0	41.062.20	41.063.20
22.5	41.062.22	41.063.22
24.0	41.062.24	41.063.24

micro scissors
41.050.16 - 41.082.24



saw edge

cm		
16.0	41.070.16	41.071.16
18.0	41.070.18	41.071.18
20.0	41.070.20	41.071.20
22.5	41.070.22	41.071.22
24.0	41.070.24	41.071.24
insulated		
16.0	41.072.16	41.073.16
18.0	41.072.18	41.073.18
20.0	41.072.20	41.073.20
22.5	41.072.22	41.073.22
24.0	41.072.24	41.073.24



vannas blade
angled over
the blade

cm	
16.0	41.080.16
18.0	41.080.18
20.0	41.080.20
22.5	41.080.22
24.0	41.080.24
insulated	
16.0	41.082.16
18.0	41.082.18
20.0	41.082.20
22.5	41.082.22
24.0	41.082.24



micro scissors
41.090.16 - 41.132.24

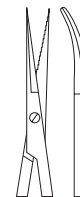


cm

16.0	41.090.16	41.091.16
18.0	41.090.18	41.091.18
20.0	41.090.20	41.091.20
22.5	41.090.22	41.091.22
24.0	41.090.24	41.091.24

insulated

16.0	41.092.16	41.093.16
18.0	41.092.18	41.093.18
20.0	41.092.20	41.093.20
22.5	41.092.22	41.093.22
24.0	41.092.24	41.093.24



saw edge

cm

16.0	41.110.16	41.111.16
18.0	41.110.18	41.111.18
20.0	41.110.20	41.111.20
22.5	41.110.22	41.111.22
24.0	41.110.24	41.111.24

insulated

16.0	41.112.16	41.113.16
18.0	41.112.18	41.113.18
20.0	41.112.20	41.113.20
22.5	41.112.22	41.113.22
24.0	41.112.24	41.113.24



vanna blade
angled over the
blade

cm

16.0	41.100.16	41.101.16
18.0	41.100.18	41.101.18
20.0	41.100.20	41.101.20
22.5	41.100.22	41.101.22
24.0	41.100.24	41.101.24

insulated

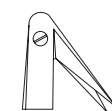
16.0	41.102.16	41.103.16
18.0	41.102.18	41.103.18
20.0	41.102.20	41.103.20
22.5	41.102.22	41.103.22
24.0	41.102.24	41.103.24

cm

16.0	41.120.16
18.0	41.120.18
20.0	41.120.20
22.5	41.120.22
24.0	41.120.24

insulated

16.0	41.122.16
18.0	41.122.18
20.0	41.122.20
22.5	41.122.22
24.0	41.122.24



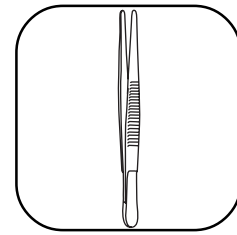
125°
angled blade

cm

16.0	41.130.16
18.0	41.130.18
20.0	41.130.20
22.5	41.130.22
24.0	41.130.24

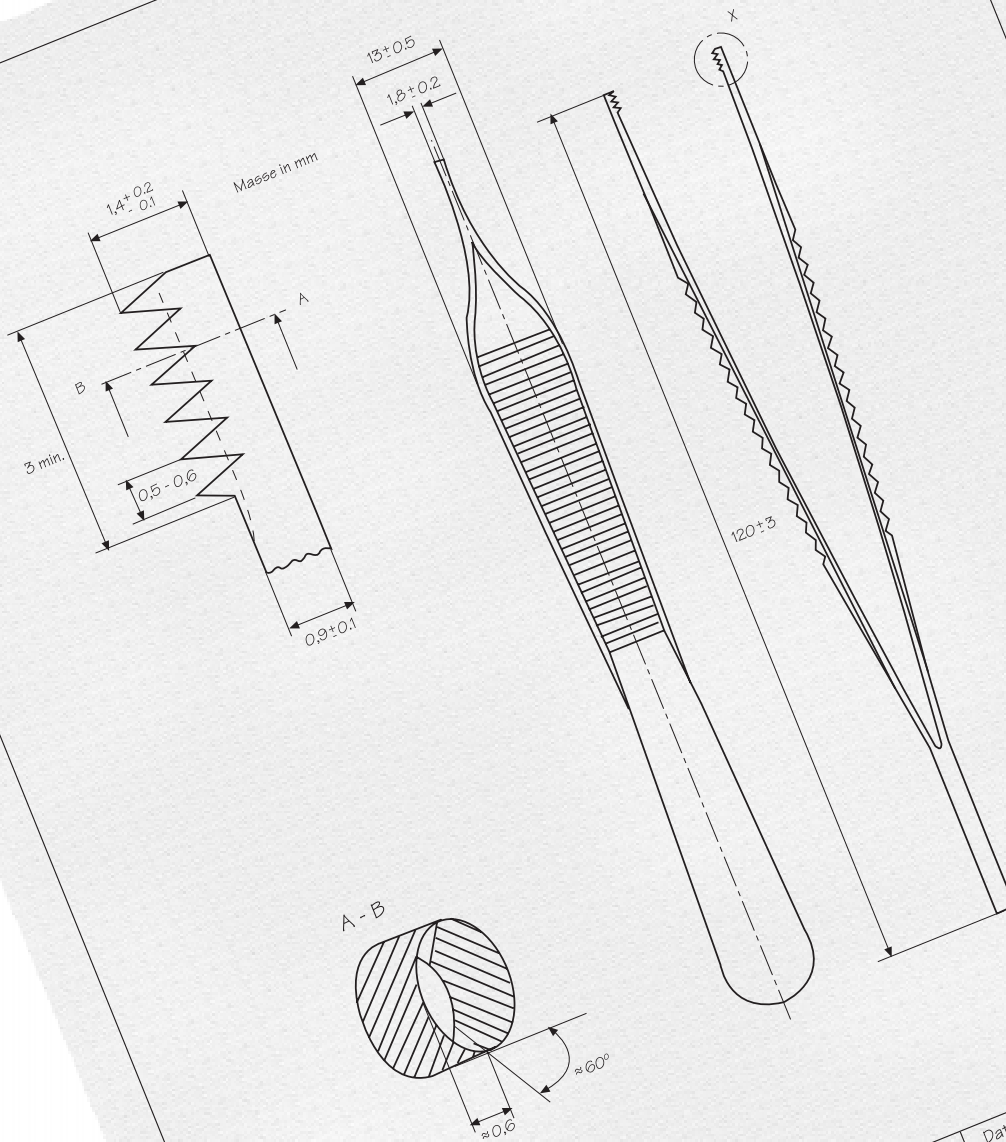
insulated

16.0	41.132.16
18.0	41.132.18
20.0	41.132.20
22.5	41.132.22
24.0	41.132.24



10

Forceps
Pinzas
Pinzetten



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F		July '98	cvd/jvd	1
	Konstrukteur / constructor	July '98	cvd	Maaetab / escala 1:1
	gezeichnet / alijado	June '99	mj	Abt. / acot. mm
	geprüft / verificado			Artikel / articulo
	Toleranz / tolerancia			Artikel-Nr. / No. de arti





cm

11.5	10.102.11
13.0	10.102.13
14.5	10.102.14
16.0	10.102.16
18.0	10.102.18
20.0	10.102.20
25.0	10.102.25
30.0	10.102.30

standard
10.102.11 - 10.102.30



cm

13.0	10.103.13
14.5	10.103.14
20.0	10.103.20
25.0	10.103.25

standard
10.103.13 - 10.103.25



cm

12	10.104.12
13	10.104.13
14	10.104.14
15	10.104.15
18	10.104.18
21	10.104.21
25	10.104.25

USA
10.104.12 - 10.104.25



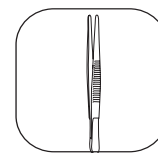
STILLE
10.106.15
15 cm



cm

11.5	10.110.11
13.0	10.110.13
14.5	10.110.14
16.0	10.110.16
14.5 TC	10.114.14 TC
16.0 TC	10.114.16 TC

standard
10.110.11 - **10.114.16 TC**



cm

18	10.112.18
21	10.112.21
25	10.112.25
18 TC	10.116.18 TC
21 TC	10.116.21 TC
25 TC	10.116.25 TC

POTTS SMITH
10.112.18 - 10.116.25 TC



cm

11.5	10.120.11
13.0	10.120.13
14.5	10.120.14
16.0	10.120.16
18.0	10.120.18
20.0	10.120.20
25.0	10.120.25
30.0	10.120.30

standard
10.120.11 - 10.120.30



cm

12.0	10.122.12
13.0	10.122.13
14.5	10.122.14
15.5	10.122.15
18.5	10.122.18
21.0	10.122.21
25.0	10.122.25

USA
10.122.12 - 10.122.25
1 x 2 teeth



STILLE
10.124.15
15 cm
1 x 2 teeth



cm

18	10.126.18
21	10.126.21
25	10.126.25

POTTS SMITH
10.126.18 - 10.126.25
1 x 2 teeth



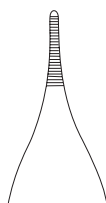
cm	1 x 2 teeth	2 x 3 teeth	4 x 5 teeth	3 x 4 teeth
13.0	10.130.13	10.140.13	10.150.13	10.160.13
14.5	10.130.14	10.140.14	10.150.14	10.160.14
16.0	10.130.16	10.140.16	10.150.16	10.160.16
18.0		10.140.18		
20.0		10.140.20	10.150.20	
25.0		10.140.25		



cm	1 x 2 teeth
12.5	10.134.12
14.5	10.134.14

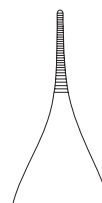
10.130.13 - 10.160.16

10.134.12 - 10.134.14



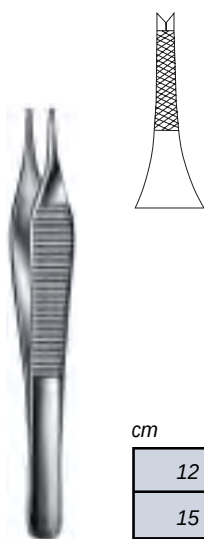
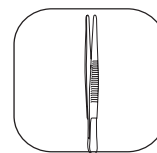
cm	
12	10.170.12
15	10.170.15
12 TC	10.174.12 TC
15 TC	10.174.15 TC

ADSON
10.170.12 - 10.174.15 TC



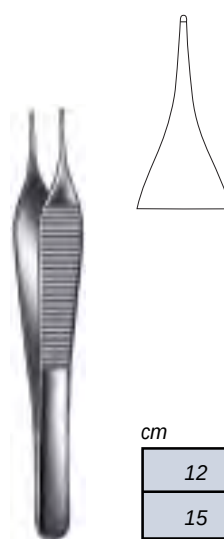
cm	
12	10.176.12
15	10.176.15

ADSON micro
10.176.12 - 10.176.15



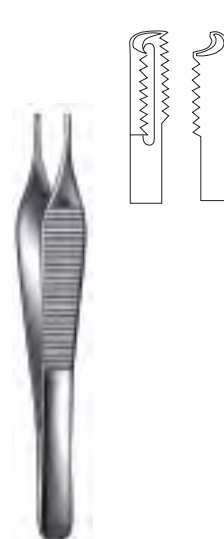
cm	1 x 2 teeth
12	10.180.12
15	10.180.15

ADSON
10.180.12 - 10.180.15



cm	1 x 2 teeth
12	10.186.12
15	10.186.15

ADSON micro
10.186.12 - 10.186.15



ADSON BROWN
10.188.12
7 x 7 teeth



cm	
16	10.189.16
20	10.189.20
25	10.189.25

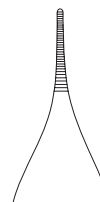
BROWN
10.189.16 - 10.189.25



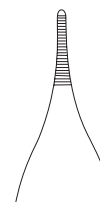
GRAEFE
10.190.10
10 cm



ADSON
10.192.12 - 10.196.12
12 cm
1 x teeth



10.192.12



10.194.12



10.196.12



cm	1 x 2 teeth
12	10.198.12
15	10.198.15

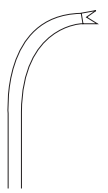
ADSON
10.198.12 - 10.198.15



10.220.17
10.224.17 TC

10.221.17

CUSHING
10.220.17 - 10.224.17 TC
17 cm

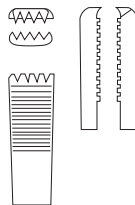


10.230.17 10.231.17

CUSHING
10.230.17 - 10.231.17
17 cm
1 x 2 teeth



LERCHE
10.232.15
15 cm
5 x 6 teeth



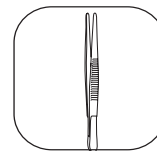
cm	4 x 5 teeth
15	10.236.15
20	10.236.20

ADLERKREUTZ
10.236.15 - 10.236.20



cm	1 x 2 teeth	2 x 3 teeth
14	10.240.14	10.242.14

LANE
10.240.14 - 10.242.14



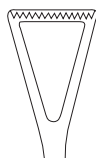
FERRIS SMITH
10.246.18 - 10.248.18



cm	1 x 2 teeth	2 x 3 teeth
18	10.246.18	10.248.18



DUVAL
10.250.14
14 cm



COLLIN DUVAL
10.252.14
20 cm



cm	
15 TC	10.254.15 TC
15	10.258.15

McINDOE
10.254.15 TC - 10.258.15



cm	1 x 2 teeth	2 x 3 teeth
18	10.254.18	10.255.18

BONNEY
10.254.18 - 10.255.18



cm	
15	15.256.15
20	15.256.20
25	15.256.25

russian forceps
10.256.15 - 10.256.25

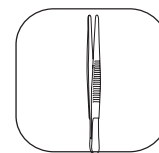


MAYO russian forceps
10.256.23
23 cm



cm		
12	10.260.12	10.261.12
15	10.260.15	10.261.15

SEMKEN
10.260.12 - 10.261.15



cm

15	10.262.15
20	10.262.20

WAUGH
10.262.15 - 10.262.20



cm

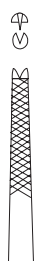
1 x 2 teeth

12	10.270.12
15	10.270.15

SEMKEN
10.270.12 - 10.270.15



GILLIES
10.272.15
15 cm
1 x 2 teeth



cm

15	10.282.15
20	10.282.20

WAUGH
10.282.15 - 10.282.20
1 x 2 teeth



GERALD
10.302.18
18 cm



GERALD
10.303.18
18 cm



GERALD
10.305.18
18 cm



GERALD
10.310.18
18 cm
1 x 2 teeth



GERALD
10.311.18
18 cm
1 x 2 teeth



GERALD
10.313.18
18 cm
1 x 2 teeth



TAYLOR
10.315.17
17 cm
1 x 2 teeth

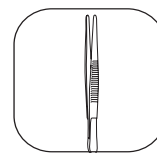


SINGLEY TUTTLE
10.320.23
23 cm

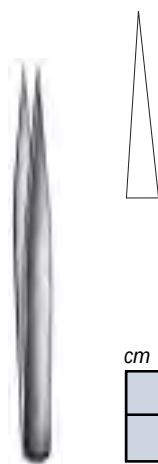


NELSON
10.322.15 - 10.322.23

cm	
15	10.322.15
18	10.322.18
23	10.322.23



WANGENSTEEN
10.324.23
23 cm



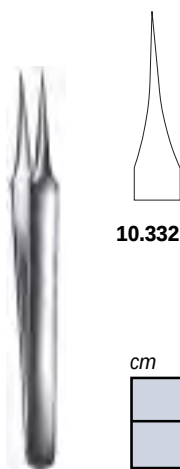
jeweler's style
10.330.12 - 10.330.31

cm

12	10.330.12
13	10.330.31



jeweler's style
10.331.12
12 cm



10.332.04



10.332.05

cm

4	10.332.04
5	10.332.05

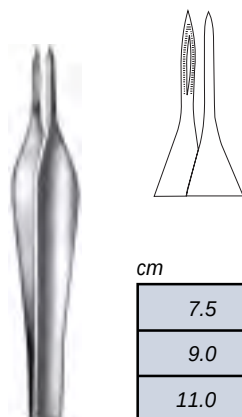
jeweler's style
10.332.04 - 10.332.05



cm

9	10.802.09
11	10.802.11

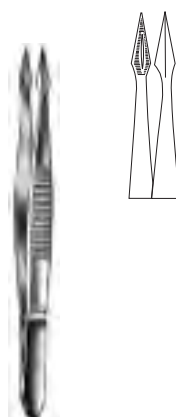
KRONECKER
10.802.09 - 10.802.11



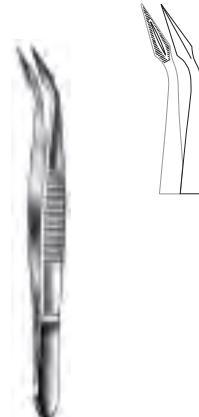
cm

7.5	10.810.07
9.0	10.810.09
11.0	10.810.11

FEILCHENFELD
10.810.07 - 10.810.11



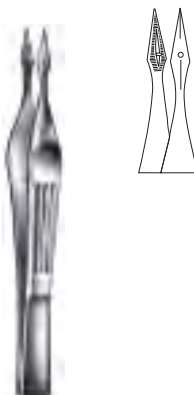
HUNTER
10.812.10
10 cm



HUNTER
10.813.10
10 cm



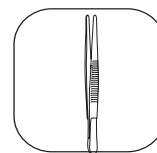
splinter forceps
with magnifier
10.815.12
12 cm



CARMALT
10.816.10
10 cm



CARMALT
10.817.10
10 cm



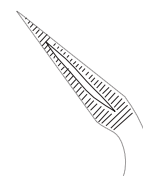
PEET
10.821.11
11 cm



STIEGLITZ
10.822.13 - 10.823.13
13 cm



10.822.13



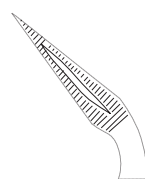
10.823.13



ARCHER
10.824.14 - 10.825.14
14 cm



10.824.14



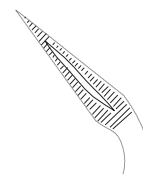
10.825.14



VIRTUS RALK
10.828.15 - 10.829.15
15 cm



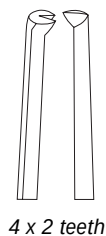
10.828.15



10.829.15

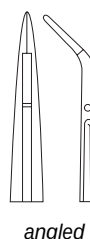


micro forceps
41.140.16 - 41.172.24



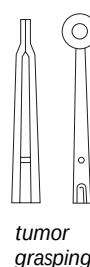
cm		
16.0	41.140.16	41.141.16
18.0	41.140.18	41.141.18
20.0	41.140.20	41.141.20
22.5	41.140.22	41.141.22
24.0	41.140.24	41.141.24
insulated		
16.0	41.142.16	41.143.16
18.0	41.142.18	41.143.18
20.0	41.142.20	41.143.20
22.5	41.142.22	41.143.22
24.0	41.142.24	41.143.24

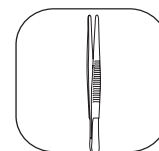
cm		
16.0	41.150.16	
18.0	41.150.18	
20.0	41.150.20	
22.5	41.150.22	
24.0	41.150.24	
insulated		
16.0	41.152.16	
18.0	41.152.18	
20.0	41.152.20	
22.5	41.152.22	
24.0	41.152.24	



cm		
16.0	41.160.16	
18.0	41.160.18	
20.0	41.160.20	
22.5	41.160.22	
24.0	41.160.24	
insulated		
16.0	41.162.16	
18.0	41.162.18	
20.0	41.162.20	
22.5	41.162.22	
24.0	41.162.24	

cm		
16.0	41.170.16	
18.0	41.170.18	
20.0	41.170.20	
22.5	41.170.22	
24.0	41.170.24	
insulated		
16.0	41.172.16	
18.0	41.172.18	
20.0	41.172.20	
22.5	41.172.22	
24.0	41.172.24	





micro forceps
41.180.16 - 41.212.24



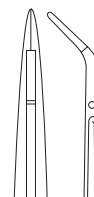
1 x 2 teeth

cm

16.0	41.180.16	41.181.16
18.0	41.180.18	41.181.18
20.0	41.180.20	41.181.20
22.5	41.180.22	41.181.22
24.0	41.180.24	41.181.24

insulated

16.0	41.182.16	41.183.16
18.0	41.182.18	41.183.18
20.0	41.182.20	41.183.20
22.5	41.182.22	41.183.22
24.0	41.182.24	41.183.24



angled

cm

16.0	41.190.16
18.0	41.190.18
20.0	41.190.20
22.5	41.190.22
24.0	41.190.24

insulated

16.0	41.192.16
18.0	41.192.18
20.0	41.192.20
22.5	41.192.22
24.0	41.192.24

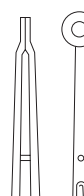


cm

16.0	41.200.16
18.0	41.200.18
20.0	41.200.20
22.5	41.200.22
24.0	41.200.24

insulated

16.0	41.202.16
18.0	41.202.18
20.0	41.202.20
22.5	41.202.22
24.0	41.202.24



tumor
grasping

cm

16.0	41.210.16
18.0	41.210.18
20.0	41.210.20
22.5	41.210.22
24.0	41.210.24

insulated

16.0	41.212.16
18.0	41.212.18
20.0	41.212.20
22.5	41.212.22
24.0	41.212.24



JOHN HUNTER 1718 - 1793

Nació en Glasgow, Inglaterra en 1718. Fue un brillante profesor de anatomía y cirugía, quién será recordado por su introducción del método experimental. Por sistema usaba animales para desarrollar técnicas operatorias antes de aplicarlas en el hombre. Con él puede decirse que la cirugía en Inglaterra se puso a la altura de la francesa y de la alemana. La muerte de Hunter fue trágica. Con la intención de realizar un experimento, voluntariamente se inoculó pus de un enfermo, que él creía afectado de gonorrea. En realidad se inoculó sífilis local fue probablemente causa de su muerte.



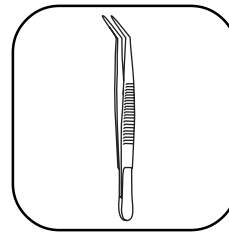
Was born in Glasgow, England in 1718. As a brilliant professor in anatomy and surgery, he introduced the experimental method: in order to develop operating techniques, he worked with animals before applying them on men. There is no doubt that with Hunter English medical science was able to be on the same

level as the French or German science. Hunter's death was tragic. With intentions of making an experiment with the gonorrhea, he injected himself pus from a patient. He wrongly thought that patient was suffering gonorrhea. But the patient had syphilis. Hunter probably died of the same disease.

Wurde 1718 in Glasgow, England geboren.

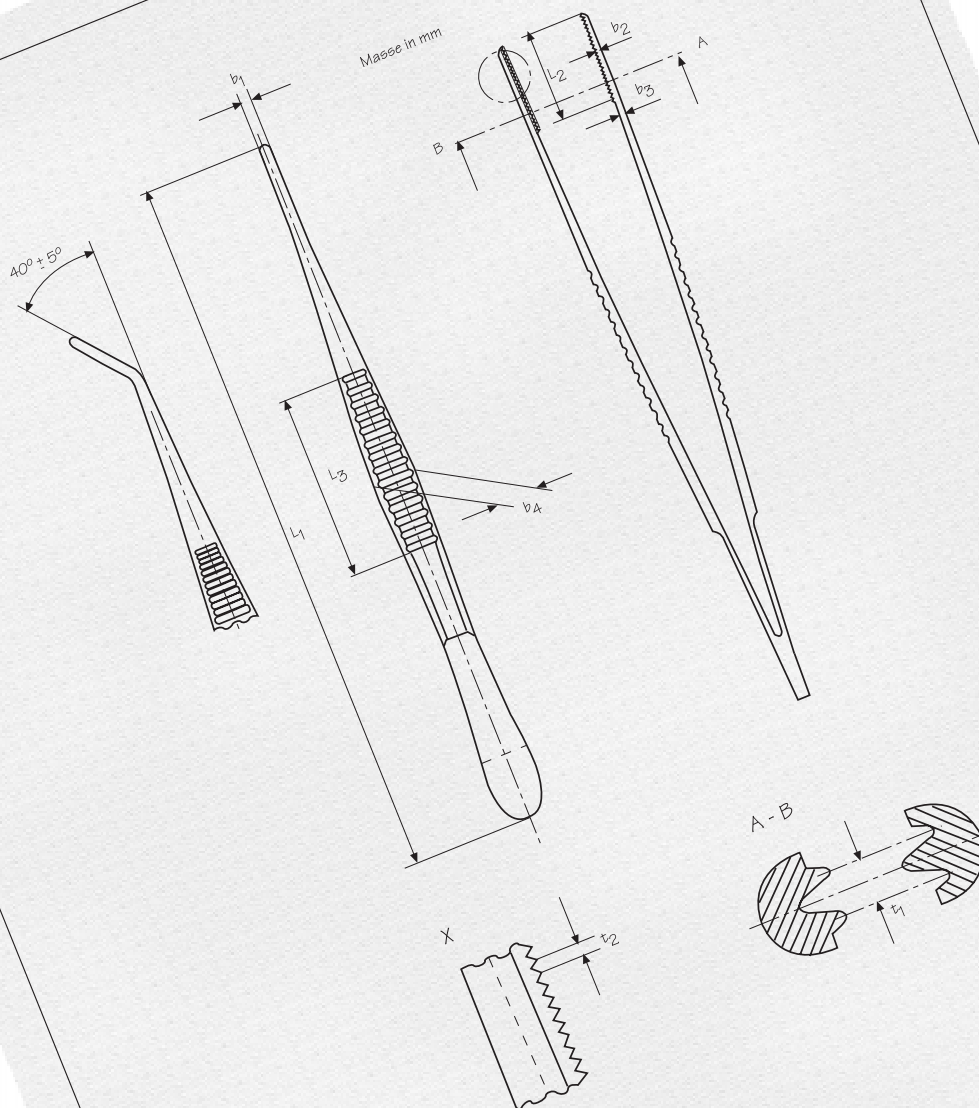
Als brillianter Professor der

Anatomie und Chirurgie führte er die experimentelle Methodik ein. Bevor er neu entwickelte Techniken an Menschen anwandte, erprobte er diese an Tieren. Durch Hunter konnte sich die englische Medizinwissenschaft der französischen oder deutschen angleichen. Hunters Tod war tragisch: Mit der Absicht, über die Gonorrhöe mehr zu erfahren, spritzte er sich selbst Eiter von einem Patienten ein. Später stellte sich heraus, daß der Patient in Wirklichkeit an Syphilis erkrankt war. Es ist anzunehmen, daß Hunter an derselben Krankheit starb.

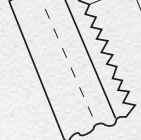


11

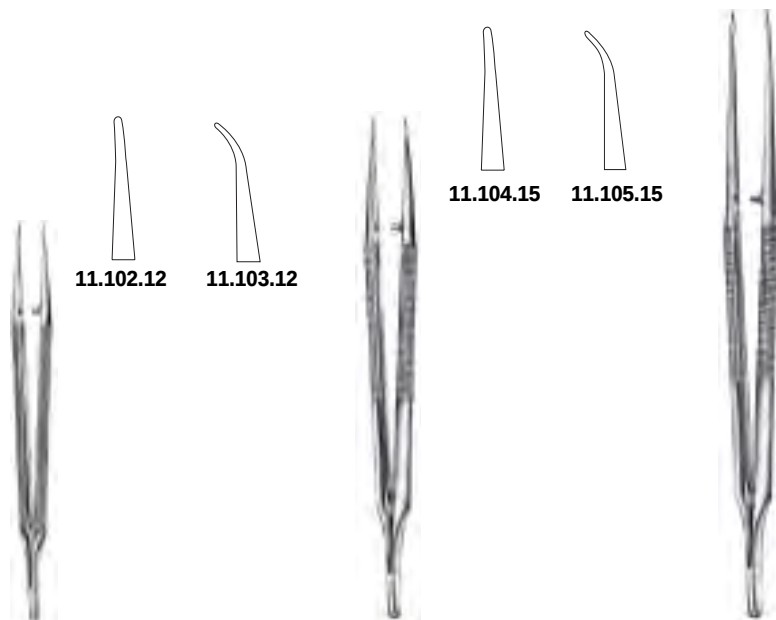
Atraumatic Forceps
Pinzas Atraumáticas
Atraumatische Pinzetten



F		GENERAL CATALOGUE	Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano	
			gezeichnet / dibujado	July '98	cvd/jvd	Maassstab / escala	
			geprüft / verificado	July '98	cvd	Abt. / acot.	
			Toleranz / tolerancia	June '99	mj	Artikel / artículo	
Stainless Steel inoxidable			DEWIMED®				Artikel-Nr. / No. de arti



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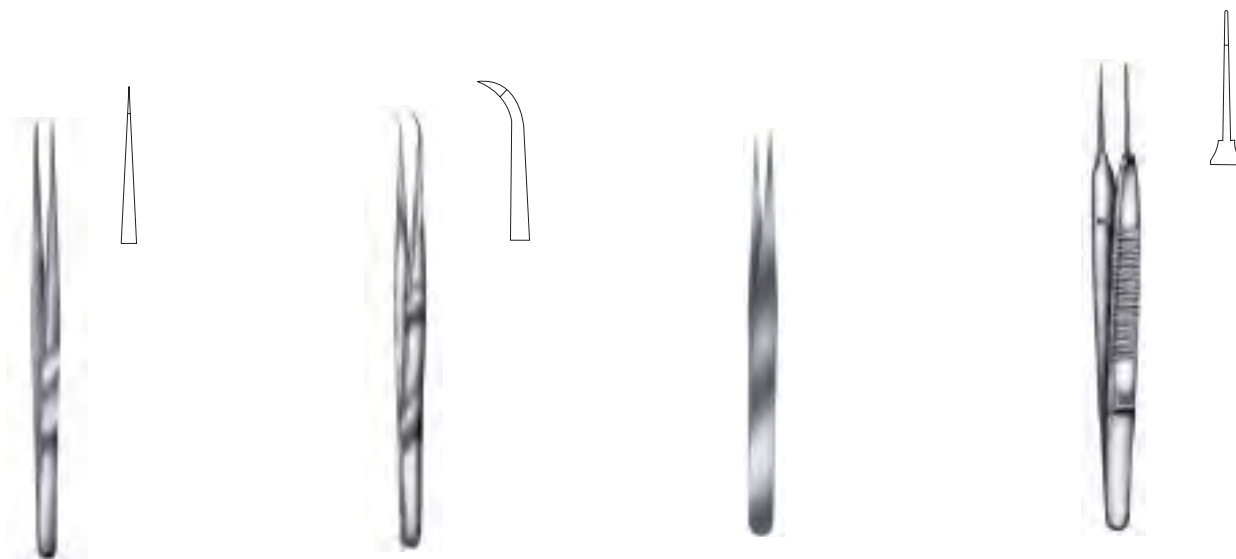


<i>cm</i>		
18	11.108.18	11.109.18
23	11.108.23	

11.102.12 - 11.103.12
12 cm

11.104.15 - 11.105.15
15 cm

11.108.18 - 11.109.18

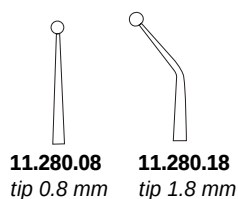
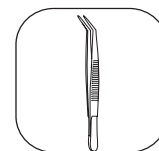


VISE
11.130.13
tip 0.3 mm

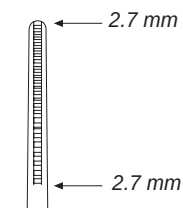
VISE
11.131.13
tip 0.3 mm

11.132.12
tip 0.3 mm

AUSTIN
11.134.14
tip 0.8 mm

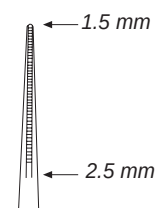


11.280.08 - 11.280.18
18 cm



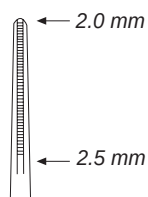
16	11.304.16
20	11.304.20
24	11.304.24
30	11.304.30

DE BAKEY
11.304.16 - 11.304.30



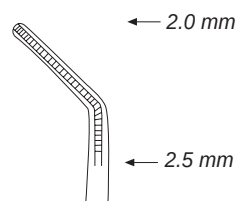
16	11.306.16
20	11.306.20
24	11.306.24

DE BAKEY
11.306.16 - 11.306.24



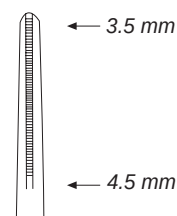
16	11.308.16
20	11.308.20
24	11.308.24
30	11.308.30

DE BAKEY
11.308.16 - 11.308.30



16	11.309.16
20	11.309.20
24	11.309.24
30	11.309.30

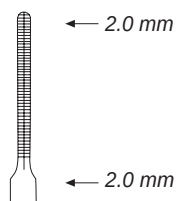
DE BAKEY
11.309.16 - 11.309.30



16	11.310.16
20	11.310.20
24	11.310.24
30	11.310.30

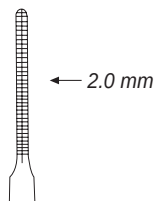
DE BAKEY
11.310.16 - 11.310.30



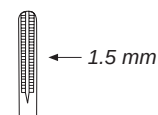


cm	
16	11.314.16
20	11.314.20

COOLEY
11.314.16 - 11.314.20

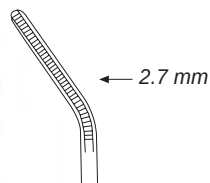


COOLEY
11.314.24
24 cm

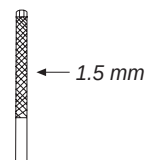


cm	
16	11.316.16
20	11.316.20
24	11.316.24

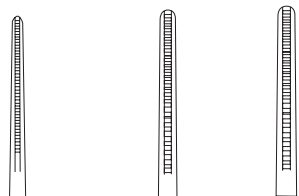
DE BAKEY DIETHRICH
11.316.16 - 11.316.24



DE BAKEY
11.333.30
30 cm



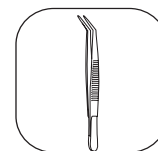
DE BAKEY
11.402.15 TC - 11.402.24 TC
2 x 4 teeth



cm	1.5 mm	2.4 mm	2.7 mm
15.0	11.322.16		11.332.15
19.5	11.322.20		11.332.20
24.0	11.322.24	11.324.24	11.332.24
30.0			11.332.30

11.322.16 - 11.332.30

cm	
15.0	11.402.15 TC
19.5	11.402.20 TC
24.0	11.402.24 TC



cm	1.5 mm	2.0 mm
15	11.404.15 TC	11.412.15 TC
19	11.404.19 TC	11.412.19 TC
24	11.404.24 TC	11.412.24 TC

DE BAKEY

11.404.15 TC - 11.412.24 TC



cm	2.7 mm 6 x 12 teeth	3.5 mm 6 x 12 teeth	2.0 mm 2 x 4 teeth	2.7 mm 2 x 4 teeth	3.5 mm 2 x 4 teeth
15	11.414.15 TC		11.422.15 TC	11.424.15 TC	
19	11.414.19 TC	11.416.19 TC	11.422.19 TC	11.424.19 TC	11.426.19 TC
24	11.414.24 TC	11.416.24 TC	11.422.24 TC	11.424.24 TC	11.426.24 TC

DE BAKEY

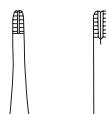
11.414.15 TC - 11.414.24 TC



GREGORY WHEELER
11.452.15



GREGORY WHEELER
11.456.20
20 cm
11.456.24
24 cm



DEWIMED
11.506.16 - 11.509.24

cm		
16	11.506.16	11.509.16
18	11.506.18	11.509.18
20	11.506.20	11.509.20
22	11.506.22	11.509.22
24	11.506.24	11.509.24





DEWIMED
11.510.18
1 x 2 teeth



DEWIMED
11.513.22
tip 3 mm



DEWIMED
11.513.24 - 11.517.24



DEWIMED
11.515.22
tip 5 mm

ø mm

3	11.513.24
5	11.515.24
7	11.517.24



DEWIMED
11.521.22
tip 3 mm



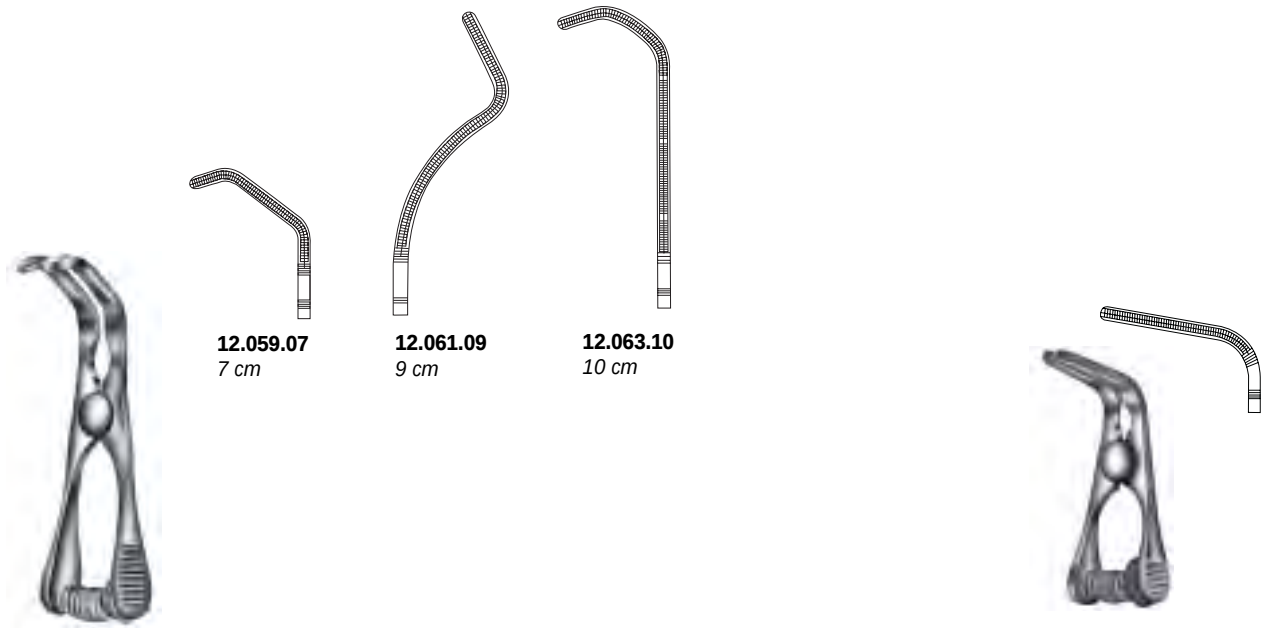
HEIFETZ
11.522.22
tip 3 mm
11.525.22
tip 5 mm



DEWIMED
11.523.22
tip 5 mm



HUNT
11.529.20



12.059.07
7 cm

12.061.09
9 cm

12.063.10
10 cm

GLOVER
12.065.06
5.5 cm

DE BAKY SATINSKY
12.059.07 - 12.063.10

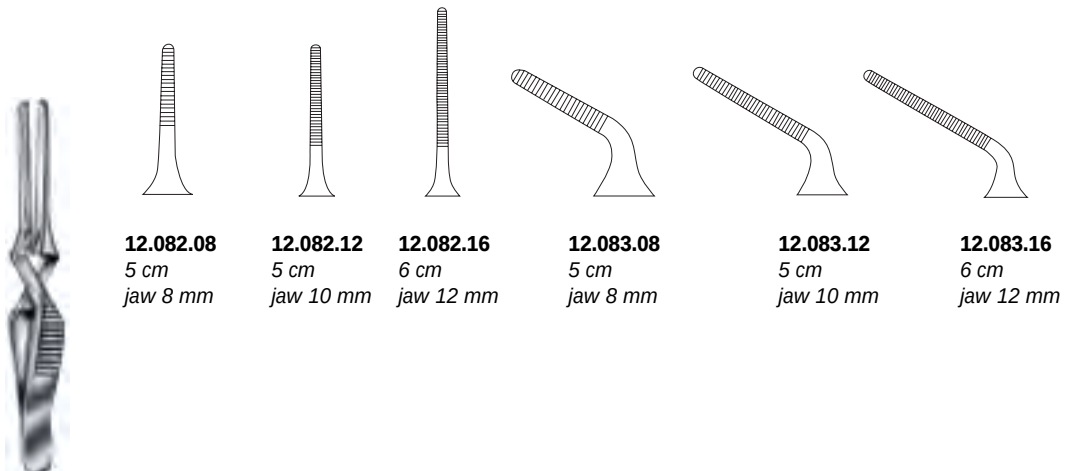


GLOVER
12.070.35
3.5 cm

GLOVER
12.070.50
5 cm

GLOVER
12.071.35
3.5 cm

GLOVER
12.071.50
5 cm



12.082.08
5 cm
jaw 8 mm

12.082.12
5 cm
jaw 10 mm

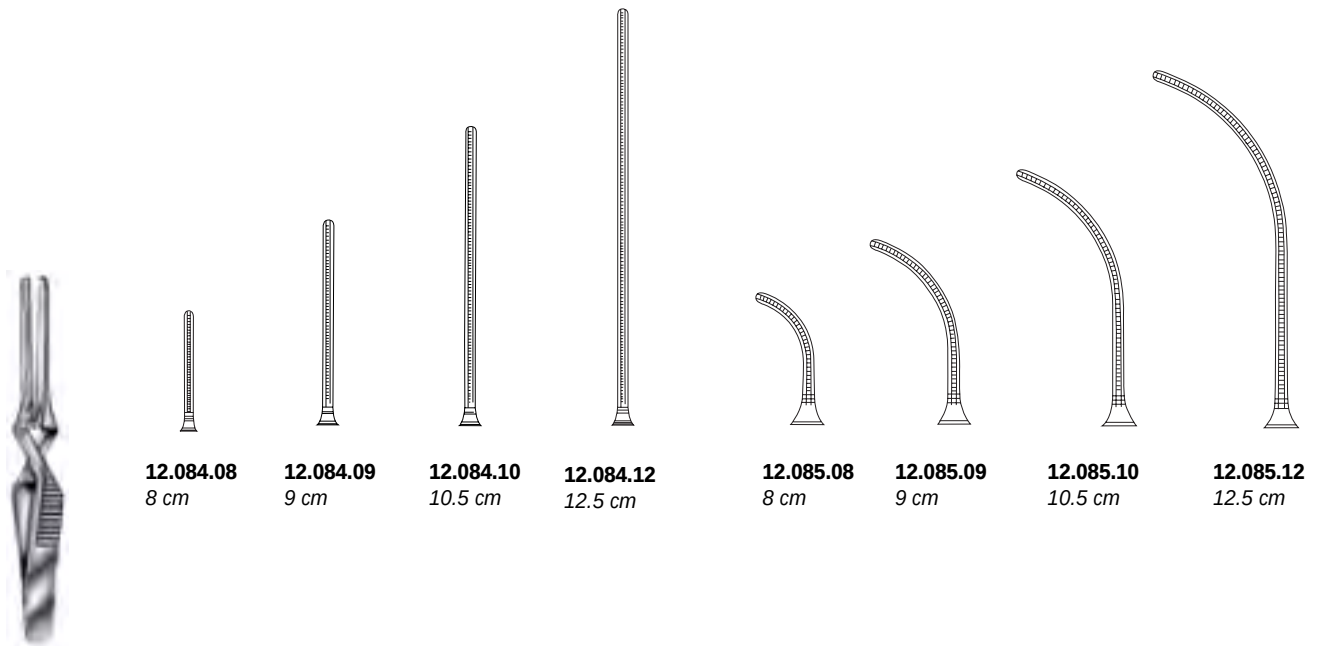
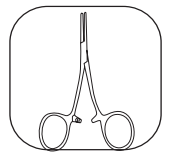
12.082.16
6 cm
jaw 12 mm

12.083.08
5 cm
jaw 8 mm

12.083.12
5 cm
jaw 10 mm

12.083.16
6 cm
jaw 12 mm

DIETRICH
12.082.08 - 12.083.16



12.084.08
8 cm

12.084.09
9 cm

12.084.10
10.5 cm

12.084.12
12.5 cm

12.085.08
8 cm

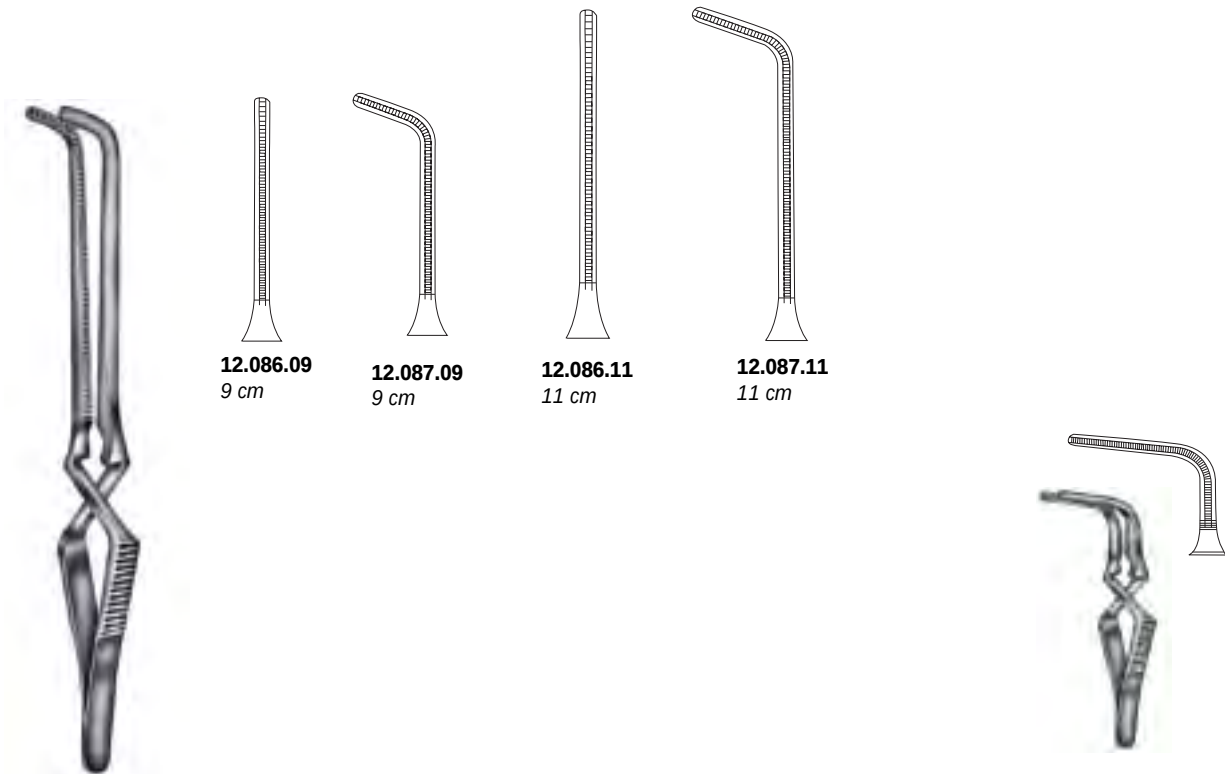
12.085.09
9 cm

12.085.10
10.5 cm

12.085.12
12.5 cm

COOLEY

12.084.08 - 12.085.12



12.086.09
9 cm

12.087.09
9 cm

12.086.11
11 cm

12.087.11
11 cm

GREGORY

12.086.09 - 12.087.11

SANTULLI

12.089.07

7 cm





12.091.23



DE BAKEY
12.092.07 - 12.093.12



12.092.07
7.5 cm



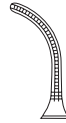
12.092.08
8.5 cm



12.092.10
10.5 cm



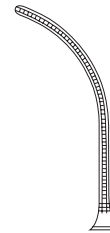
12.092.12
12 cm



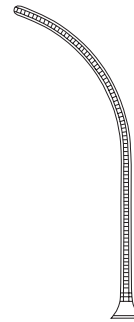
12.093.07
7 cm



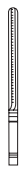
12.093.08
8 cm



12.093.10
10 cm



12.093.12
11.5 cm



12.096.06
10.5 cm



12.096.07
7 cm



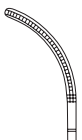
12.096.09
9 cm



12.096.11
11 cm



GLOVER
12.096.06 - 12.097.11



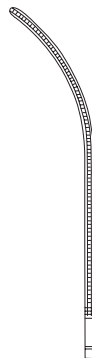
12.097.06
5.5 cm



12.097.07
6.5 cm



12.097.09
8.5 cm



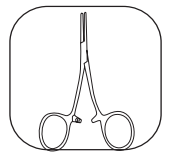
12.097.11
10.5 cm



DIEFFENBACH
12.102.04
3.5 cm
12.102.05
5.5 cm



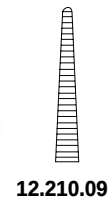
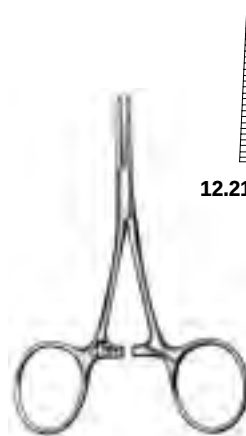
DIEFFENBACH
12.103.04
3.5 cm
12.103.05
5.5 cm



cm

5.0	12.110.50	12.111.50
5.5	12.110.55	12.111.55
6.5	12.110.65	12.111.65
7.0	12.110.70	12.111.70
7.5	12.110.75	12.111.75
9.0	12.110.90	12.111.90

JOHNS HOPKINS
 12.110.50 - 12.111.90

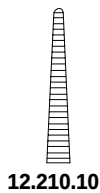
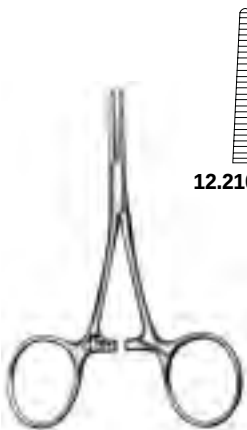


12.210.09



12.211.09

HARTMANN baby
 12.210.09 - 12.211.09
 9 cm

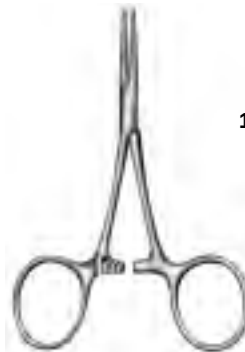


12.210.10



12.211.10

HARTMANN
 12.210.10 - 12.211.10
 10 cm

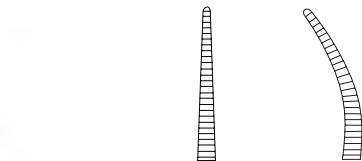
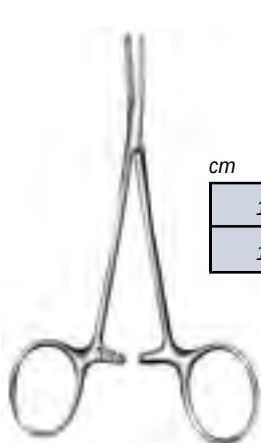


12.212.10



12.213.10

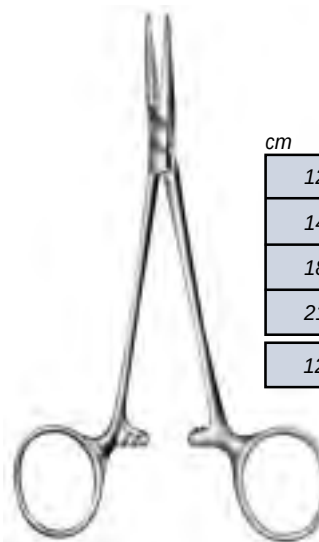
HARTMANN
 12.212.10 - 12.213.10
 10 cm
 1 x 2 teeth



cm

10	12.222.10	12.223.10
12	12.222.12	12.223.12

HALSTED MOSQUITO micro
 12.222.10 - 12.223.12

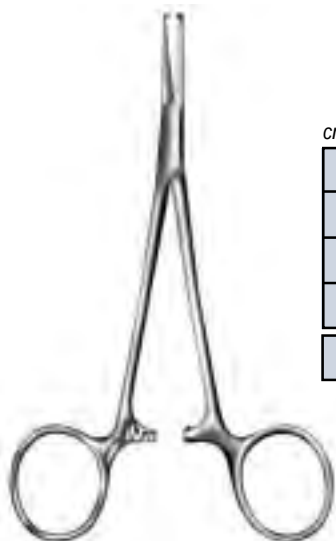


cm

12.5	12.220.12	12.221.12
14.0	12.220.14	12.221.14
18.0	12.220.18	12.221.18
21.0	12.220.21	12.221.21
12.5 T	12.224.12 T	12.225.12 T

HALSTED MOSQUITO
 12.220.12 - 12.225.12 T

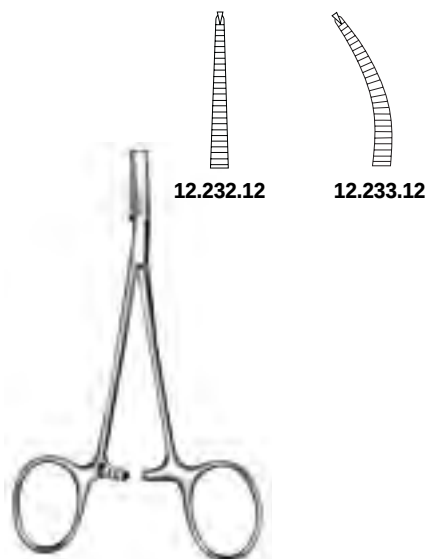




cm		
12.5	12.230.12	12.231.12
14.0	12.230.14	12.231.14
18.0	12.230.18	12.231.18
21.0	12.230.21	12.231.21
12.5 T	12.234.12 T	12.235.12 T

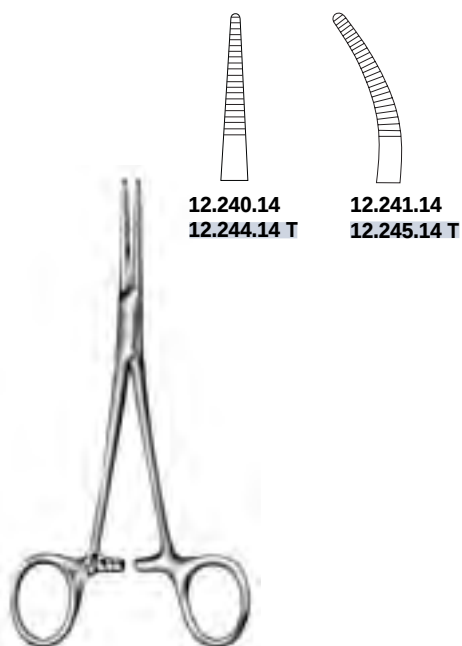
HALSTED MOSQUITO

12.230.12 - 12.235.12 T
1 x 2 teeth



HALSTED MOSQUITO micro

12.232.12 - 12.233.12
12.5 cm
1 x 2 teeth

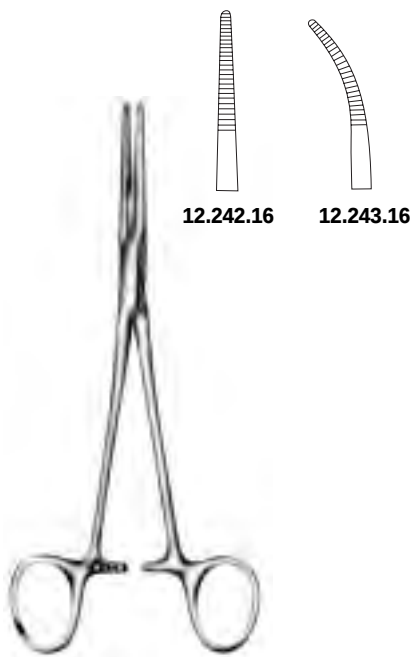


12.240.14
12.244.14 T

12.241.14
12.245.14 T

KELLY

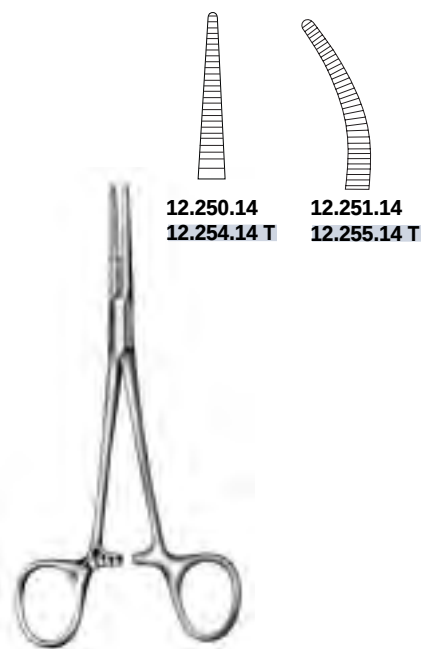
12.240.14 - 12.241.14
12.244.14 T - 12.245.14 T
14 cm



12.242.16
12.243.16

KELLY RANKIN

12.242.16 - 12.243.16
16 cm

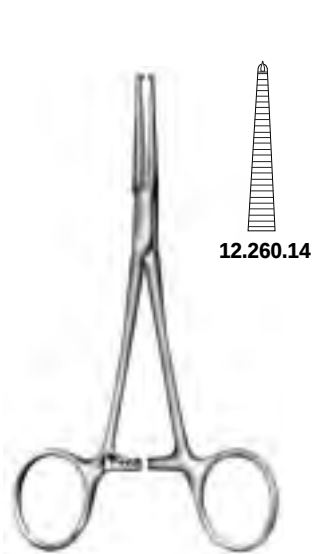
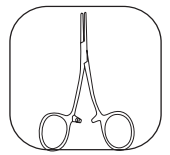


12.250.14
12.254.14 T

12.251.14
12.255.14 T

CRILE

12.250.14 - 12.251.14
14 cm
12.254.14 T - 12.255.14 T
14 cm



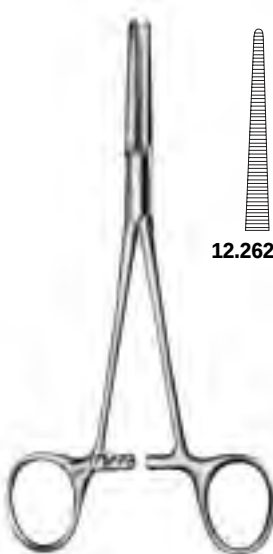
CRILE
12.260.14 - 12.261.14
 14 cm
 1 x 2 teeth



12.260.14



12.261.14



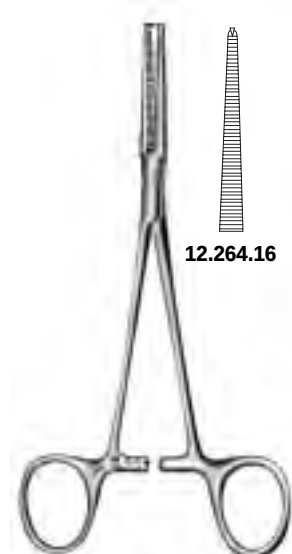
CRILE RANKIN
12.262.16 - 12.263.16
 16 cm



12.262.16



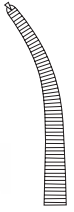
12.263.16



CRILE RANKIN
12.264.16 - 12.265.16
 16 cm
 1 x 2 teeth



12.264.16



12.265.16



PROVIDENCE HOSPITAL
12.270.14 - 12.271.14



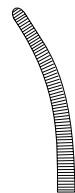
12.270.14



12.271.14



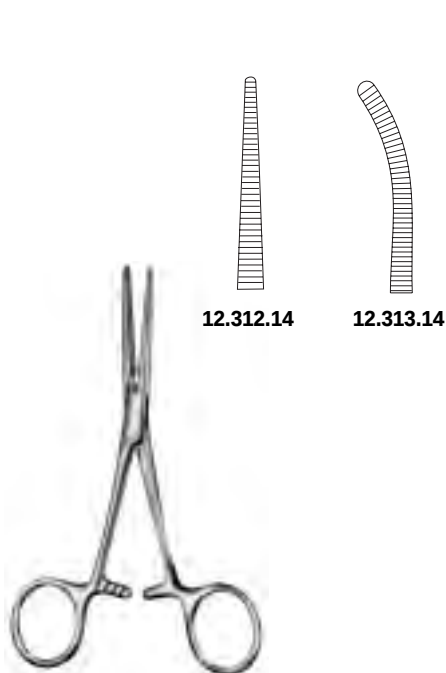
ROCHESTER PEAN
12.310.13 - 12.311.30



cm

13	12.310.13	12.311.13
14	12.310.14	12.311.14
16	12.310.16	12.311.16
18	12.310.18	12.311.18
20	12.310.20	12.311.20
22	12.310.22	12.311.22
24	12.310.24	12.311.24
26	12.310.26	12.311.26
30	12.310.30	12.311.30





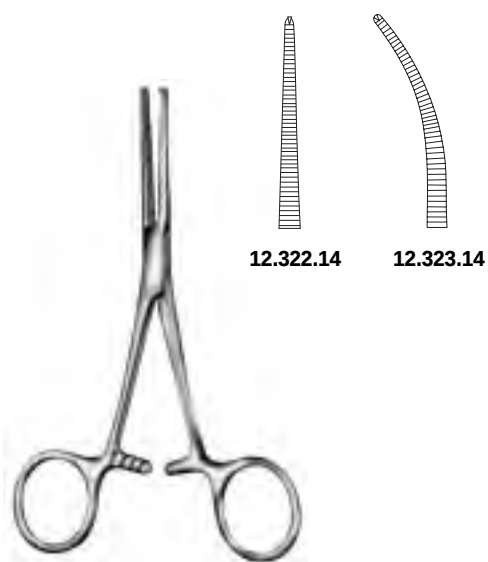
PEAN
12.312.14 - 12.313.14
14 cm



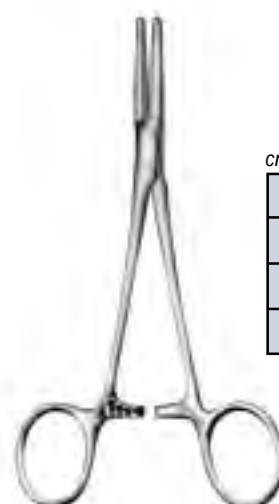
ROCHESTER OCHSNER
12.320.13 - 12.321.30
1 x 2 teeth

cm

13	12.320.13	12.321.13
14	12.320.14	12.321.14
16	12.320.16	12.321.16
18	12.320.18	12.321.18
20	12.320.20	12.321.20
22	12.320.22	12.321.22
24	12.320.24	12.321.24
26	12.320.26	12.321.26
30	12.320.30	12.321.30



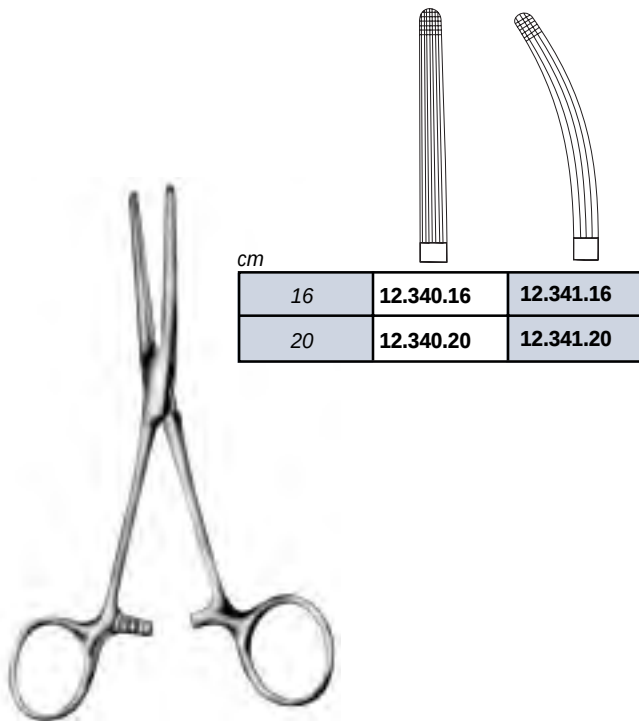
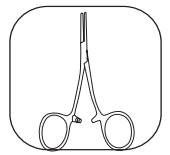
KOCHER
12.322.14 - 12.323.14
14 cm
1 x 2 teeth



SPENCER WELLS
12.330.13 - 12.331.20

cm

13	12.330.13	12.331.13
15	12.330.15	12.331.15
18	12.330.18	12.331.18
20	12.330.20	12.331.20



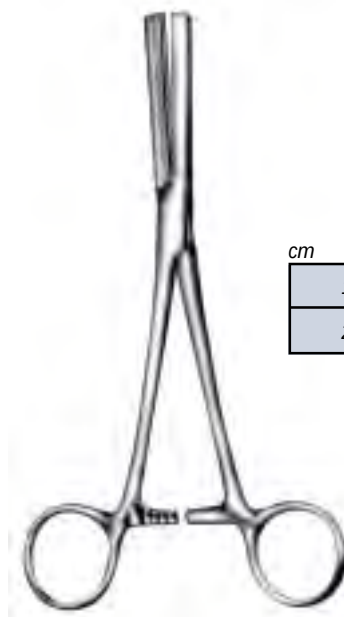
ROCHESTER CARMALT
 12.340.16 - 12.341.20



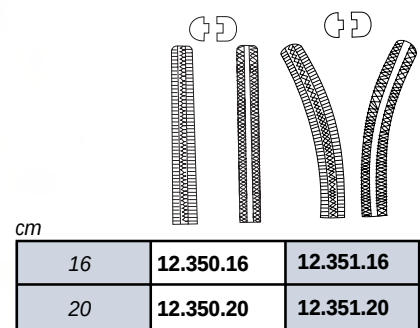
DANDY
 12.345.14
 14 cm

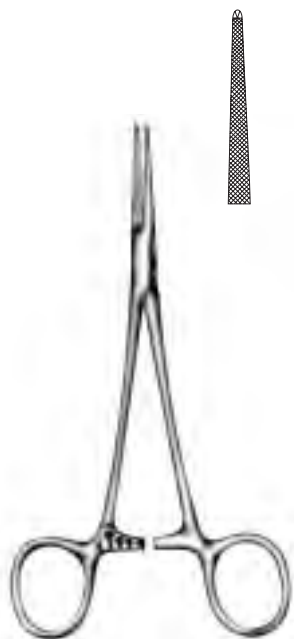


DANDY
 12.347.14
 1 x 2 teeth



FERGUSSON
 12.350.16 - 12.351.20





LOVELACE
12.356.15
15.5 cm



PENNINGTON
12.358.15
15.5 cm
12.358.20
20 cm



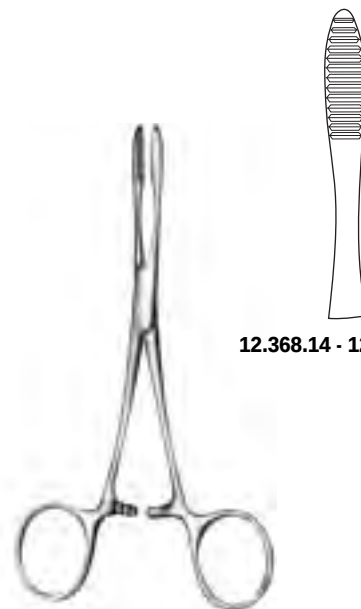
PRATT
12.360.15
15 cm



MARTELL
12.364.14
14 cm

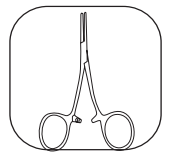


WILLET MARTEL
12.366.19
19 cm



PEAN
12.368.14
14 cm
12.368.16
16 cm

12.368.14 - 12.368.16



CHAPUT
12.370.13
 13 cm



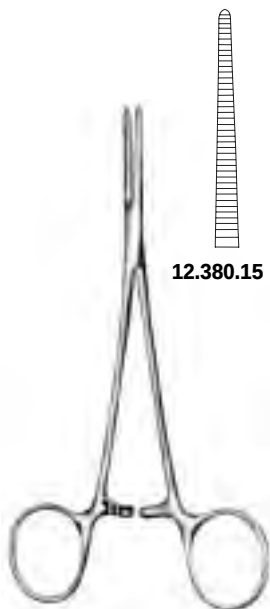
TUFFIER
12.372.13
 13 cm



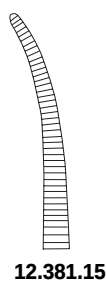
COLLIN
12.374.14
 14 cm



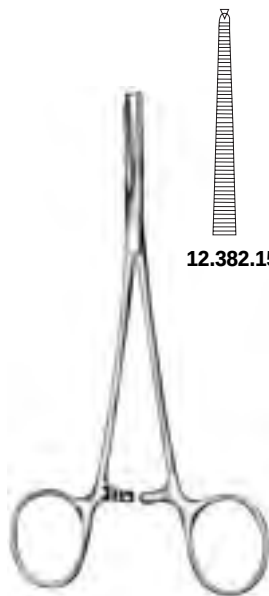
COLLIN
12.376.16
 16 cm



LERICHE
12.380.15 - 12.381.15
 15 cm



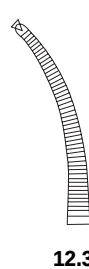
12.381.15



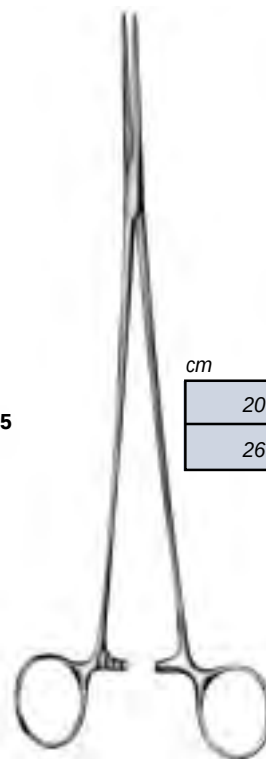
LERICHE
12.382.15 - 12.383.15
 15 cm



12.382.15

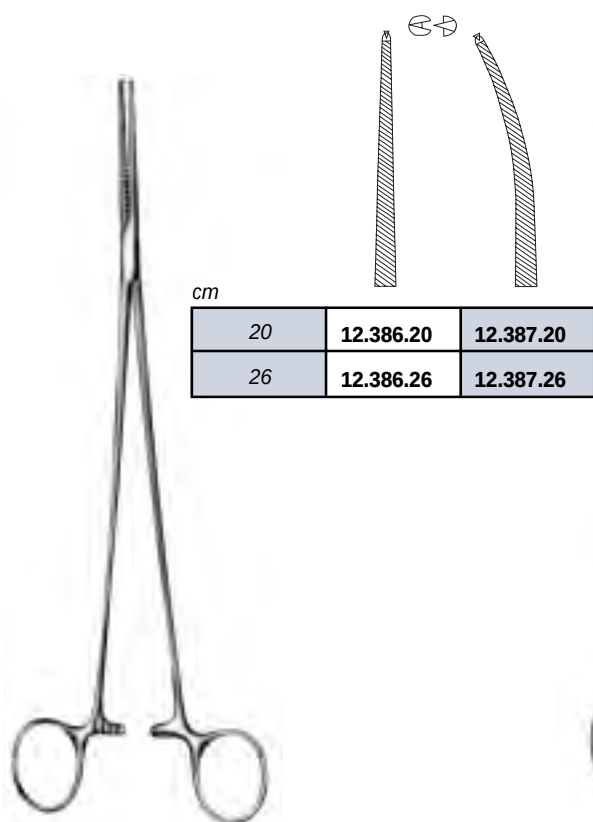


12.383.15

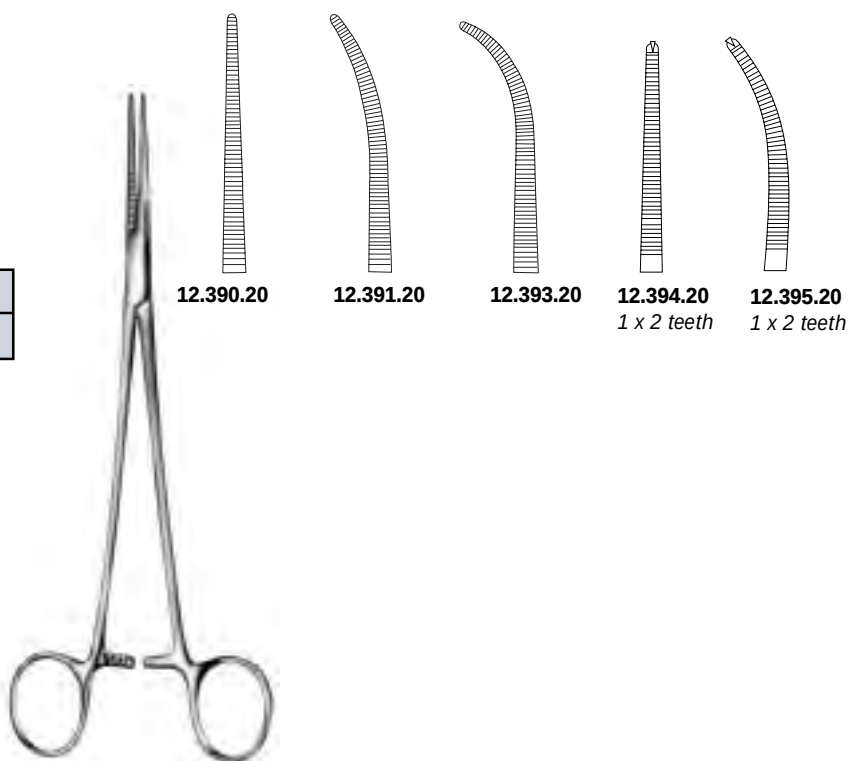


BENGOLEA
12.384.20 - 12.385.26

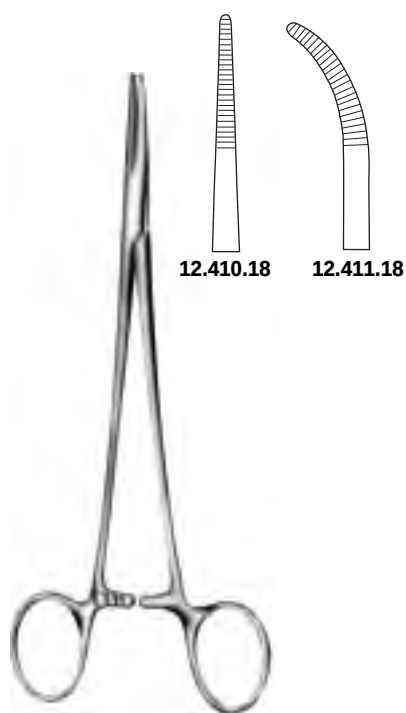
cm		
20	12.384.20	12.385.20
26	12.384.26	12.385.26



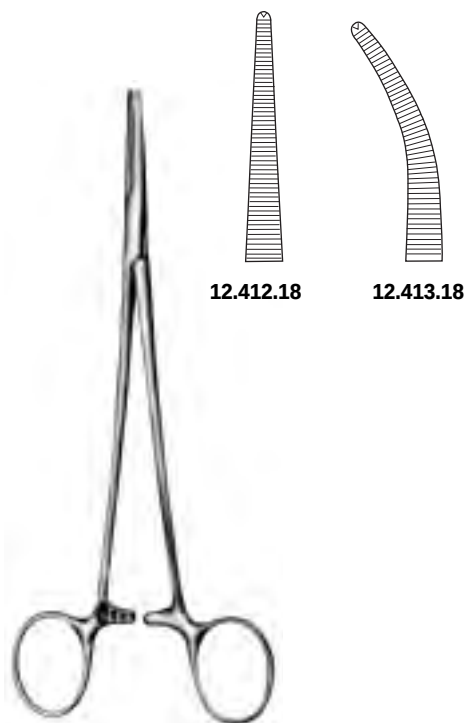
BENGOLEA
12.386.20 - 12.387.26
1 x 2 teeth



HEISS
12.390.20 - 12.395.20
20 cm



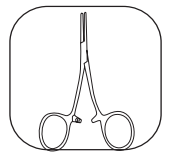
ADSON
12.410.18 - 12.411.18
18.5 cm



ADSON
12.412.18 - 12.413.18
18.5 cm
1 x 2 teeth



ADSON baby
12.415.18
18 cm

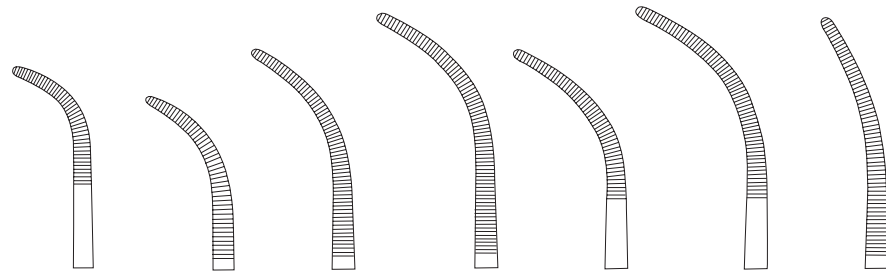
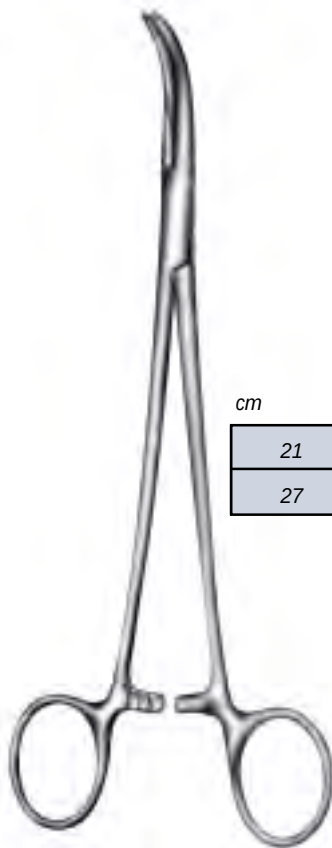


vasectomy ring forceps
12.416.14
 14 cm / ø 35 mm



hemostatic vasectomy forceps
short, curved, plain tips
12.417.14
 14 cm

dissecting and ligature forceps



cm

21	12.421.01	12.421.02	12.421.03	12.421.04	12.421.05	12.421.06	12.421.07
27	12.427.01	12.427.02	12.427.03	12.427.04	12.427.05	12.427.06	12.427.07

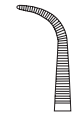
OVERHOLT GEISSENDOERFER
 12.421.01 - 12.427.08



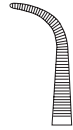


dissecting and ligature forceps

GEMINI 12.431.13 - 12.431.28



12.431.13
13 cm



12.431.16
16 cm



12.431.18
18 cm



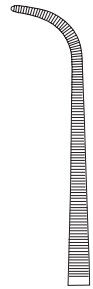
12.431.20
20 cm



12.431.23
23 cm



12.431.25
25 cm



12.431.28
28 cm

GEMINI mini 12.433.18 - 12.433.28



12.433.18
18 cm



12.433.22
22 cm

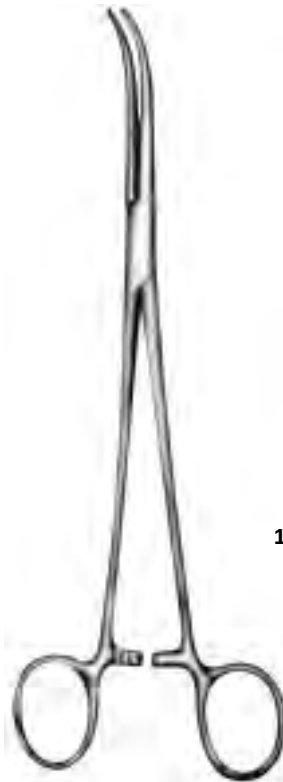


12.433.25
25 cm



12.433.28
28 cm

GEMINI
12.431.13 - 12.431.28
GEMINI mini
12.433.18 - 12.433.25



12.441.01



12.441.02

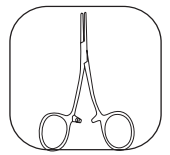


12.441.03



12.441.04

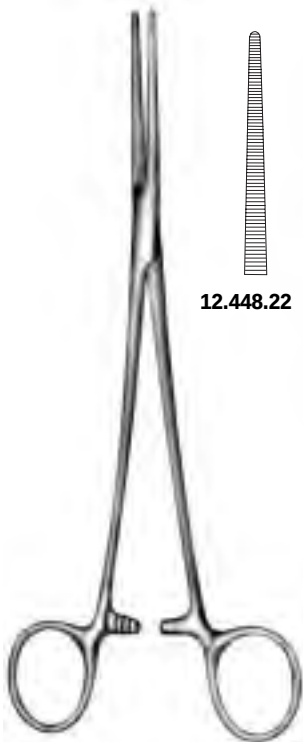
RUMEL
12.441.01 - 12.441.04
23 cm



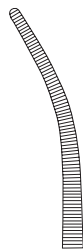
cm

21	12.442.21	12.443.21	12.444.21	12.445.21
26	12.442.26	12.443.26	12.444.26	12.445.26

TOENNIS
12.442.21 - 12.445.26

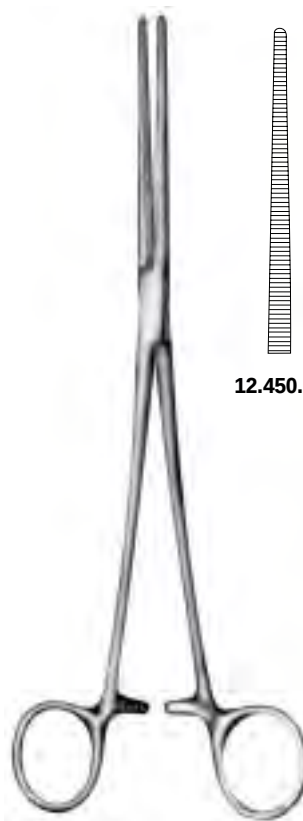


12.448.22

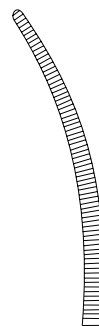


12.449.22

ROBERTS
12.448.22 - 12.449.22
22 cm

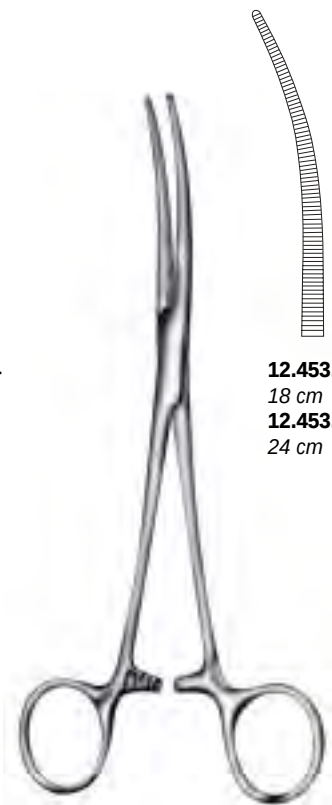


12.450.24



12.451.24

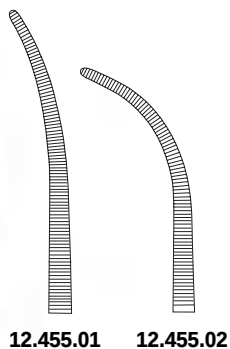
SAROT
12.450.24 - 12.451.24
22 cm



12.453.18
18 cm
12.453.24
24 cm

CRAFOORD
12.453.18 - 12.453.24

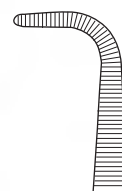




ZENKER
12.455.01 - 12.455.02
29.5 cm



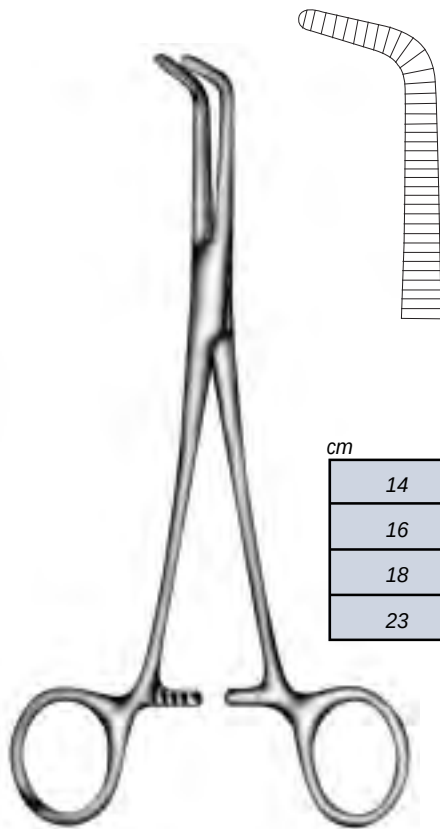
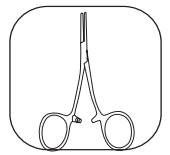
LAWRENCE
12.457.28
28 cm



MEEKER
12.459.28
28 cm



12.469.14
14 cm



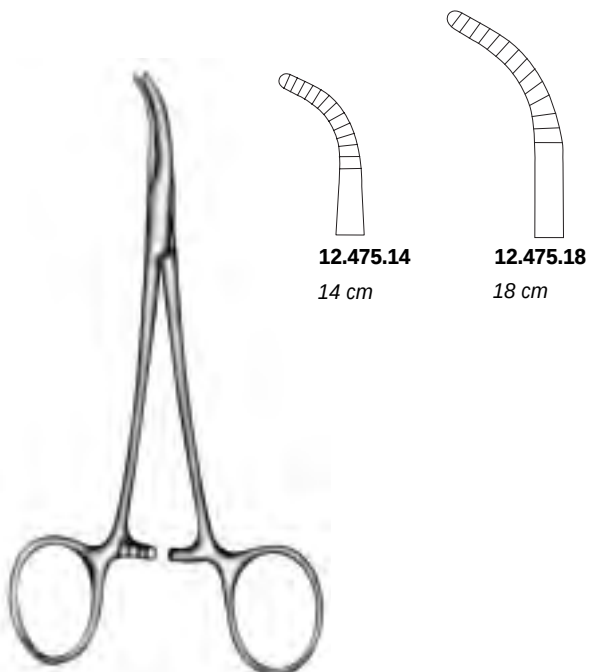
cm

14	12.471.14
16	12.471.16
18	12.471.18
23	12.471.23

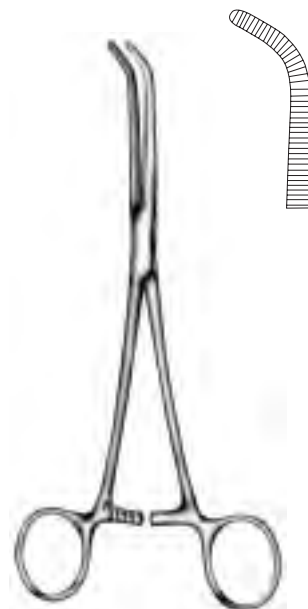
MIXTER
 12.471.14 - 12.471.23



MIXTER
 12.473.22
 22 cm



MIXTER baby
 12.475.14 - 12.475.18

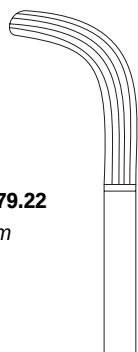


MIXTER O'SHAUGNESSY
 12.477.15
 15.5 cm
 12.477.19
 19.0 cm

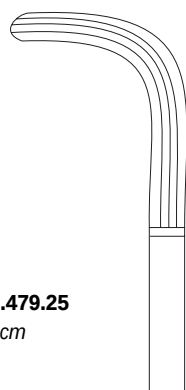




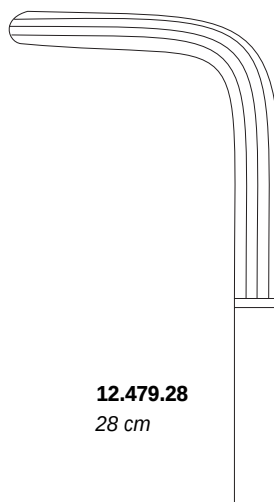
12.479.22
22 cm



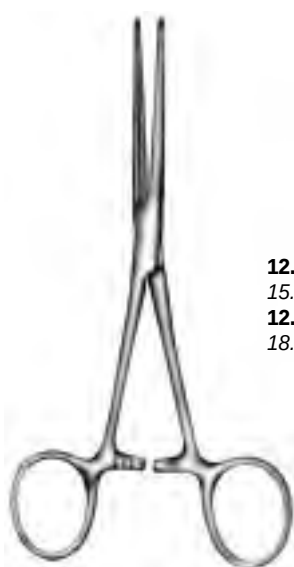
12.479.25
25 cm



12.479.28
28 cm



MIXTER
12.479.22 - 12.479.28

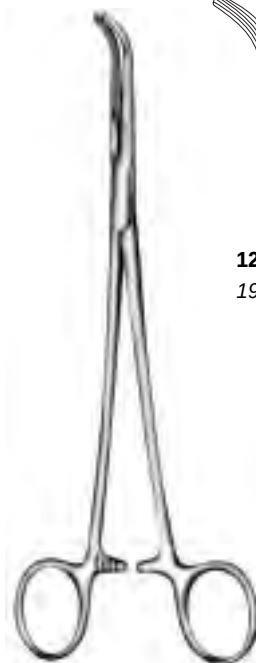


12.480.15
15.0 cm
12.480.18
18.5 cm



12.481.15
15.0 cm
12.481.18
18.5 cm

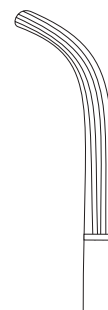
BAINBRIDGE
12.480.15 - 12.481.18



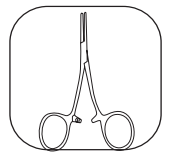
12.491.19
19 cm



12.493.23
23 cm



LAHEY
12.491.19 - 12.493.23



LOWER
12.495.18
 18 cm



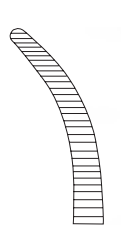
JOHNS HOPKINS
12.497.20
 20 cm



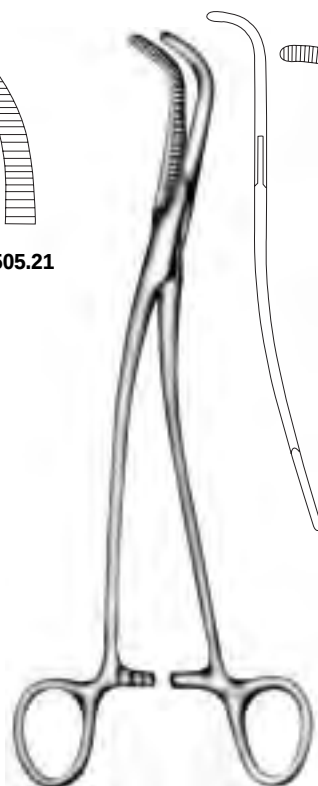
MOYNIHAN
12.501.23
 23 cm



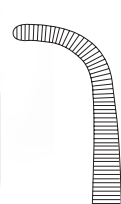
DESJARDINS
12.503.21 - 12.505.21
 21 cm



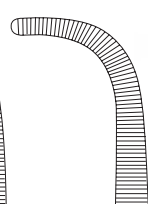
12.505.21



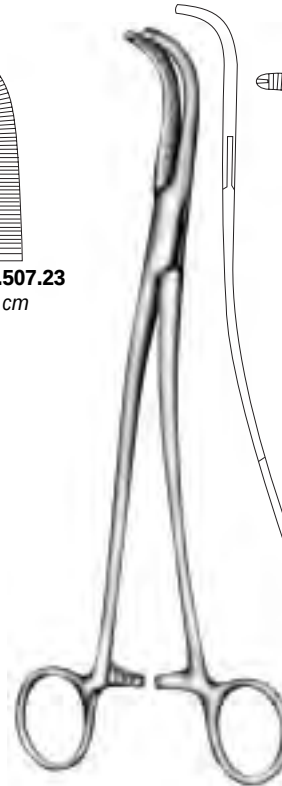
GRAY
12.507.22 - 12.507.23



12.507.22
 22 cm



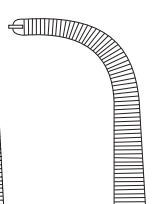
12.507.23
 23 cm



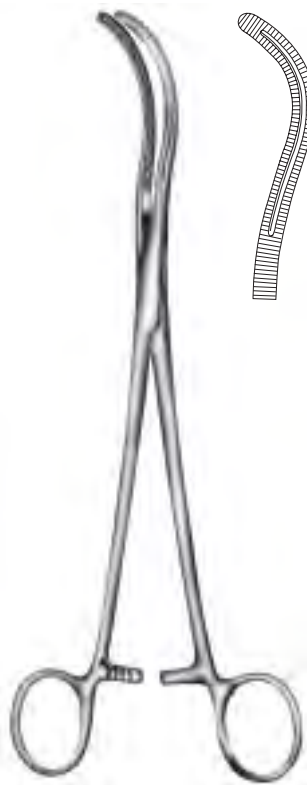
GRAY
12.509.22 - 12.509.23



12.509.22
 22 cm



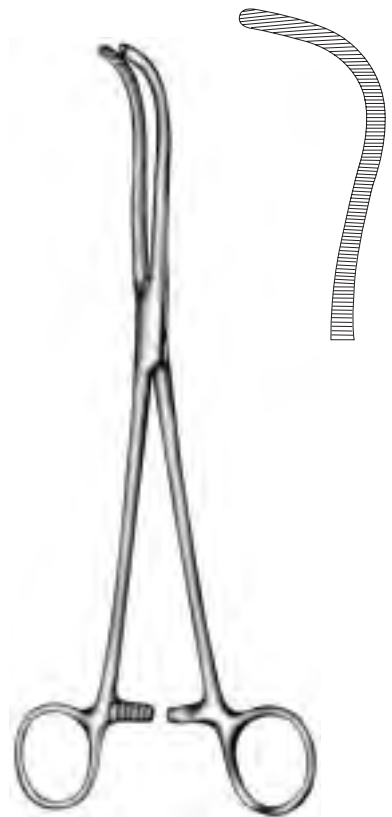
12.509.23
 23 cm



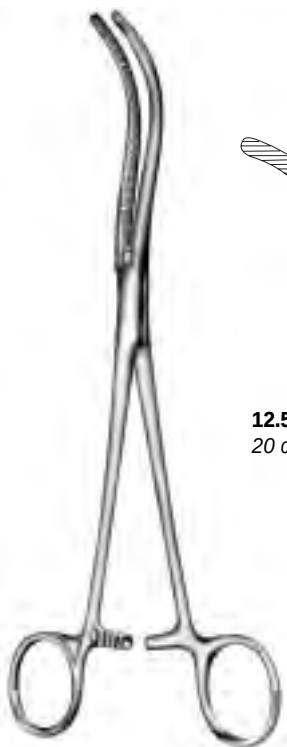
STILLE
12.513.23
23 cm



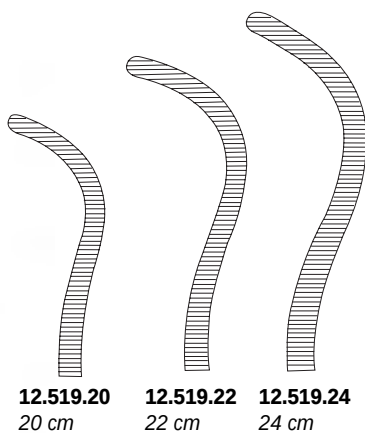
MAYO GUYON
12.515.23
23 cm



GUYON
12.517.23
23 cm



GUYON
12.519.20 - 12.519.24



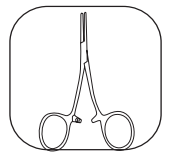
12.519.20
20 cm

12.519.22
22 cm

12.519.24
24 cm



HERRICK
12.523.23
23 cm



MIKULICZ
12.551.20
 20 cm



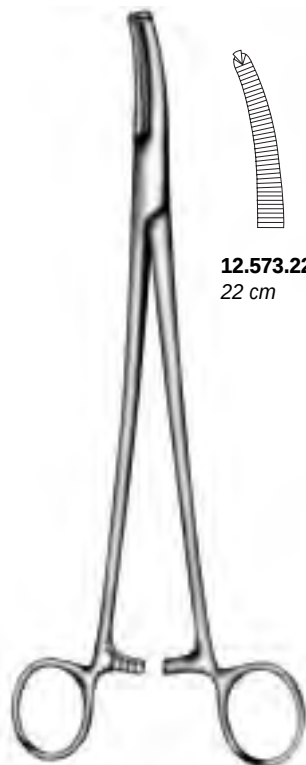
PHANEUF
12.554.21 - 12.555.21
 21 cm



FAURE
12.561.20 - 12.563.20
 20 cm



WERTHEIM
12.571.25
 25 cm



WERTHEIM
12.573.22 - 12.575.23

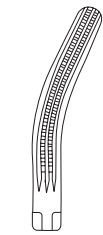


WERTHEIM CULLEN
12.579.21
 21.5 cm

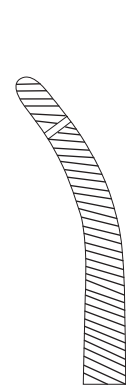




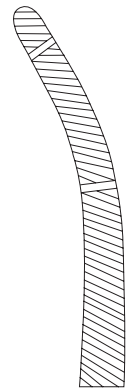
12.580.21
21.5 cm
12.580.25
25.5 cm



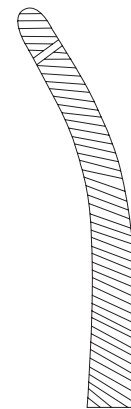
12.581.21
21.5 cm
12.581.25
25.5 cm



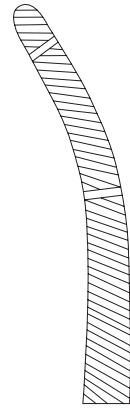
12.591.20
1 teeth



12.593.20
2 teeth



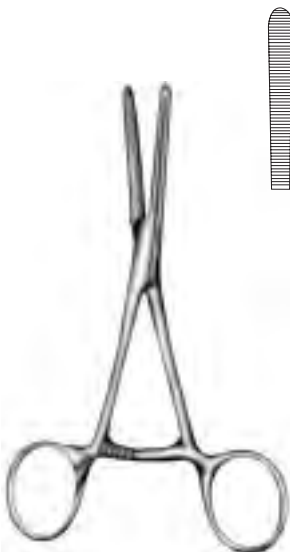
12.591.23
1 teeth



12.593.23
2 teeth

ROBERTS
12.580.21 - 12.581.25

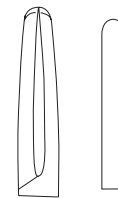
HEANEY
12.591.20 - 12.593.20
20 cm



12.702.14
14.5 cm

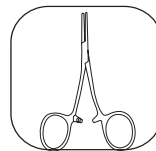


12.704.16 - 12.704.20

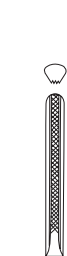


cm

16	12.704.16
18	12.704.18
20	12.704.20



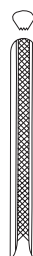
12.710.15 - 12.710.20



12.710.15
15 cm



12.710.18
18 cm



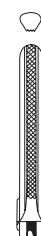
12.710.20
20 cm



12.712.15 - 12.712.20



12.712.15
15 cm



12.712.18
18 cm

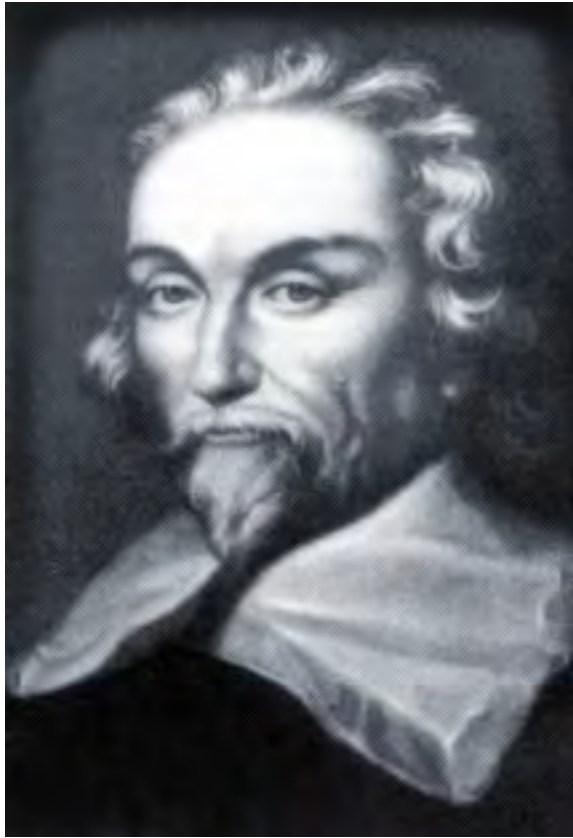


12.712.20
20 cm



GUNNAR HEY
12.722.18





WILLIAM HARVEY 1578 - 1657

Was born in Folkestone, England in 1578.

After having studied anatomy in Padua, he moved to London, England.

Harvey established the principles of blood circulation. Without doubt a discovery that affected the concepts of physiology.

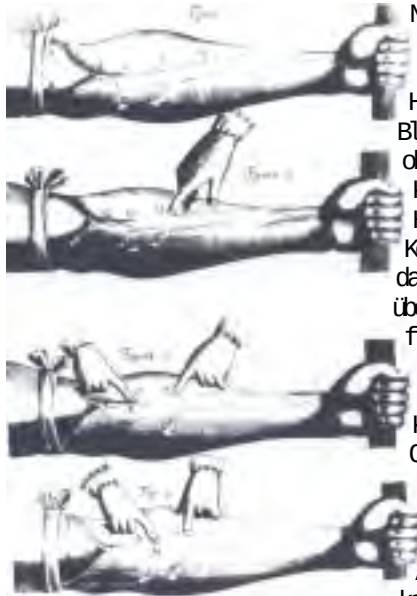
He demonstrated that when the heart contracts, the blood goes from the right ventricle through the pulmonary artery to the lungs. After that the blood passes through the left auricle and ventricle into the general blood circulation.

Even though it was not possible for Harvey to prove the existence of capillaries, he assured the existence of anastomosis between arteries and veins.

So it was possible for him to justify his circulation concept.

Nació en Folkestone, Inglaterra en 1578.

Después de haber estudiado anatomía en Padua, se sitúa en Londres, Inglaterra. Harvey estableció los principios de la circulación. Un descubrimiento que afectaría enormemente los conceptos sobre fisiología. Demostró que cuando el corazón contrae en sístole, la sangre del ventrículo derecho pasa hacia la arteria pulmonar y de allí al pulmón. Después, la sangre pasa hacia la aurícula y ventrículo izquierdos hacia la circulación general. Aunque no pudo demostrar la existencia de los capilares, Harvey teorizó que debía existir anastomosis entre arterias y venas, para hacer posible sus concepto de una circulación completa.



Wurde in Folkestone, England, 1578 geboren.

Nachdem er in Padua Anatomie studiert hatte, ließ er sich in London, England, nieder.

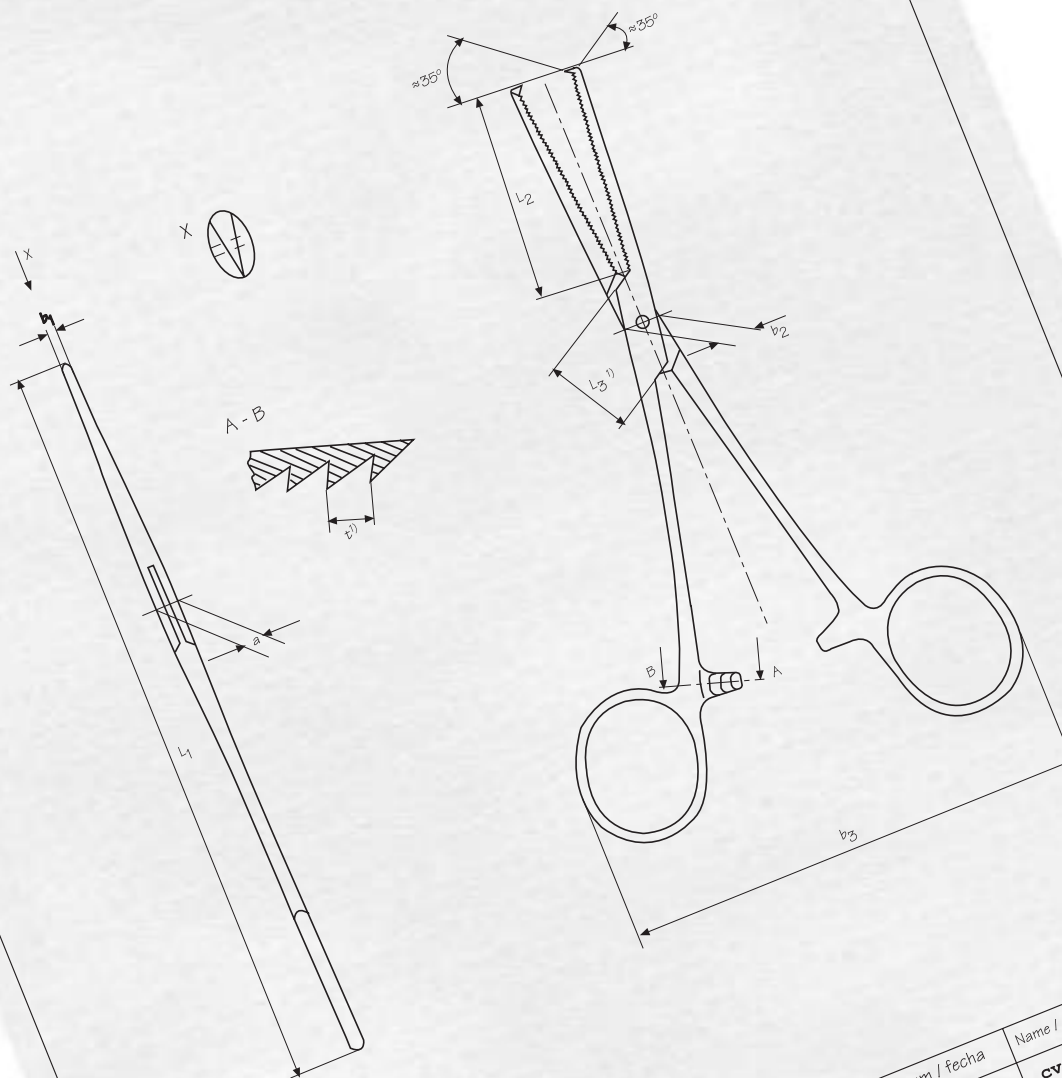
Harvey stellte die Prinzipien des Blutkreislaufs auf. Eine Entdeckung, die ohne Zweifel gängige physiologische Konzepte beeinflusst hat.

Harvey hat bewiesen, daß bei Kontraktion des Herzens (Systole) das Blut von der rechten Herzkammer über die Lungenarterie in die Lunge fließt. Von dort aus fließt das Blut über den linken Vorhof und die linke Herzkammer in den allgemeinen Kreislauf.

Obwohl es Harvey nicht möglich war, die Existenz von Kapillaren nachzuweisen, war er sich der Existenz von Anastomosen zwischen Arterien und Venen sicher. Nur so konnte er sein Kreislaufkonzept rechtfertigen.



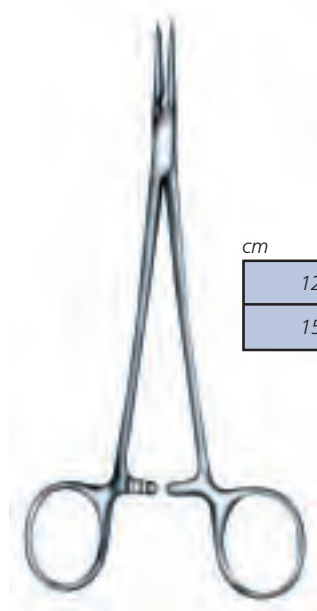
Atraumatic Hemostatic Forceps
Pinzas Hemostáticas
Atraumatische Klemmen



GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
F		gezeichnet / dibujado	July '98	cvd/jvd	Maasstab / escala 1:1
		geprüft / verificado	July '98	cvd	Abt. / acot. mm
		Toleranz / tolerancia	June '99	mj	Artikel / artículo
	Stainless Steel inoxidable				Artikel-Nr. / No. de artículo


DEWIMED®

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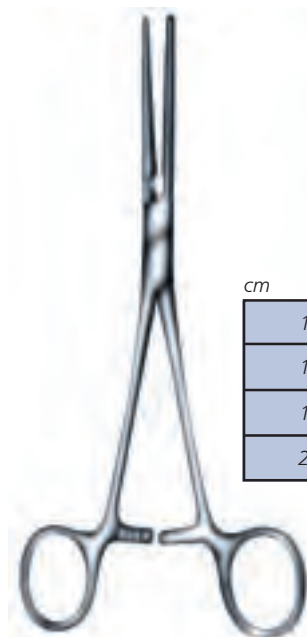


cm

12	13.080.12	13.081.12
15	13.080.15	13.081.15

HALSTED

13.080.12 - 13.081.15

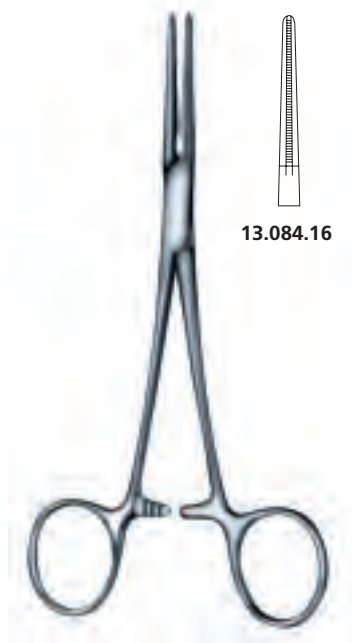


cm

14	13.082.14	13.083.14
16	13.082.16	13.083.16
18	13.082.18	13.083.18
20	13.082.20	13.083.20

PEAN

13.082.14 - 13.083.20



13.084.16

13.085.16

RANKIN

13.084.16 - 13.085.16

16 cm



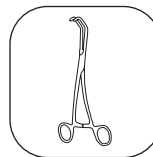
13.102.12

13.103.12

DEBAKEY

13.102.12 - 13.103.12

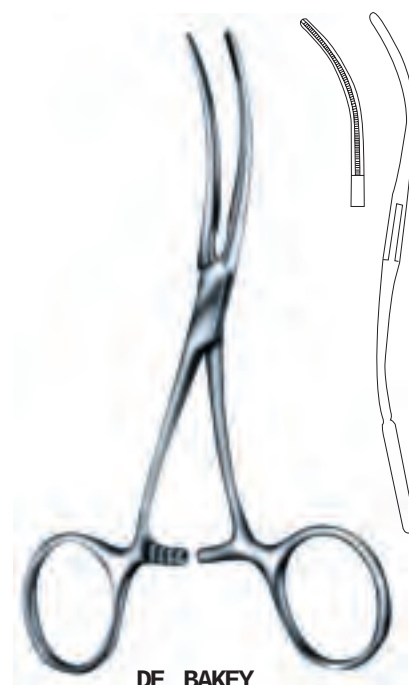
12 cm



DE BAKEY
 13.111.12
 12 cm



DE BAKEY
 13.113.12
 12 cm



DE BAKEY
 13.121.12
 12 cm



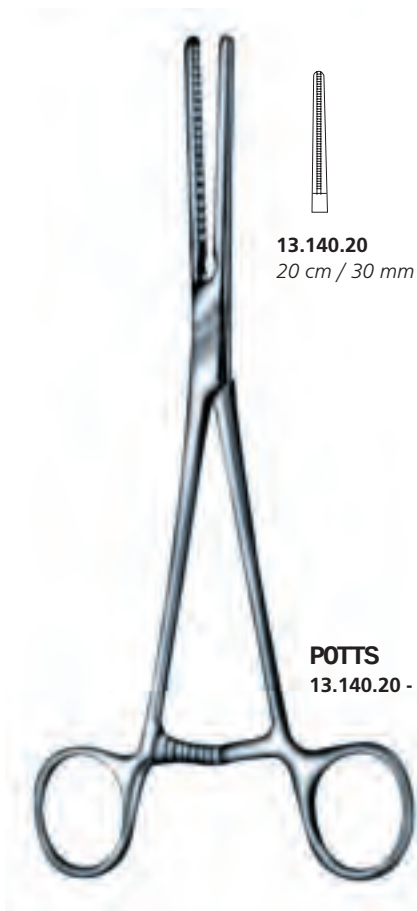
13.131.25
 25 cm
 13.131.23
 23 cm

LEES
 13.131.23 - 13.131.25



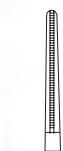
LEES
 13.133.25
 25 cm





POTTS

13.140.20 - 13.141.22



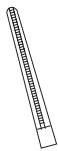
13.140.20

20 cm / 30 mm



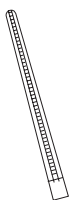
13.140.22

22.5 cm / 55 mm



13.141.20

20 cm / 30 mm



13.141.22

22.5 cm / 55 mm

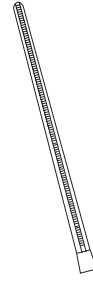


GLOVER

13.140.26 - 13.141.26
26 cm / 80 mm

13.140.26

13.141.26



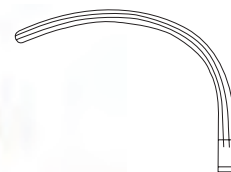
POTTS

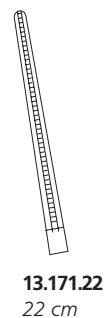
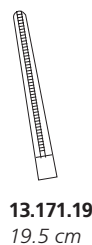
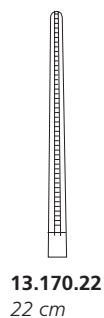
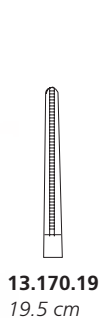
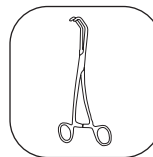
13.151.21
21 cm / 55 mm



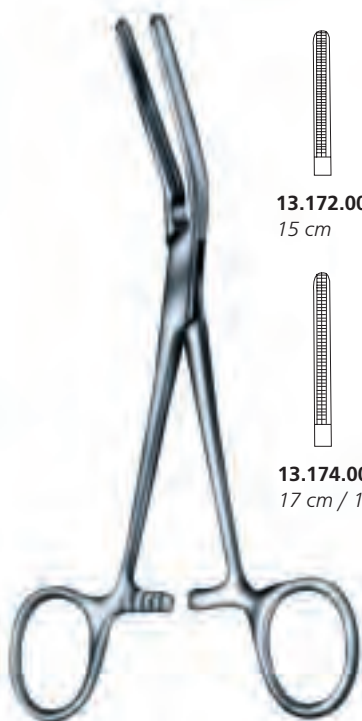
GLOVER

13.151.24
24 cm



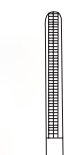


DE BAKEY
 13.170.19 - 13.171.22

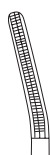


DARDIK

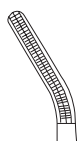
13.172.00 - 13.174.90



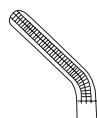
13.172.00
15 cm



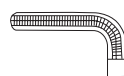
13.172.15
15 cm / 15°



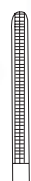
13.172.30
15 cm / 30°



13.172.45
15 cm / 45°



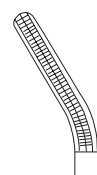
13.172.90
14 cm / 90°



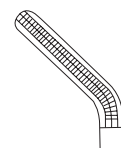
13.174.00
17 cm / 15°



13.174.15
15 cm / 15°



13.174.30
15 cm / 30°



13.174.45
15 cm / 45°

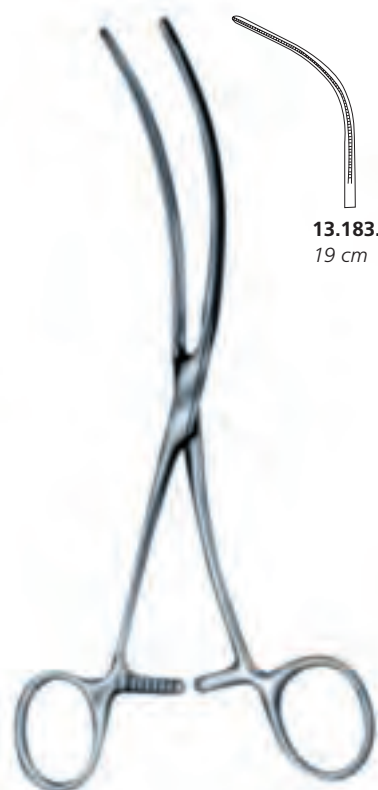


13.174.90
15 cm / 90°



LELAND JONES

13.181.19
19 cm



DE BAKEY

13.183.19 - 13.183.20



13.183.19
19 cm

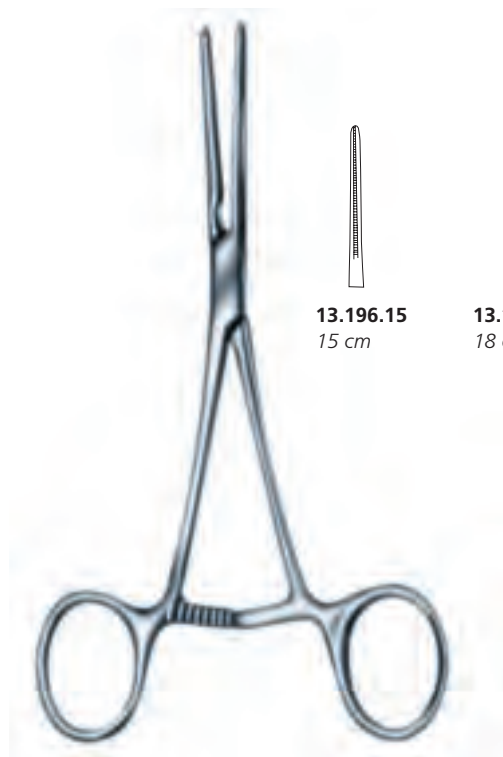
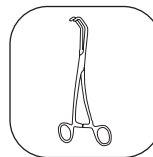


13.183.20
20 cm



DE BAKEY

13.191.16
16 cm



13.196.15
15 cm

13.196.18
18 cm

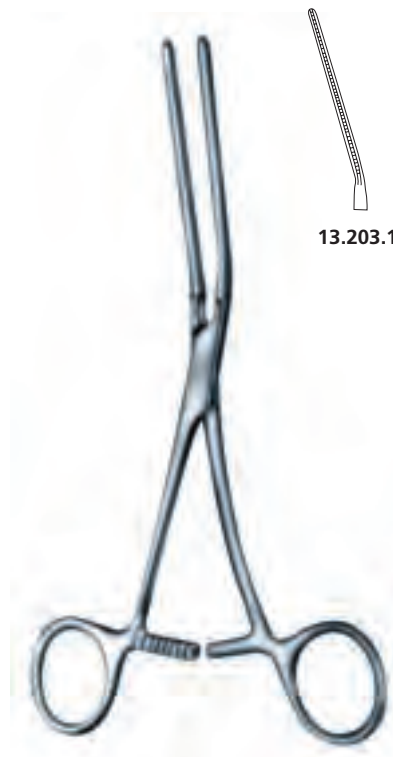
13.197.15
15 cm

13.197.18
18 cm

BAINBRIDGE
13.196.15 - 13.197.18



LELAND JONES
13.202.19
19 cm



13.203.19

13.205.19

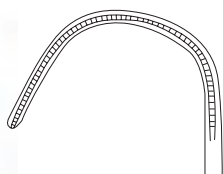
LELAND JONES
13.203.19 - 13.205.19
19 cm



LIDDLE
13.209.27
27 cm



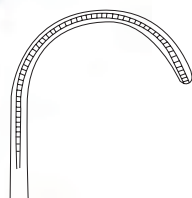
LAMBERT KAY
13.211.20
20 cm



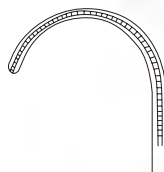
LAMBERT KAY
13.213.20
20 cm



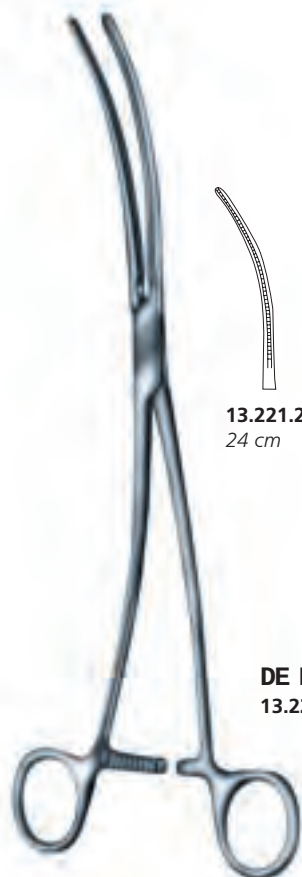
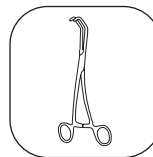
DE BAKEY
13.215.20
20 cm



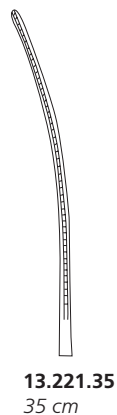
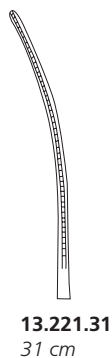
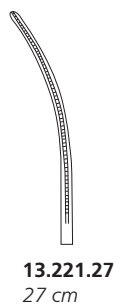
WEBER
13.217.26
26 cm
left



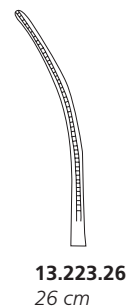
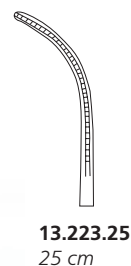
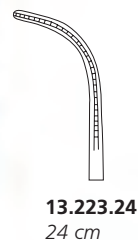
WEBER
13.219.26
26 cm
right



13.221.24
 24 cm



DE BAKY
 13.221.24 - 13.221.35



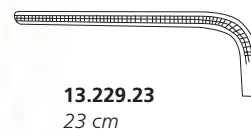
DE BAKY - BAHNSON
 13.223.24 - 13.223.26



DE BAKY
 13.225.28
 28 cm

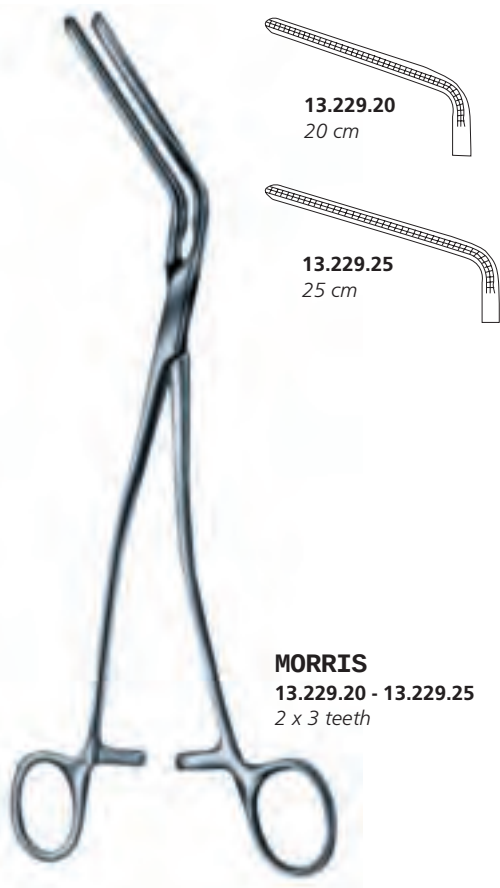


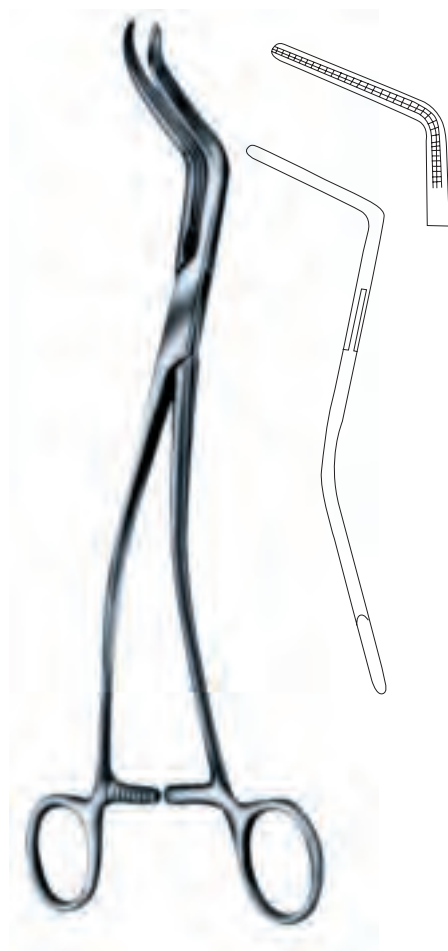
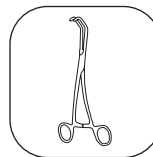
DE BAKY
 13.227.28
 28 cm



DE BAKY
 13.229.18 - 13.229.23



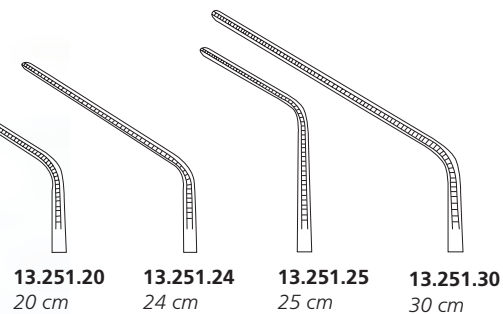




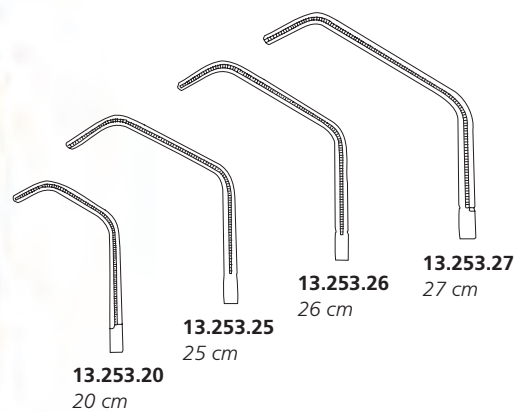
DE BAKEY
 13.247.27
 27 cm



DE BAKEY
 13.251.20 - 13.251.30



SATINSKY
 13.253.20 - 13.253.27





SATINSKY DE BAKEY
13.253.24
24 cm



13.259.01
21 cm

13.259.02
22 cm

WYLIE
13.259.01 - 13.259.02

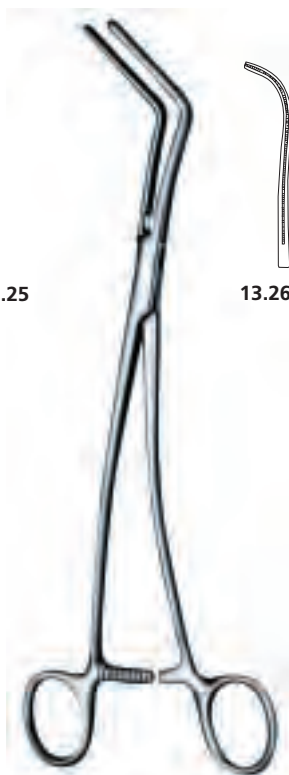


13.261.23

13.261.24

13.261.25

DE BAKEY SATINSKY
13.261.23 - 13.261.25



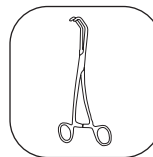
13.263.25

13.265.24

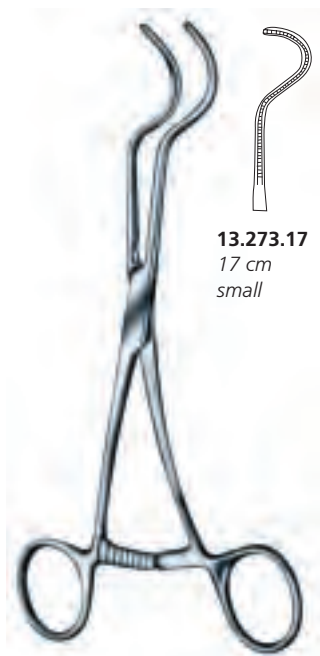
13.267.24

13.269.24

HARKEN
13.263.25 - 13.269.24



DALE
 13.271.18
 18.5 cm



13.273.17
 17 cm
 small

13.273.18
 18 cm
 medium

13.273.19
 19 cm
 large

DALE
 13.273.17 - 13.273.19



DE BAKEY
 13.281.17
 17 cm



BECK
 13.283.17
 17 cm



13.284.20
 20.5 cm

13.284.21
 21.5 cm

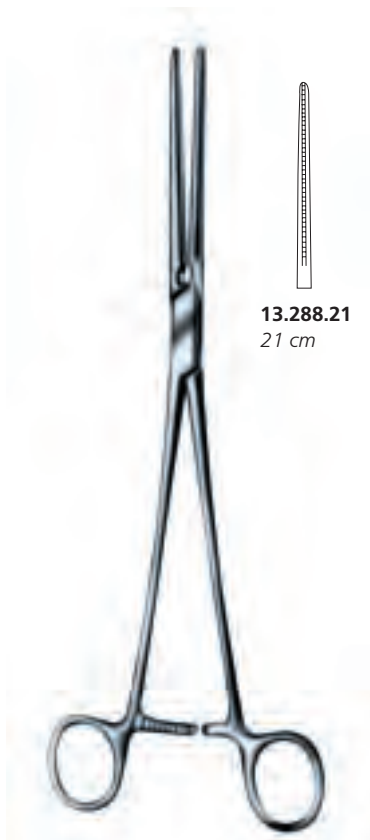
DE BAKEY BECK
 13.284.20 - 13.284.21



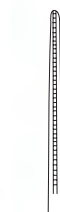
DE BAKEY
 13.285.17
 17 cm



DE BAKEY
13.287.17
17 cm



POTTS
13.288.21 - 13.288.31



13.288.21
21 cm



13.288.23
23 cm



13.288.27
27 cm



13.288.31
31 cm



POTTS
13.289.21 - 13.289.31



13.289.31
31 cm



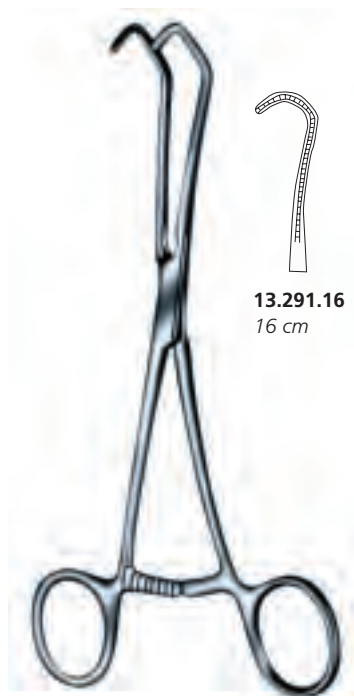
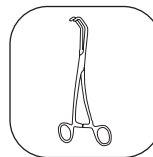
13.289.27
27 cm



13.289.23
23 cm



13.289.21
21 cm



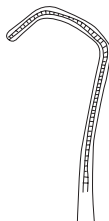
DERRA
 13.291.16 - 13.291.18



13.291.16
 16 cm



13.291.17
 17 cm



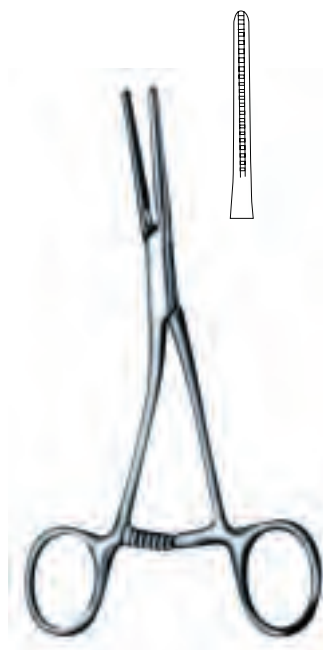
13.291.18
 18 cm



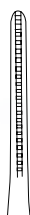
DE BAKEY
 13.302.16
 16 cm



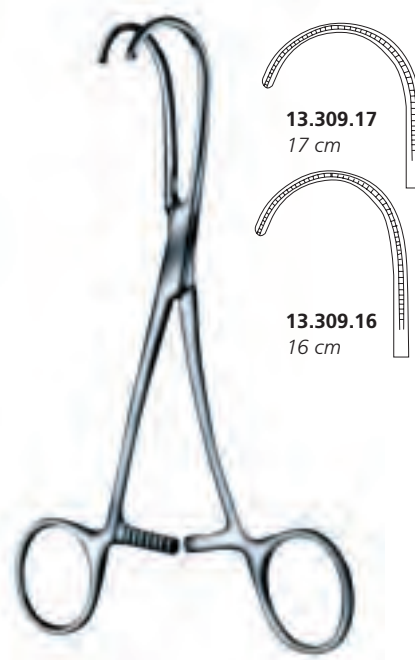
DE BAKEY
 13.302.17
 17 cm



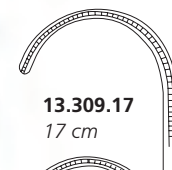
DE BAKEY
 13.303.15 - 13.305.15
 15.5 cm



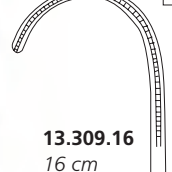
DE BAKEY
 13.307.17
 17 cm



DE BAKEY
 13.309.16 - 13.309.17



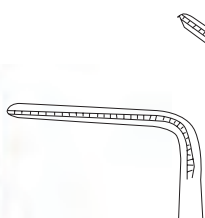
13.309.17
 17 cm



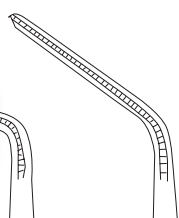
13.309.16
 16 cm



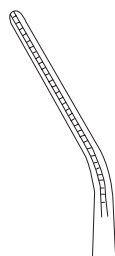
DE BAKEY
13.311.14 - 13.311.16



13.311.14
14 cm



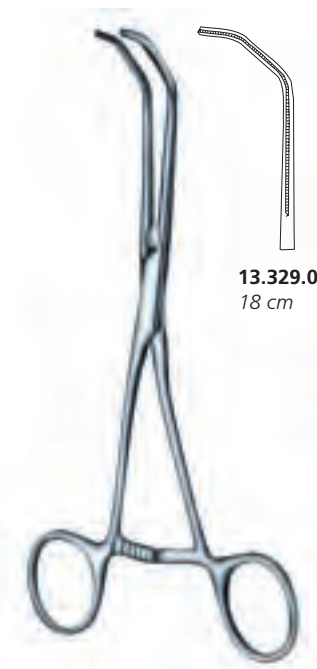
13.311.15
15 cm



13.311.16
16 cm



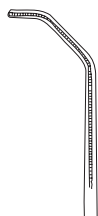
GLOVER
13.321.17
17 cm



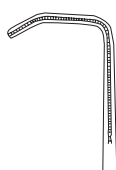
DE BAKEY REYNOLDS
13.329.01 - 13.329.04



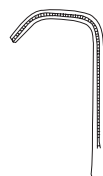
13.329.01
18 cm



13.329.02
18 cm



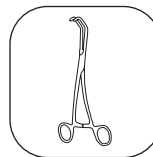
13.329.03
16.5 cm



13.329.04
16.5 cm



SUBRAMANIAN
13.331.15
15 cm



SUBRAMANIAN
13.333.16
16 cm
right



SUBRAMANIAN
13.335.16
16 cm
left



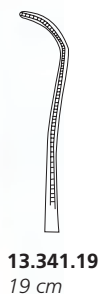
OCHSNER
13.337.23
23 cm



DIETRICH
13.339.21
21 cm



DE BAKEY
13.341.19 - 13.341.23



13.341.19
19 cm



13.341.20
20 cm



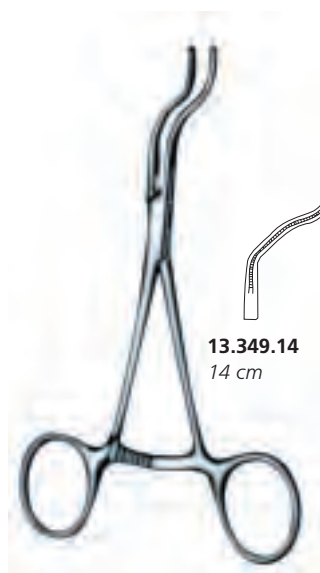
13.341.23
23 cm



JAVID
13.343.18
18 cm

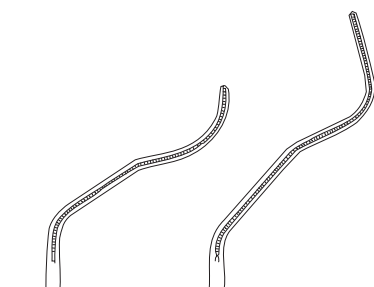


JAVID
13.343.19
19 cm



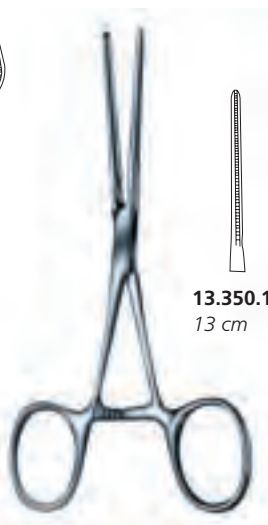
13.349.14
14 cm

GREGORY
13.349.14 - 13.349.18



13.349.16
16 cm

13.349.18
18 cm



13.350.13
13 cm

COOLEY
13.350.13 - 13.351.13
13 cm



13.351.13
13 cm



COOLEY
13.353.13
13.5 cm



COOLEY
13.355.13
13 cm



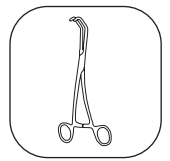
COOLEY
13.357.12
12.5 cm



COOLEY
13.359.10
10.5 cm



COOLEY
13.361.12
12 cm

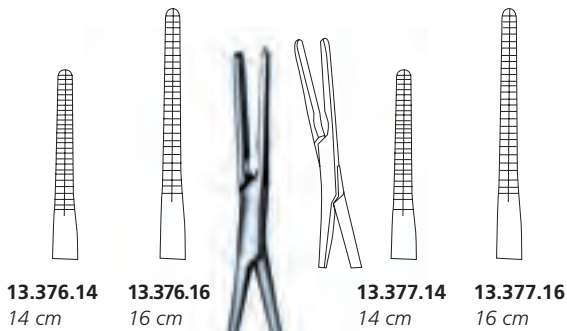


COOLEY
 13.363.13
 13.5 cm



COOLEY
 13.371.24 - 13.373.36

cm	
24	13.371.24
26	13.371.26
28	13.373.28
30	13.373.30
32	13.373.32
36	13.373.36



COOLEY
 13.376.14 - 13.377.16



COOLEY
 13.379.14
 14 cm

COOLEY
 13.380.14
 14 cm

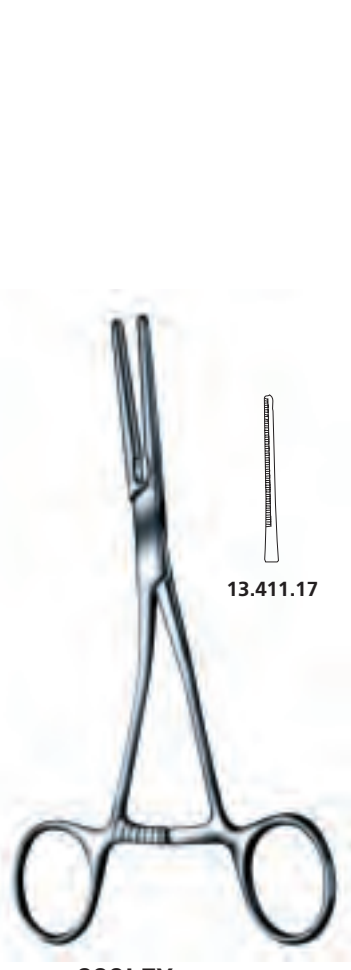
COOLEY
 13.381.14
 14 cm



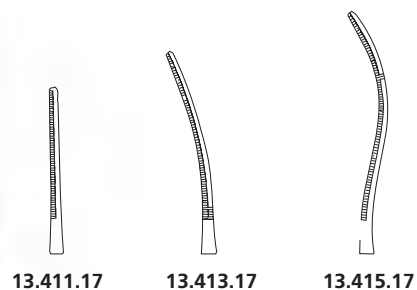
COOLEY
13.405.27
27 cm



COOLEY
13.410.17
17 cm



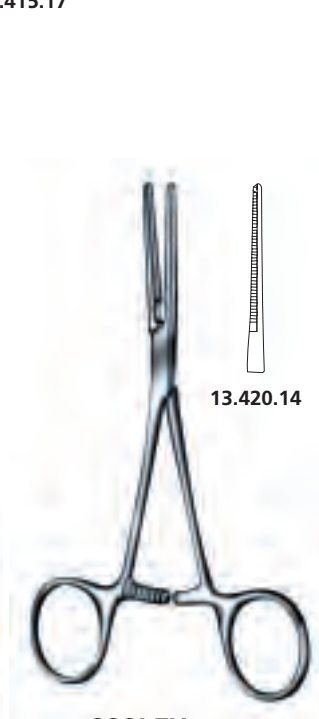
COOLEY
13.411.17 - 13.415.17
17 cm



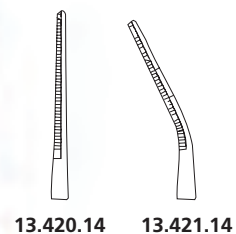
COOLEY
13.417.21
21 cm
13.417.25
25 cm

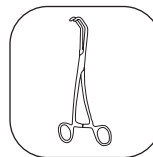


COOLEY
13.419.21
21 cm



COOLEY
13.420.14 - 13.421.14
14 cm





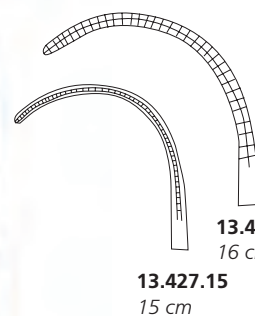
COOLEY
13.423.14
14 cm



COOLEY
13.425.14
14 cm



COOLEY
13.427.15 - 13.427.16

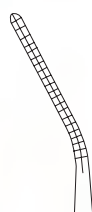


13.427.16
16 cm

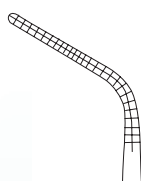
13.427.15
15 cm



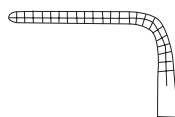
COOLEY
13.431.25 - 13.421.90



13.431.25
25°



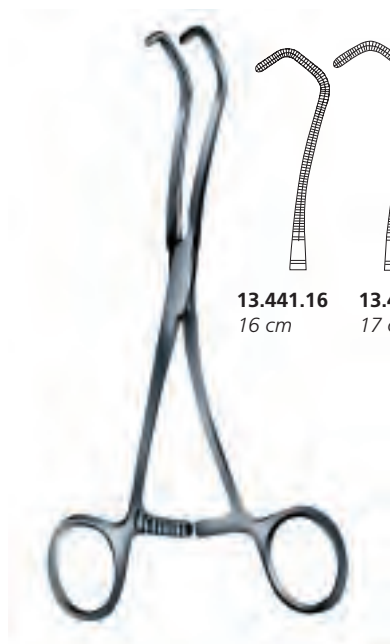
13.431.45
45°



13.431.90
90°



COOLEY
13.433.14
14 cm

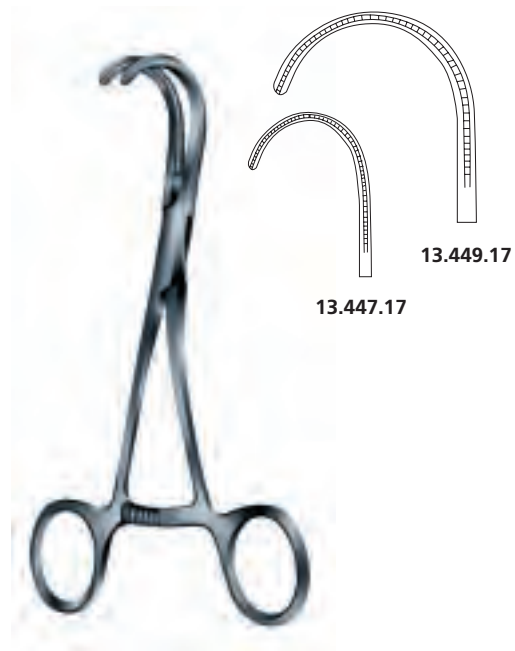


13.441.16
16 cm

13.441.17
17 cm

13.441.18
18 cm

COOLEY
13.441.16 - 13.441.18



13.447.17

13.449.17

COOLEY
13.447.17 - 13.449.17
17 cm



13.451.16
16 cm

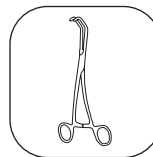
13.453.16
16 cm

13.455.17
17 cm

COOLEY
13.451.16 - 13.451.17



COOLEY
13.457.17
17 cm



COOLEY
13.461.17
 17 cm



COOLEY
13.465.18
 18 cm



COOLEY
13.465.19
 19 cm



COOLEY
13.465.26
 26 cm

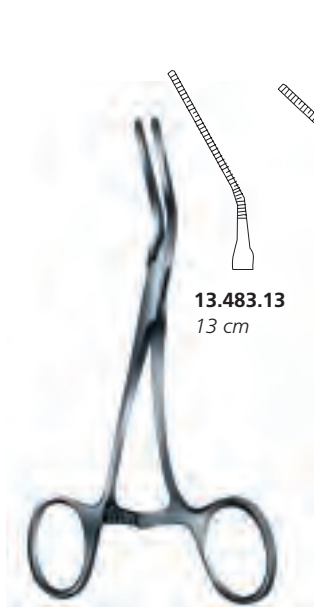


COOLEY
13.467.27
 27 cm

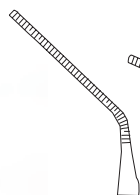


13.481.13
 13 cm

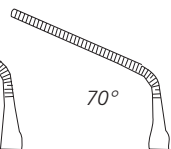




13.483.13
13 cm



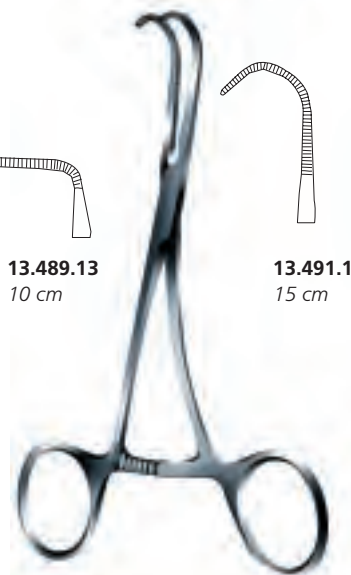
13.485.13
13 cm



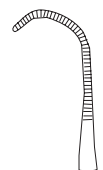
13.487.13
12 cm



13.489.13
10 cm



13.491.15
15 cm



13.493.15
15 cm



13.495.12
12 cm



13.495.15
15 cm

CASTAÑEDA

13.483.13 - 13.489.13

13.491.15 - 13.495.15



13.502.01 - 13.502.09



13.503.01 - 13.503.09



13.505.01 - 13.505.09

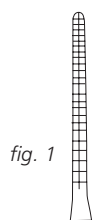


fig. 1

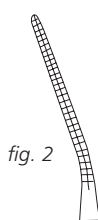


fig. 2

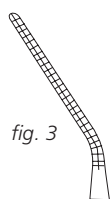


fig. 3

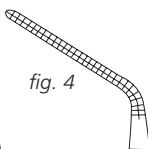


fig. 4



fig. 5

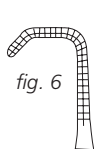


fig. 6

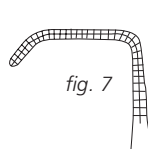


fig. 7

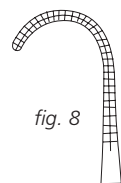


fig. 8

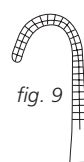
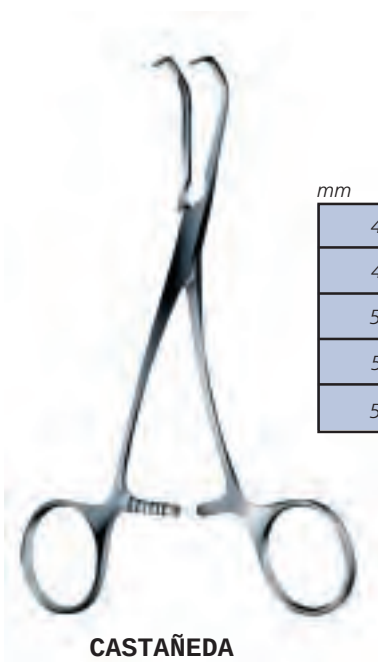
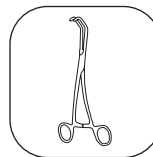


fig. 9

13.502.01	13.502.02	13.502.03	13.502.04	13.502.05	13.502.06	13.502.07	13.502.08	13.502.09
13.503.01	13.503.02	13.503.03	13.503.04	13.503.05	13.503.06	13.503.07	13.503.08	13.503.09
13.505.01	13.505.02	13.505.03	13.505.04	13.505.05	13.505.06	13.505.07	13.505.08	13.505.09

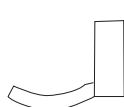


CASTAÑEDA

13.515.46 - 13.515.56
15.5 cm

mm

46	13.515.46
48	13.515.48
50	13.515.50
52	13.515.52
56	13.515.56



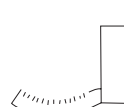
13.609.12
12 mm



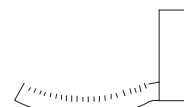
13.609.20
20 mm



13.609.30
30 mm



13.611.12
12 mm



13.611.20
20 mm

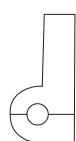


13.611.30
30 mm

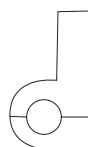
13.609.12 - 13.611.30



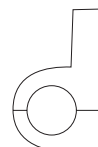
13.615.03 - 13.615.09



13.615.03
22 cm
ø 3 mm



13.615.05
22 cm
ø 5 mm



13.615.07
22 cm
ø 7 mm

13.615.09
22 cm
ø 9 mm





Adriaen Brouwer
17th century

Operation on the Back

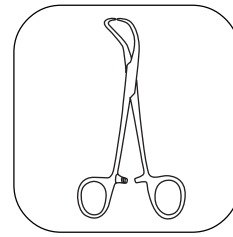
Barber surgeons and a miscellany of self-designed healers provided care to great proportion of rural Europeans in modern times of the 17th century.

Operación en la Espalda

En Europa barberos cirujanos y otros curanderos daban atención a una gran parte de los campesinos en la época moderna del siglo XVII.

Operation auf dem Rücken

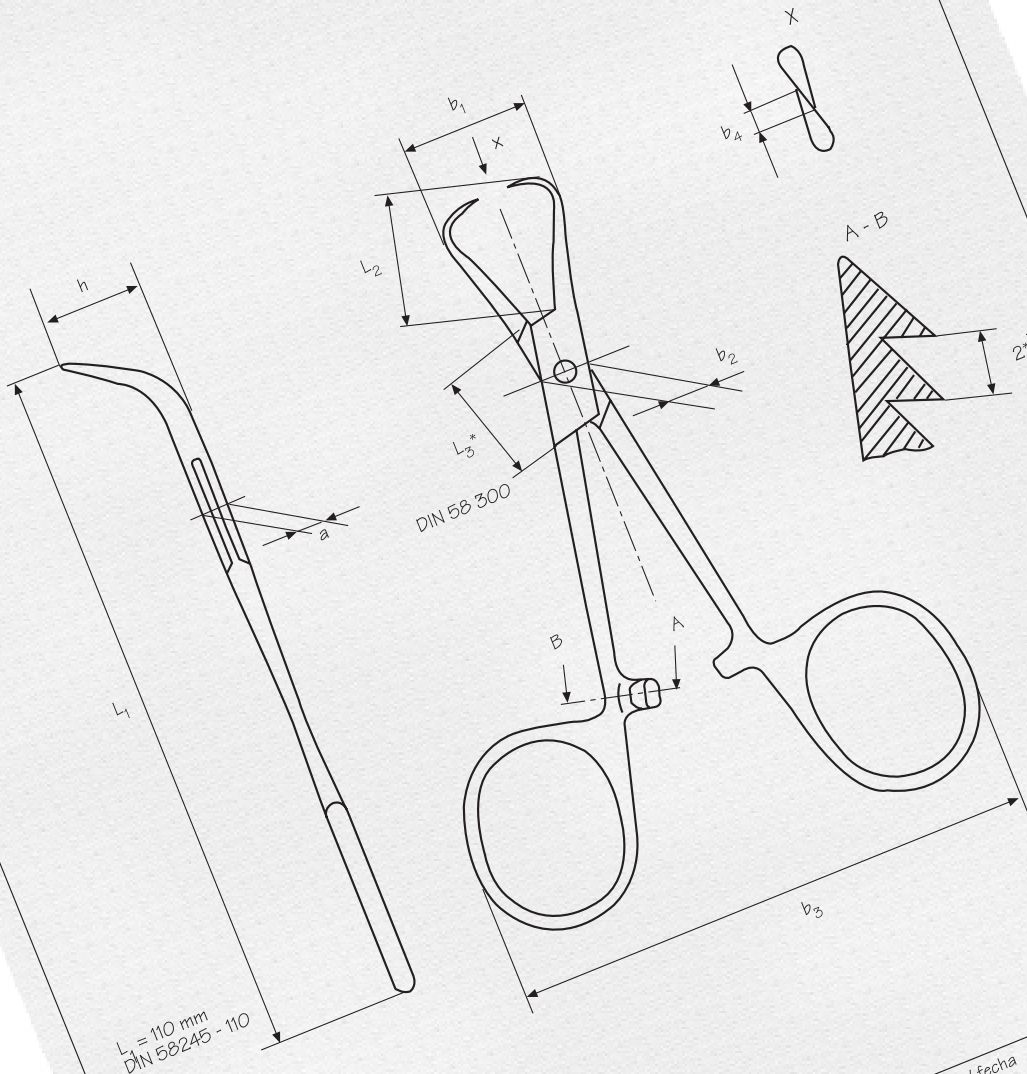
Zu modernen Zeiten des 17. Jahrhundert wurden die Leute auf dem Lande in Europa von Barbiers und anderen Quacksalbern geheilt.



14

Towel Clamps
Pinzas de Campo
Tuchklemmen

Masse in mm



L₁ = 110 mm
DIN 58245 - 110

GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
Stainless Steel		July '98	cvd/jvd	1
Inoxidable		July '98	cvd	Maaetab / escala 1:1
		June '99	mj	Art. / acot. mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo





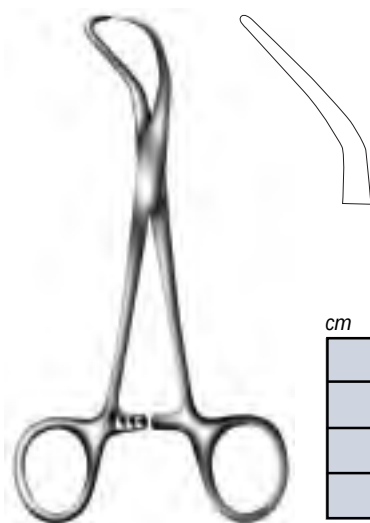
SCHAEDL
14.101.09
9 cm



JONES
14.103.09
9 cm



JONES clip
14.105.09
9 cm



cm	
9	14.111.09
11	14.111.11
13	14.111.13
15	14.111.15

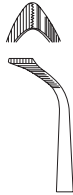
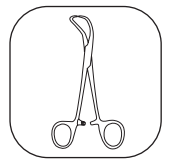
BACKHAUS
14.111.09 - 14.111.15



BACKHAUS clip
14.115.11
11 cm



ROEDER
14.117.13
13 cm



cm

9	14.121.09
11	14.121.11
13	14.121.13

LORNA

14.121.09 - 14.121.13



ball and socket

14.123.13

13 cm



BERNHARD

14.140.16

16.5 cm



MOYNIHAN

14.150.19

19 cm



cm

14	14.161.14
18	14.161.18

DOYEN

14.161.14 - 14.161.18



cm

13	14.164.13
15	14.164.15
20	14.164.20

LANE

14.164.13 - 14.164.20

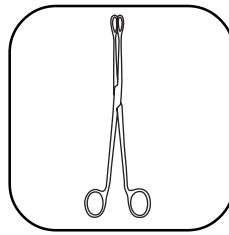


William E. Wilson
1902

Drs. Howard, Frazer and Jackson
*... demonstrating an operation for
students, City Hospital, Mobile,
Alabama*

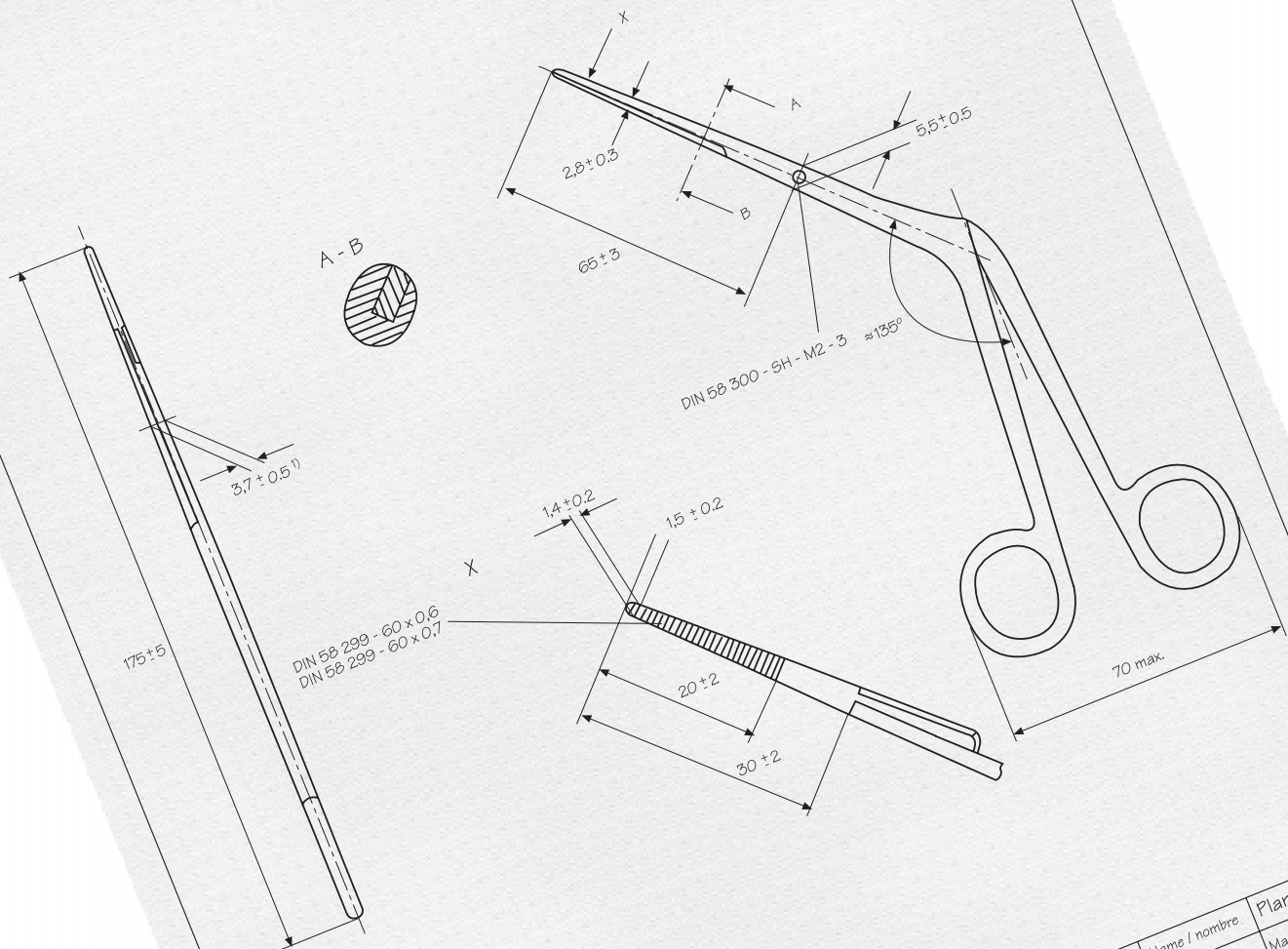
Doctores Howard, Frazer y Jackson
*... haciendo una demostración de
cirugía para estudiantes en el City
Hospital, Mobile, Alabama*

Doktoren Howard, Frazer und Jackson
*... machen eine Vorstellung einer
Operation für Studenten, City Hospital,
Mobile, Alabama*



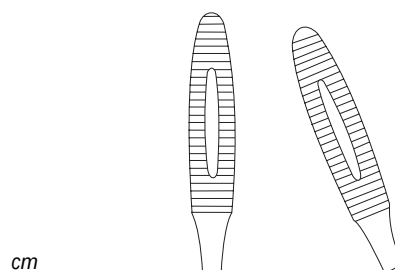
16

Polypus and Dressing Forceps
Pinzas para Pólipos y Esponjas
Tupfer- und Kornzangen



F	GENERAL CATALOGUE	Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
		gezeichnet / dibujado	July '98	cvd/jvd	1
		geprüft / verificado	July '98	cvd	Maasstab / escala
		Toleranz / tolerancia	June '99	mj	1:1
	Stainless Steel				Art. / acot. mm
	inoxidable				Artikel / artículo
					Artikel-Nr. / No. de art.





cm

20	16.110.20	16.111.20
22	16.110.22	
25	16.110.25	16.111.25
27	16.110.27	16.111.27

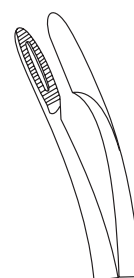
GROSS MAIER
16.110.20 - 16.111.27



MAIER
16.111.22
22 cm

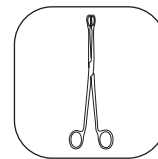


16.114.18



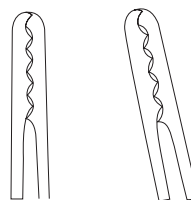
16.115.18

GROSS
16.114.18 - 16.115.18
18 cm



cm

22	16.160.22	16.161.22
25	16.160.25	16.161.25



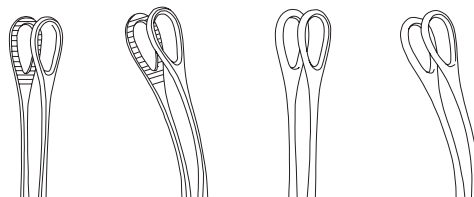
ULRICH

16.160.22 - 16.161.25



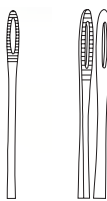
cm

18	16.170.18	16.171.18	16.172.18	16.173.18
20	16.170.20	16.171.20		
25	16.170.25	16.171.25	16.172.25	16.173.25

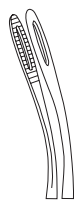


FOERSTER

16.170.18 - 16.173.25



16.174.25



16.175.25

FOERSTER
16.174.25 - 16.175.25
25 cm



RAMPLEY
16.180.25
25 cm

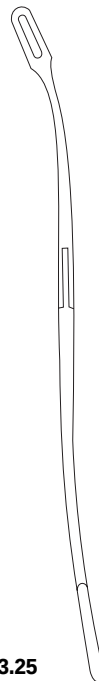


16.182.25

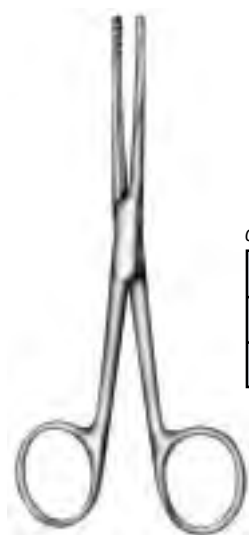
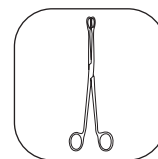


16.183.25

FOERSTER
16.182.25 - 16.183.25
25 cm



BRYANT
16.207.13
13 cm



cm

13	16.210.13
16	16.210.16
18	16.210.18

LISTER

16.210.13 - 16.210.18



COLLIN

16.220.25

25 cm



PELKMANN

16.226.25

25 cm



PELKMANN

16.227.25

25 cm



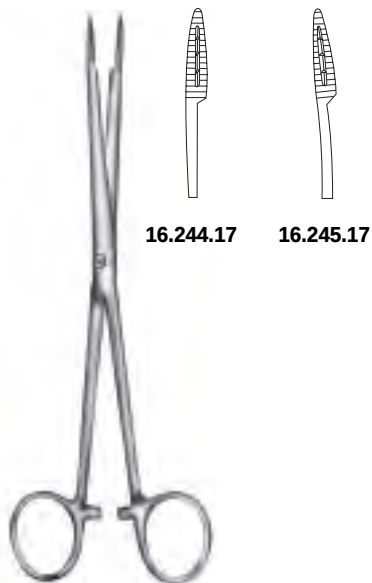
CHERON
16.229.25
25 cm



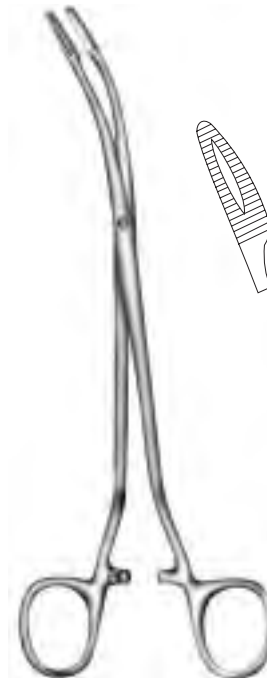
BOZEMANN
16.230.26 - 16.231.26
26 cm



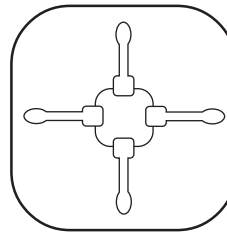
BOZEMANN
16.233.26
26 cm



16.244.17 - 16.245.17
17 cm

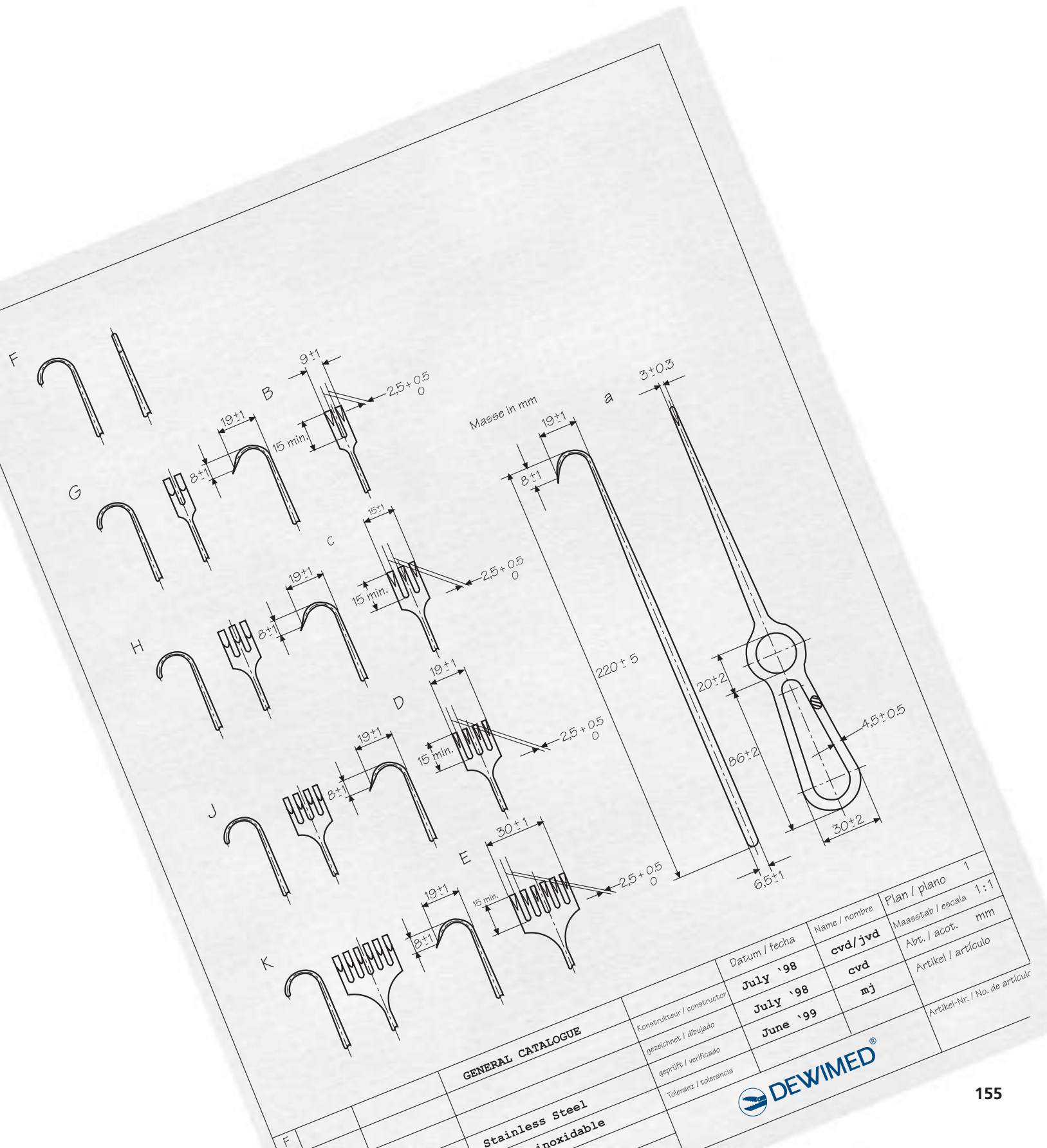


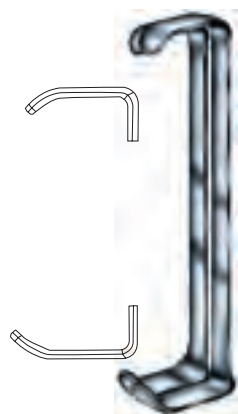
DUPLAY
16.247.20
20 cm



18

Retractors
Separadores
Wundhaken-und Sperrer

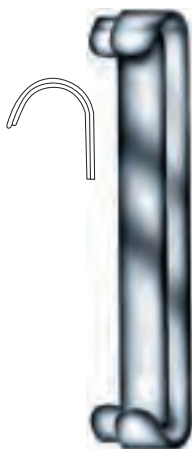




FARABEUF
18.102.12
12 cm



FARABEUF
18.102.15
15 cm



PARKER
18.110.13
13.5 cm



PARKER
18.110.18
18 cm



MAYO COLLIN
18.112.15



18.120.00
set complete

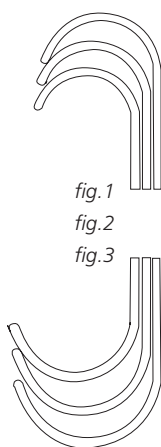


fig. 1

fig. 2

fig. 3



ROUX
18.121.01
25 x 28 / 20 x 22 mm

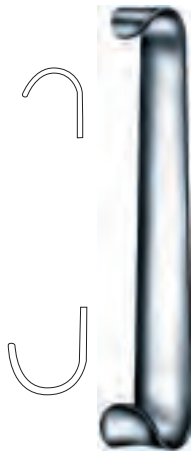
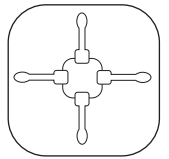


ROUX
18.121.02
29 x 38 / 23 x 26 mm

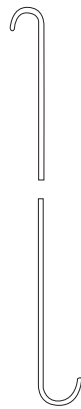


ROUX
18.121.03
34 x 44 / 29 x 29 mm

		cm	mm	mm
fig. 1	18.120.14	14	24 x 20	30 x 28
fig. 2	18.120.15	15	29 x 26	36 x 36
fig. 3	18.120.17	17	35 x 29	38 x 43



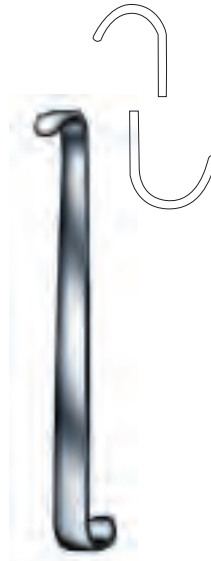
ROUX baby
18.122.13
13 cm



ROUX mini
18.124.15
15 cm



CRILE
18.127.11
11.5 cm



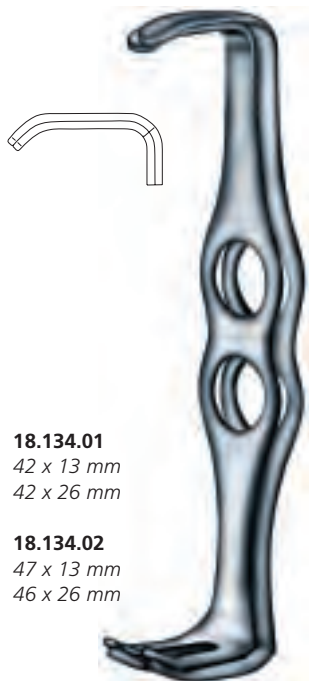
LUER
18.128.11
11.5 cm



PARKER LANGENBECK (U.S. Army)
18.131.21
21 cm

out = 25 x 24 mm
in = 21 x 24 mm

in = 40 x 15 mm
out = 45 x 15 mm



18.134.01
42 x 13 mm
42 x 26 mm

18.134.02
47 x 13 mm
46 x 26 mm

MATHIEU
18.134.20
set
20 cm



GOELET
18.135.19
19 cm



CZERNY
18.136.20
32 x 22 mm

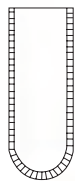


COLLIN HARTMANN
18.137.16
16 cm

52 x 33 mm

30 x 21 mm





COOLEY

18.138.38

14 x 17 mm 14 x 38 mm

18.138.45

14 x 21 mm 14 x 45 mm

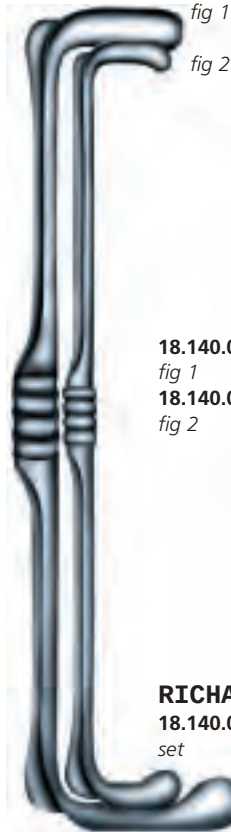


fig 1

fig 2

18.140.01

fig 1

18.140.02

fig 2

RICHARDSON EASTMAN

18.140.00

set



18.150.01

28 x 20 mm



18.150.02

26 x 28 mm



18.150.03

44 x 38 mm



18.150.04

52 x 22 mm

RICHARDSON

18.150.01 - 18.150.03

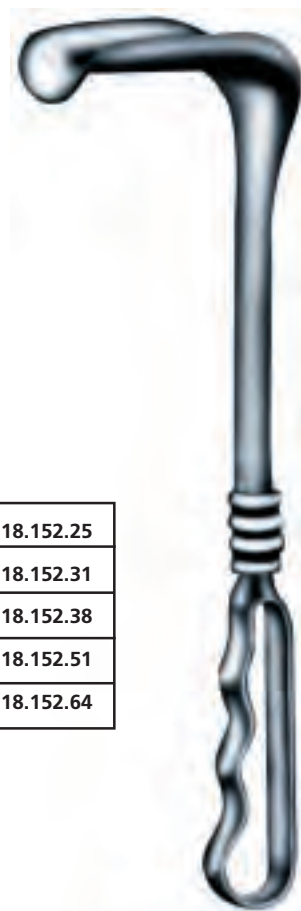


mm

20 x 25	18.152.25
25 x 31	18.152.31
38 x 38	18.152.38
19 x 51	18.152.51
41 x 64	18.152.64

RICHARDSON grip

18.152.25 - 18.152.64



KELLY

18.156.26

26 cm

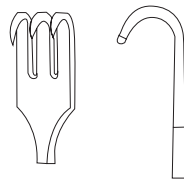
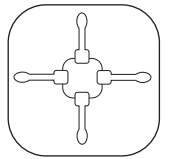


mm

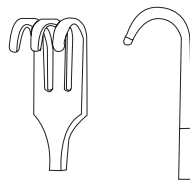
38 x 51	18.158.51
51 x 64	18.158.64
64 x 76	18.158.76
70 x 82	18.158.82

KELLY grip

18.158.51 - 18.158.82



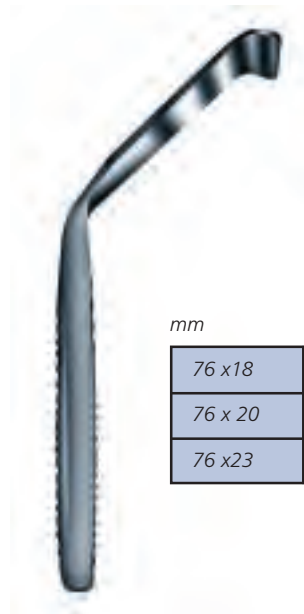
18.160.17



18.161.17

SENN

18.160.17 - 18.161.17
17 cm



mm

76 x 18	18.165.18
76 x 20	18.165.20
76 x 23	18.165.23

CLOWARD

18.165.18 - 18.165.23



MIKULICZ

18.167.25
25 cm 29 mm



mm

6 x 200	18.168.06
9 x 200	18.168.09
12 x 200	18.168.12
17 x 200	18.168.17
20 x 200	18.168.20
25 x 250	18.168.25

RIBBON

18.168.12 - 18.168.25
malleable



mm

19 x 330	18.170.19
25 x 330	18.170.25
32 x 330	18.170.32
40 x 330	18.170.40
50 x 330	18.170.50

RIBBON

18.170.25 - 18.170.50
malleable





cm/mm x mm

17/25x200	18.174.17
25/30x250	18.174.25
37/45x300	18.174.37

HABERER

18.174.17 - 18.174.37

malleable



REVERDIN

18.175.28

28 cm



DEAVER

18.180.19

19 x 180 mm



DEAVER

18.181.22

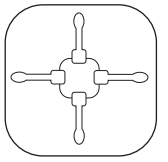
22 x 215 mm



DEAVER

18.181.25

25 x 230 mm



DEAVER
18.183.25
25 x 300 mm



DEAVER
18.185.25
25 x 330 mm



DEAVER
18.187.25
25 x 360 mm



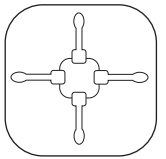
DEEVER
18.187.38
38 x 300 mm



DEEVER
18.187.50
50 x 300 mm



DEEVER
18.187.75
75 x 300 mm



DEAVER Grip
mm

25 x 310	18.189.25
38 x 310	18.189.38
50 x 310	18.189.50
75 x 310	18.189.75



HARRINGTON
mm

25 x 230	18.191.25
40 x 320	18.191.40
62 x 320	18.191.62



cm

12	18.210.12	18.211.12
16	18.210.16	18.211.16

GRAEFE (iris)

18.210.12 - 18.211.16



18.212.01



18.212.02

GUTHRIE

18.212.01 - 18.212.02

13 cm



?

FRAZIER

18.214.13 - 18.214.18

12.5 cm

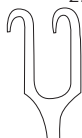


18.216.01



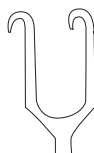
18.216.02

2mm



18.216.05

5mm



18.216.07

7 mm



18.216.10

10mm

JOSEPH

18.216.01 - 18.216.10

16 cm



18.220.01



18.220.02



18.220.03



18.220.04

18.220.01 - 18.220.04

17 cm



18.221.01



18.221.02



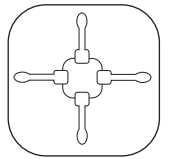
18.221.03



18.221.04

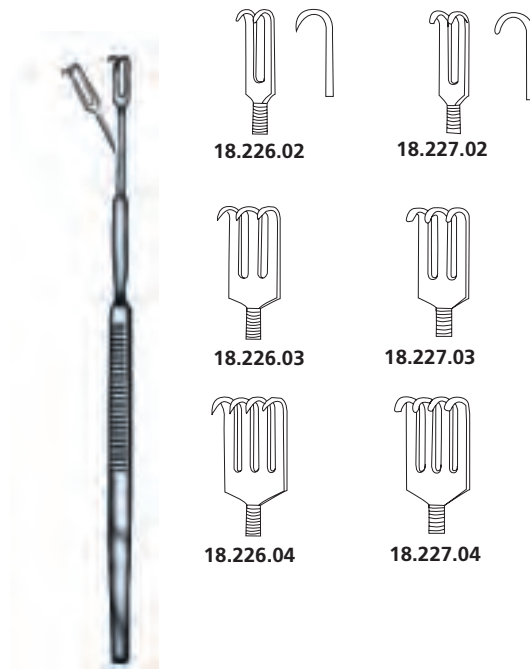
18.221.01 - 18.221.04

16 cm



18.224.04 18.225.04

18.224.04 - 18.225.04
16.5 cm

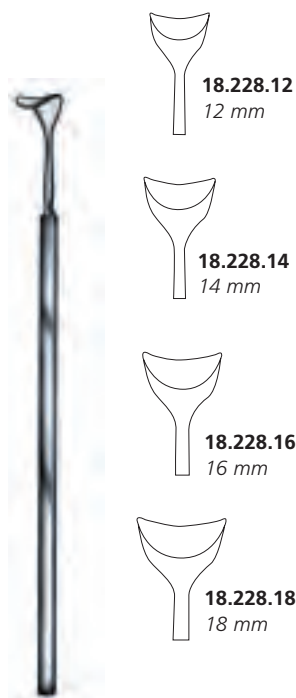


18.226.02 18.227.02
18.226.03 18.227.03
18.226.04 18.227.04

18.226.02 - 18.227.04
16 cm

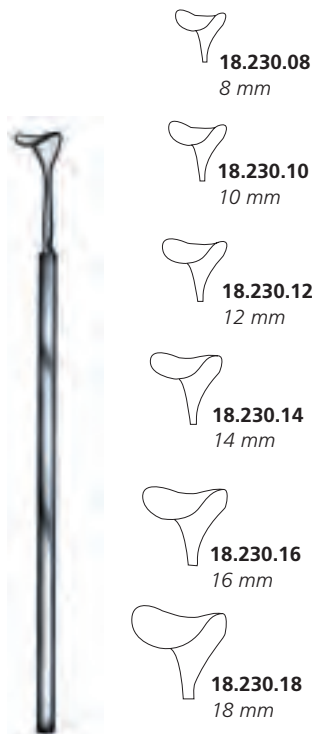


PAUL
18.228.03
11 x 8 mm



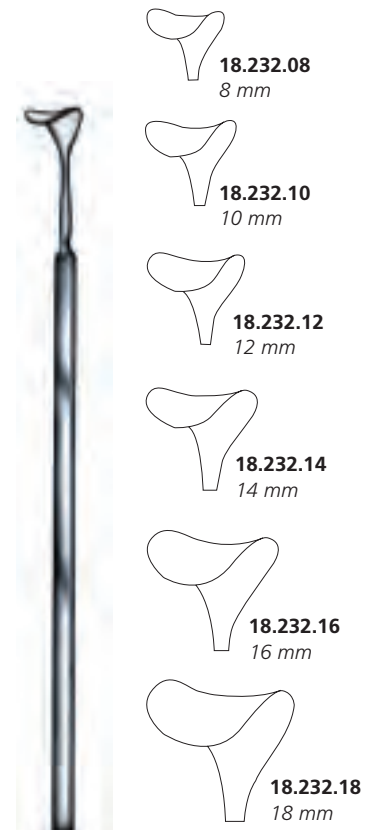
18.228.12 12 mm
18.228.14 14 mm
18.228.16 16 mm
18.228.18 18 mm

DESMARRES
18.228.12 - 18.230.18



18.230.08 8 mm
18.230.10 10 mm
18.230.12 12 mm
18.230.14 14 mm
18.230.16 16 mm
18.230.18 18 mm

DESMARRES
18.230.08 - 18.230.18
16 cm



18.232.08 8 mm
18.232.10 10 mm
18.232.12 12 mm
18.232.14 14 mm
18.232.16 16 mm
18.232.18 18 mm

CUSHING
18.232.08 - 18.232.18
20 cm





CUSHING
18.234.20
20 cm



CUSHING
18.234.21
21.5 cm



OLDBERG
18.235.00 - 18.235.06
21 cm



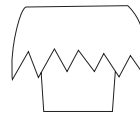
18.235.00
19 mm



18.235.03
13 mm
3 teeth



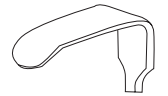
18.235.04
15 mm
4 teeth



18.235.06
19 mm
6 teeth



18.240.10
10 x 6 mm



18.240.20
20 x 6 mm



SENN GREEN
18.240.10 - 18.240.20
15 cm



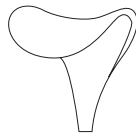
18.242.08
8 mm



18.242.14
14 mm



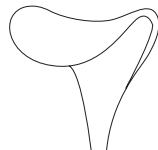
18.242.10
10 mm



18.242.16
16 mm



18.242.12
12 mm



18.242.18
18 mm

18.242.08 - 18.242.18
24 mm



18.244.01

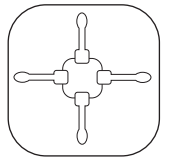


18.244.02

18.244.01 - 18.244.02
16 cm



hook for vasectomy
18.245.01
15 cm



18.246.16
16 x 6 mm

18.246.24
24 x 6 mm

LANGENBECK GREEN
18.246.16 - 18.246.24
16 cm



18.248.10
16 cm 10 x 13 mm



18.270.02



18.270.03

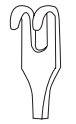


18.270.04



18.270.06

VOLKMANN
18.270.02 - 18.270.06
11.5 cm



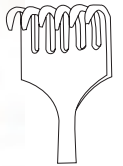
18.271.02



18.271.03



18.271.04

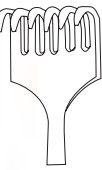


18.271.06

VOLKMANN
18.271.02 - 18.271.06
11.5 cm



18.279.04



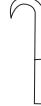
18.279.06

VOLKMANN
18.279.04 - 18.279.06



VOLKMANN
18.280.01 - 18.281.06
21.5 cm

sharp



18.280.01



18.280.02



18.280.03



18.280.04



18.280.06



18.280.08

middle sharp



18.281.01



18.281.02



18.281.03



18.281.04



18.281.06

sharp



18.284.02



18.284.03



18.284.04



18.284.06

middle sharp



18.285.02



18.285.03



18.285.04



18.285.06



MURPHY
18.284.02 - 18.285.06
19.5 cm





VOLKMANN
18.290.01 - 18.291.06
21.5 cm

sharp



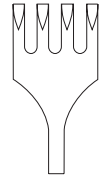
18.290.01



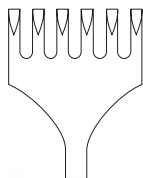
18.290.02



18.290.03



18.290.04



18.290.06

middle sharp



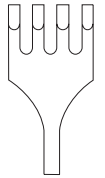
18.291.01



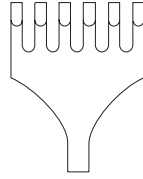
18.291.02



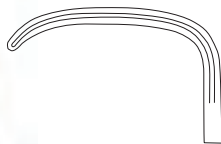
18.291.03



18.291.04



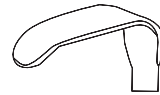
18.291.06



LAHEY
18.304.19
28 x 6 mm
19 cm



MEYERDING
18.302.01 - 18.302.06
18 cm



18.302.01
18 x 7 mm



18.302.02
16 x 5 mm



18.302.03
7 x 4 mm



18.302.04
7 x 4 mm



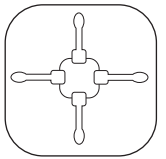
18.302.05
10 x 3 mm



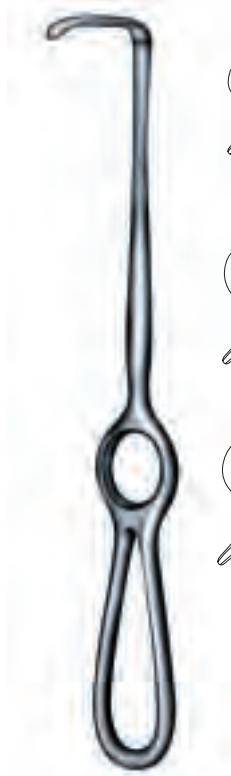
18.302.06
10 x 4 mm



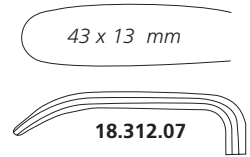
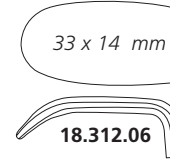
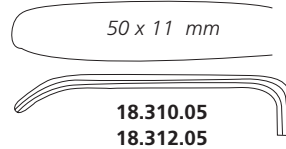
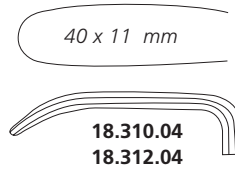
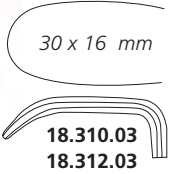
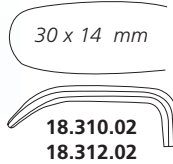
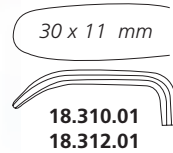
LITTLE
18.306.20
20 cm



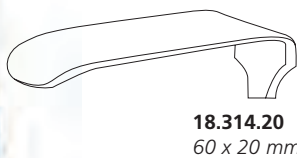
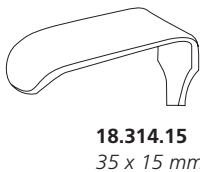
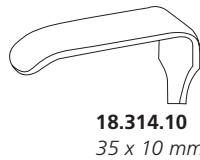
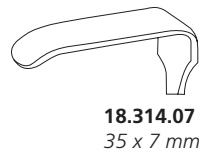
LANGENBECK
18.310.01 - 18.310.05
22 cm



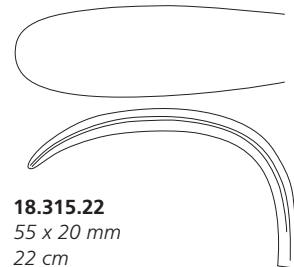
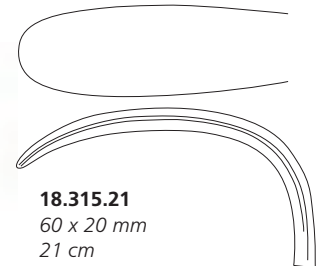
LANGENBECK
18.312.01 - 18.312.07
21 cm



LANGENBECK
18.314.07 - 18.314.20
21 cm

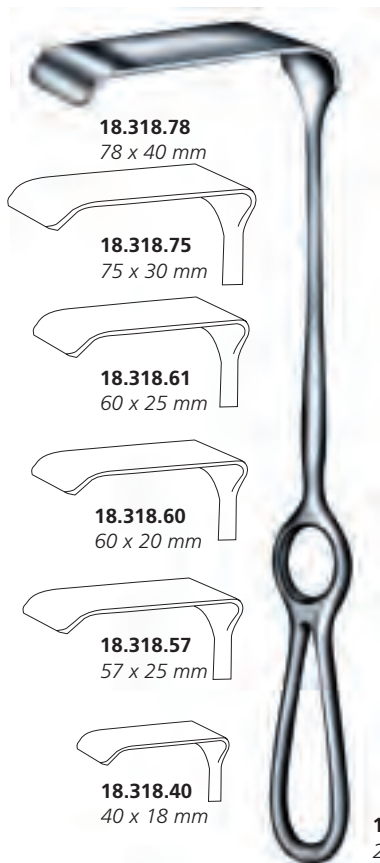


LANGENBECK
18.315.21 - 18.315.22





LANGENBECK
18.317.21
85 x 15 mm
21 cm



18.318.78
78 x 40 mm

18.318.75
75 x 30 mm

18.318.61
60 x 25 mm

18.318.60
60 x 20 mm

18.318.57
57 x 25 mm

18.318.40
40 x 18 mm

18.318.4
23 cm



18.330.40
40 x 12 mm

18.330.55
55 x 11 mm

KOCHER
18.330.40 - 18.330.55
21 cm



18.332.19
19 x 12 mm



18.332.21
21 x 14 mm

KOCHER
18.332.19 - 18.332.21
19 cm



mm

40 x 10	18.340.10
40 x 15	18.340.15
40 x 20	18.340.20

KOCHER
18.340.10 - 18.340.20
22 cm



18.344.14
14 x 17 mm
21.5 cm

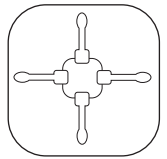


18.344.20
20 x 22 mm
22 cm

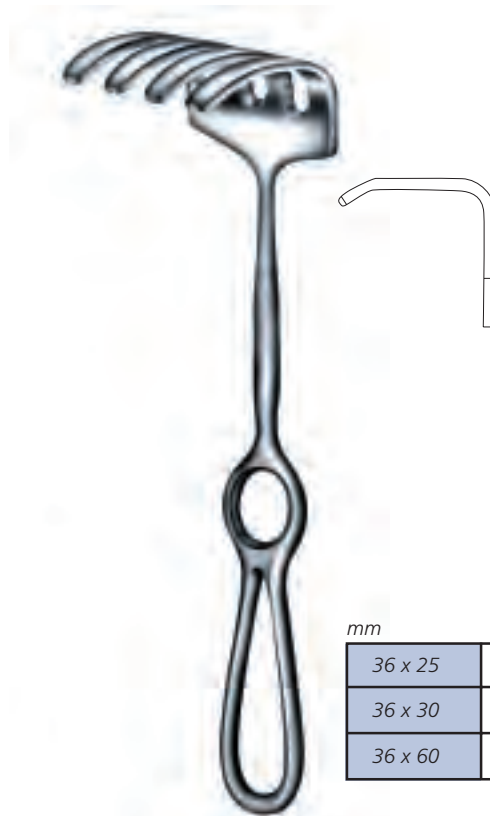


18.344.26
26 x 30 mm
23.5 cm

MIDDELDORPF
18.344.14 - 18.344.26



GREEN
18.348.22
22 cm



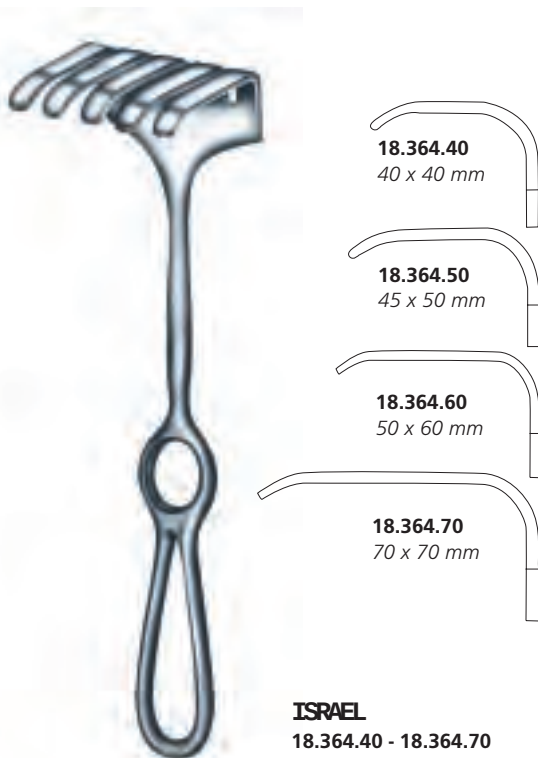
OLLIER
18.360.02 - 18.360.04
22.5 cm

mm

36 x 25	18.360.02	2 hook
36 x 30	18.360.03	3 hook
36 x 60	18.360.04	4 hook



KOERTE
18.361.04
36 x 55 mm
4 teeth



ISRAEL
18.364.40 - 18.364.70

18.364.40
40 x 40 mm

18.364.50
45 x 50 mm

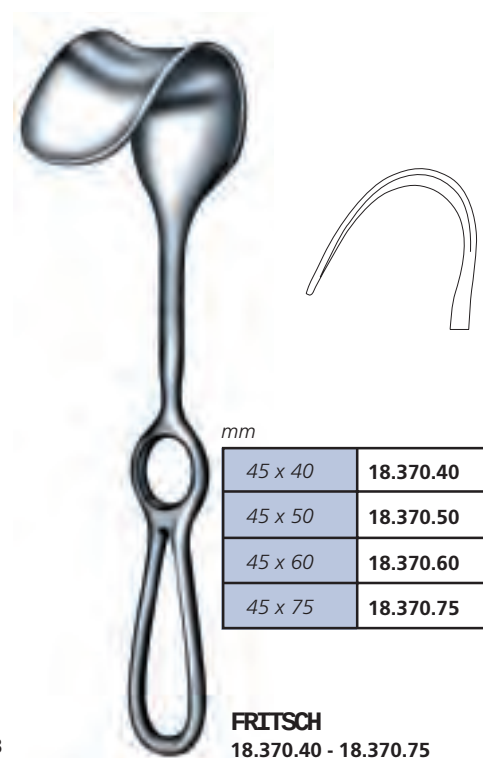
18.364.60
50 x 60 mm

18.364.70
70 x 70 mm



KOERTE
18.366.08 - 18.367.08
23.5 cm

18.366.08
40 x 30 mm



FRITSCH
18.370.40 - 18.370.75
24 cm

mm

45 x 40	18.370.40
45 x 50	18.370.50
45 x 60	18.370.60
45 x 75	18.370.75





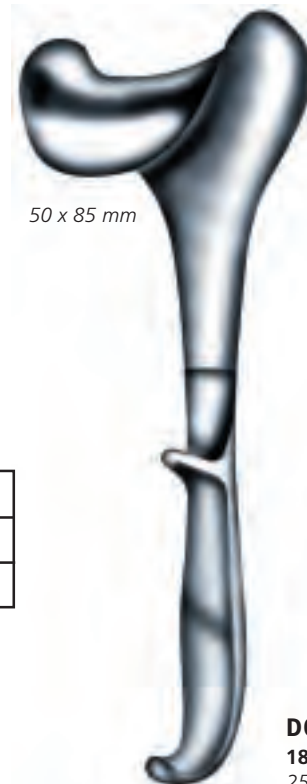
KOCHER
18.372.22
22.5 cm



mm

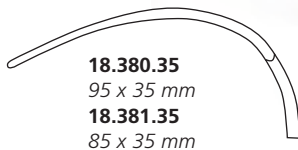
80 x 45	18.374.45
80 x 55	18.374.55
80 x 65	18.374.65

KOCHER
18.374.45 - 18.374.65
25 cm

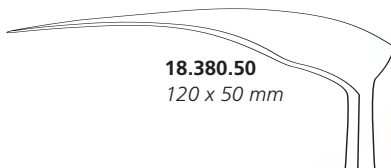


50 x 85 mm

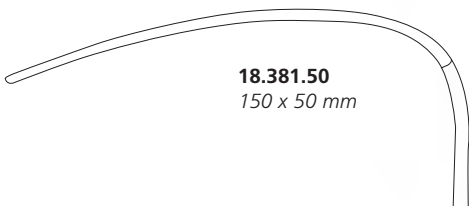
DOYEN
18.378.25
25 cm



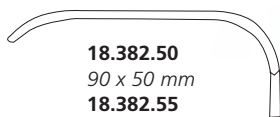
18.380.35
95 x 35 mm
18.381.35
85 x 35 mm



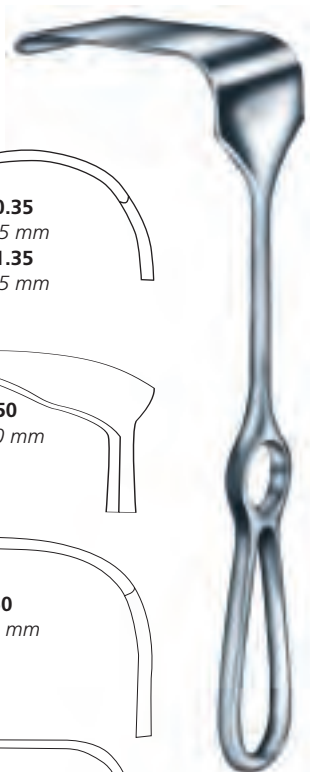
18.380.50
120 x 50 mm



18.381.50
150 x 50 mm



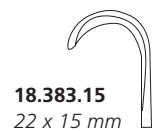
18.382.50
90 x 50 mm
18.382.55
85 x 55 mm



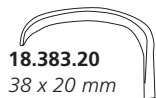
MIKULICZ
18.380.35 - 18.382.55
26 cm



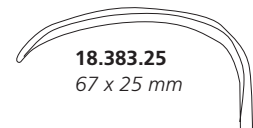
KOCHER WAGNER
18.383.15 - 18.383.35
28 cm



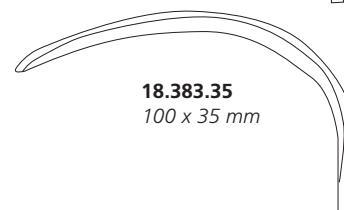
18.383.15
22 x 15 mm



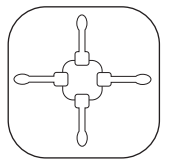
18.383.20
38 x 20 mm



18.383.25
67 x 25 mm



18.383.35
100 x 35 mm



KELLY
18.385.38
160 x 38 mm 27 cm
18.385.57
160 x 57 mm 27 cm

MORRIS
18.390.38 - 18.392.03

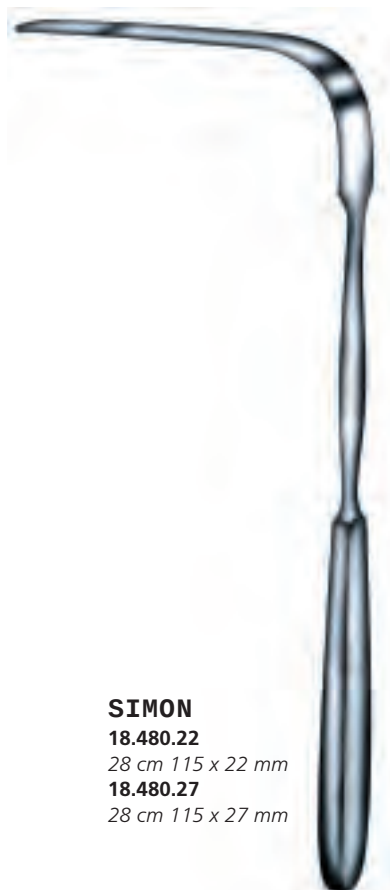
mm	simple
38 x 51	18.390.38
51 x 51	18.390.51
64 x 51	18.390.64
mm	double
32x51 / 38x51	18.392.01
44x51 / 51x51	18.392.02
64x51 / 38x51	18.392.03

18.396.40
20.5 cm 40 x 12 mm

18.396.55
20.5 cm 55 x 14 mm

18.397.67
21.5 cm 67 x 17 mm

DOCKHORN
18.396.40 - 18.397.67



SIMON
18.480.22
28 cm 115 x 22 mm
18.480.27
28 cm 115 x 27 mm



HEANEY
18.482.45 - 18.482.82
27 cm

18.482.45
45 x 25 mm

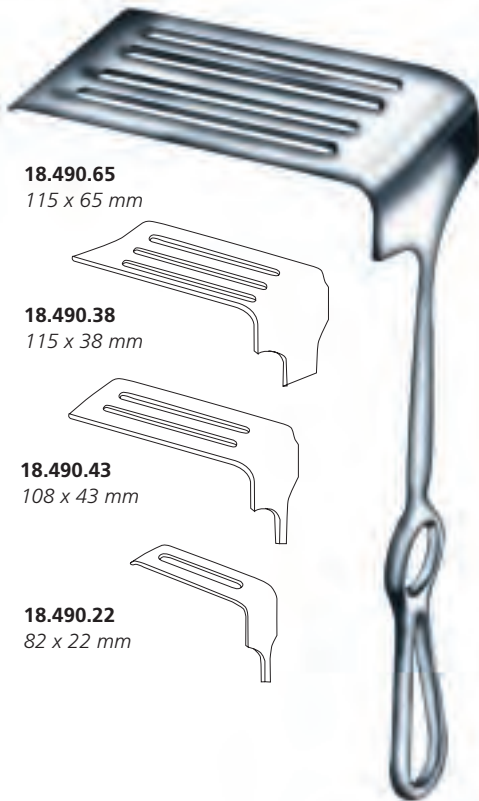
18.482.73
73 x 28 mm

18.482.82
82 x 28 mm



HIBBS
18.488.24
24 cm 25 x 75 mm





18.490.65
115 x 65 mm

18.490.38
115 x 38 mm

18.490.43
108 x 43 mm

18.490.22
82 x 22 mm

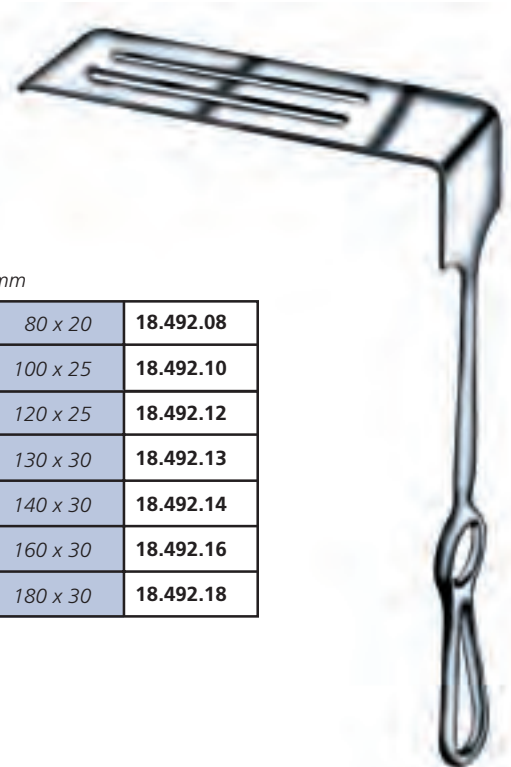
CORYLLOS
18.490.22 - 18.490.65



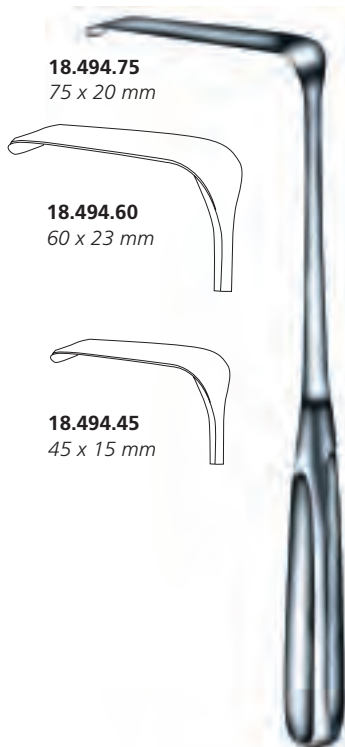
BRUNNER
18.492.08 - 18.492.18
25 cm

mm

80 x 20	18.492.08
100 x 25	18.492.10
120 x 25	18.492.12
130 x 30	18.492.13
140 x 30	18.492.14
160 x 30	18.492.16
180 x 30	18.492.18



SAUERBRUCH
18.492.25
25 cm



18.494.75
75 x 20 mm

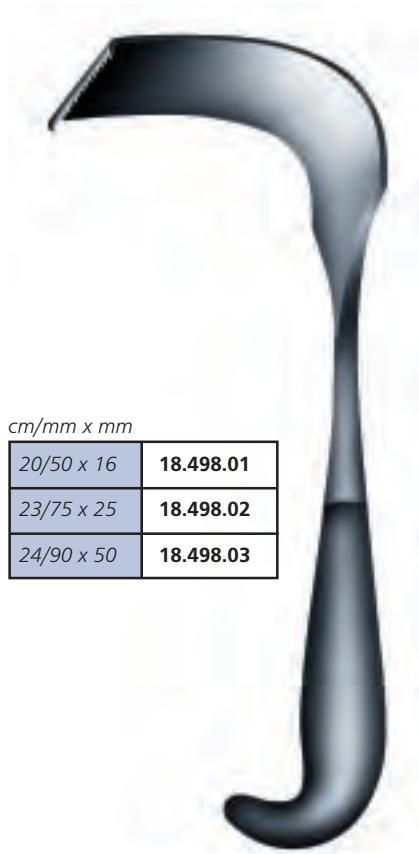
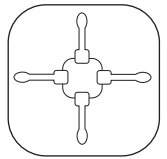
18.494.60
60 x 23 mm

18.494.45
45 x 15 mm

SAUERBRUCH
18.494.45 - 18.494.75



DAVIDSON (scapula)
18.496.50
75 x 50 mm
16 cm
18.496.90
75 x 90 mm
16 cm



cm/mm x mm

20/50 x 16	18.498.01
23/75 x 25	18.498.02
24/90 x 50	18.498.03

MEYERDING

18.498.01 - 18.498.03



MANNERFELDT
18.504.13
13.5 cm



MANNERFELDT
18.506.15
15.5 cm



MANNERFELDT
18.508.15
15.5 cm



18.510.01



18.510.02

MANNERFELDT
18.510.01 - 18.510.02
15.5 cm



18.512.01



18.512.02

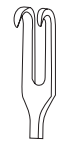


18.512.03

MANNERFELDT
18.512.01 - 18.512.03
15.5 cm



18.513.01



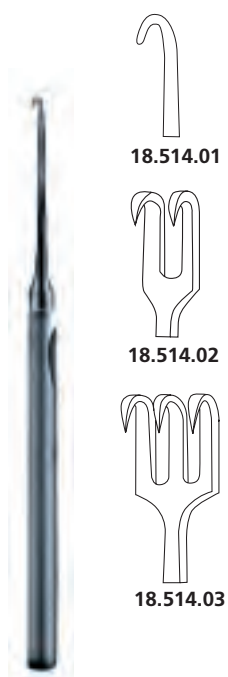
18.513.02



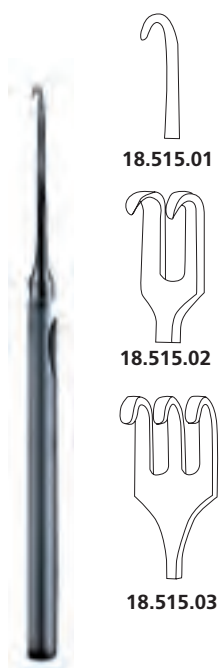
18.513.03

MANNERFELDT
18.513.01 - 18.513.03
15.5 cm





MANNERFELDT
18.514.01 - 18.514.03
 15.5 cm



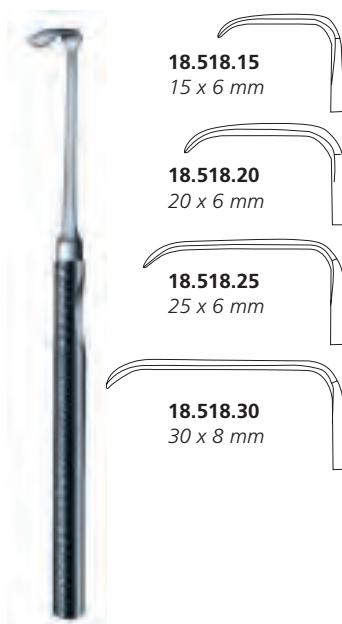
MANNERFELDT
18.515.01 - 18.515.03
 15.5 cm



MANNERFELDT
18.516.03
 15.5 cm



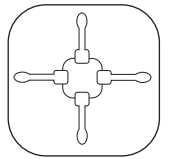
LANGENBECK MANNERFELDT
18.517.15
 15.5 cm



LANGENBECK MANNERFELDT
18.518.15 - 18.518.30
 15.5 cm



MANNERFELDT
18.519.12 - 18.519.16
 15.5 cm



MANNERFELDT
18.520.15
12 x 12 mm
15.5 cm



MANNERFELDT
18.521.16
16 cm



MANNERFELDT
18.522.16
16 cm



18.602.07
75 mm
18.602.11
115 mm
1 teeth

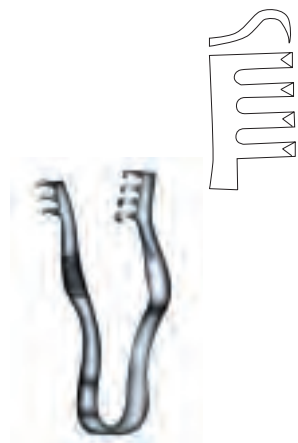


18.603.08
85 mm
18.603.11
115 mm

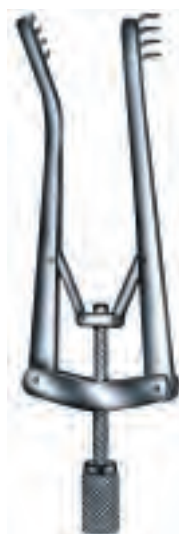


FARR
18.608.38 - 18.608.75

mm	
38	18.608.38
50	18.608.50
57	18.608.57
64	18.608.64
75	18.608.75



FINSEN
18.610.07 - 18.611.07
7 cm



ALM
18.620.07 - 18.621.10

cm	sharp	blunt
7	18.620.07	18.621.07
10	18.620.10	18.621.10



KUTTNER
18.622.24
24 cm



ALLPORT
18.624.10



JANSEN GIFFORD
18.628.10
sharp
18.629.10
blunt



JANSEN
18.630.10
sharp
18.631.10
blunt
10 cm



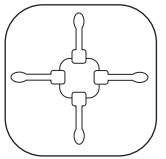
KOCHER
18.640.16
sharp
16 cm



JANSEN WAGNER
18.632.11



18.634.10
sharp
18.635.10
blunt



CROTTI
18.642.18
sharp
18 cm



WEITLANER
18.650.10
sharp
11.5 cm
18.650.10
blunt
11.5 cm



WEITLANER WULLSTEIN
18.654.13
sharp
13 cm
18.655.13
blunt
13 cm



MILLIGAN
18.656.13
3 X 3 teeth
13 cm



WIEGAND
18.656.15
3 teeth left
18.656.16
3 teeth right

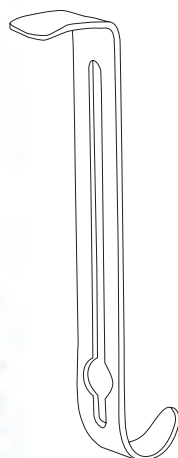


PLESTER
18.657.11
2 teeth right
11 cm
18.659.11
2 teeth left
11 cm





HENLEY
18.660.16
16 cm blunt
18.661.16
16 cm sharp



HENLEY
18.661.17 - 18.661.19

cm	
16 x 19	18.661.17
16 x 25	18.661.18
16 x 32	18.661.19



WEITLANER
18.668.13
13 cm sharp
18.669.13
13 cm blunt

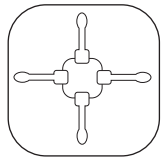


WEITLANER
18.670.14 - 18.671.25

cm	sharp	blunt
14.0	18.670.14	18.671.14
16.5	18.670.16	18.671.16
20.0	18.670.20	18.671.20
25.0	18.670.25	18.671.25



WEITLANER
18.670.26
sharp
18.671.26
blunt
26 cm
5 x 6 teeth



MAYO ADAMS
18.672.17
17 cm



HOEN
18.672.26
complete
27 cm
18.672.33
only
27 cm

mm

45 x 35	18.672.29	blade sharp
45 x 45	18.672.30	blade sharp
25 x 35	18.672.32	blade blunt
25 x 45	18.672.33	blade blunt



CONTOUR
18.673.14
14 cm



18.675.16
16.5 cm



MISKIMON
18.676.22
22 cm





ANDERSON ADSON

18.678.20
4 x 4 teeth
19 cm



ADSON

18.680.19
19 cm sharp
18.681.19
19 cm blunt

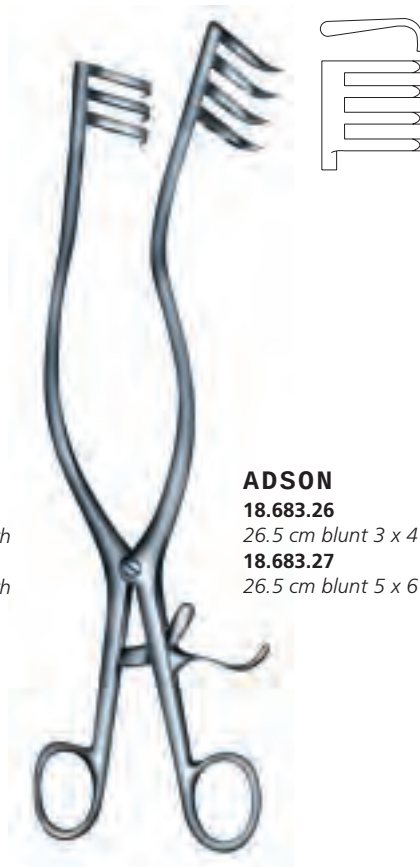


MALIS
18.681.00



ADSON

18.682.26
26.5 cm sharp 3 x 4 teeth
18.682.27
26.5 cm sharp 5 x 6 teeth



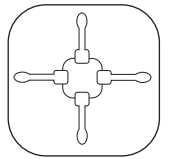
ADSON

18.683.26
26.5 cm blunt 3 x 4 teeth
18.683.27
26.5 cm blunt 5 x 6 teeth



ADSON baby

18.684.16
sharp 16 cm
18.685.16
blunt 16 cm



18.690.00
blunt

18.690.02
blunt

18.690.01
sharp

18.690.03
sharp



ADSON
18.686.32
32 cm



18.687.27
26.5 cm 2 x 6 teeth 32 mm
18.688.27
26.5 cm 6 teeth 13 mm right
18.689.27
26.5 cm 6 teeth 13 mm left



BECKMAN ADSON
18.690.00 - 18.690.03
31 cm
4 x 4 teeth



BECKMAN

18.690.31

31 cm sharp

18.691.31

31 cm middle sharp



BECKMAN EATON

18.692.32

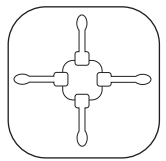
32 cm



MOLLISON

18.693.15

15 cm



70 x 38 mm

57 x 38 mm



CONE
18.694.16
16 cm
18.694.20
20 cm



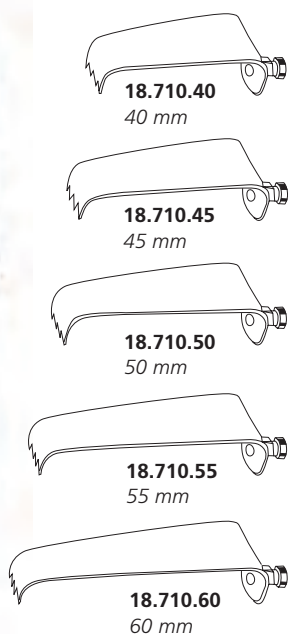
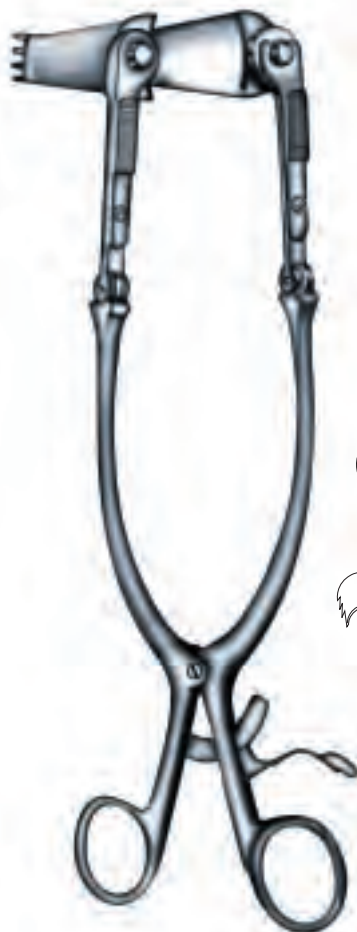
DARLING
18.696.18
16.5 cm left
18.698.18
16.5 cm right



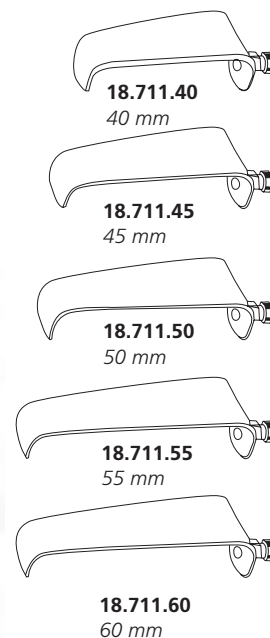
WALTON
18.707.01
18 cm right
18.707.02
18 cm left



KNIGHTON
18.708.01
19 cm right
18.708.02
19 cm left



CLOWARD
18.710.00
25 cm complete
18.710.01
25 cm without blades



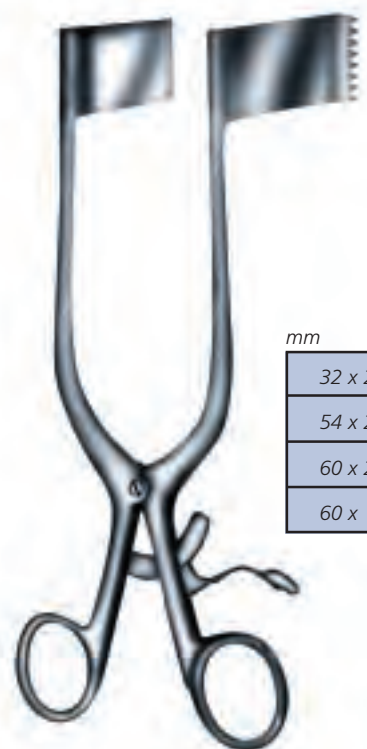
CLOWARD
18.711.00
17 cm complete
18.711.01
17 cm without blades



MARKHAM MEYERDING
18.712.18
18 cm

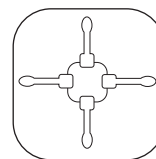


MARKHAM MEYERDING
18.713.18
18 cm

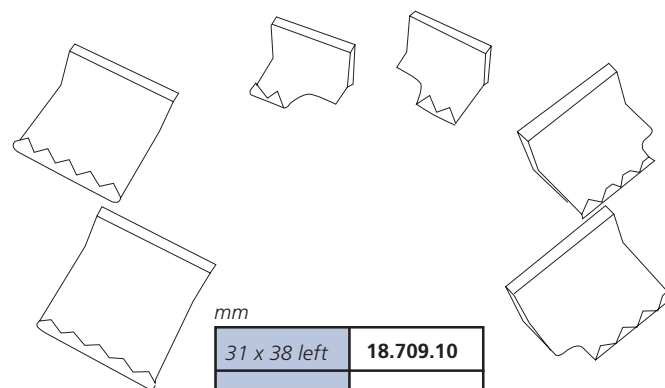


MEYERDING
18.714.32 - 18.714.61
18 cm

mm	
32 x 25	18.714.32
54 x 25	18.714.54
60 x 25	18.714.60
60 x 19	18.714.61



KARLIN
18.709.00
complete
18.709.05
retractor frame
18.709.20
blad universal
(left/right) 76 x 64 mm



31 x 38 left	18.709.10
31 x 38 right	18.709.11
61 x 44 left	18.709.16
61 x 44 right	18.709.17



CASPAR

45 x 23	18.716.45
50 x 23	18.716.50
55 x 23	18.716.55
60 x 23	18.716.60
65 x 23	18.716.65



CASPAR

40 x 23	18.718.40
45 x 23	18.718.45
50 x 23	18.718.50
55 x 23	18.718.55
60 x 23	18.718.60



CASPAR

40 x 23	18.719.40
45 x 23	18.719.45
50 x 23	18.719.50
55 x 23	18.719.55
60 x 23	18.719.60



CASPAR
18.720.00
complete
18.720.15
without blades



45 x 20	18.720.45
50 x 20	18.720.50
55 x 20	18.720.55
60 x 20	18.720.60
65 x 20	18.720.65



CASPAR
18.721.00
complete
18.721.15
without blades





18.722.11
11.5 cm



CASPAR
18.723.00
complete
18.723.12
only
12 cm
opening 12 cm



CASPAR
18.724.00
complete 2 x 5 blades
18.724.11



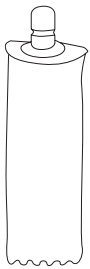
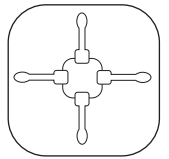
CASPAR

mm

40 x 20	18.724.40
45 x 20	18.724.45
50 x 20	18.724.50
55 x 20	18.724.55
60 x 20	18.724.60



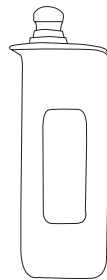
CASPAR
18.725.00
complete 5 blades
18.725.11
only
11.5 cm
opening 8.5 cm



CASPAR

mm

40 x 20	18.725.40
45 x 20	18.725.45
50 x 20	18.725.50
55 x 20	18.725.55
60 x 20	18.725.60



CASPAR

mm

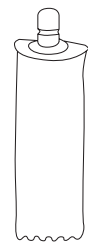
50 x 25	18.726.50
60 x 25	18.726.60



CASPAR

mm

40 x 25	18.727.40
45 x 25	18.727.45
50 x 25	18.727.50
55 x 25	18.727.55
60 x 25	18.727.60



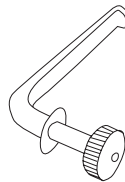
CASPAR

mm

40 x 25	18.728.40
45 x 25	18.728.45
50 x 25	18.728.50
55 x 25	18.728.55
60 x 25	18.728.60



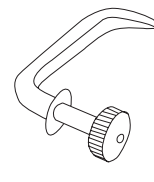
SCOVILLE
18.729.00
only frame
opening 15 cm



SCOVILLE

mm

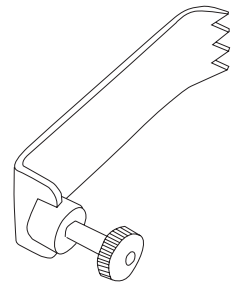
50	18.729.01
70	18.729.02



SCOVILLE

mm

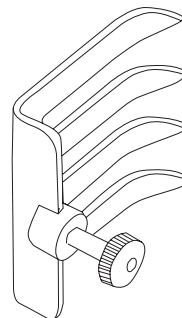
50	18.729.06
70	18.729.07



SCOVILLE

mm

64 x 25	18.729.11
64 x 50	18.729.12
88 x 25	18.729.13

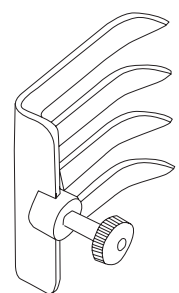


TAYLOR

mm

4 deeth

48 x 50	18.729.41
64 x 50	18.729.42
64 x 64	18.729.43
80 x 57	18.729.44



SCOVILLE

mm

4 deeth

41 x 38	18.729.46
67 x 44	18.729.47





SCOVILLE HAVERFIELD
18.729.50
only frame



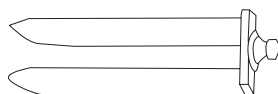
CASPAR
18.730.00
complete
18.730.15
only frame



CASPAR
18.731.50
50 mm



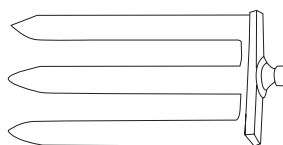
CASPAR
18.731.70
70 mm



CASPAR

mm

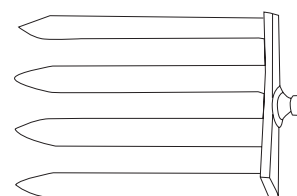
35 x 22	18.732.35
40 x 22	18.732.40
45 x 22	18.732.45
50 x 22	18.732.50
55 x 22	18.732.55
60 x 22	18.732.60
65 x 22	18.732.65
70 x 22	18.732.70



CASPAR

mm

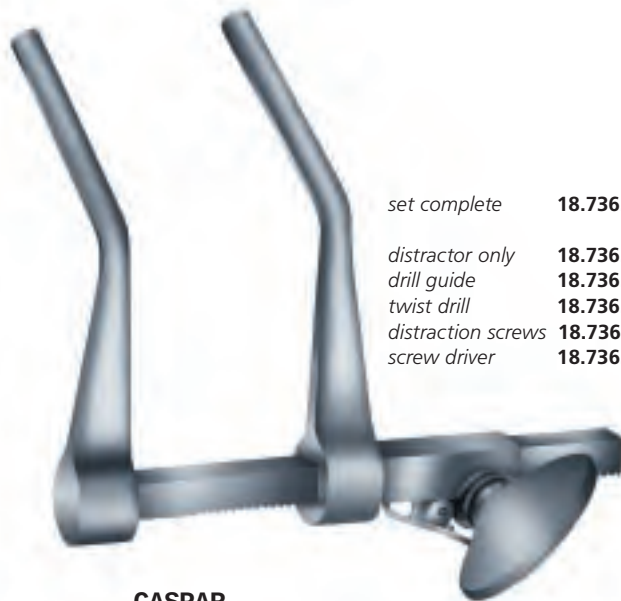
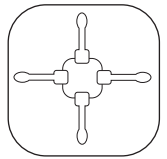
35 x 37	18.733.35
40 x 37	18.733.40
45 x 37	18.733.45
50 x 37	18.733.50
55 x 37	18.733.55
60 x 37	18.733.60
65 x 37	18.733.65
70 x 37	18.733.70



CASPAR

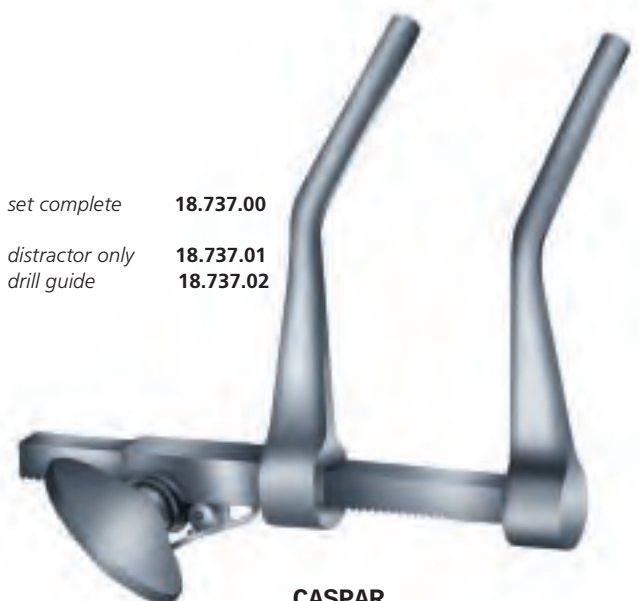
mm

35 x 52	18.734.35
40 x 52	18.734.40
45 x 52	18.734.45
50 x 52	18.734.50
55 x 52	18.734.55
60 x 52	18.734.60
65 x 52	18.734.65
70 x 52	18.734.70



set complete **18.736.00**
distractor only **18.736.01**
drill guide **18.736.02**
twist drill **18.736.10**
distraction screws **18.736.11**
screw driver **18.736.20**

CASPAR
18.736.00 - 18.736.20



set complete **18.737.00**
distractor only **18.737.01**
drill guide **18.737.02**

CASPAR
18.737.00 - 18.737.02



CASPAR
18.738.00
complete
18.738.01
only

18.738.35
35 mm



18.738.40
40 mm



18.738.45
45 mm



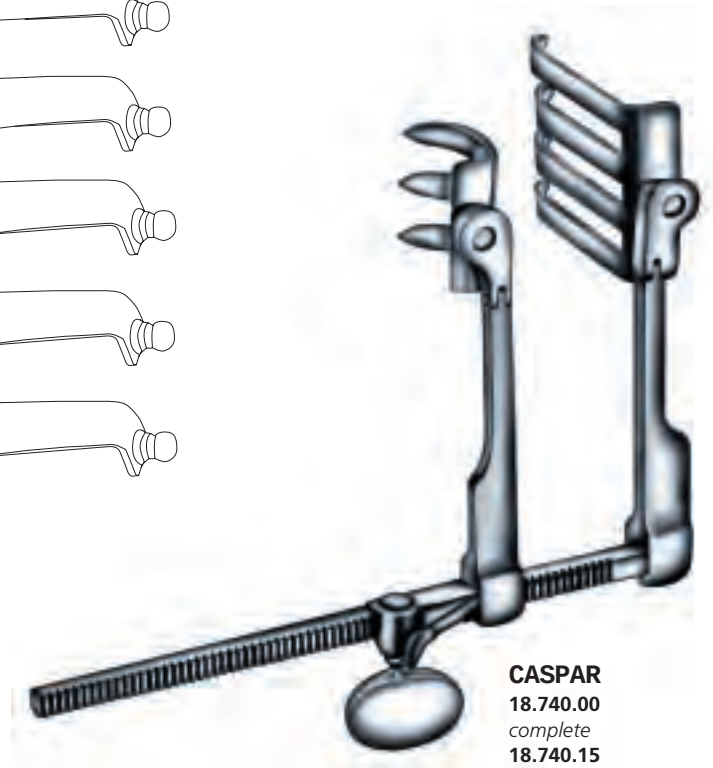
18.738.50
50 mm



18.738.55
55 mm



18.738.60
60 mm



CASPAR
18.740.00
complete
18.740.15
only





CASPAR
18.744.00
complete
18.744.17
only



18.745.40
40 mm



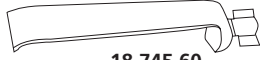
18.745.45
45 mm



18.745.50
50 mm



18.745.55
55 mm



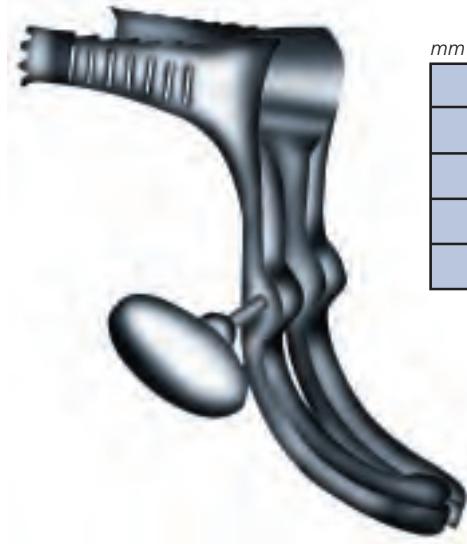
18.745.60
60 mm



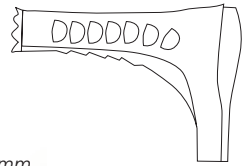
18.745.65
65 mm



18.745.70
70 mm

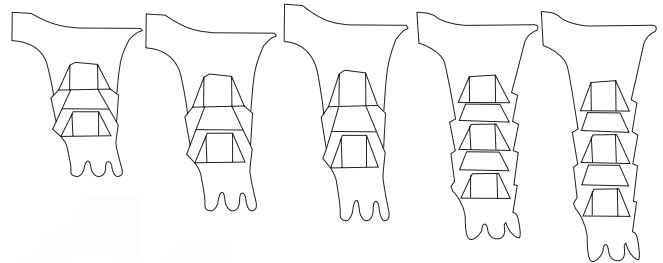


CASPAR
18.747.45 - 18.747.65



mm

45	18.747.45
50	18.747.50
55	18.747.55
60	18.747.60
65	18.747.65



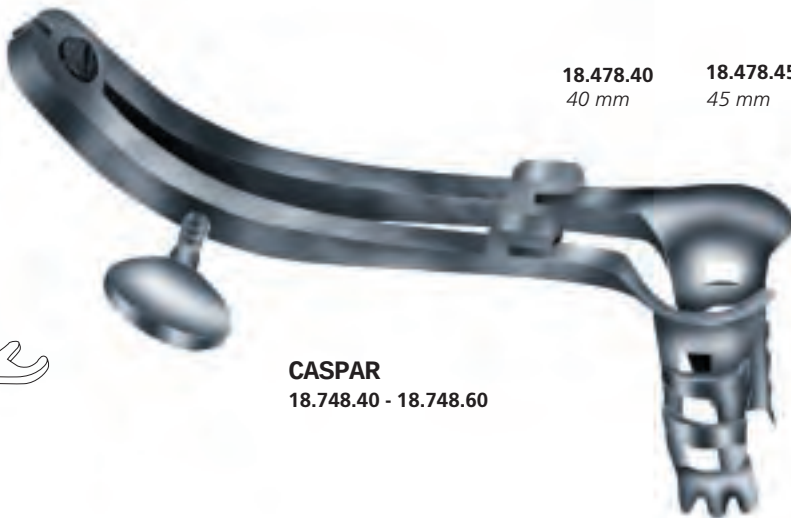
18.478.40
40 mm

18.478.45
45 mm

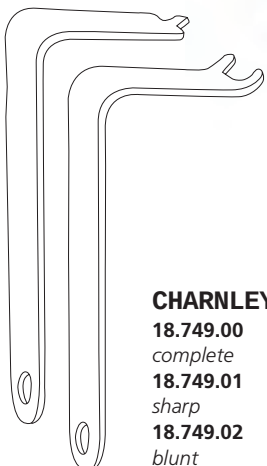
18.478.50
50 mm

18.478.55
55 mm

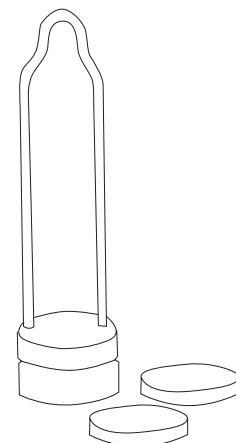
18.478.60
60 mm



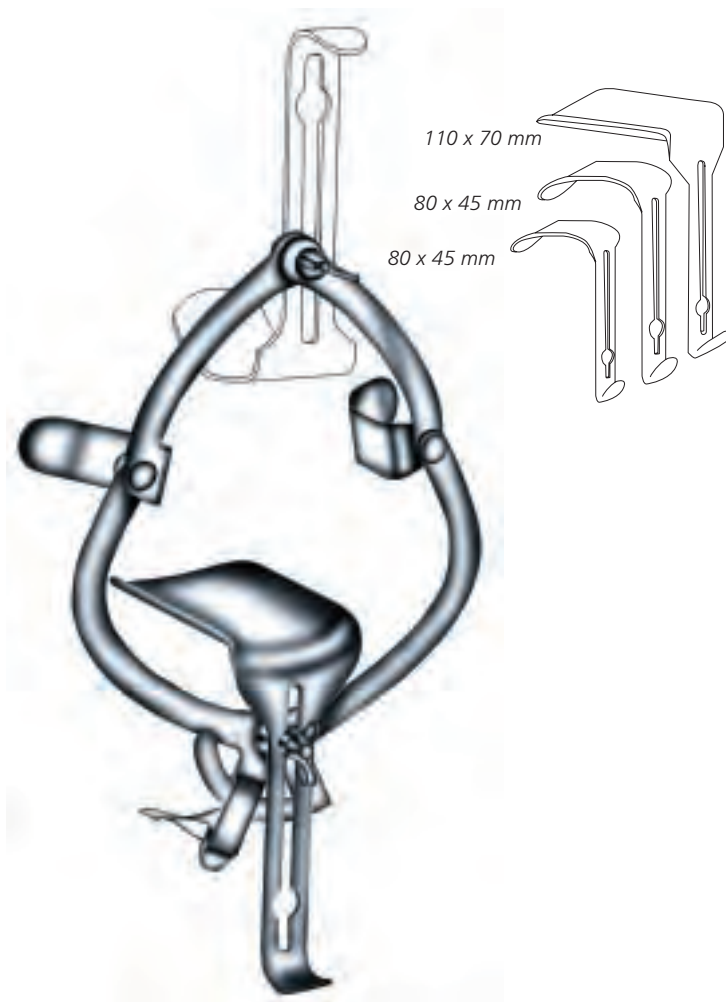
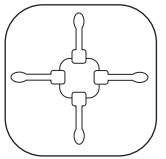
CASPAR
18.748.40 - 18.748.60



CHARNLEY
18.749.00
complete
18.749.01
sharp
18.749.02
blunt



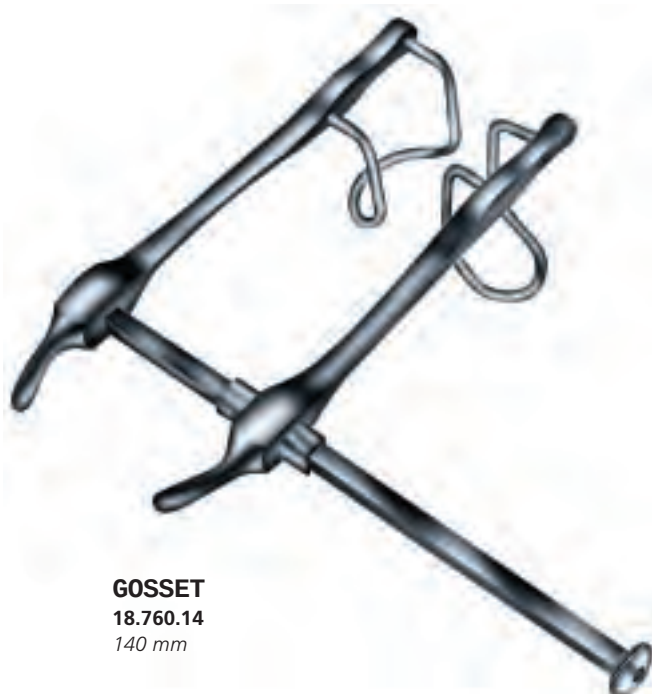
18.749.15
18.749.70



O'SULLIVAN O'CONNOR
18.754.00



FRAZIER
18.758.85
85 mm 40mm / 40 mm

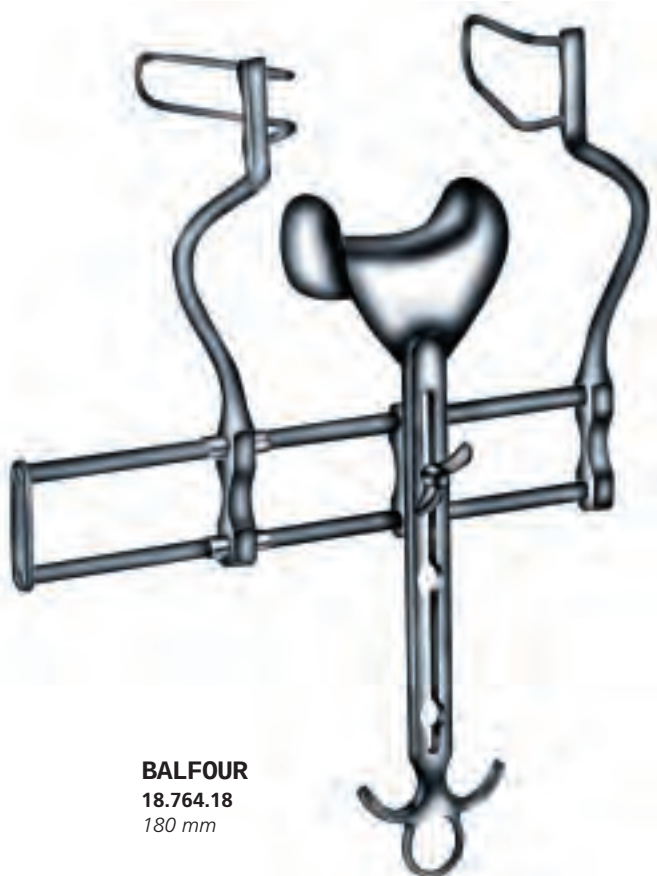


GOSSET
18.760.14
140 mm

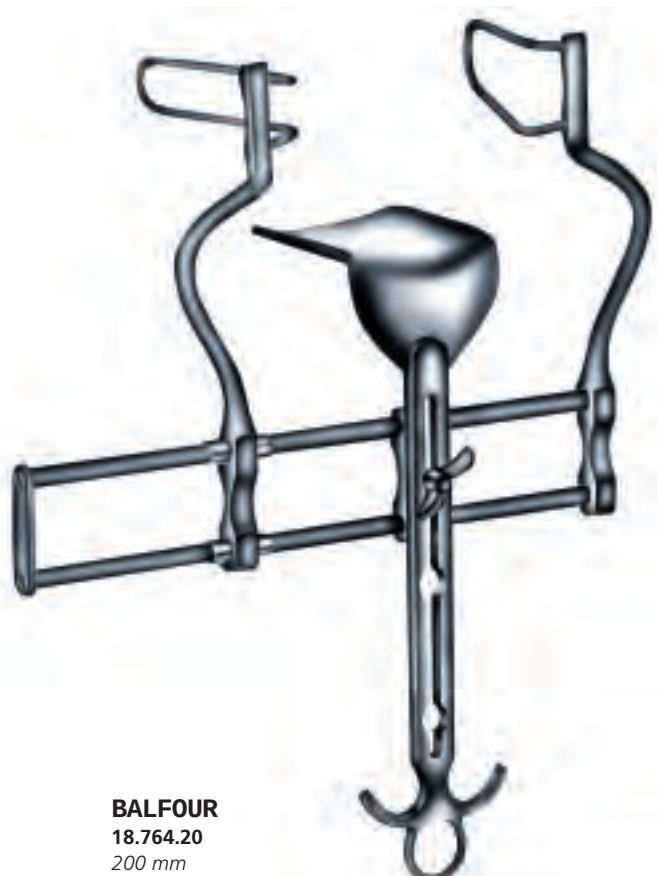


GOSSET
18.762.16
160 mm

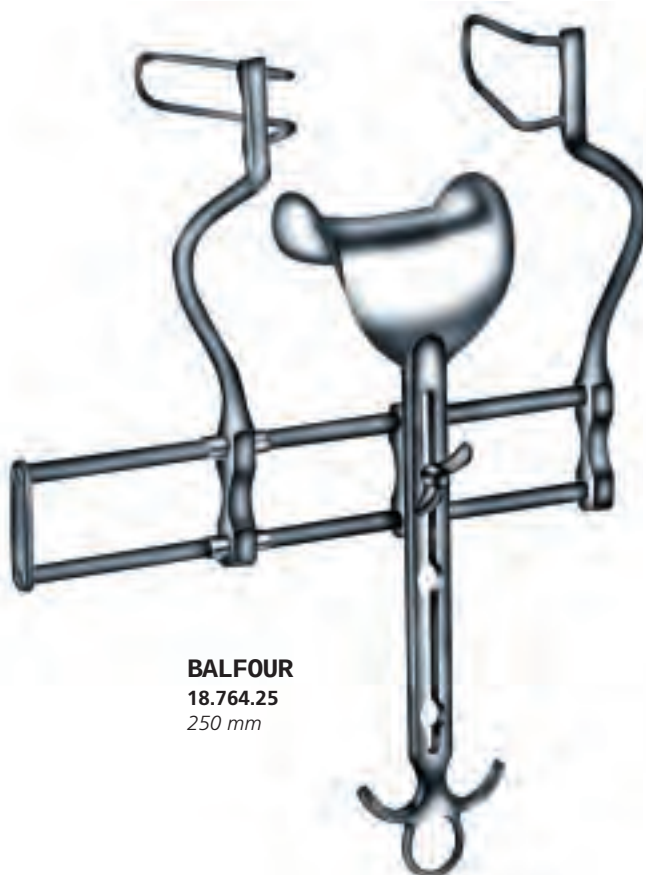




BALFOUR
18.764.18
180 mm



BALFOUR
18.764.20
200 mm



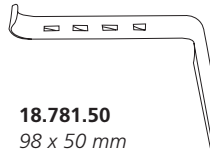
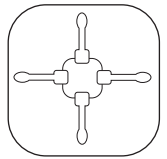
BALFOUR
18.764.25
250 mm



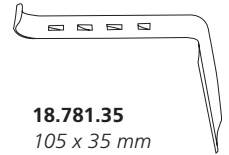
BALFOUR
18.765.45
45 x 80
18.765.70
70 x 85
18.765.80
80 x 90



BALFOUR baby
18.766.90
9 cm



18.781.50
98 x 50 mm



18.781.35
105 x 35 mm

KIRSCHNER

set complete **18.780.00**

frame 300 x 240 **18.780.01**

blades 50 x 65 **18.781.65**

80 x 90 **18.781.90**



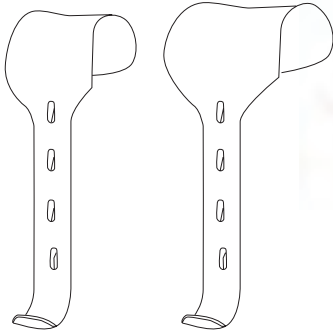
DENNIS BROWN RAHMEN baby

set complete **18.784.50**

frame 180 x 150 **18.784.62**

blades 30 x 40 **18.784.62**

40 x 40 **18.784.64**



18.781.55
40 x 55 mm

18.781.65
52 x 65 mm

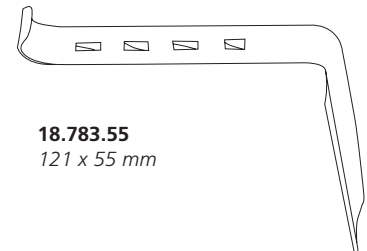
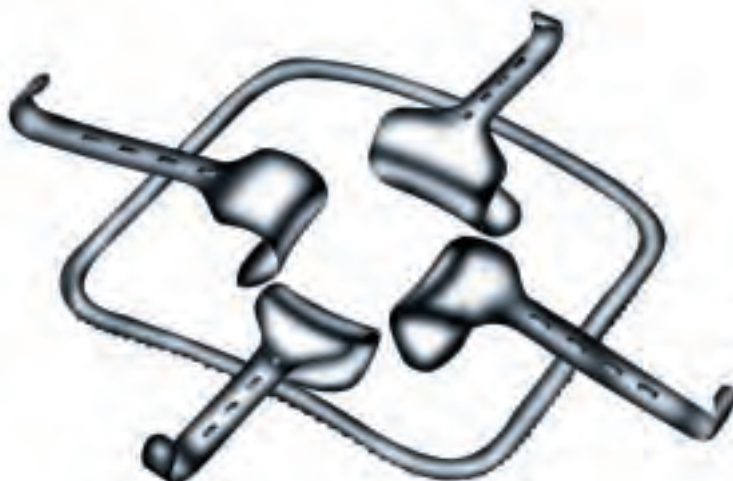
DENNIS BROWN RAHMEN adult

set complete **18.784.52**

frame 255 x 180 **18.784.61**

blades 30 x 40 **18.784.62**

40 x 40 **18.784.64**



18.783.55
121 x 55 mm

KIRSCHNER

set complete **18.782.00**

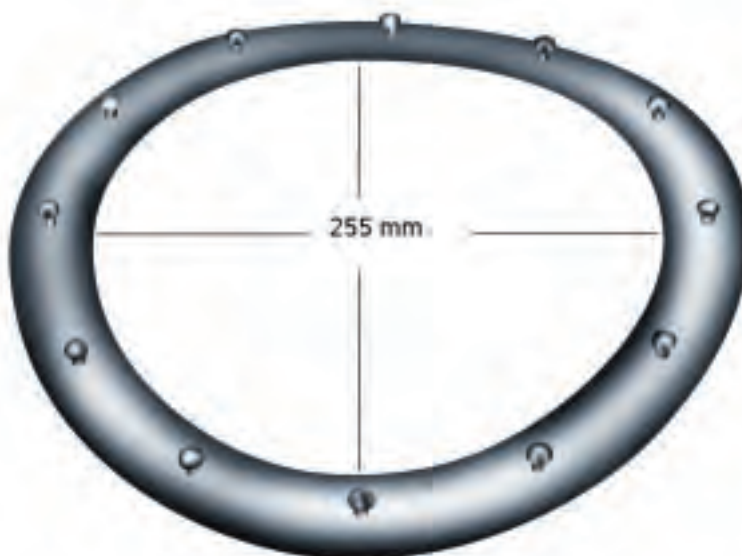
frame 240 x 240

blades 50 x 65

40 x 55



18.784.00
250 x 250 mm



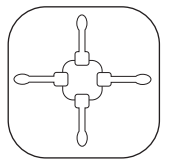
18.798.00
complete
18.798.12
only frame



18.798.45
65 x 45 mm



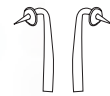
18.798.65
75 x 65 mm



cm

9	18.802.09
11	18.802.11
14	18.802.14
16	18.802.16
18	18.802.18

GELPI
18.802.09 - 18.802.18
opening 10 cm



GELPI
18.804.18
18 cm
opening 10 cm



ST. MARKS
18.805.21
21 cm
opening 16 cm



RIGBY
18.806.18
18 cm
opening 10 cm



GELPI SEILETZ
18.807.16
14.5 cm





RICHTER
18.808.16
16 cm



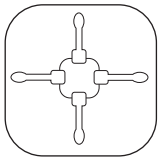
COLLIN
18.810.22
23.5 cm
opening 13.5 cm



COLLIN
18.812.60
38 x 55 mm
18.812.80
50 x 75 mm



COLLIN Loktite
18.816.00
26 cm



RICARD
18.822.28
28 cm
18.822.30
30 cm



OETTINGEN
18.824.00
complete
28 cm



ROCHARD
18.830.01
one side
18.830.02
both side

ROCHARD
18.831.19
fixation device

mm	ROCHARD blades
50 x 95	18.835.09
50 x 105	18.835.10
60 x 120	18.836.12
60 x 135	18.836.13
60 x 155	18.836.15



GARRET
18.850.18
18.4 cm



OCHSNER
18.853.20
20 cm



MALIS
18.860.19
18.5 cm retractors
18.861.01
fixation device
18.861.02
adjustable arm



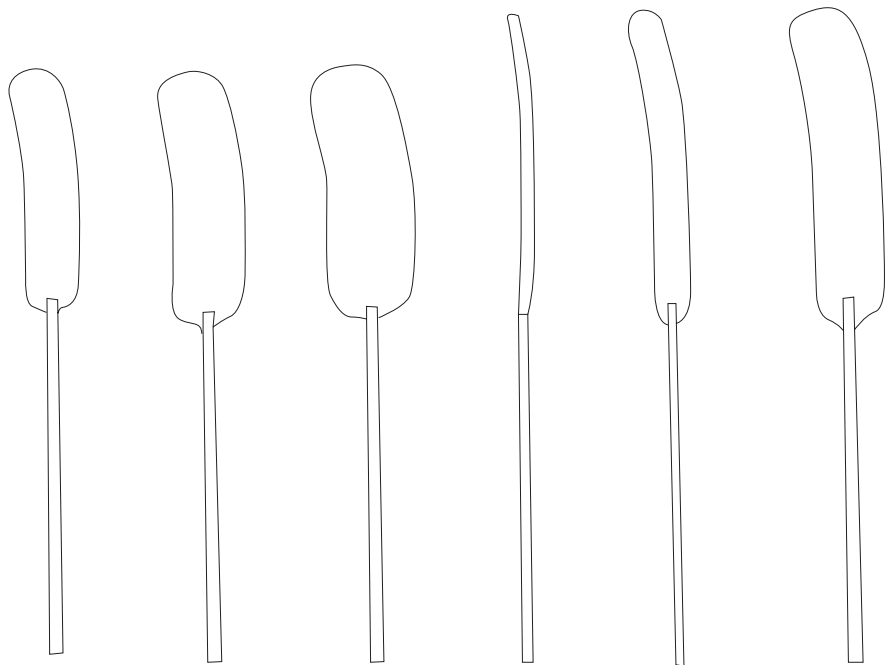
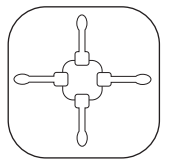
MALIS	MALIS	MALIS
18.862.09	18.862.12	18.862.15
9 cm	12 cm	15 cm



JANNETTA
18.870.00
complete
18.870.19
without blades



MALIS	MALIS	MALIS	MALIS	MALIS
18.863.09	18.863.14	18.863.16	18.863.19	18.863.25
9 x 70 mm	14 x 70 mm	16 x 70 mm	19 x 70 mm	25 x 70 mm



JANNETTA
18.873.16
16 x 70 mm

JANNETTA
18.873.20
20 x 70 mm

JANNETTA
18.873.25
25 x 70 mm

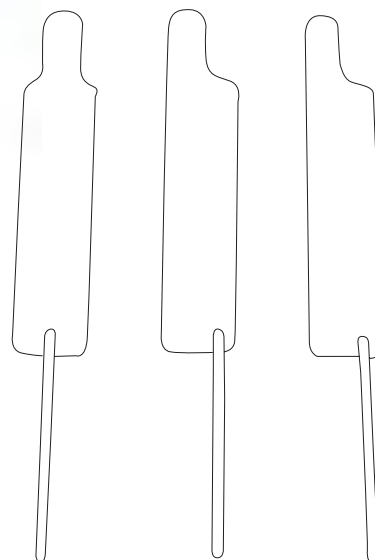
JANNETTA
18.875.05
5 x 90 mm

JANNETTA
18.875.11
11 x 90 mm

JANNETTA
18.875.21
21 x 90 mm

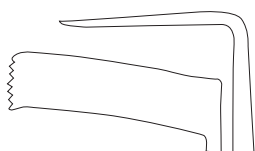


APFELBAUM
18.875.50
complete

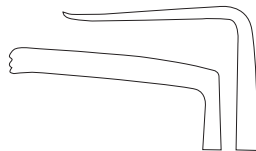




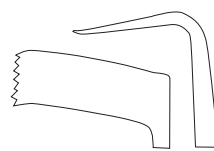
WILLIAM
18.881.50 - 18.882.70



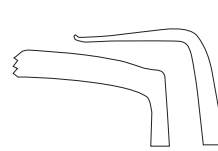
WILLIAMS
18.881.50
1 cm / 5 cm



WILLIAMS
18.881.70
1 cm / 7 cm



WILLIAMS
18.882.50
2 cm / 5 cm



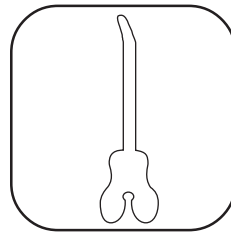
WILLIAMS
18.882.70
2 cm / 7 cm



18.902.10
2 x 2 hook
10 cm

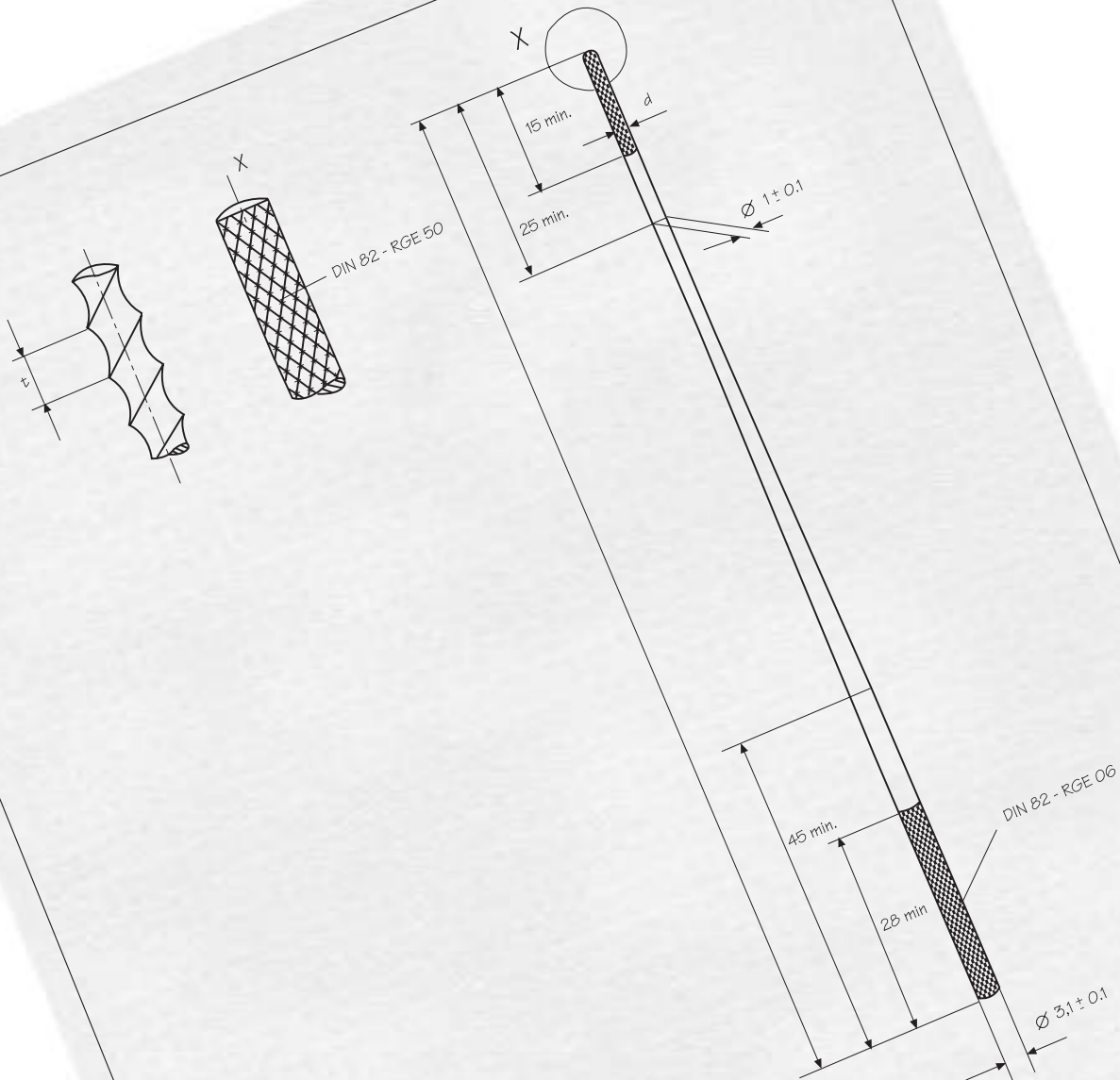


18.903.00
set 3



20

Probes, Cotton Applicators
Estiles, Sonda, Porta-Algues
Sonden, Wattenträger



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
Stainless Steel Inoxidable	Konstrukteur / constructor	July '98	cvd/jvd	1
	gezeichnet / dibujado	July '98	cvd	1:1
	geprüft / verificado	June '99	mj	mm
		Artikel / artículo		
		Artikel-Nr. / No. de articulo		

DEWIMED®



cm

11.5	20.102.11
13.0	20.102.13
14.5	20.102.14
16.0	20.102.16
18.0	20.102.18
20.0	20.102.20
25.0	20.102.25

20.102.11 - 20.102.25
ø 2 mm



cm

11.5	20.104.11
13.0	20.104.13
14.5	20.104.14
16.0	20.104.16
18.0	20.104.18
20.0	20.104.20
25.0	20.104.25

20.104.11 - 20.104.25
ø 1 mm



cm

11.5	20.105.11
13.5	20.105.13
14.5	20.105.14
16.5	20.105.16
20.0	20.105.20

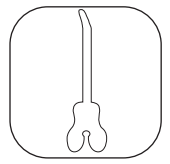
20.105.11 - 20.150.20
ø 1.5 mm



cm

11.5	20.106.11
13.0	20.106.13
14.5	20.106.14
16.0	20.106.16
18.0	20.106.18
20.0	20.106.20
25.0	20.106.25
30.0	20.106.30

20.106.11 - 20.106.30
ø 2 mm



cm

14.5	20.108.14
20.0	20.108.20

20.108.14 - 20.108.20



cm

13.0	20.110.13
14.5	20.110.14
16.0	20.110.16
18.0	20.110.18
20.0	20.110.20

20.110.13 - 20.110.20



DOYEN
20.111.14
14 cm



cm

13.0	20.112.13
14.5	20.112.14
16.0	20.112.16

20.112.13 - 20.112.16



STACKE
20.115.10
10 cm



NELATON
20.117.16
16 cm



20.120.19
19 cm
ø 3 mm



NABATOFF
20.150.00
 135 x 100 x 25 mm
 complete



20.150.02



20.150.06
 ø 6 mm



20.150.12
 ø 12 mm



20.150.03
 ø 3 mm



20.150.09
 ø 9 mm



20.150.15
 ø 15 mm



MYERS
20.154.06 - 20.154.15
 100 m

20.150.02

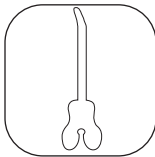
20.150.80



20.150.90

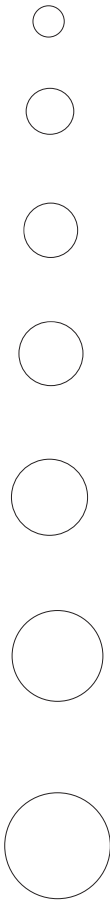
mm

6	20.154.06
9	20.154.09
12	20.154.12
15	20.154.15



mm	
4.8	20.156.48
7.2	20.156.72
9.6	20.156.96

MAYO
20.156.48 - 20.156.96
39 cm



mm	
4	20.160.04
6	20.160.06
7	20.160.07
8	20.160.08
10	20.160.10
12	20.160.12
14	20.160.14

20.160.04 - 20.160.14
55 cm



20.162.12
12 cm





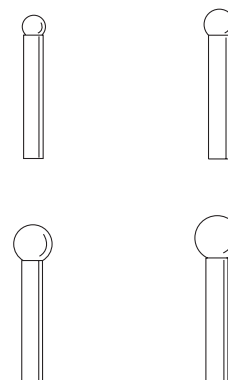
VARADY
20.167.01
18 cm



VARADY
20.167.02
18 cm



VARADY
20.167.03
18 cm



mm

3	20.170.03
4	20.170.04
5	20.170.05
6	20.170.06

SCHMID
20.170.03 - 20.170.06
15 cm



cm

13.0	20.190.13
14.5	20.190.14

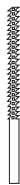
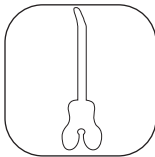
20.190.13 - 20.190.14



cm

12.0	20.270.12
14.0	20.270.14
16.5	20.270.16
18.0	20.270.18
23.0	20.270.23

FARREL
20.270.12 - 20.270.23



cm

12.0	20.272.12
14.0	20.272.14
16.5	20.272.16
18.0	20.272.18
23.0	20.272.23

FARREL
20.272.12 - 20.272.23



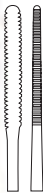
cm

12	20.290.12	20.292.12
14	20.290.14	20.292.14
16	20.290.16	20.292.16
18	20.290.18	20.292.18

20.290.12 - 20.292.18



URKERMANN
20.310.15
15 cm



cm

12.5	20.320.12
18.0	20.320.18

JOBSON HORNE
20.320.12 - 20.320.18



TOBOLD
20.331.25
25 cm



20.340.45
45 cm





Thomas Eakins
1889

The Agnew Clinic

One of the esteemed surgeons of the 19th century in America, Dr. Hayes Agnew, taught at the Medical School of the University of Pennsylvania.

On his retirement in 1889, Agnew's students commissioned Thomas Eakins to depict the doctor in his surgical theater.

La Clínica de Agnew

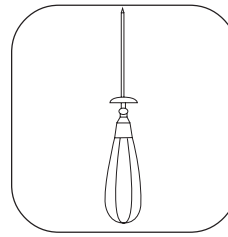
El Dr. Hayes Agnew fue uno de los cirujanos más apreciados del siglo XIX en América del Norte. Dr. Agnew daba clases en la School of University of Pennsylvania.

A su retiro, sus estudiantes contrataron al pintor Thomas Eakins para pintar el Cirujano en su teatro quirúrgico.

Die Agnew - Klinik

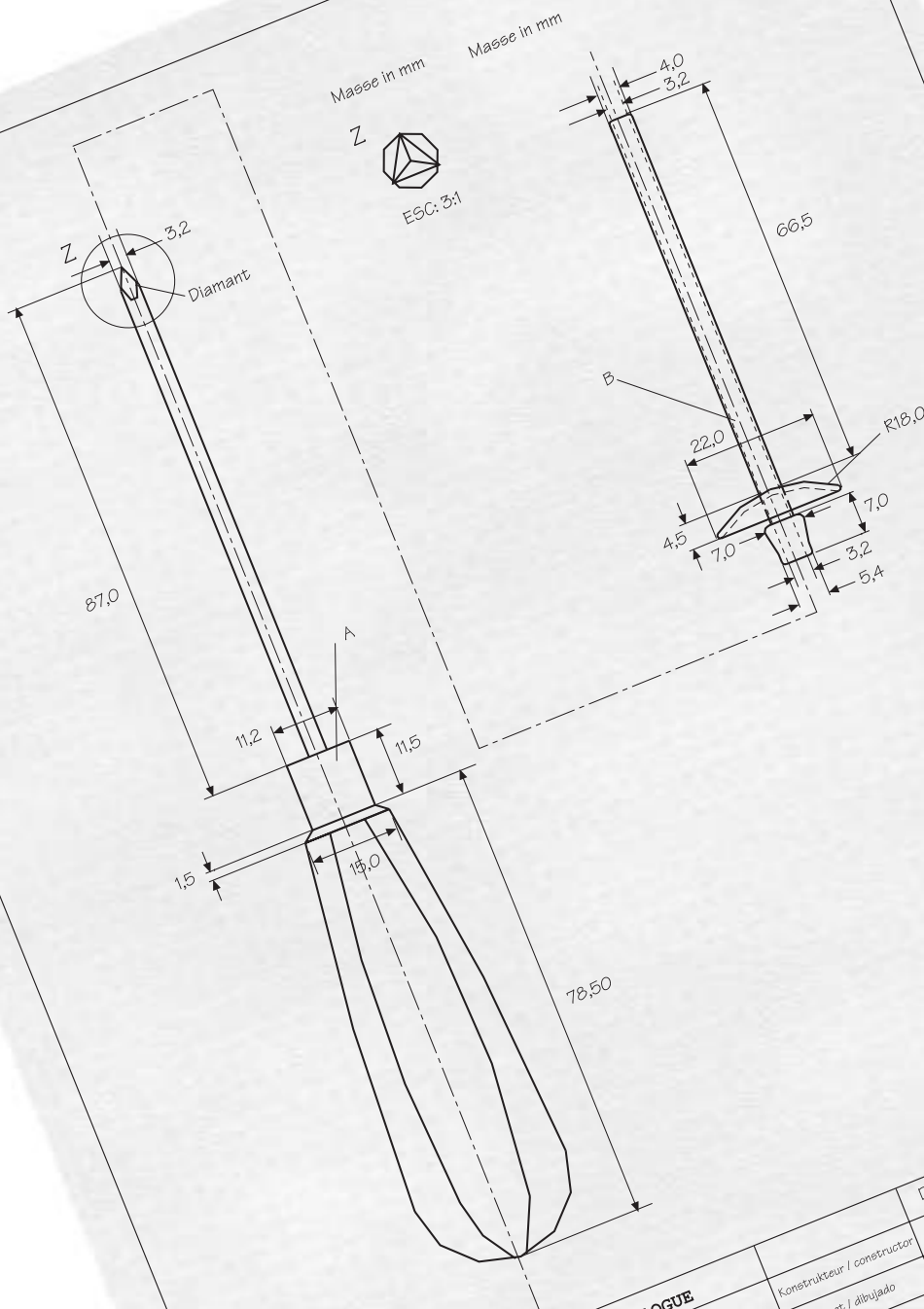
Dr. Hayes Agnew gehörte zu den sehr geschätzten Chirurgen des 19. Jahrhunderts in Amerika. Er unterrichtete in der School of the University of Pennsylvania.

Zu seiner Pensionierung beauftragten seine Studenten den Künstler Thomas Eakins, Dr. Agnew in seinem chirurgischen Theater zu malen.



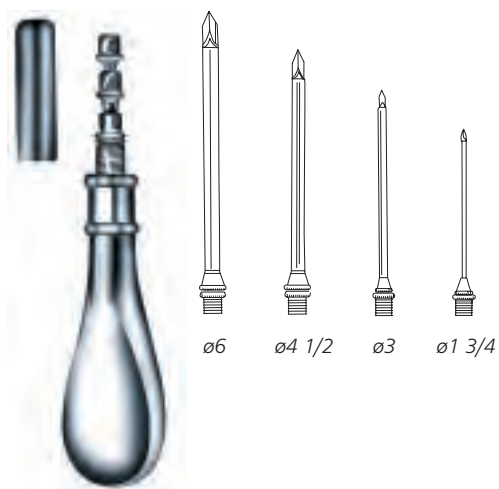
22

Trocars, Function Needles
Tócares, Agujas de Punción
Trokare, Funktionsnadeln



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
		July '98	cvd/jvd	1
		July '98	cvd	Maaestab / escala 1:1
		June '99	mj	Abt. / acot. mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo





universal
22.104.00
complete



standard
22.110.30 - 22.110.60

mm	
3.0	22.110.30
3.5	22.110.35
4.0	22.110.40
4.5	22.110.45
5.0	22.110.50
5.5	22.110.55
6.0	22.110.60



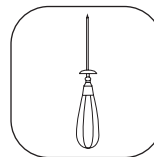
standard
22.120.30 - 22.120.60

mm	
3.0	22.120.30
3.5	22.120.35
4.0	22.120.40
4.5	22.120.45
5.0	22.120.50
5.5	22.120.55
6.0	22.120.60



PIERCE
22.123.30 - 22.123.50

mm	
3	22.123.30
4	22.123.40
5	22.123.50



DOUGLAS
22.125.11
ø 3 mm



FLEURANT
22.127.23
23 cm
ø 5 mm



LICHTWITZ
22.128.19
ø 1.75 mm



COAKLEY
22.140.02
ø 2.25 mm



OCHSNER
22.150.10 - 22.150.20

Charr / F.G.

10	22.150.10
12	22.150.12
14	22.150.14
16	22.150.16
18	22.150.18
20	22.150.20



BUELAU
22.160.24



NELSON
22.170.25 - 22.170.35

Charr / F.G.

25	22.170.25
30	22.170.30
33	22.170.33
35	22.170.35



complete
22.210.00
needle only
22.210.01



mm

0.7 x 76	22.230.07
1.0 x 76	22.230.10
1.2 x 70	22.230.12
0.7 x 89	22.232.07
1.0 x 89	22.232.10
1.2 x 89	22.232.12
0.7 x 50	22.234.07

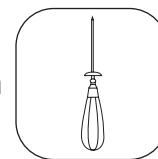
QUINKE
22.230.07 - 22.234.07



mm

80 x 1.0	22.236.10
80 x 1.2	22.236.12

BIER
22.236.10 - 22.236.12



CLAUDE
22.240.00



VERRES
22.250.20
2.0 X 100 mm



mm

1.0 x 35	22.302.01
1.0 x 70	22.302.02
1.2 x 70	22.302.03
1.2 x 100	22.302.04
1.4 x 70	22.302.05
1.4 x 100	22.302.06
1.6 x 70	22.302.07
1.8 x 100	22.302.08

MENGHINI
22.302.01 - 22.302.08



mm

1.4 x 168	22.310.14
1.8 x 168	22.310.18

MENGHINI
22.310.14 - 22.310.18



MENGHINI
22.312.14 - 22.312.18



cc	
5	22.314.05
10	22.314.10

MENGHINI
22.314.05 - 22.314.10



mm	
2.0 x 155	22.330.14
2.0 x 105	22.330.20

FRANKLIN SILVERMANN
22.330.14 - 22.330.20



FRANKLIN SILVERMAN
22.350.20 - 22.354.25

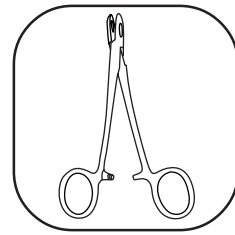


FRANKLIN SILVERMAN
22.352.15 - 22.356.20

mm		
2.0 X 100	22.350.20	22.352.15
2.5 X 145	22.350.30	22.352.20
2.0 X 100	22.354.20	22.356.15
2.5 X 145	22.354.25	22.356.20

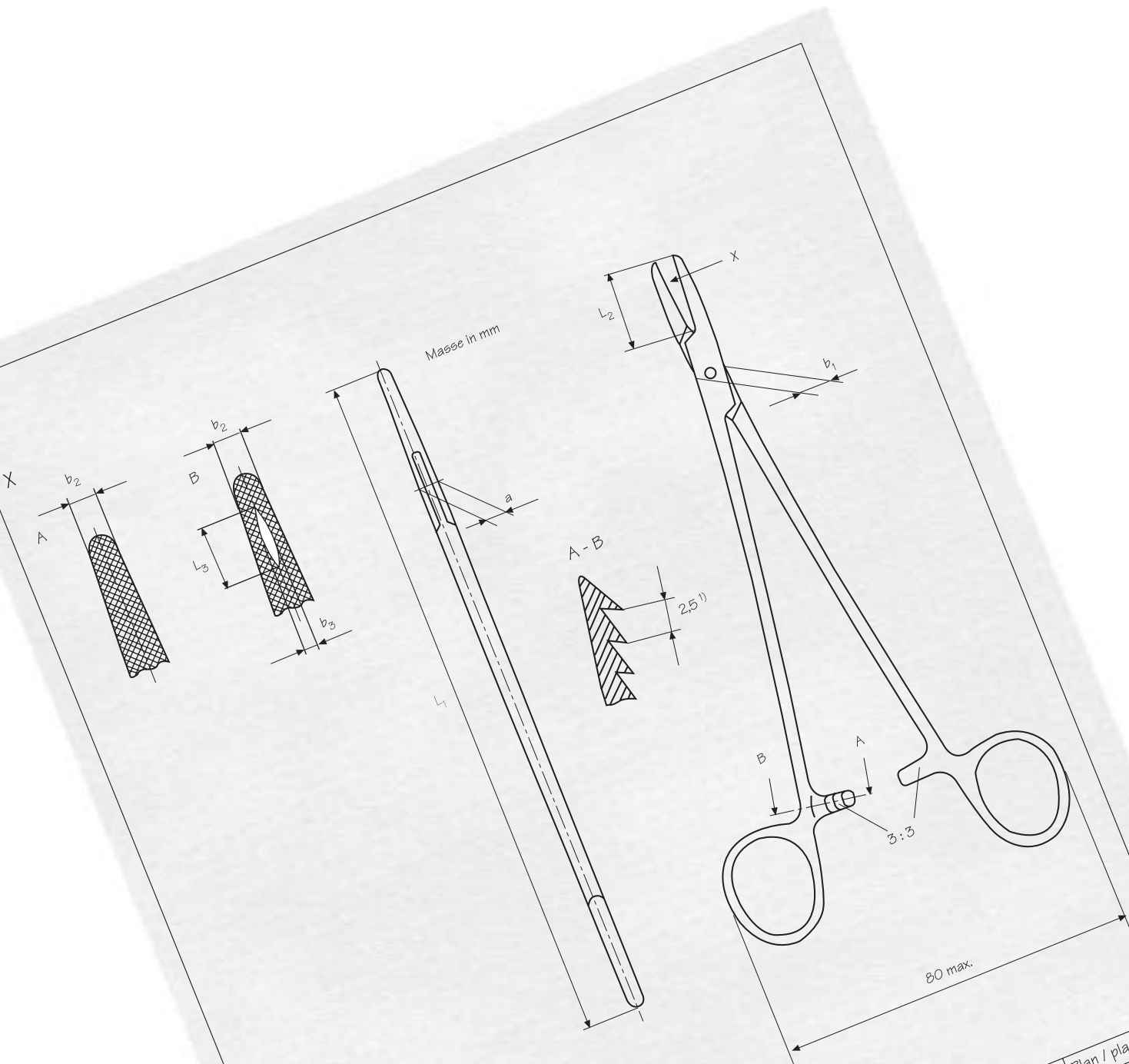


MOCK
22.372.06



24

Needle Holders
Porta agujas
Nadelhalter



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
		July '98	cvd/jvd	1
		July '98	cvd	Maaetab / escala 1:1
		June '99	mj	Abt. / acot. mm
				Artikel / artículo
				Artikel-Nr. / No. de articulo
Stainless Steel inoxidable				





WEBSTER
24.100.13
13 cm



CONVERSE
24.104.12 TC
12.5 cm



KILNER
24.104.13 TC
13.5 cm



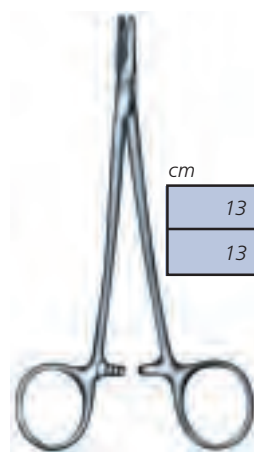
DERF
24.110.12
12 cm
24.114.12 TC
12 cm



DERF
24.120.12
12 cm

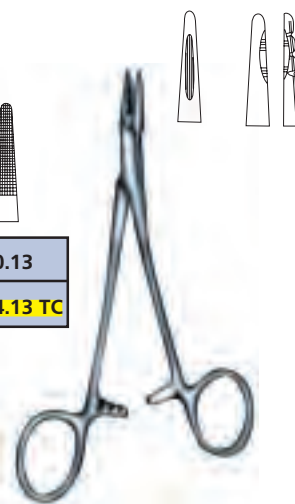


COLLIER
24.122.12
12.5 cm

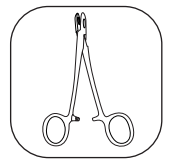


HALSEY
24.130.13 -24.144.13
13 cm

cm			
13	24.130.13	24.140.13	
13 TC	24.134.13 TC	24.144.13 TC	



NEIVERT
24.146.13
13 cm



BAUMGARTNER
24.150.12 - **24.154.14 TC**

mm

12.5	24.150.12	24.154.12 TC
14	24.150.14	24.154.14 TC



cm

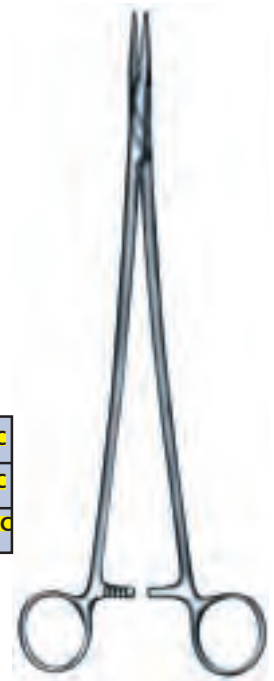
15	24.160.15	24.164.15 TC
18	24.160.18	24.164.18 TC
20	24.160.20	24.164.20 TC

CRILE WOOD

24.160.15 - **24.164.20 TC**

cm

16	24.190.16	24.194.16 TC
18	24.190.18	24.194.18 TC
20	24.190.20	24.194.20 TC



MAYO HEGAR

24.190.16 - 24.174.20 TC



CRILE MURRAY

24.170.15 - **24.174.15 TC**

15 cm



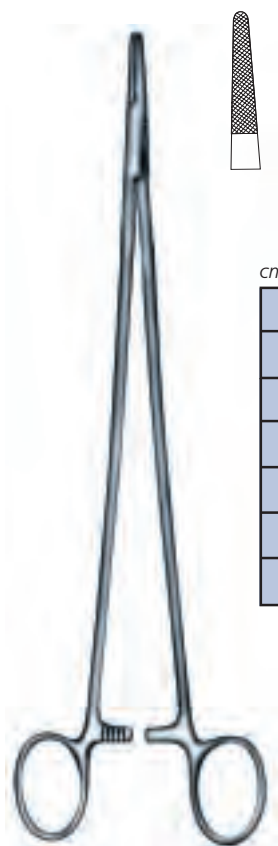
MAYO HEGAR

24.180.14 - 24.184.14 TC

cm

14	24.180.14	24.184.14 TC
16	24.180.16	24.184.16 TC
18	24.180.18	24.184.18 TC
20	24.180.20	24.184.20 TC
24	24.180.24	24.184.24 TC
26	24.180.26	24.184.26 TC
30	24.180.30	24.184.30 TC





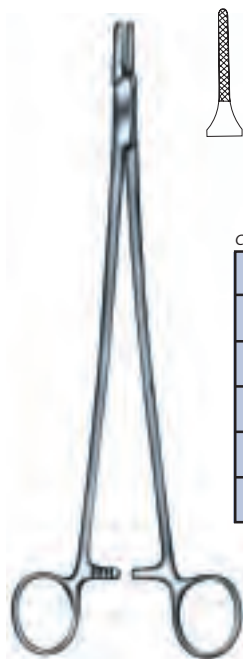
cm

15	24.214.15 TC
18	24.214.18 TC
20	24.214.20 TC
23	24.214.23 TC
26	24.214.26 TC
31	24.214.31 TC
37	24.214.37 TC

DE BAKEY
24.214.15 TC - 24.214.37 TC



DE BAKEY
24.216.16
16.5 cm
24.216.21
21 cm



cm

13	24.224.13 TC
15	24.224.15 TC
18	24.224.18 TC
20	24.224.20 TC
23	24.224.23 TC
26	24.224.26 TC

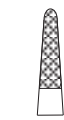
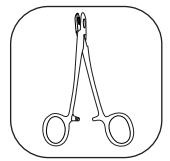
RYDER
24.224.13 TC - 24.224.26 TC



JAMISON
24.230.23 - 24.234.23 TC
23.5 cm



HEANEY
24.241.21
21 cm



24.244.15 TC

15 cm



24.244.17 TC

17 cm



24.244.20 TC

20 cm

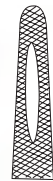
24.244.15 TC - 24.244.20 TC



HEANEY

24.245.21 TC

21 cm



24.250.27



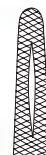
24.254.27 TC

27 cm

MASSON

24.250.27 - 24.254.27 TC

27 cm



24.260.27



24.264.27 TC

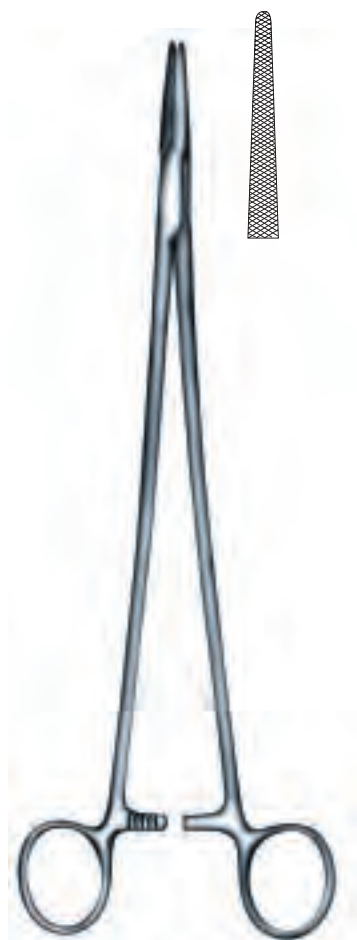
27 cm

WANGENSTEEN

24.260.27 - 24.264.27 TC

27 cm





WANGENSTEEN
24.270.27 - **24.274.27 TC**
27 cm



BOZEMANN
24.285.20 TC - 24.285.26 TC

cm

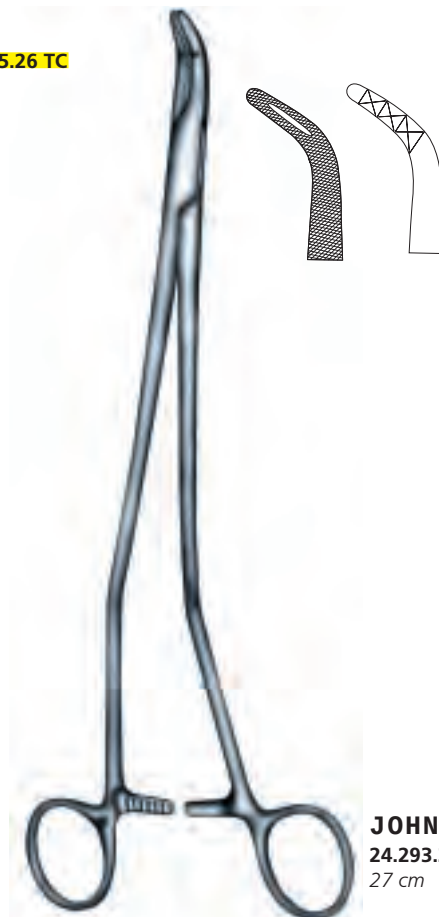
20	24.285.20 TC
24	24.285.24 TC
26	24.285.26 TC



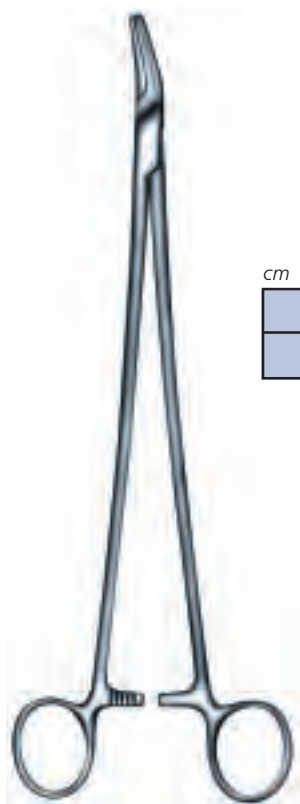
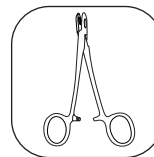
METZENBAUM
24.290.18
18 cm



ADSON
24.292.18
18 cm

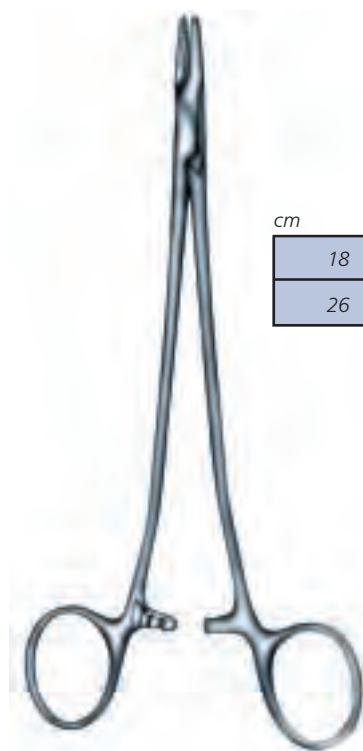


JOHNSON
24.293.27
27 cm



cm		
20	24.311.20	24.315.20 TC
27	24.311.27	24.315.27 TC

FINOCHIETTO
24.311.20 - 24.315.27 TC



cm		
18	24.320.18	24.324.18 TC
26	24.320.26	24.324.26 TC

SAROT
24.320.18 - 24.324.26 TC



STRATTE
24.330.23 - 24.334.23 TC
23 cm



CRILE
24.350.15
15 cm



TOENNIS
24.360.18 - 24.364.18 TC
18 cm



HOESEL
24.367.25
25 cm



MATHIEU
24.370.14 - 24.374.24 TC

cm

14	24.370.14	24.374.14 TC
17	24.370.17	24.374.17 TC
20	24.370.20	24.374.20 TC
24	24.370.24	24.374.24 TC



MATHIEU
24.380.17 - 24.384.20 TC

cm

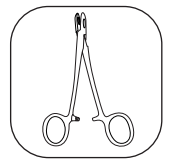
17	24.380.17	24.384.17 TC
20	24.380.20	24.384.20 TC



MATHIEU
24.390.14 - 24.394.17 TC

cm

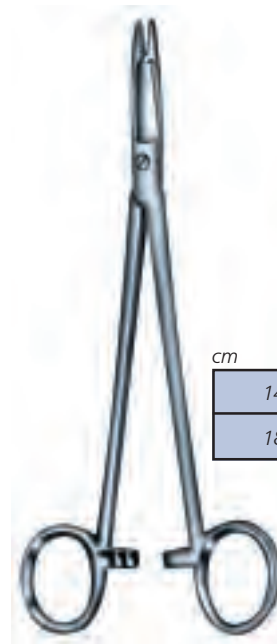
14	24.390.14	24.394.14 TC
17	24.390.17	24.394.17 TC



AXHAUSEN
24.404.18 TC
18.5 cm



LICHTENBERG
24.404.20 TC
20 cm

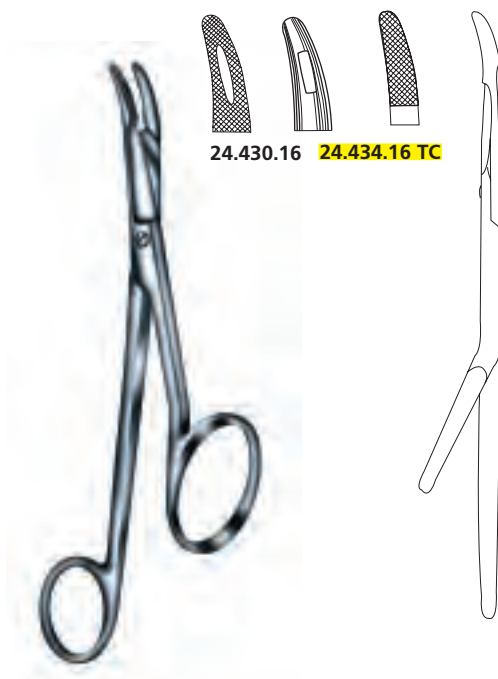


OLSEN HEGAR
24.410.14 - 24.414.18 TC

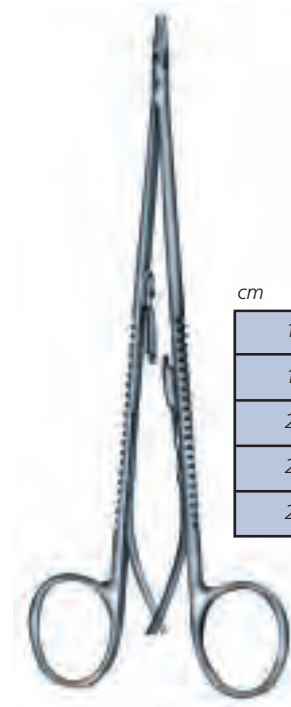
cm		
14	24.410.14	24.414.14 TC
18	24.410.18	24.414.18 TC



OLSEN HEGAR
24.420.17 - 24.424.17 TC
17 cm



GILLIES
24.430.16 - 24.434.16 TC
16 cm



DIETRICH
24.444.16 TC - 24.444.26 TC

cm	
16	24.444.16 TC
18	24.444.18 TC
20	24.444.20 TC
23	24.444.23 TC
26	24.444.26 TC



24.454.14 TC

14 cm



24.454.18 TC

18 cm



24.454.20 TC

20 cm

EUFRATE PASQUE

24.454.14 TC - 24.454.20 TC



cm

20	24.460.20	24.464.20 TC
23	24.460.23	24.464.23 TC

ZWEIFEL

24.460.20 - 24.464.23 TC



cm

11	24.610.11
13	24.612.13
15	24.612.15

STEVENS

24.610.11 - 24.612.15



BOYNTON

24.614.12

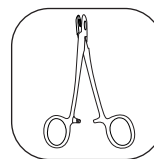
12 cm



ARRUGA

24.620.16 - 24.624.16

16 cm



KALT ARRUGA
24.627.14
14 cm



KALT
24.628.14
14 cm



24.650.10
10 cm



24.651.10
10 cm



24.652.12
12 cm

BARREQUER
24.650.10 - 24.652.12



micro	normal
24.653.18	24.654.15
24.656.18	24.655.15

REILL
18.653.18 - 24.656.18



cm	without catch	with catch	with catch
12	24.661.12	24.662.12	24.663.12
13	24.661.13		

BARRAQUER
24.661.12 - 24.663.12



BARRAQUER
24.664.15
15 cm
24.665.13 TC
13 cm





24.666.18
18 cm

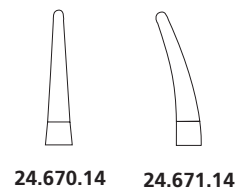


24.667.15 - 24.667.23

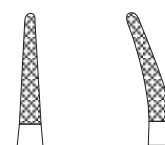
cm	
15	24.667.15
18	24.667.18
23	24.667.23



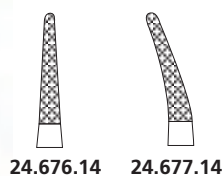
CASTROVIEJO
24.670.14 - **24.675.21 TC**



24.670.14 **24.671.14**



cm		
14	24.674.14 TC	24.675.14 TC
18	24.674.18 TC	24.675.18 TC
21	24.674.21 TC	24.675.21 TC



24.676.14 **24.677.14**

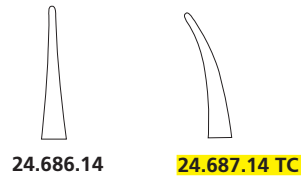
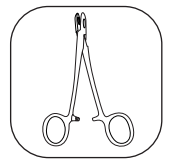
CASTROVIEJO
24.676.14 - 24.677.14
14 cm



24.678.14 TC
14 cm
24.678.18 TC
18 cm



24.680.13
13 cm
24.684.13 TC
13 cm



24.686.14 - 24.671.14 TC
14 cm



cm

16	24.690.16	24.691.16
18	24.690.18	24.691.18

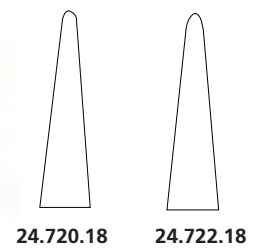
24.690.16 - 24.691.18



cm

16.5	24.710.20	24.711.16
20.5	24.710.22	24.711.20
22.5		24.711.22
24.5		24.711.24

DEWIMED
24.710.20 - 24.711.24



JACOBSON
24.720.18 - 24.722.18
18 cm



cm

16.0	41.220.16
18.0	41.220.18
20.0	41.220.20
22.5	41.220.22
24.0	41.220.24

insulated

16.0	41.222.16
18.0	41.222.18
20.0	41.222.20
22.5	41.222.22
24.0	41.222.24



cm

16.0	41.230.16	41.231.16
18.0	41.230.18	41.231.18
20.0	41.230.20	41.231.20
22.5	41.230.22	41.231.22
24.0	41.230.24	41.231.24

insulated

16.0	41.232.16	41.233.16
18.0	41.232.18	41.233.18
20.0	41.232.20	41.233.20
22.5	41.232.22	41.233.22
24.0	41.232.24	41.233.24

micro needle holder
41.220.16 - 41.233.24
without ratchet



cm

16.0	41.240.16
18.0	41.240.18
20.0	41.240.20
22.5	41.240.22
24.0	41.240.24

insulated

16.0	41.242.16
18.0	41.242.18
20.0	41.242.20
22.5	41.242.22
24.0	41.242.24



cm

16.0	41.250.16	41.251.16
18.0	41.250.18	41.251.18
20.0	41.250.20	41.251.20
22.5	41.250.22	41.251.22
24.0	41.250.24	41.251.24

insulated

16.0	41.252.16	41.253.16
18.0	41.252.18	41.253.18
20.0	41.252.20	41.253.20
22.5	41.252.22	41.253.22
24.0	41.252.24	41.253.24



micro needle holder
41.240.16 - 41.253.24
without ratchet



Magnifications glasse Lupas y Microscopios



Stainless Steel
inoxidable





25.32.002 - 25.32.86

*binocular magnification glasses
2 and 2.5 magnification*

The HEINE magnification glasses are characterized by their precision optics and lightness.

Characteristics:

- Very light frame resistant to torsion.
- One-handed adjustment of interpupillary distance.
- Height-adjustment.
- Optics can be swivelled or removed.
- Coaxial shadow-free illumination.

technical data

Magnifications	2 x	2.5 x	2.5 x
Working distance	420 mm	420 mm	340 mm
Field of vision	ø95 mm	ø85 mm	ø75 mm
Weight	80 g	80 g	80 g

Las lupas binoculares de HEINE destacan por la precisión de su óptica y de su peso ligero.

Son de uso universal.

Características:

- Armazón ligero y a prueba de torsión.
- Óptica abatible hacia arriba.
- Ajuste de distancia entre pupilas con una sola mano.
- Óptica extraíble de la montura.
- Ajuste de altura de dos posiciones.
- Se suministra una iluminación adicional incorporable.
- Iluminación libre de sombras y coaxial.

datos técnicos

Ampliación	2 x	2.5 x	2.5 x
Distancia de trabajo	420 mm	420 mm	340 mm
Campo de visión	ø95 mm	ø85 mm	ø75 mm
Peso	80 g	80 g	80 g

magnification 2

frame	working distance 420 mm	working distance 340 mm
without	25.32.002	
large	25.32.081	
small	25.32.071	

magnification 2.5

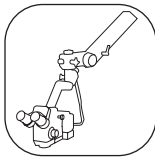
frame	working distance 420 mm	working distance 340 mm
without	25.32.007	25.32.004
large	25.32.086	25.32.083
small	25.32.076	25.32.072

ampliación 2

armazón	distancia de trabajo 420 mm	distancia de trabajo 340 mm
sin	25.32.002	
grande	25.32.081	
chico	25.32.071	

ampliación 2.5

armazón	distancia de trabajo 420 mm	distancia de trabajo 340 mm
sin	25.32.007	25.32.004
grande	25.32.086	25.32.083
chico	25.32.076	25.32.072



Die binokularen Vergrößerungsgläser von HEINE sind aufragend durch die Präzision ihrer Optik und durch ihr leichtes Gewicht.

Merkmale:

- Nach oben klappbare Optik.
- Leichtes und krümmungssicheres Brillengestell.
- Von Brillengestell abbaubare Optik.
- Einhändige Einstellung des Augenabstandes.
- Schattenfreie und koachsiale Beleuchtung.
- Zweistellige Höheneinstellung.

technische Angaben

Vergrößerung	2 x	2.5 x	2.5 x
Arbeitsabstand	420 mm	420 mm	340 mm
Sichtfeld	ø95 mm	ø85 mm	ø75 mm
Gewicht	80 g	80 g	80 g

Vergrößerung 2

Brillengestell	Arbeitsabstand 420 mm	Arbeitsabstand 340 mm
ohne	25.32.002	
groß	25.32.081	
klein	25.32.071	

Vergrößerung 2.5

Brillengestell	Arbeitsabstand 420 mm	Arbeitsabstand 340 mm
ohne	25.32.007	25.32.004
groß	25.32.086	25.32.083
klein	25.32.076	25.32.072



25.32.012 - 25.32.014
 frame with opticas mount and retaining cord
 armazón con portaópticas y cinta de sujeción
 Brillengestell mit Optikhalter und Halterungsband

	A	B	C	
large	17 mm	57 mm	140 mm	25.32.012
small	15mm	55 mm	135 mm	25.32.014




25.32.003 - 25.32.85

binocular magnification glasses
3.5, 4 and 6 magnifications

High quality optical elements guarantee high resolution images for high performance

Characteristics:

- Precision prismatic optics, acromatic with multiple correction.
- Light weight frames safe against torsion
- Adjustment of interpupillary distance one-handed.
- Two positional height adjustment
- Optics can be swivelled up
- Optics can be removed from the frame
- Coaxial shadow-free illumination.

technical data

Magnifications	3.5 x	4 x	6 x
Working distance	420 mm	340 mm	340 mm
Field of vision	ø65 mm	ø50 mm	ø38 mm
Weight	115 g	115 g	115 g

Las piezas ópticas de alta calidad garantizan una resolución de imagen extremadamente alta para exigencias elevadas.

Características:

- Optica prismática de precisión con acrómatas de corrección múltiple.
- Armazón ligero y a prueba de torsión.
- Optica abatible hacia arriba.
- Ajuste de distancia entre pupilas con una sola mano.
- Optica extraíble de la montura.
- Ajuste de altura de dos posiciones.
- Iluminación libre de sombras y coaxial.

datos técnicos

Ampliación	3.5 x	4 x	6 x
Distancia de trabajo	420 mm	340 mm	340 mm
Campo de visión	ø65 mm	ø50 mm	38 mm
Peso	115 g	115 g	115 g

magnification 3.5

frame	working distance 420 mm
without	25.32.003
large	25.32.082
small	25.32.072

magnification 4

frame	working distance 340 mm
without	25.32.005
large	25.32.084
small	25.32.074

magnification 6

frame	working distance 340 mm
without	25.32.006
large	25.32.085
small	25.32.075

ampliación 3.5

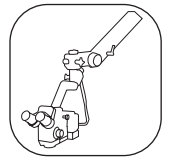
armazón	distancia de trabajo 420 mm
sin	25.32.003
grande	25.32.082
chico	25.32.072

ampliación 4

armazón	distancia de trabajo 340 mm
sin	25.32.005
grande	25.32.084
chico	25.32.074

ampliación 6

armazón	distancia de trabajo 340 mm
sin	25.32.006
grande	25.32.085
chico	25.32.075



Die erstklassigen optischen Teile garantieren eine hervorragende Bildschärfe für hohe Ansprüche.

- Prismatische Präzisionsoptik mit Achromaten für mehrfache Korrekturen.
- Leichtes und krümmungssicheres Brillengestell.
- Einhändige Einstellung des Augenabstandes.
- Zweistellige Höheneinstellung.
- Nach oben klappbare Optik.
- Von Brillengestell abbaubare Optik.
- Schattenfreie und koaxiale Beleuchtung.

technische Angaben

Vergrößerung	3.5 x	4 x	6 x
Arbeitsabstand	420 mm	340 mm	340 mm
Sichtfeld	ø65 mm	ø50 mm	ø38 mm
Gewicht	115 g	115 g	115 g

Vergrößerung 3.5

Brillengestell	Arbeitsabstand 420 mm
ohne	25.32.003
groß	25.32.082
klein	25.32.072

Vergrößerung 4

Brillengestell	Arbeitsabstand 340 mm
ohne	25.32.005
groß	25.32.084
klein	25.32.074

Vergrößerung 6

Brillengestell	Arbeitsabstand 340 mm
ohne	25.32.006
groß	25.32.085
klein	25.32.075



25.32.012 - 25.32.014

frame with optics mount and retaining cord
armazón con portaópticas y cinta de sujeción
Brillengestell mit Optikhalter und Halterungsband

	A	B	C	
large	17 mm	57 mm	140 mm	25.32.012
small	15 mm	55 mm	135 mm	25.32.014



- Multicoated, scratch-resistant silica glass lenses
- Brilliant, high-resolution image with the new C optics 2.3 x 340 mm
- Lightweight all-metal frame with spiral-sprung hinged temples for maximum comfort
- Slimline optics make it easy to view without magnification if required
- The optics can be placed close to the viewer's eyes to give a large field of view

The light weight (46 g), compact and comfortable HEINE - Binocular Loupe C offers a 2.3 x magnification at a working distance of 340 mm and is an ideal tool for professionals, who want to achieve the best results.



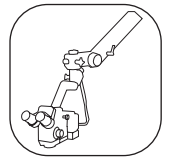
c 00.32.039
binocular loupe C

- óptica especialmente tratada para evitar rayaduras en el cristal
- imágenes brillantes y de alta resolución gracias al nuevo diseño de la óptica C de 2.3 x 340 mm
- armazón de metal de alta calidad con estribo flexible a base de resorte para mayor comodidad
- su fina constitución permite prescindir de la magnificación, sin necesidad de quitarse el armazón
- la distancia mínima entre ojo del usuario y la óptica favorece a un amplio campo de visión

La lupa binocular C de HEINE, ligera (46 g), compacta y cómoda, con ampliación de 2.3 y una distancia de trabajo de 340 mm, permite trabajar de forma precisa y segura.

- Mehrfach vergütete hochwertige Optik, kratzfest
- Helles, brillantes Bild durch die neu entwickelte C-Optik 2.3 x 340 mm
- Hochwertige Ganzmetallfassung mit Federbügeln und Gespinst für optimalen Komfort
- Die besonders kompakte Bauweise erlaubt es, an den Okularen vorbeizusehen (guter Überblick des gesamten Arbeitsbereichs auch bei aufgesetzter Lupenbrille)
- Geringer Abstand der Optik vom Untersucherauge ergibt extrem großes Sichtfeld

Die leichte (46 g) kompakte und bequeme HEINE - Lupenbrille C mit 2.3 - facher Vergrößerung und einem Arbeitsabstand von 340 mm bietet gute Voraussetzungen für präzises und sicheres Arbeiten.



Light weight headband

Alternative for long lasting work with binocular magnification glasses, it can be used by people who have normal eye vision as well as eye glass users. Light and comfortable, with vertical adjustment of optics.



25.32.016
light weight headband

cinta craneal ligera

La alternativa confortable para trabajos prolongados con lupas binoculares. Adecuada para portadores de gafas al igual que para personas emetropes. Ligera y comoda, ajuste de precision vertical de la optica.

Leichtes Kopfband

Die bequeme Alternative für längere Arbeiten mit binokularen Vergrößerungsgläsern. Sowohl für Brillenträger als auch für Normalsichtige geeignet. Leicht und bequem. Vertikale Präzisionseinstellung der Optik.



25.32.025
universal clamp

universal clamp

Adaptable to any frame. The binocular magnification optics are simply attached to it.

pinza universal

La Pinza Universal se acopla a cada gafa. La Lupa binocular se acopla simplemente en la Pinza Universal.

universalklemme

Die Universalklemme kann an jede Brille angepaßt werden. Das binokulare Vergrößerungsglas wird einfach an die Universalklemme angepaßt.

adaptable illuminator

Attachable to any binocular magnification glasses. The XHL bulb guarantees a bright, white light, vertically adjustable. (Recommended power sources E8 and Akkubox)



25.32.029
adaptable illuminator with cable and halogen bulb HEINE XHL, 6 v.

iluminador incorporable

Adaptable a todas las lupas binoculares. Luz clara, blanca mediante la lampara halogena HEINE XHL. La dirección de iluminacion es abatible en sentido vertical (Fuentes de luz idoneas E8 y Accubox)

einsetzbarer Beleuchter

Der einsetzbare Beleuchter kann an jedes binokulare Vergrößerungsglas angepaßt werden. Helles, weißes Licht durch die Halogenlampe HEINE XHL. Die Beleuchtungsrichtung ist vertikal verstellbar. (Ideale Lichtquellen E8 und Akkubox)



25.32.026 - 25.32.027

attachabel protection lenses for magnification glasses.

cristales de protección incorporables para lupas binoculares.

einsetzbare Schutzgläser für binokulare Vergrößerungsgläser.

magnification

2.0	25.32.026
2.5	25.32.026
3.5	25.32.027
4.0	25.32.027
6.0	25.32.027





25.32.017

*lateral protection against splashes
protección lateral contra salpicaduras
lateraler Schutz gegen Spritzer*

sterilizable lever

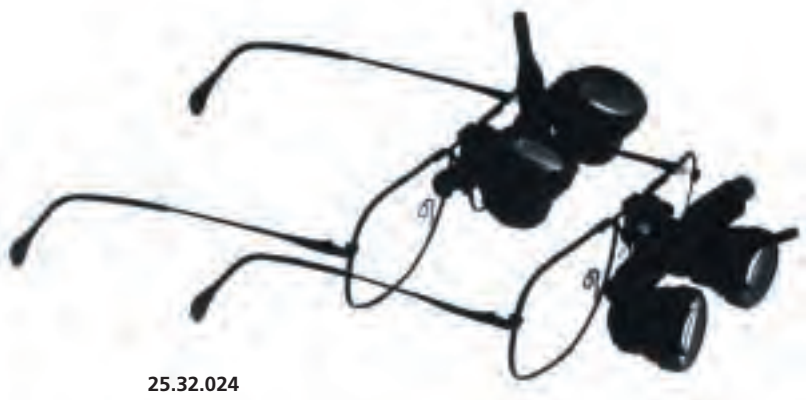
Centrally attachable to its provided holder.

palanca esterilizable

La palanca se coloca simplemente de forma central sobre los pasadores de fijación.

sterilisierbarer Hebel

Der Hebel wird einfach zentral auf die vorgesehene Halterung gesetzt.



25.32.024

sterilizable lever (6 units)



25.16.200 - 25.16.201

Plug-in transformer E 8

25.16.200

plug - in transformer E 8 with switch and cable

transformador de enchufe E 8 con interruptor y cable

Steckdosentransformator E 8 mit Schalter und Kabel

25.16.201

plug - in transformer E8

6 V / 10 W

Power source appropriate for the adaptable illuminator

transformador de enchufe E8

6 V / 10 W

Fuente de tensión apropiada para el iluminador incorporable.

Steckdosentransformator E8

6 V / 10 W

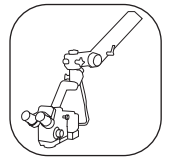
Spannungsquelle, geeignet für der einsetzbaren Beleuchter.



UBL 100 bulb

25.88.080

Bulb for binocular magnification glasses, 6 V halogen



HEINE accubox 6 V/10 W

Appropriate for all HEINE 6V Instruments.
The Accubox is a pocket-sized portable power source for instruments.
Fully charged, it will operate the instrument up to one hour, depending on the intensity of the illumination.

Dimensions:	120 x 70 x 35mm
Weight:	360g
Characteristics:	• portable and small. • adjustable intensity. • LED Indicator for charge.

accubox with rechargeable battery and charging transformer	25.99.622
accubox and rechargeable battery, transformer not included	25.99.621
S5Z rechargeable battery	25.99.623
charging transformer	25.99.308



HEINE accubox 6 V/10 W

Apropiado para todos los instrumentos HEINE de 6V. Es una fuente de tensión portátil para los instrumentos. Una carga de batería recargable ofrece un tiempo de exploración de aprox. 1 hora, en función de la intensidad de la iluminación.

Dimensiones:	120 x 70 x 35 mm
Peso:	360g
Características:	• muy pequeño y manejable. • regulador continuo de luminosidad. • indicación del proceso de carga y del consumo de corriente.

accubox con batería recargable y transformador de carga	25.99.622
accubox sólo con batería recargable, sin transformador	25.99.621
batería recargable de recambio S5Z	25.99.623
transformador de carga suelto	25.99.308

HEINE Akkubox 6V / 10 W

Geeignet für alle 6V HEINE Instrumente. Die Akkubox bewährt sich als tragbare Spannungsquelle für Instrumente, die für den Benutzer bewegbar sein müssen.
Die ladbare Batterie kann, nachdem sie neu geladen wurden, 1 Stunde lang für die benötigte Beleuchtung benutzt werden.

Größe:	120 x 70 x 35mm
Gewicht:	360g
Eigenschaften:	• klein und handlich • beständiger Beleuchtungsregler • Ladungsanzeiger und Anzeiger der verbrauchten Spannung über LED.

Akkubox mit ladbarer Batterie und Ladungstransformator	25.99.622
Akkubox nur mit ladbarer Batterie, ohne Transformator	25.99.621
Ladbare Ersatzbatterie S5Z	25.99.623
Ladungstransformator, einzeln	25.99.308



SOM 22

Characteristics

- Space saving thanks to its wall mounted pedestal.
- The rotating arm and the counterbalanced swivel arm allow for easy positioning of the microscopehead.
- Option between direct coaxial halogen light or transmitted through fiberoptics, in both cases 12V/100W, equipped with an emergency bulb.
- Option between magnification changers with one, three or five steps; a manual zoom (8:1) is also available.
- The illumination is turned on automatically when the microscopehead is placed into working position.
- A wide range of accessories, documentation systems for video and 35 mm photography and coobservation-systems are available.

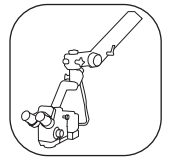
Características

- Ahorro de espacio gracias a su fijación a la pared.
- El brazo giratorio y el brazo basculante autocompensado permiten un fácil posicionamiento.
- Opción de iluminación homogénea. Coaxial, regulable sin escalas, halógena de 12V /100W integrada en el cabezal o transmitida por fibra óptica, con foco de emergencia.
- Opción de cabezales estereoscópicos de un aumento, 3 aumentos, 5 aumentos y 8 aumentos en zoom manuales (8:1).
- Encendido automático cuando el brazo basculante es posicionado a la altura de trabajo.
- Amplia gama de accesorios, sistemas de documentación por video o fotografía de 35 mm y equipos para coobservadores y asistentes.



Merkmale

- Besonders raumsparend durch Wandmontage.
- Der Dreharm und der ausgeglichene Schwebearm erlauben eine problemlose Positionierung.
- Auswahl zwischen direkter coaxialer Halogenbeleuchtung und Kaltlichtbeleuchtung, in beiden Fällen 12V/100W, mit einer Notlampe ausgestattet.
- Auswahl zwischen einfacher, dreifacher oder fünffacher Vergrößerungseinheit oder auch mit manuellem Zoom (8:1)
- Die Beleuchtung schaltet sich automatisch an, wenn der Mikroskopkopf in die Arbeitshöhe positioniert wird.
- Breite Zubehöerauswahl, Dokumentationsausstattungen mittels Video oder 35 mm Fotografie und Mitbeobachtereinrichtungen.



technical specifications

manufactured by Karl Kaps

SOM 22

pedestal?	wallmounted
arms:	rotating arm 425 mm swivel arm 850 mm height +/- 500 mm
magnification changers:	simple, triple five fold and manual zoom (8:1)
binocular tubes:	see accessory list
eye pieces:	see accessory list
objectives:	see accessory list
illumination:	12V / 100W halogen
power consumption:	120 VA
power supply:	110 / 220V, 50-60 Hz
weight:	28 kg
green filter integrated	

datos técnicos

marca Karl Kaps

SOM 22

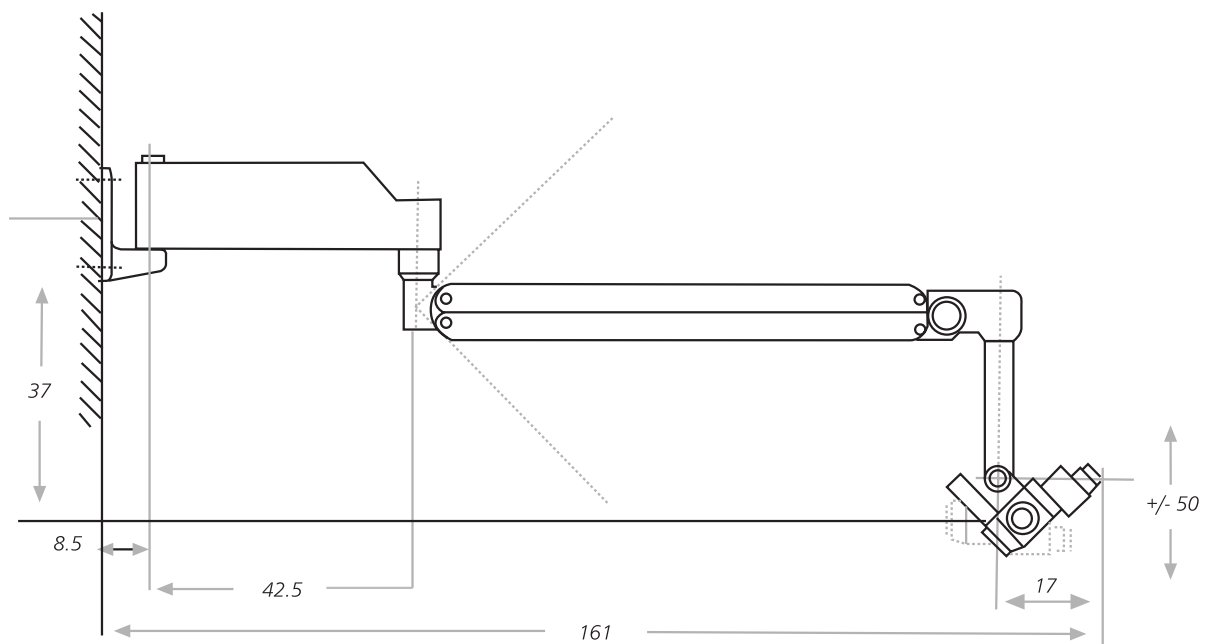
estativo:	fijado a la pared
brazos:	brazo giratorio 425mm basculante 850 mm altura: +/- 500 mm
cambiador de aumentos:	sencillo, triple, quintuple o zoom manual (8:1)
tubos binoculares:	ver listado de accesorios
oculares:	ver listado de accesorios
objetivos:	ver listado de accesorios
iluminación:	12V / 100W halógena
consumo máximo:	120 VA
conexión a la red:	110 / 220V, 50-60 Hz
peso:	28 kg
filtro verde integrado	

technische Angaben

Hersteller: Karl Kaps

SOM 22

Stativ:	Wandmontage
Arme:	Dreharm 425 mm Schwenkarm 850 mm Höhe +/- 500 mm
Vergrößerungs- einheiten:	1-fach, 3-fach, 5-fach und manueller Zoom (8:1)
binokulare Tuben:	siehe Zubehörliste
Okulare:	siehe Zubehörliste
Objektive:	siehe Zubehörliste
Beleuchtung:	12V / 100W, Halogen
Strom- verbrauch:	120 VA
Anschluß:	110 / 220V, 50-60 Hz
Gewicht:	28 kg
Grünfilter eingebaut	





SOM 32



Merkmale

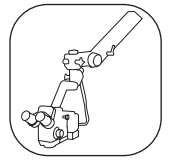
- Besonders raumsparend durch Deckenmontage.
- Der Dreharm und der ausgeglichene Schwebearm erlauben eine problemlose Positionierung.
- Auswahl zwischen direkter, koaxialer Halogenbeleuchtung und Kaltlichtbeleuchtung, in beiden Fällen 12V/100W, mit einer Notlampe ausgestattet.
- Auswahl zwischen einfacher, dreifacher oder fünffacher Vergrößerungseinheit oder auch mit manuellem Zoom (8:1).
- Die Beleuchtung schaltet sich automatisch an, wenn der Mikroskopkopf in die Arbeitshöhe positioniert wird.
- Breite Zubehörauswahl, Dokumentationsausstattungen mittels Video oder 35 mm Fotografie und Mitbeobachtereinrichtungen.

Characteristics

- Space saving thanks to its ceiling mounted pedestal.
- the rotating arm and the counterbalanced swivel arm allow for easy positioning of the microscopehead.
- Option between direct coaxial halogen light or transmitted through fiberoptics, in both cases 12V/100W, equipped with an emergency bulb.
- Option between magnification changers with one, three or five steps; a manual zoom (8:1) is also available.
- The illumination is turned on automatically when the microscopehead is placed in to working position.
- A wide range of accessories, documentation systems for video and 35 mm photography and coobservation - systems are available.

Características

- Ahorro de espacio gracias a su fijación al techo.
- El brazo giratorio y el brazo basculante autocompensado permiten un fácil posicionamiento.
- Opción de iluminación homogénea, coaxial, regulable sin escalas, halógena de 12V/100W integrada en el cabezal o transmitida por fibra óptica, con foco de emergencia.
- Opción de cabezal estereoscópicos de un aumento. 3 aumentos, 5 aumentos y 8 aumentos en zoom manuales (8:1).
- Encendido automático cuando el brazo basculante es posicionado a la altura de trabajo.
- Amplia gama de accesorios, sistema de documentación por video o fotografía de 35 mm y equipos para coobservadores y asistentes.



technical specifications

manufactured by Karl Kaps

SOM 32

pedestal: ceiling mounted
arms: rotating arm 425 mm
swivel arm 850 mm
height +/- 500 mm

**magnification
changers:** simple, triple, five fold and
manual zoom (8:1)

**binocular
tubes:** see accessory list

eye pieces: see accessory list

objectives: see accessory list

illumination: 12V / 100W halogen

**power
consumption:** 120 VA

power supply: 110 / 220V, 50-60 Hz

weight: 35 kg

green filter integrated

datos técnicos

marca: Karl Kaps

SOM 32

estativo: fijado al techo
brazos: brazo giratorio 425mm
basculante 850mm
altura: +/- 500 mm

**cambiador
de aumentos:** sencillo, triple, quintuple o
zoom manual (8:1)

**tubos
binoculares:** ver listado de accesorios

oculares: ver listado de accesorios

objetivos: ver listado de accesorios

iluminación: 12V / 100W halógena

**consumo
máximo:** 120 VA

**conexión
a la red:** 110 / 220V, 50-60 Hz

peso: 35 kg

filtro verde integrado

technische Angaben

Hersteller: Karl Kaps

SOM 32

Stativ: Deckenmontage
Arme: Dreharm 425mm
Schwenkarm 850 mm
Höhe +/- 500 mm

**Vergrößerungs-
einheiten:** 1-fach, 3-fach, 5 -fach und
manueller Zoom (8:1)

**binokulare
Tuben:** siehe Zubehörliste

Okulare: siehe Zubehörliste

Objective: siehe Zubehörliste

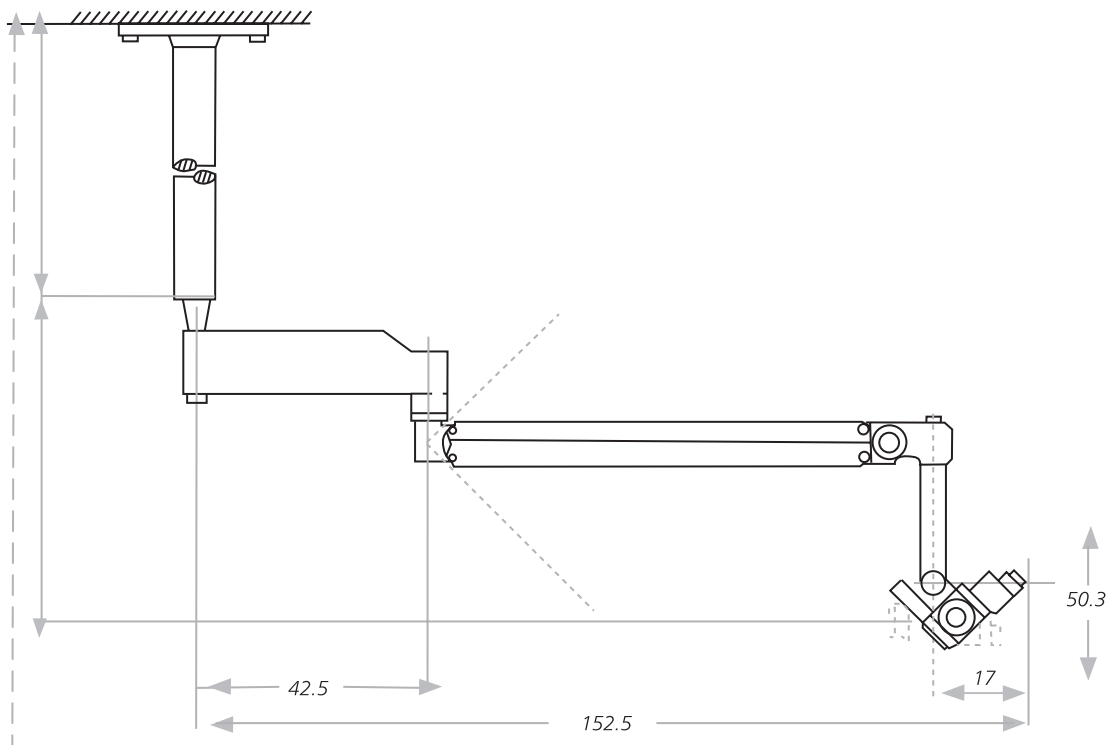
Beleuchtung: 12V / 100W, Halogen

**Strom-
verbrauch:** 120 VA

Anschluß: 110 / 220V, 50-60 Hz

Gewicht: 35 kg

Grünfilter eingebaut



SOM 62

Characteristics

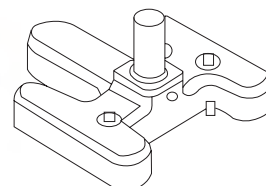
- Option between four basic models:
 - * **SOM 62** with direct, coaxial, halogen illumination.
 - * **SOM 62** with coaxial, halogen illumination transmitted through fiber-optics.
 - * **SOM 62 MOT** with direct, coaxial halogen illumination and motorized fine adjustment. Microscopehead with manual magnification changer or with motorized zoom.
 - * **SOM 62 MOT** with coaxial, halogen illumination transmitted through fiberoptics and with motorized fine adjustment. Microscopehead with manual magnification changer or with motorized zoom.
- The rotating arm and the counterbalanced swivel arm allow for easy positioning of the microscopehead.
- A wide range of accessories, documentation system for video and 35 mm fatography and coobervation system.
- Option between round pedestal (ø 560 mm) or "H-shaped" for maximum stability.

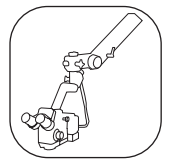
Merkmale

- Auswahl zwischen vier Grundmodellen:
 - * **SOM 62** mit direkter, koaxialer Halogenbeleuchtung.
 - * **SOM 62** mit Kaltlichtbeleuchtung.
 - * **SOM 62 MOT** mit direkter, koaxialer Beleuchtung und motorischer Feinfokussierung. Mikroskopkopf mit manueller Vergrößerungseinheit oder motorischem Zoom.
 - * **SOM 62 MOT** mit Kaltlichtbeleuchtung und motorischer Feinfokussierung. Mikroskopkopf mit manueller Vergrößerungseinheit oder motorischem Zoom.
- Der Dreharm und der ausgeglichene Schwebearm erlauben eine problemlose Positionierung.
- Breite Zubehörauswahl, Dokumentationsausstattungen mittels Video oder 35 mm Fotografie und Mitbeobachtereinrichtungen.
- Auswahl zwischen rundem Rollstativ (ø 560 mm) oder H-Fuß für maximale Stabilität.

Características

- Opción de cuatro modelos básicos:
 - * **SOM 62** con iluminación integrada al cabezal manual.
 - * **SOM 62** de iluminación transmitida por fibras ópticas manual.
 - * **SOM 62 MOT** con iluminación integrada al cabezal y enfoque fino motorizado accionado por pedal. Cabezal con cambiador de aumentos manual o zoom motorizado.
 - * **SOM 62 MOT** con iluminación transmitido por fibras ópticas (luz fría), con enfoque fino motorizado. Cabezal con cambiador de aumentos manual o zoom motorizado.
- El brazo giratorio y el brazo basculante autocompensado permiten un fácil posicionamiento.
- Amplia gama de accesorios, sistema de documentación por video o fotografía de 35 mm y equipos para coobservadores y asistentes.
- Opcion de bases rodables con frenos, redonda (ø 560 mm) o en forma de "H" para maxima estabilidad.





technical specifications

manufactured by Karl Kaps

SOM 62

pedestal: round pedestal (ø 560mm) or "H-shaped" with brakes.

arms: rotating 425 mm
swivel arm 650 mm
height +/- 300 mm

magnification

changers: simple, triple, five fold, manual zoom (8:1) and motorized zoom (8:1)
fine adjustment manual or motorized

binocular

tubes: see accessory list

eye pieces: see accessory list

objectives: see accessory list

illumination: 12V / 100W halogen

power

consumption: 140 VA

power supply: 110 / 220V, 50-60 Hz

weight: 100 kg

green filter integrated

datos técnicos

marca: Karl Kaps

SOM 62

estativo: base rodable (ø 560 mm) con frenos o en H con frenos

brazos: giratorio 425 mm
basculante 650 mm
altura +/- 300 mm

cambiador

de aumentos: un aumento, 3 aumentos, 5 aumentos,
zoom manual (8.1) y
zoom motorizado (8:1)
enfoque fino manual o motorizado

tubos

binoculares: ver listado de accesorios

oculares: ver listado de accesorios

objetivos: ver listado de accesorios

iluminación: 12V / 100W halógena

consumo

máximo: 140 VA

conexión

a la red: 110 / 220V, 50-60 Hz

peso: 100 kg

filtro verde integrado

technische Angaben

Hersteller: Karl Kaps

SOM 62

Stativ: rollbares Rundstativ (ø 560mm) oder H-Fuß mit Bremsen

Arme: Dreharm 425 mm
Schwenkarm 650 mm
Höhe +/- 300 mm

Vergrößerungs-

einheiten: einfach 3-fach, 5 -fach Zoom
manueller Zoom (8:1) und
motorisch Zoom (8:1)
Feinfokussierung: manuell und motorisch

binokulare

Tuben: siehe Zubehörliste

Okulare: siehe Zubehörliste

Objetive: siehe Zubehörliste

Beleuchtung: 12V / 100W, Halogen

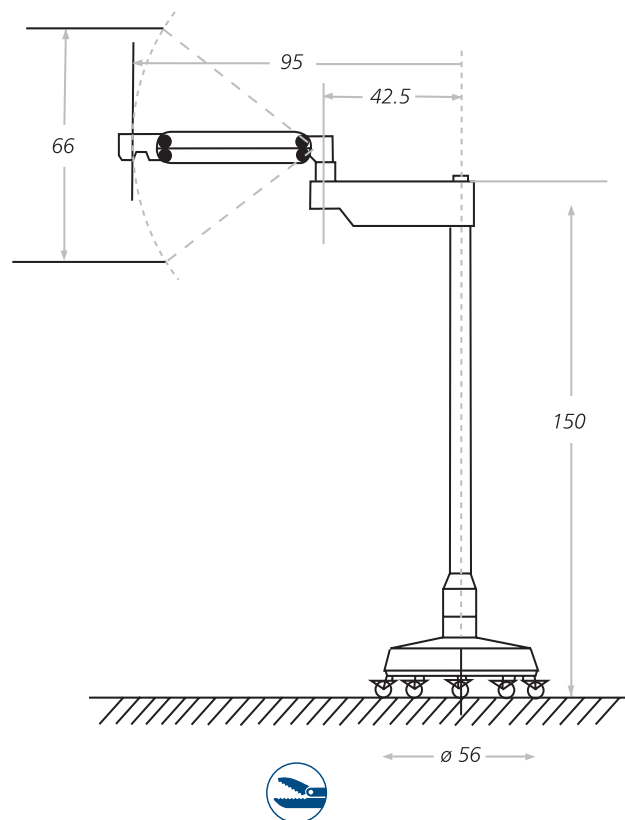
Strom-

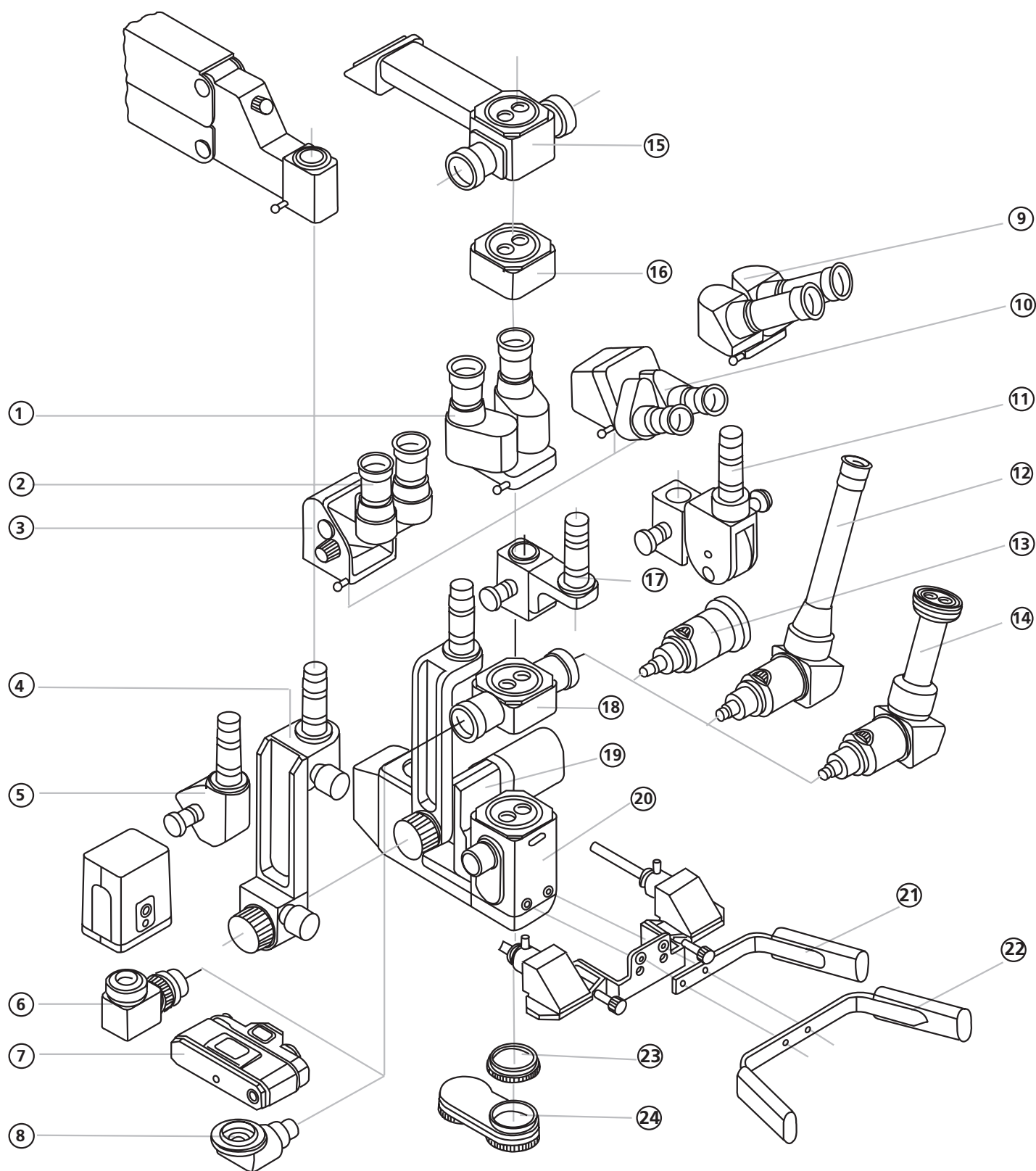
verbrauch: 140 VA

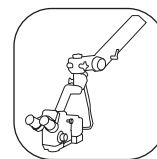
Anschluß: 110 / 220V, 50-60 Hz

Gewicht: 100 kg

Grünfilter eingebaut







ARRANGEMENT OF ACCESSORIES

1. Binocular tube, straight f=159 mm	101.355-000	14. Binocular secondary observation	101.360-000
Binocular tube, straight f=125 mm	101.945-000	15. Assistant work unit 180°	162.670-100
2. Eyepieces (see accessory list)		16. Adaptader h=38mm	101.295-000
3. Binocular tube f=159mm, 0-60°	101.950-000	17. Centering coupling	102.180-000
4. Microscope carrier with 2 gears	112.370-000	18. Beam splitter bilateral	101.310-000
Microscope carrier	102.130-000	Beam splitter seminsable	101.315-000
5. 45°coupling	102.187-000	Beam splitter seminsable for video	101.315-001
6. Video tube f=80 mm with diaphragm	101.850-000	19. Fine adjustment	
7. Camera RICOH KR-10M	101.328-000	20. Magnification changer (see accessory list)	
8. Photo tube for RICOH KR-10M	101.320-000	21. Microscope guide one-sided	102.186-000
9. Inclined binocular tube, f= 159 mm, 45°	101.110-000	22. Microscope guide bilateral	102.188-000
Inclined binocular tube, f=125 mm, 45°	101.930-000	23. Objectives(see accessory list)	
10. Inclined binocular tube f=159 mm, 60°	101.955-000	24. Objective rapid changer for 3x	102.181-000
11. 0-90°coupling	102.170-000	Objective rapid changer for 5x, zoom	102.191-000
12. Monocular secondary observation	101.330-000		
13. Binocular assistant tube	101.970-000		

ESQUEMA DE ACCESORIOS

1. Tubo binocular recto f=159 mm	101.355-000	14. Tubo para coobservador binocular	101.360-000
Tubo binocular recto f=125 mm	101.945-000	15. Equipo para asistente a 180°	162.670-100
2. Oculares (ver lista de accesorios)		Equipo asistente a 180° c/ salidas laterales	112.670-100
3. Tubo binocular f=159 mm, 0-60°	101.950 000	16. Adaptador h=38 mm	101.295-000
4. Soporte para cabezal con 2 ejes mecánico	112.370-000	17. Acoplamiento de centrado	102.180-000
Soporte para cabezal fijo	102.130-000	18. Divisor de rayos bilateral	101.310-000
5. Acoplamiento de 45°	102.187-000	Divisor de rayos unilateral	101.315-000
6. Tubo para video f=80 mm con diafragma	101.850-000	Divisor de rayos unilateral para video	101.315-001
7. Cámara fotográfica RICOH KR-10M	101.328-000	19. Enfoque fino	
8. Fototubo para cámara RICOH KR-10M	101.320-000	20. Cambiador de aumentos (ver lista de accesorios)	
9. Tubo binocular oblicuo f=159 mm, 45°	101.110-000	21. Mango unilateral	102.186-000
Tubo binocular oblicuo f=125 mm, 45°	101.930-000	22. Mango bilateral	102.188-000
10. Tubo binocular oblicuo f=159 mm, 60°	101.955-000	23. Objetivos (ver lista de accesorios)	
11. Acoplamiento 0-90°	102.170-000	24. Cambiador rápido de objetivos 3x	102.181-000
12. Tubo para coobservador monocular	101.330-000	Cambiador rápido de objetivos p/5x, zoom	102.191-000
13. Tubo para asistente binocular	101.970-000		

ZUBEHÖRZUSAMMENSTELLUNG

1. Gerader Binokulartubus f=159 mm	101.355-000	14. Mitbeobachtertabus, binokular	101.360-000
Gerader Binokulartubus f=125 mm	101.945-000	15. Mitbeobachtereinrichtung 180°	162.670-100
2. Okulare (siehe Zubehörliste)		Mitbeobachtereinrichtung 180° mit	
3. Binokulartubus f=159 mm, 0 60°	101 950-000	Strahlenteiler, beidseitig	112.670-100
4. Mikroskophalter mit 2 Achsen	112.370-000	16. Adapter h=38mm	101.295-000
Fester Mikroskophalter	102 130-000	17. Zentrierkupplung	102.180-000
5. Schrägkupplung 45°	102.187-000	18. Strahlenteiler, beidseitig	101.310-000
6. TV-Tubus f=80 mm mit Ringblende	101.850-000	Strahlenteiler, einseitig	101.315-000
7. Kamera RICOH KR-10M	101.328-000	Strahlenteiler, einseitig für Video	101.315-001
8. Fototubus für RICOH KR-10M	101.320-000	19. Feinfokussierung	
9. Binokularer Schrägtubus f=159 mm, 45°	101.110-000	20. Vergrößerungswechsler (siehe Zubehörliste)	
Binokularer Schrägtubus f=125 mm,45°	101.930-000	21. Mikroskopenker einseitig	102.186-000
10. Binokularer Schrägtubus f=159 mm, 60°	101.955-000	22. Mikroskopenker beidseitig	102.188-000
11. 0-90°Kupplung	102.170 000	23. Objektive (siehe Zubehörliste)	
12. Mitbeobachtertubus, monokular	101.330-000	24. Objektivschnellwechsler für 3x	102.181 -000
13. Assistenttubus, binokular	101.970-000	Objektivschnellwechsler für 5x, Zoom	102.191-000



ACCESSORIES

Widefield eyepieces adjustable, with reticule

101.430-000	WF 10x VS
101.440-000	WF 12,5x VS
101.450-000	WF 16x VS
101.460-000	WF 20x VS

Widefield eyepieces adjustable

101.530-000	WF 10x V
101.540-000	WF 12,5x V
101.550-000	WF 16x V
101.560-000	WF 20x V

Objectives (equal to working distance)

101.610-000	f= 100 mm
101.620-000	f= 150 mm
101.680-000	f= 175 mm
101.630-000	f= 200 mm
101.640-000	f= 250 mm
101.650-000	f= 275 mm
101.660-000	f= 300 mm
101.670-000	f= 400 mm
101.310-000	Beamsplitter, bilateral
101.315-000	Beamsplitter, seminsable
101.315-001	Beamsplitter, seminsable for video
101.320-000	Phototube for RICOH KR-10M
101.328-000	Camera RICOH KR-10M
101.970-000	Assistant tube
101.360-000	Secondary observation binocular
101.330-000	Secondary observation monocular
101.110-000	Binocularer inclined tube f=159mm, 45°
101.930-000	Binocularer inclined tube f=125mm, 45°
101.950-000	Adjustable binocularer tube f=159mm, 0-60°
101.955-000	Binocularer inclined tube f=159mm, 60°
101.731-000	2 sterilizable rubber caps (illumination)
101.732-000	2 sterilizable rubber caps (magnification)
101.733-000	2 sterilizable rubber caps (fine adjustment)
101.132-000	Fine adjustment, manual
101.160-100	Magnification changer 3-fold, halogen
101.120-100	Magnification changer 5-fold, halogen
162.150-100	Zoom manual, halogen
101.260-100	Magnification changer 3-fold, fiber optics
101.220-100	Magnification changer 5-fold, fiber optics
162.140-100	Zoom manual, fiber optics
102.182-000	Microscope guide bilateral, adjustable
102.188-000	Microscope guide bilateral
102.184-000	Microscope guide one side, adjustable
102.186-000	Microscope guide one side
162.860-000	T-shaped handle
102.181-000	Objective rapid changer (3x)
102.191-000	Objective rapid changer (5x, Zoom)
102.187-000	45° inclined coupling
102.170-000	Coupling 0-90°
101.850-000	Video tubs f=80mm with diaphragm
162.670-100	Assistant-work unit 180°
112.670-100	Assistant-work unit 180° with beam splitter
101.295-000	Adapter h = 38 mm
112.370-000	Microscope carrier with 2 gears
102.130-000	Microscope carrier
102.175-000	180° rotating binocular tube mount
162.105-000	Round pedestal with brakes (SOM 62)
162.106-000	H-shaped pedestal with brakes (SOM 62)

ACCESORIOS

Oculares con ajuste de dioptrías y retícula, campo amplio

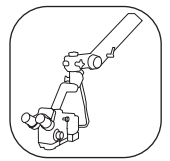
101.430-000	WF 10x VS
101.440-000	WF 12,5x VS
101.450-000	WF 16x VS
101.460-000	WF 20x VS

Oculares con ajuste de dioptrías, campo amplio

101.530-000	WF 10x V
101.540-000	WF 12,5x V
101.550-000	WF 16x V
101.560-000	WF 20x V

Objetivos (igual a la distancia de trabajo)

101.610-000	f= 100 mm
101.620-000	f= 150 mm
101.680-000	f= 175 mm
101.630-000	f= 200 mm
101.640-000	f= 250 mm
101.650-000	f= 275 mm
101.660-000	f= 300 mm
101.670-000	f= 400 mm
101.310-000	Divisor de rayos bilateral
101.315-000	Divisor de rayos unilateral
101.315-001	Divisor de rayos unilateral para video
101.320-000	Fototubo para cámara RICOH KR-10M
101.328-000	Cámara fotográfica RICOH KR-10M
101.970-000	Tubo para asistente binocular
101.360-000	Tubo para coobservador binocular
101.330-000	Tubo para coobservador monocular
101.110-000	Tubo binocular oblicuo f=159mm, 45°
101.930-000	Tubo binocular oblicuo f=125mm, 45°
101.950-000	Tubo binocular f=159mm, 0-60°
101.955-000	Tubo binocular oblicuo f=159mm, 60°
101.731-000	2 caperuzas esterilizables p/ iluminación
101.732-000	2 caperuzas esterilizables p/ aumentos
101.733-000	2 caperuzas esterilizables p/ enfoque fino
101.132-000	Enfoque fino manual
101.160-100	Cambiador de 3 aumentos, luz halógena
101.120-100	Camblador de 5 aumentos, luz halógena
162.150-100	Zoom manual, luz halógena
101.260-100	Cambiador de 3 aumentos, luz fría
101.220-100	Cambiador de 5 aumentos, luz fría
162.140-100	Zoom manual, luz fría
102.182-000	Mango bilateral ajustable
102.188-000	Mango bilateral
102.184-000	Mango unilateral ajustable
102.186-000	Mango unilateral
162.860-000	Mango en «T»
102.181-000	Cambiador rápido de objetivos 3x
102.191-000	Cambiador rápido de objetivos p/ 5x, zoom
102.187-000	Acoplamiento de 45°
102.170-000	Acoplamiento 0-90°
101.850-000	Tubo para video f=80mm con diafragma
162.670-100	Equipo para asistente a 180°
112.670-100	Equipo asistente a 180° c/ salidas laterales
101.295-000	Adaptador h=38mm
112.370-000	Soporte para cabezal con 2 ejes mecánicos
102.130-000	Soporte para cabezal fijo
102.175-000	Platina rotatable 180° para tubo binocular
162.105-000	Base rodable redonda con frenos (SOM 62)
162.106-000	Base rodeble con frenos en forma de "H" (SOM 62)



ZUBEHÖR

Weitfeld-Okulare verstellbar mit Strichplatte

- 101.430-000** WF 10x VS
- 101.440-000** WF 12,5x VS
- 101.450-000** WF 16x VS
- 101.460-000** WF 20x VS

Weitfeld-Okulare verstellbar

- 101.530-000** WF 10x V
- 101.540-000** WF 12,5x V
- 101.550-000** WF 16x V
- 101.560-000** WF 20x V

Objektive (ca. Arbeitsabstand)

- 101.610-000** f= 100 mm
- 101.620-000** f= 150 mm
- 101.680-000** f= 175 mm
- 101.630-000** f= 200 mm
- 101.640-000** f= 250 mm
- 101.650-000** f= 275 mm
- 101.660-000** f= 300 mm
- 101.670-000** f= 400 mm
- 101.310-000** Strahlenteiler beidseitig
- 101.315-000** Strahlenteiler halbdseitig
- 101.315-001** Strahlenteiler halbdseitig für Video
- 101.320-000** Fototubus RICOH KR-10M
- 101.328-000** Kamera RICOH KR-10M
- 101.970-000** Assistenztubus
- 101.360-000** Mitbeobachtertubus binokular
- 101.330-000** Mitbeobachtertubus monokular
- 101.110-000** Binokularer Schrägtubus f=159mm, 45°
- 101.930-000** Binokularer Schrägtubus f=125mm, 45°
- 101.950-000** Binokularer Schwenktubus f=159mm, 0-60°
- 101.955-000** Binokularer Schrägtubus f=159mm, 60°
- 101.731-000** 2 Sterilisationskappen (Beleuchtung)
- 101.732-000** 2 Sterilisationskappen (Vergrößerung)
- 101.733-000** 2 Sterilisationskappen (Feinfokussierung)
- 101.132-000** Feinfokussierung manuell
- 101.160-100** Vergrößerungseinheit 3-fach, Halogenlicht
- 101.120-100** Vergrößerungseinheit 5-fach, Halogenlicht
- 162.150-100** Zoom manuell, Halogenlicht
- 101.260-100** Vergrößerungseinheit 3-fach, Kaltlicht
- 101.220-100** Vergrößerungseinheit 5-fach, Kaltlicht
- 162.140-100** Zoom manuell, Kaltlicht
- 102.182-000** Mikroskopenker bilateral, verstellbar
- 102.188-000** Mikroskopenker bilateral
- 102.184-000** Mikroskopenker einseitig, verstellbar
- 102.186-000** Mikroskopenker einseitig
- 162.860-000** T-Handgriff
- 102.181-000** Objektivschnellwechsler (3x)
- 102.191-000** Objektivschnellwechsler (5x, Zoom)
- 102.187-000** 45° Schrägkupplung
- 102.170-000** Kupplung 0-90°
- 101.850-000** TV-Tubus f=80 mm mit Blende
- 162.670-100** Mitbeobachtereinrichtung 180°
- 112.670-100** Mitbeobachtereinrichtung 180° mit Strahlenteiler beidseitig
- 101.295-000** Adapter h=38 mm
- 112.370-000** Verstellbarer Mikroskophalter
- 102.130-000** Fester Mikroskophalter
- 102.175-000** Drehscheibe 180° für Binotubus
- 162.105-000** Rundstativ mit Bremsen (SOM 62)
- 162.106-000** H-Stativ mit Bremsen (SOM 62)



ABBES' FORMULA

Early in the 19th century the progress in resolution of microscopes became a concern. Microscope makers used to compare resolution of objectives every time they made a new style. The problem was that even with chromatic and spherical aberration, there is one more factor involved with making a microscope as good as possible: the angular aperture. It was Ernst Abbe, who published 1877 the formula for getting maximum amount of resolution from a microscope.

$$d = \frac{\lambda}{2n \sin \theta}$$

d = minimum resolving distance

λ = wave length of light

$2n \sin \theta$ = numerical aperture



Ernst Abbe (1840 - 1905)

A principios del siglo XIX la preocupación por el progreso en la resolución de microscopios era grande.

Los fabricantes de microscopios comparaban resolución de objetivos cada vez que querían producir uno nuevo.

El problema era, que los productores no sabían que aparte del efecto cromático y la aberración esférica, había otro factor importante que definía la resolución, para así hacer un microscopio lo mejor posible: la apertura numérica.

Fue Ernest Abbe, quien en 1877 publica la fórmula que define la máxima resolución de un microscopio.

$$d = \frac{\lambda}{2n \sin \theta}$$

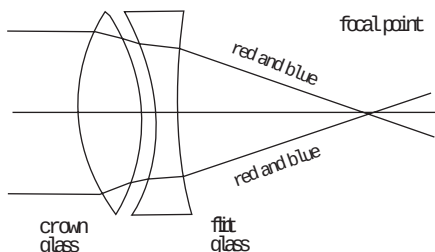
d = mínima distancia de resolución

λ = longitud de onda de la luz numérica

$2n \sin \theta$ = apertura

Anfang des 19. Jahrhunderts war der Drang nach Erkenntnissen über die Auflösung bei Mikroskopen sehr groß. Um neue Objektive herzustellen, verglichen Mikroskophersteller diese mit anderen Objektiven.

Jedoch wußten damals die Hersteller nicht, daß neben der sphärischen Aberration ein anderer Faktor auch eine Rolle spielte, um ein Mikroskop so gut wie möglich zu machen. Es war Ernst Abbe, der 1877 die Formel veröffentlichte, die die maximale Auflösung eines Mikroskopes angibt.

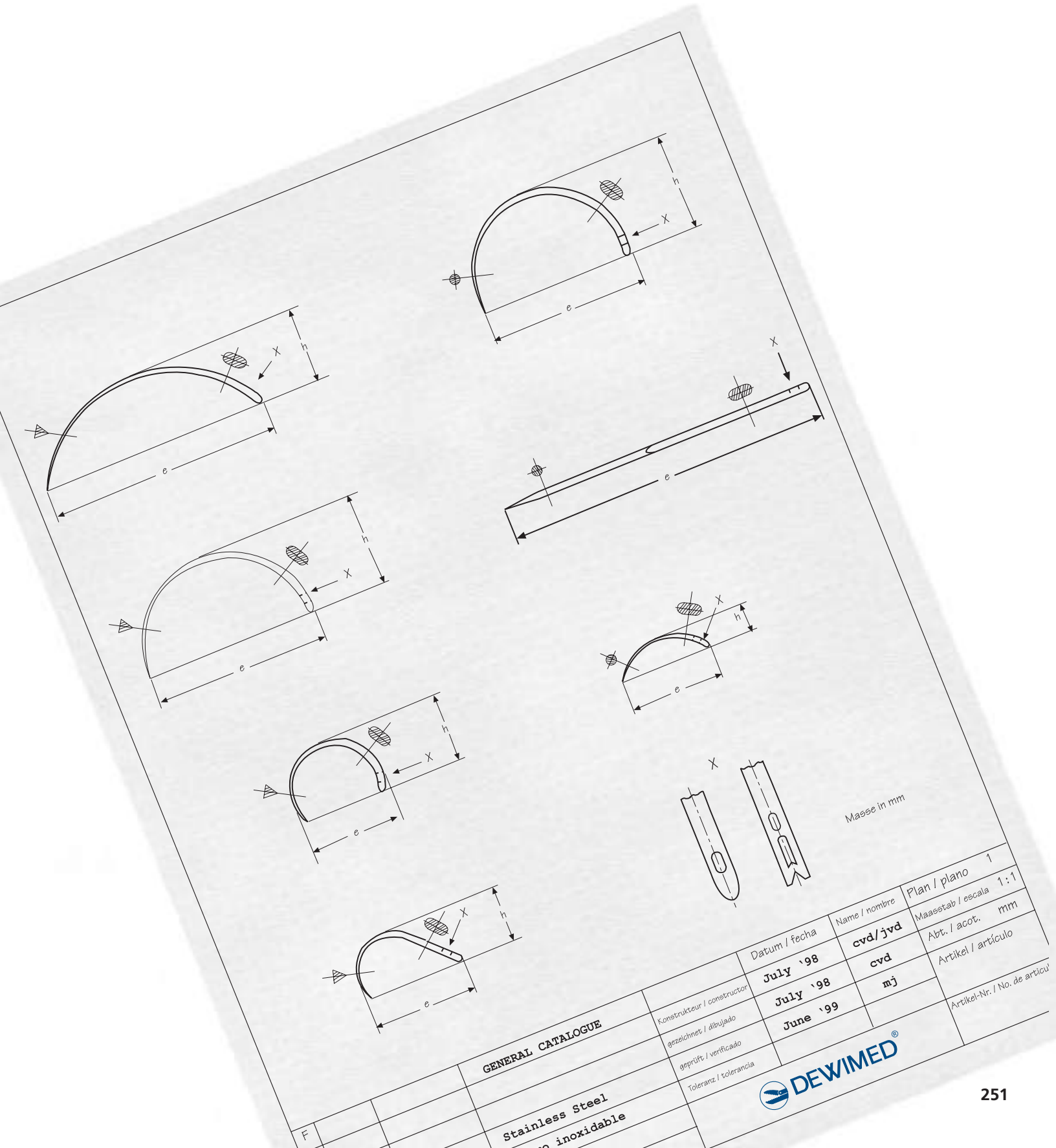
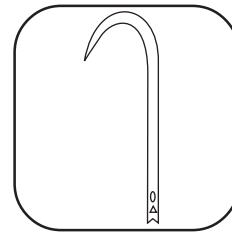


$$d = \frac{\lambda}{2n \sin \theta}$$

d = minimale Auflösungsgröße

λ = Lichtwellenlänge

$2n \sin \theta$ = numerische Apertur



Technical drawing of a bent metal part. The drawing shows a side view with dimensions: 'e' for the horizontal length, 'h' for the vertical height, and 'x' for the thickness of the material. A cross-section view is shown to the right of the main drawing, indicating the internal structure of the bent part.

GENERAL CATALOGUE

Stainless Steel
Acero inoxidable

Konstrukteur / constructor
gezeichnet / dibujado
geprüft / verificado
Toleranz / tolerancia

DEWIMED logo featuring a stylized 'D' inside a circle.

DEWIMED®

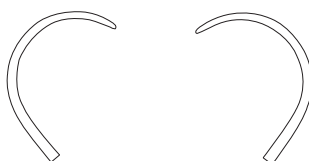
Datum / fecha
July '98
July '98
June '99

Name / nombre
cvd/jvd
cvd
mj

Plan / plano 1
Maasstab / escala 1:1
Abt. / acot. mm
Artikel / artículo
Artikel-Nr. / No. de artículo

251

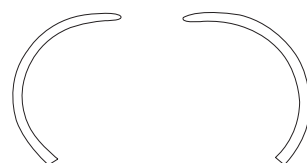




cm

21	26.110.21	26.111.21
24	26.110.24	26.111.24
27	26.110.27	26.111.27

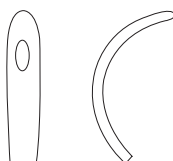
DESCHAMPS
26.110.21 - 26.111.27



cm

21	26.120.21	26.121.21
24	26.120.24	26.121.24
27	26.120.27	26.121.27

DESCHAMPS
26.120.21 - 26.121.27



26.130.13
right

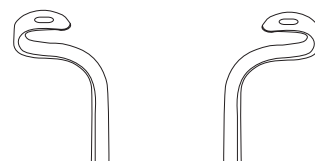


26.131.13
left

cm

13.0	26.130.13	26.131.13
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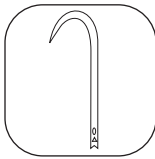
KRONECKER
26.130.13 - 26.131.13



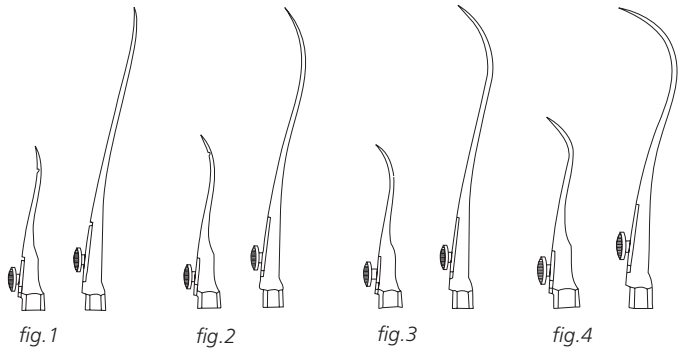
cm

24.5	26.133.24	26.135.24
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NELSON
26.133.24 - 26.135.24



COOPER
26.139.19
19 cm



cm	fig.1	fig.2	fig.3	fig.4
15.0	26.201.15	26.202.15	26.203.15	26.204.15
19.0	26.201.19	26.202.19	26.203.19	26.204.19
21.0	26.201.21	26.202.21	26.203.21	26.204.21
23.0	26.201.23	26.202.23	26.203.23	26.204.23

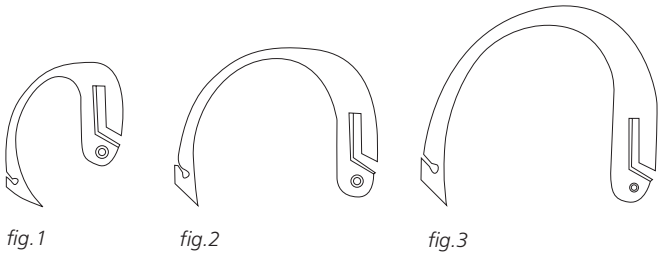
REVERDIN
26.201.15 - 26.204.23



26.240.00

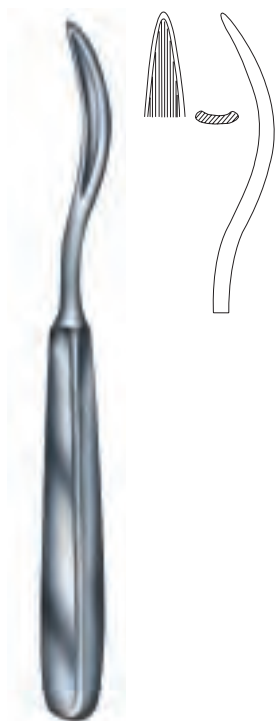
fig.

1	26.240.01
2	26.240.02
3	26.240.03

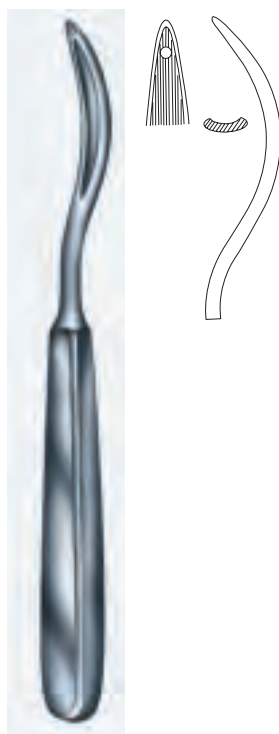


YOUNG
26.240.00 - 26.240.03





SCHMIEDEN
26.271.19
19 cm



SCHMIEDEN PAYR
26.273.19
19 cm



BRUNNER
26.275.30
30 cm



KIRSCHNER
26.277.25
25 cm



KOENIG
26.285.20
20 cm



PAYR
26.288.22 - 26.289.22
22 cm



cm	
18	26.291.18
27	26.291.27

BRUNNER
26.291.18 - 26.291.27

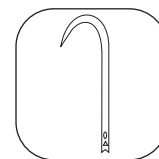
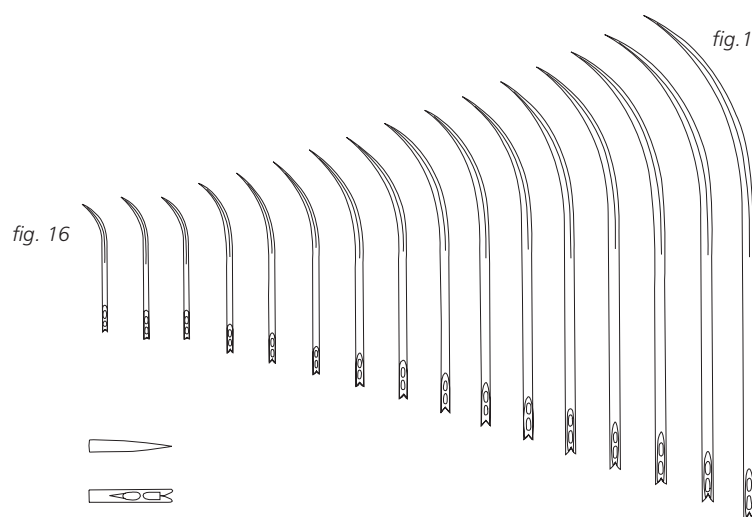
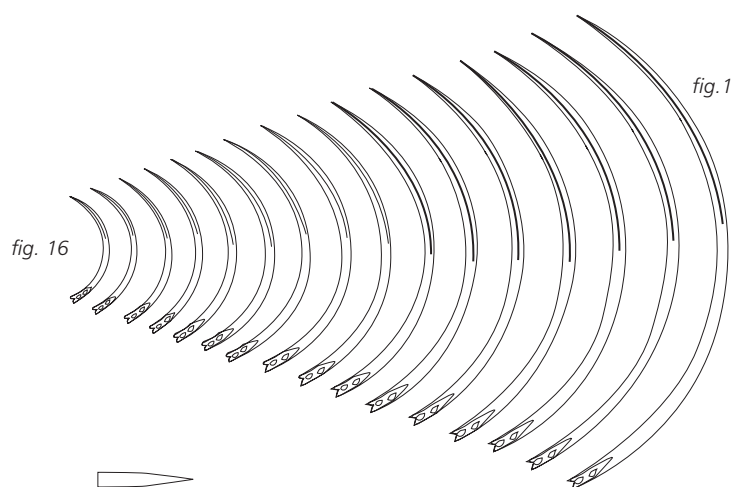


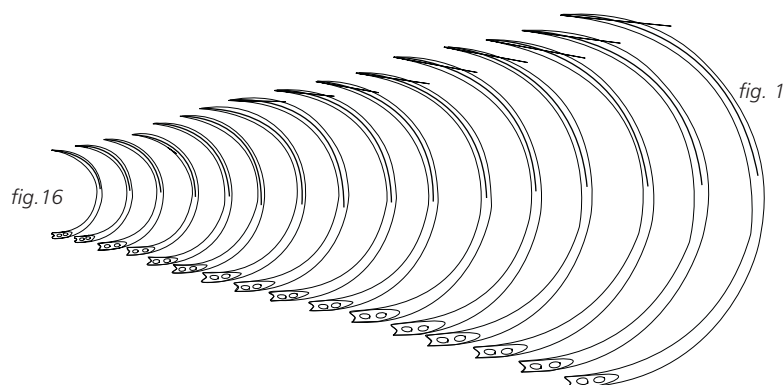
fig.	"A"	"B"	"G"
1	26.403.01	26.413.01	26.423.01
2	26.403.02	26.413.02	26.423.02
3	26.403.03	26.413.03	26.423.03
4	26.403.04	26.413.04	26.423.04
5	26.403.05	26.413.05	26.423.05
6	26.403.06	26.413.06	26.423.06
7	26.403.07	26.413.07	26.423.07
8	26.403.08	26.413.08	26.423.08
9	26.403.09	26.413.09	26.423.09
10	26.403.10	26.413.10	26.423.10
11	26.403.11	26.413.11	26.423.11
12	26.403.12	26.413.12	26.423.12
13	26.403.13	26.413.13	26.423.13
14	26.403.14	26.413.14	26.423.14
15	26.403.15	26.413.15	26.423.15
16	26.403.16	26.413.16	26.423.16



26.403.01 - 26.403.16
"A" triangle

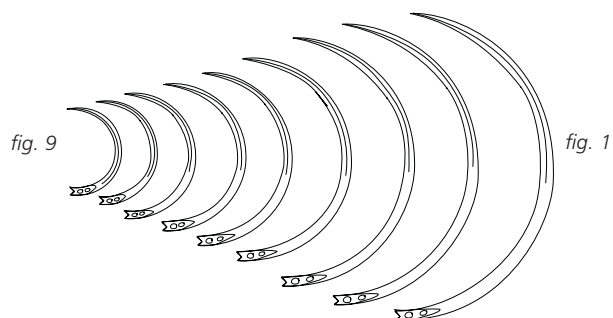


26.413.01 - 26.413.16
"B" triangle



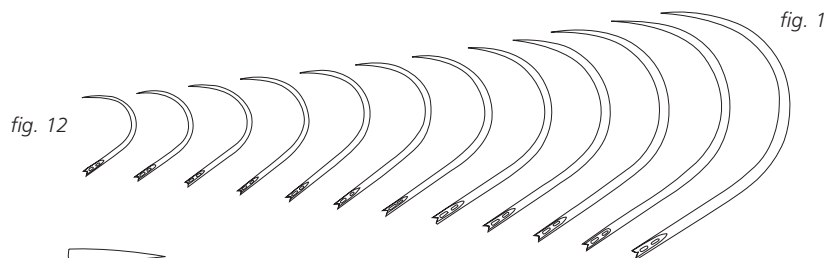
26.423.01 - 26.423.16
"G" triangle





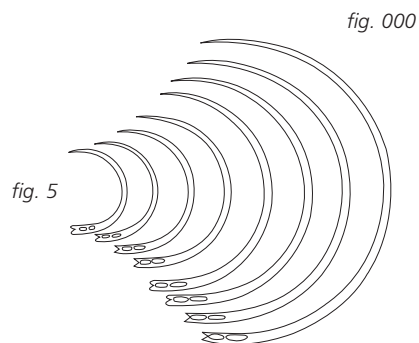
26.433.01 - 26.433.09
"Ga" triangle

fig.	"Ga"
1	26.433.01
2	26.433.02
3	26.433.03
4	26.433.04
5	26.433.05
6	26.433.06
7	26.433.07
8	26.433.08
9	26.433.09



KOENIG
26.441.01 - 26.441.12
hook triangle

fig.	hook
1	26.441.01
2	26.441.02
3	26.441.03
4	26.441.04
5	26.441.05
6	26.441.06
7	26.441.07
8	26.441.08
9	26.441.09
10	26.441.10
11	26.441.11
12	26.441.12



26.443.01 - 26.443.30
"E" round

fig.	"E"
1	26.443.01
2	26.443.02
3	26.443.03
4	26.443.04
5	26.443.05
0	26.443.10
00	26.443.20
000	26.443.30

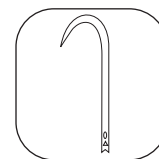


fig. 1

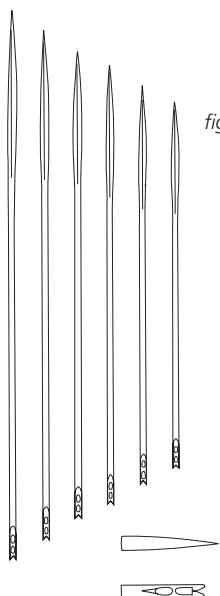


fig. 6

triangle	fig.	round
26.450.01	1	26.452.01
26.450.02	2	26.452.02
26.450.03	3	26.452.03
26.450.04	4	26.452.04
26.450.05	5	26.452.05
26.450.06	6	26.452.06

fig. 6

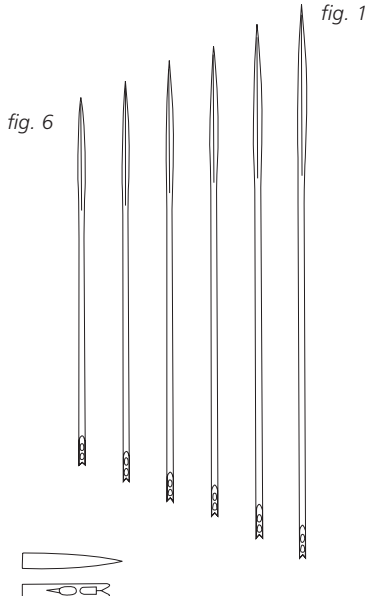


fig. 1

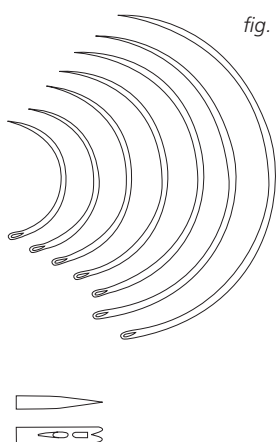
KEITH

26.450.01 - 26.450.06
triangle suture

KEITH

26.452.01 - 26.452.06
round suture

fig. 5



26.465.10 - 26.467.05
"Pb" intestine, round

fig. 5

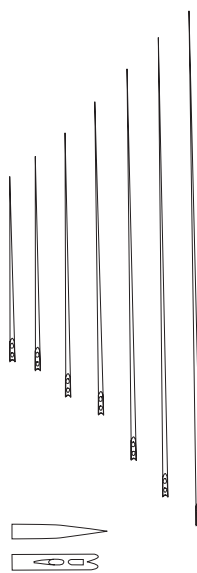


fig. 00

26.475.10 - 26.477.05
"Pc" intestine, round

fig. 5

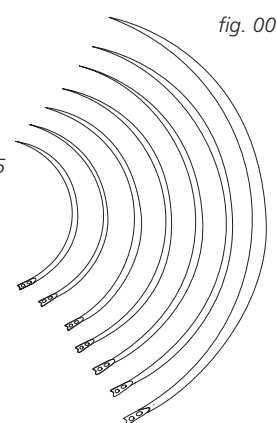


fig. 00

26.485.10 - 26.487.05
"Pd" intestine, round

fig.	"Pb"	"Pc"	"Pd"
0	26.465.10	26.475.10	26.485.10
00	26.465.20	26.475.20	26.485.20
1	26.467.01	26.477.01	26.487.01
2	26.467.02	26.477.02	26.487.02
3	26.467.03	26.477.03	26.487.03
4	26.467.04	26.477.04	26.487.04
5	26.467.05	26.477.05	26.487.05





MICHEL
26.610.12
12 cm



WACHENFELDT
26.612.12
12 cm



WACHENFELDT
26.614.12
12 cm



HEGENBARTH
26.616.12
12 cm



CHILDE
26.620.18
18 cm



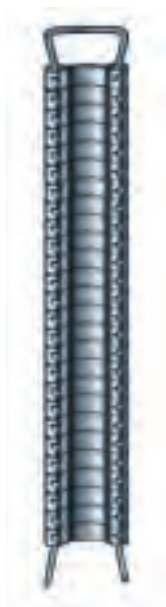
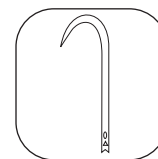
MICHEL
26.630.12 - 26.631.13
12 cm



COLLIN
26.640.13
13 cm



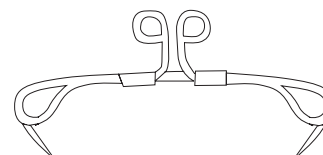
RICHTER HEATH
26.642.14
14 cm



mm

7.5 x 1.75	26.660.07
11 x 2	26.660.11
12 x 3	26.660.12
14 x 3	26.660.14
16 x 3	26.660.16
18 x 3	26.660.18
20 x 3	26.660.20
22 x 3	26.660.22

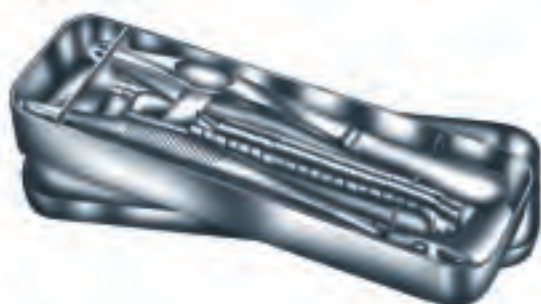
MICHEL
26.660.07 - 26.660.22



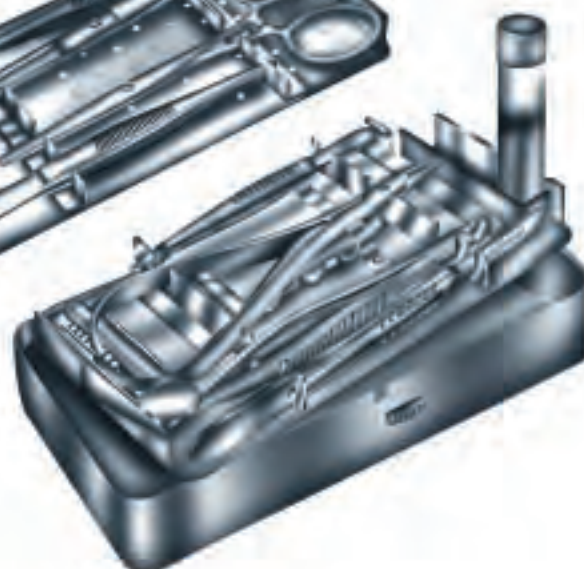
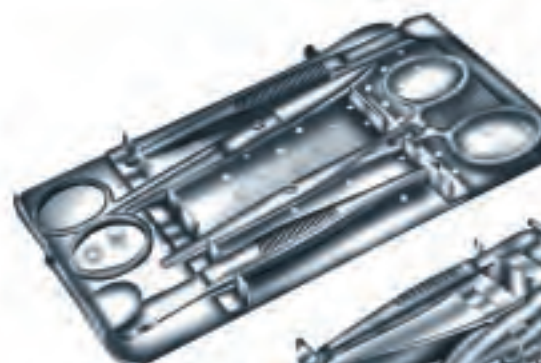
mm

12 x 3	26.662.12
14 x 3	26.662.14
16 x 3	26.662.16
18 x 3	26.662.18
20 x 3	26.662.20

WACHENFELDT
26.662.12 - 26.662.20



26.670.00



26.680.00

suture pocket cases
estuches de bolsillo
taschennahtbestek





AMBROISE PARÉ
1510 - 1590

As a barber surgeon, he is considered as the founder of the modern surgery. Even though he had no academy formation, his experience in treating wounded soldiers allowed him to be highly recognized as a surgeon.

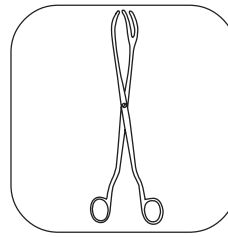
Paré's greatest contributions were the painless treatment of fire weapon injuries, vascular ligation for amputations and the hemiotomy.

De profesión cirujano barbero, considerado como el fundador de la cirugía moderna.

A pesar no haber tenido formación universitaria, sus experiencias en la práctica curando soldados heridos, le permitieron ser altamente reconocido como cirujano. Paré destacó por sus invenciones en el tratamiento gentil de los heridos por armas de fuego, la ligadura vascular en amputaciones y la hemiotomía.

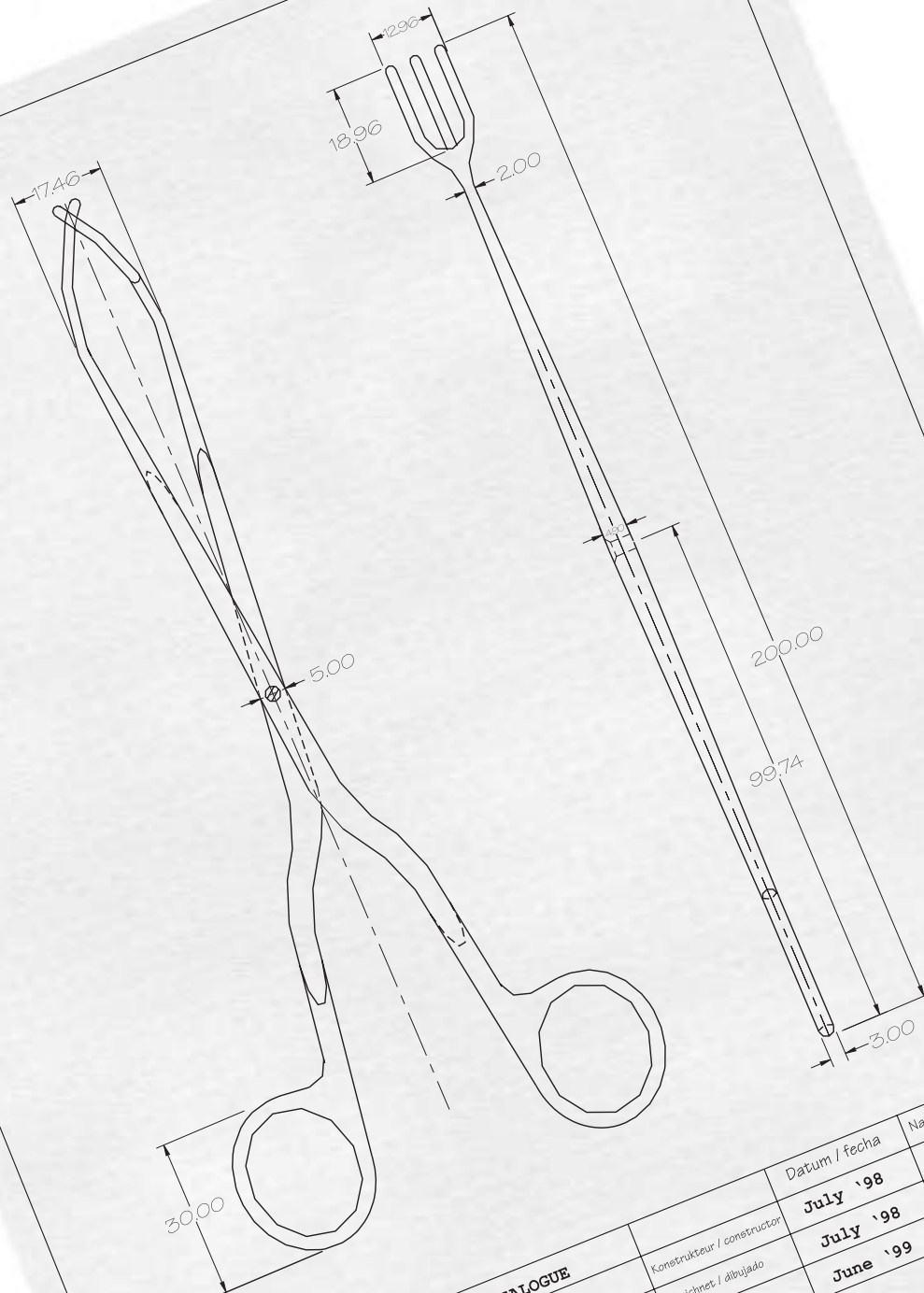


Trotz seines Berufes als Barbier wird Paré als Mitbegründer der modernen Chirurgie betrachtet. Obwohl Paré keine akademische Ausbildung genossen hat, wurde er aufgrund seiner Erfahrung bei der Behandlung von verletzten Soldaten als Chirurg hoch anerkannt. Paré's größte Beiträge waren die schmerzlose Behandlung von Feuerwaffenwunden, die Gefäßligatur bei Amputationen und die Hemiotomie.

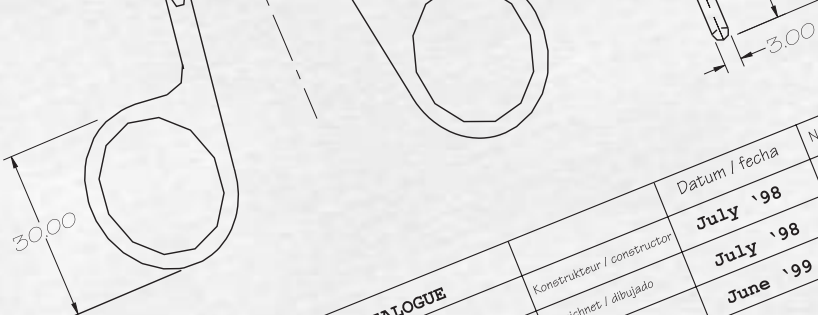


28

Sterilizing Aids
Auxilios para Esterilización
Sterilisierhilfen



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F		July '98	cvd/jvd	1
		July '98	cvd	Maasstab / escala 1:1
		June '99	mj	Abt. / acot. mm
Stainless Steel		gezeichnet / dibujado		Artikel / artículo
Inoxidable		geprüft / verificado		
		Toleranz / tolerancia		
		Artikel-Nr. / No. de artículo		



261





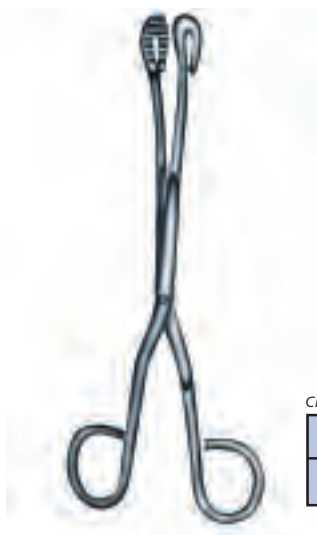
DAVIS
28.102.16 - 28.102.24

cm

16	28.102.16
20	28.102.20
24	28.102.24



CHEATTLE
28.110.27
27 cm



universal
28.120.20 - 28.120.28

cm

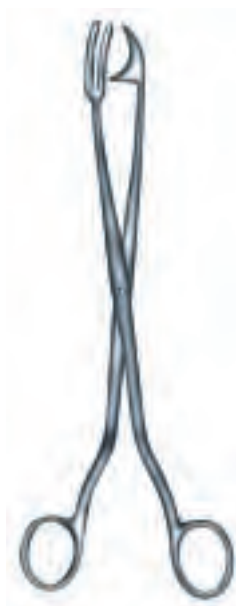
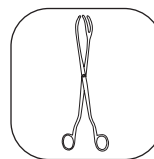
20	28.120.20
28	28.120.28



universal
28.121.20 - 28.121.28

cm

20	28.121.20
28	28.121.28



ROGGE
28.130.23
23 cm



28.140.20 - 28.140.30

cm	
20	28.140.20
30	28.140.30



BUNT
28.150.12
12 cm



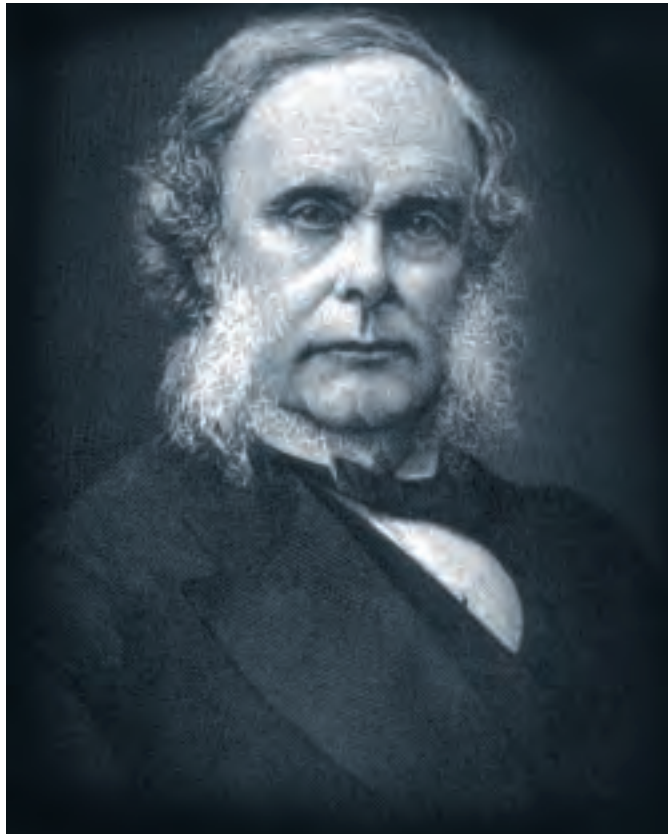
MAYO
28.152.14
14 cm



JOSEPH L. LISTER 1827 - 1912

Nació en Upton, Inglaterra en 1827.
Se graduó en Medicina en Londres.

En 1860 fue nombrado Profesor de Cirugía en Glasgow. Ahí concibió la idea de la asepsia. Los principios se fundaban en la destrucción de todos los microorganismos vivos, principalmente bacterias, que podrían estar en contacto con los tejidos del paciente durante procedimientos operatorios. Es Lister, quien marca el mayor crédito por la posibilidad de realizar un gran número de operaciones. Esto gracias a la aplicación de una solución de ácido fénico durante el aseo cuidadoso del paciente y esterilización de compresas e instrumentos antes de operar.



Was born in Upton, England in 1827.

He graduated in Medicine in London. Lister became Professor of Surgery in 1860 in Glasgow. There he started to conceive the idea of the asepsis. He based his ideas on the principle of killing microorganisms, principally bacteria which could contact with the patient's tissue during operative procedure.

It was possible for Lister to realize a large number of operations successfully. Before he started to operate, he cleaned his patients and sterilized the wrapping drapes and instruments with solutions of carbolic acid.

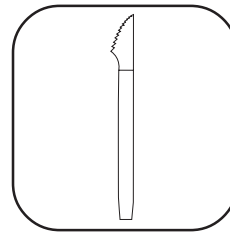
Wurde in Upton, England, 1827 geboren. Sein medizinisches Studium absolvierte er in London.

1860 wurde er zum Professor der Chirurgie in

Glasgow ernannt, wo er auch schon mit dem Gedanken der Asepsis spielte.

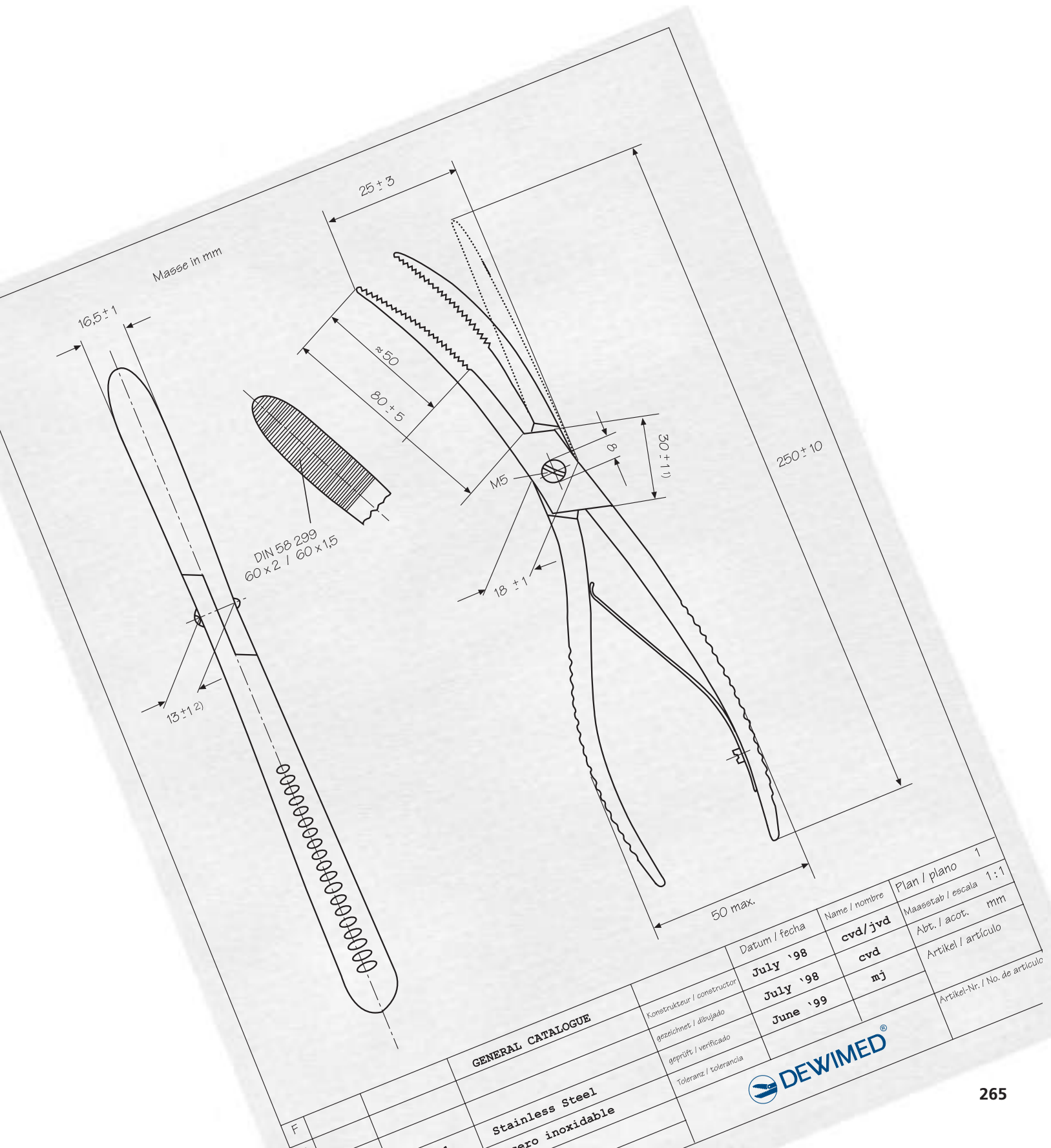
Die Grundsätze bezogen sich auf die Vernichtung von Mikroorganismen, hauptsächlich Bakterien, die bei Operationen mit den Geweben des Patienten in Kontakt treten können.

Lister hat es somit ermöglicht, eine Vielzahl von Operationen infektionsfrei zu realisieren. Bevor er operierte, reinigte er seine Patienten und sterilisierte Tücher und Instrumente mit einer Lösung aus Karbolsäure.



30

Plaster - of - Paris
Vendajes Enyesados
Gipsverbände





STILLE
30.101.24
24 cm



STILLE
30.103.23 - 30.103.37

cm	
23	30.103.23
26	30.103.26
37	30.103.37



SEUTIN
30.104.23
23 cm



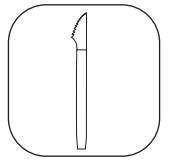
WIGMORE
30.120.19
19 cm



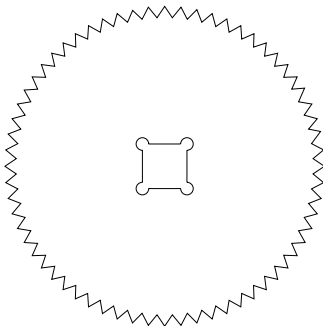
ENGEL
30.130.14



BERGMANN
30.134.18



30.210.21
110V
30.210.22
220 V



Ø mm

50	normal	30.210.50
65	normal	30.210.65
50	hard	30.211.50
65	hard	30.211.65

30.210.50 - 30.211.65



30.212.02





HENNIG
30.350.28
28 cm



BEESON
30.360.30
30 cm



HAGLUND STILLE
30.362.28
28 cm



30.366.23
23 cm



HOPKINS
30.370.20
20 cm



ESMARCH
30.380.18
18 cm



REINER
30.390.18
18 cm



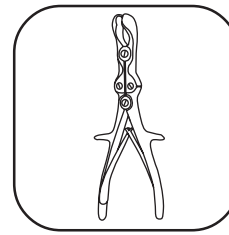
WOLFF
30.395.18
18 cm
30.397.24
24 cm



30.395.18



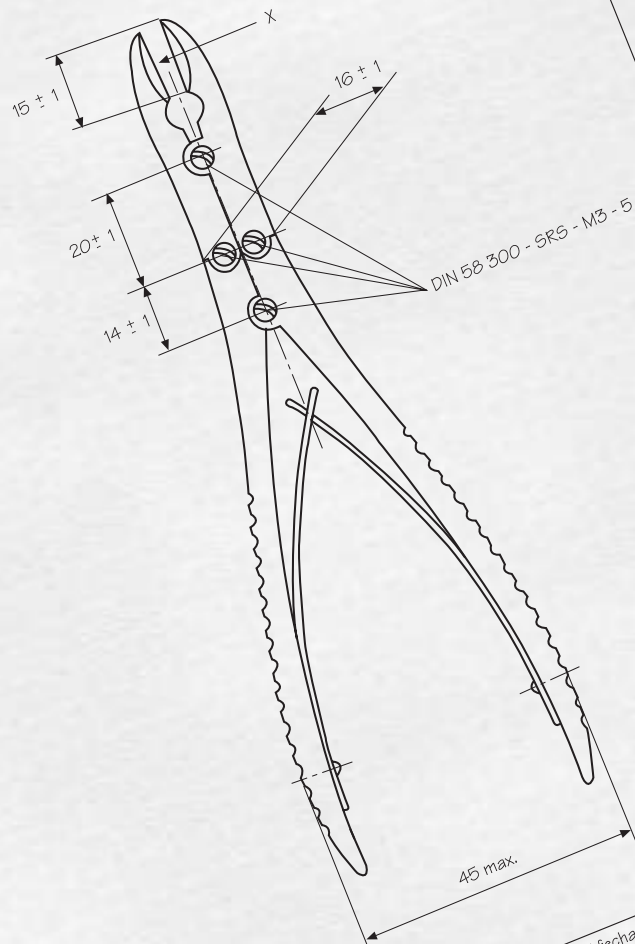
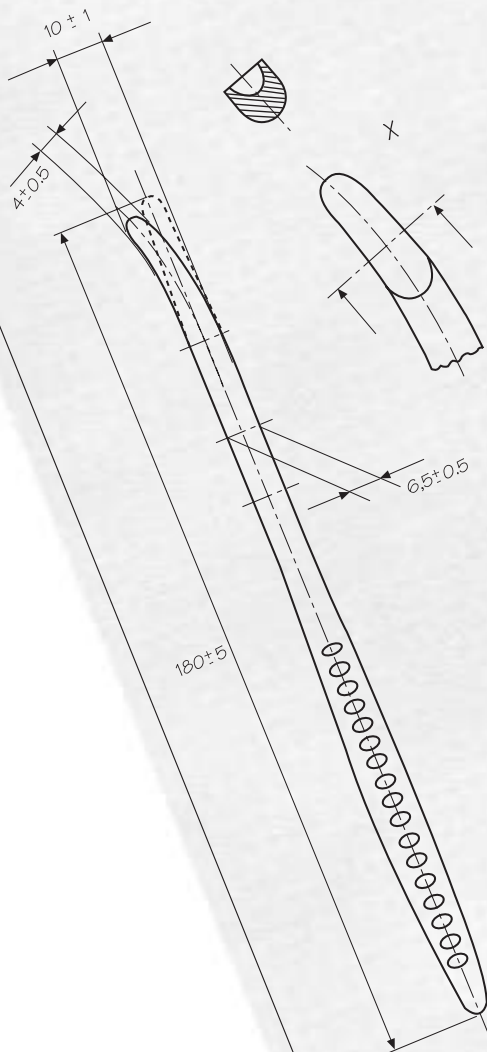
30.397.24



32

Bone Surgery
Cirugía Ósea
Knochenchirurgie

Masse in mm



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
Stainless Steel Inoxidable	Konstrukteur / constructor	July '98	cvd/jvd	1
	gezeichnet / dibujado	July '98	cvd	Maestab / escala 1:1
	geprüft / verificado	June '99	mj	Abt. / acot. mm
		Toleranz / tolerancia		Artikel / artículo
				Artikel-Nr. / No. de artículo

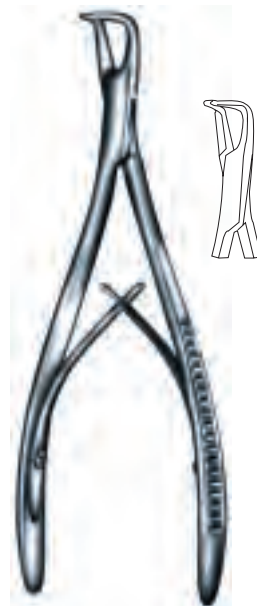
 **DEWIMED®**



FRIEDMAN mini
32.101.12
12 cm



FRIEDMAN
32.101.14
14 cm



FRIEDMAN
32.102.14
14 cm



FRIEDMAN
32.102.15
15 cm



CLEVELAND
32.103.14 - 32.105.17



cm

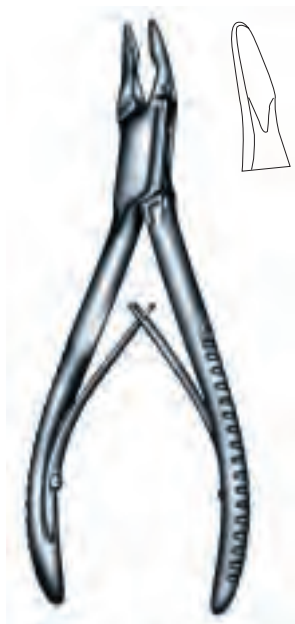
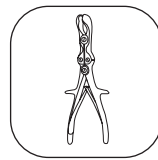
14	32.103.14
17	32.105.17



MEAD
32.107.16
16 cm



MEAD
32.109.16
16 cm



BLUMENTHAL
32.115.15
15 cm



BLUMENTHAL
32.117.15
15 cm



BLUMENTHAL
32.119.15
15 cm



LUER
32.131.15
15 cm



LUER
32.133.15
15 cm



LUER
32.136.17 - 32.137.17
17 cm



ADSON
32.142.20 - 32.143.20
20 cm



OLIVECRONA
32.147.20
20 cm



cm

16.0	32.150.16	32.151.16
18.5	32.154.18	32.155.18

LEMPERT
32.150.16 - 32.155.18



HAKANSSON
32.157.17
17 cm



BEYER
32.159.18
18 cm



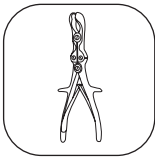
mm

2	32.161.02
3	32.161.03

BEYER
32.161.02 - 32.161.03
17 cm



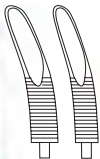
BACON
32.165.20
20 cm



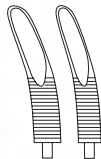
cm

19.0	32.167.19
20.5	32.169.20

JANSEN
32.167.19 - 32.169.20



BEYER
32.201.18
18 cm



ZAUFAL JANSEN
32.205.18
18 cm



MAYFIELD
32.207.17
17 cm



mm

2	32.210.15	32.211.15
3	32.212.15	32.213.15

BOEHLER
32.210.15 - 32.213.15
15 cm



RUSKIN
32.216.18
18 cm





RUSKIN
32.217.18
18 cm



RUSKIN
32.219.23
23 cm



RUSKIN
32.221.18
18 cm



cm

22	32.230.22
26	32.230.26

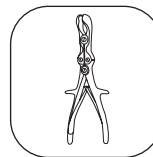
STILLE LUER
32.230.22 - 32.230.26



cm

22	32.231.22
26	32.231.26

STILLE LUER
32.231.22 - 32.231.26



STILLE LUER
32.232.23
23 cm



cm

23	32.233.23
27	32.233.27

STILLE LUER
32.233.23 - 32.233.27

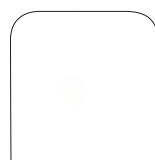


STILLE LUER
32.235.23
23 cm



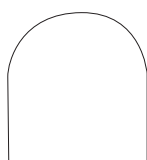
STILLE RUSKIN
32.237.23
23 cm





20 mm

32.241.30



30 mm

32.243.30

SAUERBRUCH
32.241.30 - 32.243.30
30 cm



mm

8	32.245.23
5	32.247.23

LEKSELL STILLE
32.245.23 - 32.247.23
23 cm



32.249.05

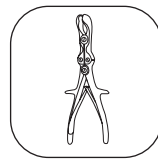


32.249.08

mm

5	32.249.05
8	32.249.08

LESKELL
32.249.05 - 32.249.08
23 cm



right	32.251.26
left	32.253.26

SCAGLIETTI
32.251.26 - 32.253.26
26 cm



FRYKHOLM
32.255.24
24 cm



		
32.259.02	32.259.03	32.259.04

mm	
2	32.259.02
3	32.259.03
4	32.259.23

ECHILIN
32.259.02 - 32.259.23
23 cm



	
32.261.22	32.261.27

cm	
22.5	32.261.22
27.0	32.261.27

SEMB
32.261.22 - 32.261.27





32.262.24



32.263.24



32.265.24

SMITH PETERSEN
32.262.24 - 32.265.24
24 cm
3 mm



cm

14	32.274.14	32.275.14
17	32.274.17	32.275.17
19	32.274.19	32.275.19
22	32.274.22	32.275.22

LISTON
32.274.14 - 32.275.22



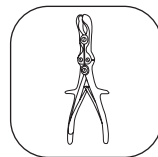
cm

15	32.280.15	32.281.15
----	-----------	-----------

BOEHLER
32.280.15 - 32.281.15



COTTLE KAZANJIAN
32.282.19
19 cm



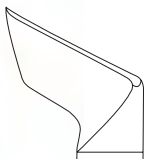
32.289.18

RUSKIN LISTON
32.286.18 - 32.289.18
18.5 cm

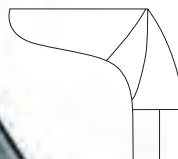


32.291.27

STILLE LISTON
32.290.27 - 32.291.27
27 cm



STILLE HORSLEY
32.293.27
27 cm

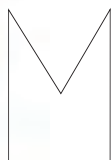


SEMB
32.295.24
24 cm



FERGUSSON
32.360.21
21 cm





LANGENBECK
32.362.21
21 cm

32.364.20
20 cm



SEMB
32.365.19
19 cm

FARABEUF
32.366.23 - 32.366.26

cm

23	32.366.23
26	32.366.26



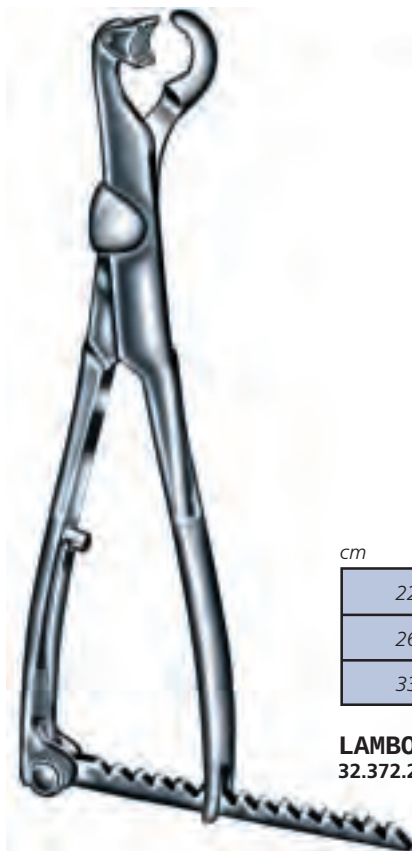
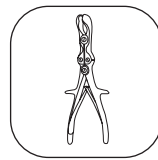
FARABEUF LAMBOTTE
32.368.26
26 cm



LAMBOTTE
32.370.22 - 32.370.30

cm

22	32.370.22
27	32.370.27
30	32.370.30



cm

22	32.372.22
26	32.372.26
33	32.372.33

LAMBOTTE
32.372.22 - 32.372.33



cm

19	32.373.19
23	32.373.23
26	32.373.26

LAMBOTTE
32.373.19 - 32.373.26



cm

15	32.378.15
17	32.378.17
21	32.378.21

KERN
32.378.15 - 32.378.21

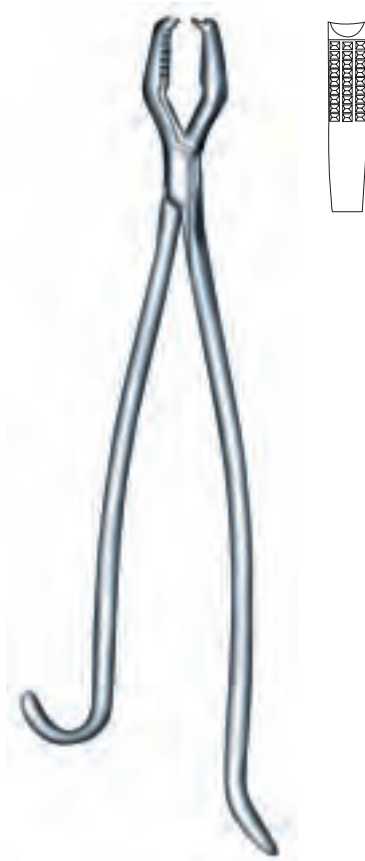


cm

15	32.380.15
17	32.380.17
21	32.380.21

KERN
32.380.15 - 32.380.21

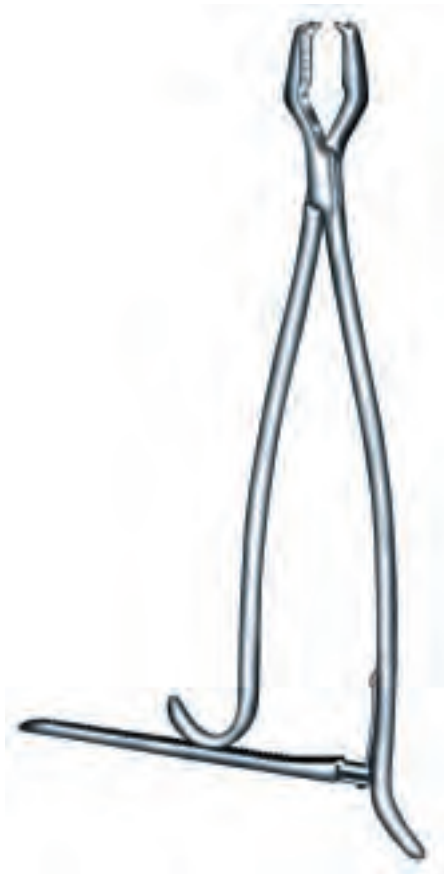




cm

33	32.382.33
45	32.382.45

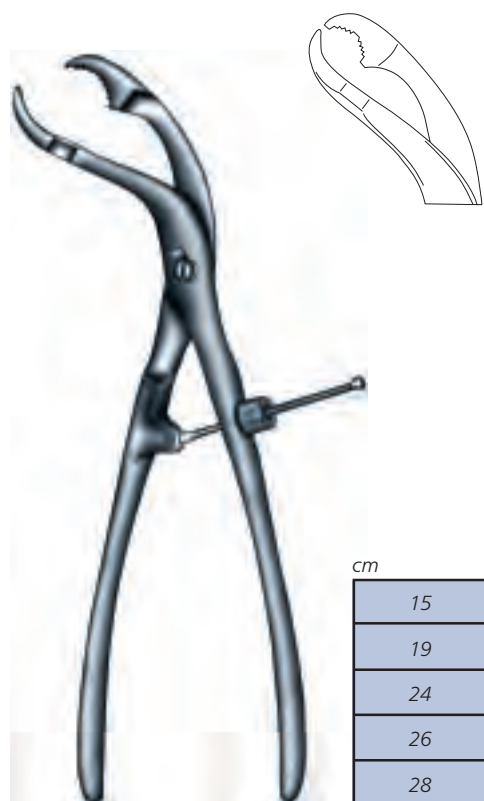
LANE
32.382.33 - 32.382.45



cm

33	32.384.33
45	32.384.45

LANE
32.384.33 - 32.384.45



cm

15	32.391.15
19	32.391.19
24	32.391.24
26	32.391.26
28	32.391.28

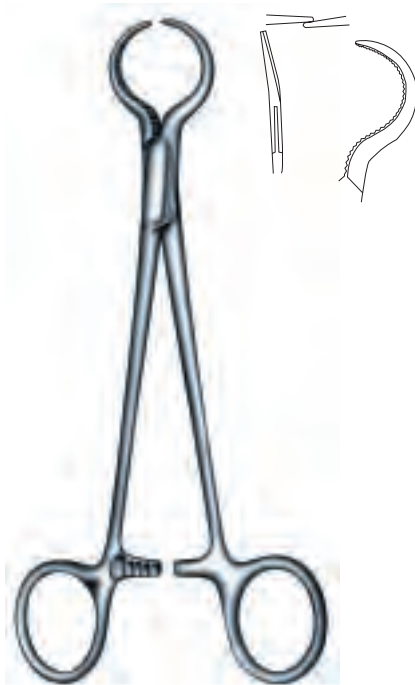
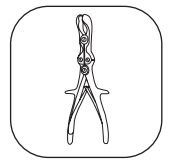
VERBRUGGE
32.391.15 - 32.391.28



cm

17.5	32.395.17
25.0	32.395.25
26.0	32.395.26
27.0	32.395.27

VERBRUGGE
32.395.17 - 32.395.27



LEWIN
32.402.17
17.5 cm



BIRCHER GANSKE
32.404.20 - 32.405.20
20 cm



DINGMANN
32.407.19
19 cm



32.409.13
13.5 cm



MARTIN
32.410.16 - 32.410.19

cm	
16	32.410.16
19	32.410.19



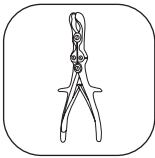


cm

13.0	32.441.13
18.5	32.441.18
20.0	32.441.20

LOWMAN
32.441.13 - 32.441.20





PARHAM
32.446.24
24 cm



PARHAM
32.448.18 - 32.448.30

cm	
18	32.448.18
30	32.448.30



32.450.01
adult
32.450.02
child



32.462.07



32.462.02



32.462.08



32.462.03



32.462.10



32.462.04



32.462.12



32.462.05



32.462.14



32.462.06

ø mm		cm
2	32.462.02	17.0
3	32.462.03	17.0
4	32.462.04	17.0
5	32.462.05	17.5
6	32.642.06	17.5
7	32.642.07	18.0
8	32.642.08	18.0
10	32.642.10	18.0
12	32.462.12	20.0
14	32.462.14	20.0



32.462.02 - 32.462.14





cm

$\varnothing$ mm		cm
2	32.463.02	18.0
3	32.463.03	18.0
4	32.463.04	18.5
5	32.463.05	18.5
6	32.463.06	18.5
7	32.463.07	19.0
8	32.463.08	20.0
10	32.463.10	21.0
12	32.463.12	21.0
14	32.463.14	22.0

SWEDEN

32.463.02 - 32.463.14

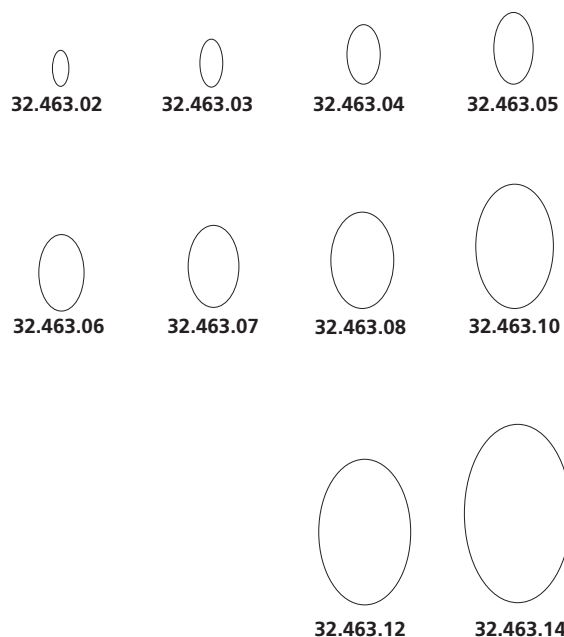
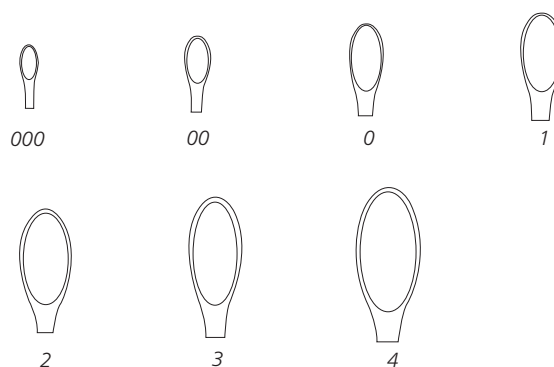


fig.

000	32.467.97
00	32.467.98
0	32.468.00
1	32.468.01
2	32.468.02
3	32.468.03
4	32.468.04



SCHEDE

32.467.97 - 32.468.04

17 cm

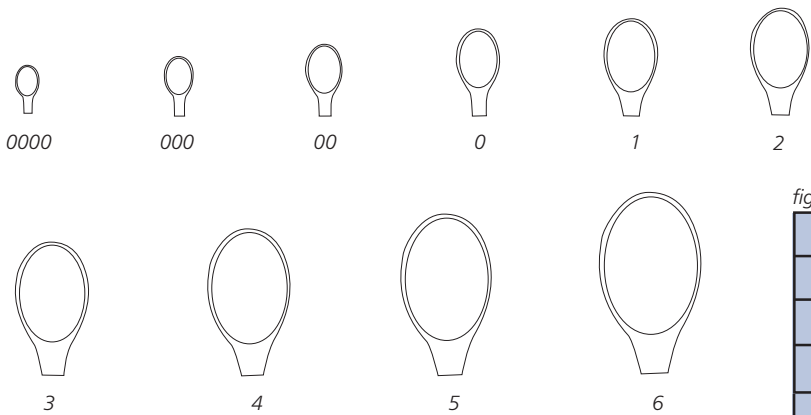
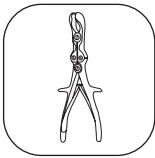


fig.

0000	32.469.96
000	32.469.97
00	32.469.98
0	32.470.00
1	32.470.01
2	32.470.02
3	32.470.03
4	32.470.04
5	32.470.05
6	32.470.06



VOLKMANN
32.469.96 - 32.470.06
17 cm

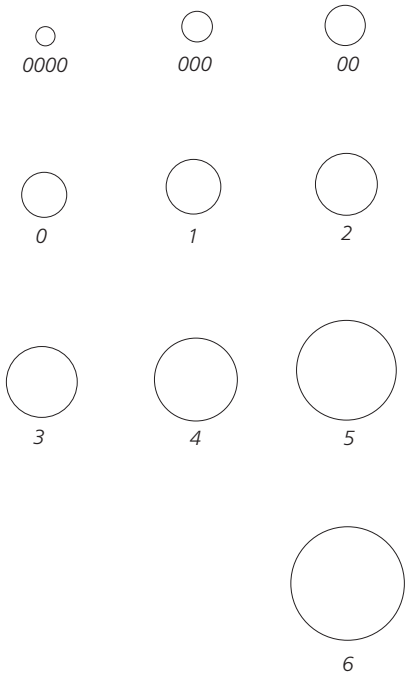


fig.

0000	32.471.96
000	32.471.97
00	32.471.98
0	32.472.00
1	32.472.01
2	32.472.02
3	32.472.03
4	32.472.04
5	32.472.05
6	32.472.06



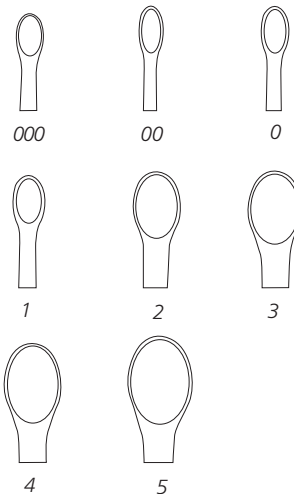
BRUNS
32.471.96 - 32.472.06
17 cm





fig.

000	32.474.97
00	32.474.98
0	32.475.00
1	32.475.01
2	32.475.02
3	32.475.03
4	32.475.04
5	32.475.05



SPRATT
32.474.97 - 32.475.05
18 cm

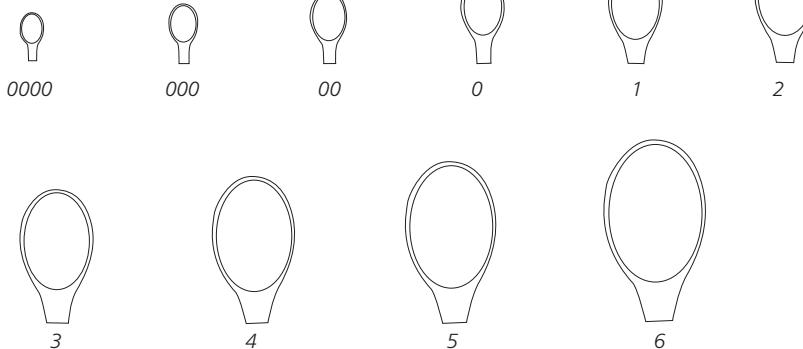


fig.

32.476.96	0000	32.478.96
32.476.97	000	32.478.97
32.476.98	00	32.478.98
32.477.00	0	32.479.00
32.477.01	1	32.479.01
32.477.02	2	32.479.02
32.477.03	3	32.479.03
32.477.04	4	32.479.04
32.477.05	5	32.479.05
32.477.06	6	32.479.06

BRUNS
32.476.96 - 32.477.06
23 cm



BRUNS
32.478.96 - 32.479.06
23 cm

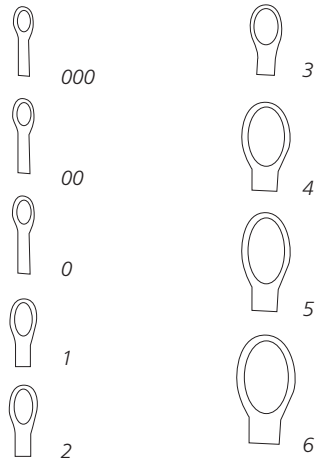
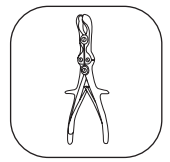


fig.

000	32.480.97
00	32.480.98
0	32.481.00
1	32.481.01
2	32.481.02
3	32.481.03
4	32.481.04
5	32.481.05
6	32.481.06

BRUNS
32.480.97 - 32.481.06
23 cm

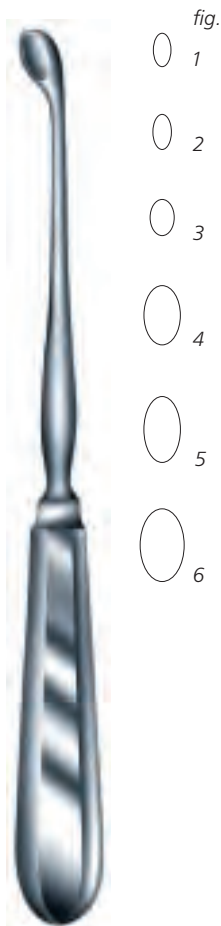


fig.

1	32.485.01
2	32.485.02
3	32.485.03
4	32.485.04
5	32.485.05
6	32.485.06

SIMON
32.485.01 - 32.485.06
24 cm

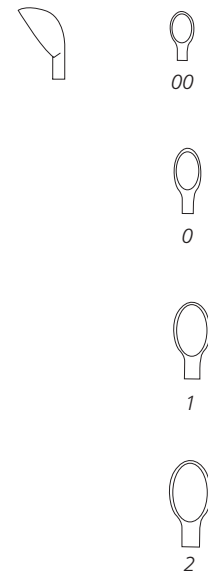


fig.

00	32.486.99
0	32.487.00
1	32.487.01
2	32.487.02

DAUBENSPECK
32.486.99 - 32.487.02
17.5 cm





fig.

0	32.490.10
00	32.490.20
000	32.490.30
0000	32.490.40
00000	32.490.50

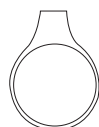
LEMPERT
32.490.10 - 32.490.50
17.5 cm



fig.

1	32.491.01
2	32.491.02
3	32.491.03

HALLE
32.491.01 - 32.491.03
21 cm



cm

13	32.492.13
16	32.492.16
20	32.492.20

VOLKMANN
32.492.13 - 32.492.20



cm

13	34.494.13
16	32.494.14
20	32.494.17

VOLKMANN
32.494.13 - 32.494.17

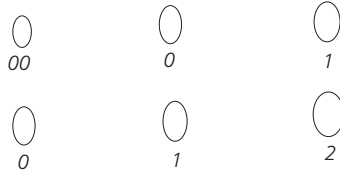
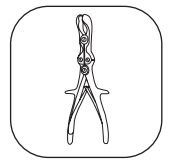


fig.

32.496.00	00/0	32.498.00
32.496.01	0/1	32.498.01
32.496.12	1/2	32.498.12

WILLIGER
32.496.00 - 32.496.12
13.5 cm



MARTINI
32.498.00 - 32.498.12
13.5 cm

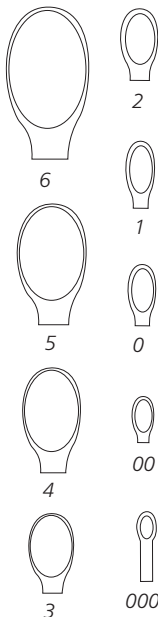


fig.

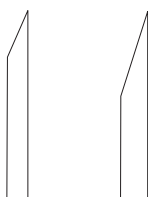
000	32.501.00
00	32.502.00
0	32.503.00
1	32.503.01
2	32.503.02
3	32.503.03
4	32.503.04
5	32.503.05
6	32.503.06

COBB
32.501.00 - 32.503.06
28 cm



32.502.21
21 cm

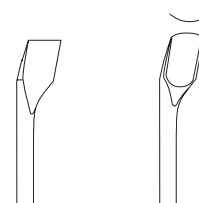




32.560.20 32.561.16

cm	mm	
24	20	32.560.20
26	16	32.561.16

32.560.20 - 32.561.16



mm		
10	32.563.10	32.565.10
15	32.563.15	32.565.15

LEXER
32.563.10 - 32.565.15
28 cm



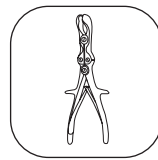
mm	
7	32.570.05
10	32.570.09

LEXER
32.570.05 - 32.570.09
28.5 cm



mm	curved forth	curved back	straight
9	32.571.09	32.573.09	32.575.09
15	32.571.15	32.573.15	32.575.15
30	32.571.30	32.573.30	32.575.30

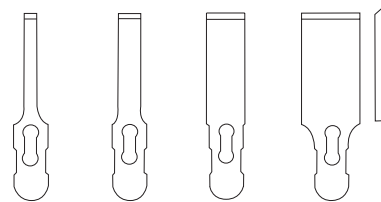
WARNER
32.571.09 - 32.575.30



mm

2	32.582.02
3	32.582.03
4	32.582.04
5	32.582.05
6	32.582.06
8	32.582.08
10	32.582.10

MAZO
32.582.02 - 32.582.10
15.5 cm



mm

5	32.580.05
10	32.580.10
16	32.580.16
25	32.580.25
25 x 78	32.580.78
25 r= 5	32.581.50
25 r= 6	32.581.60
25 r= 7	32.581.70

handpiece only
32.580.00
18 cm
blades
32.580.05 - 32.581.70



ø / mm

3	32.584.03
5	32.584.05
8	32.584.08

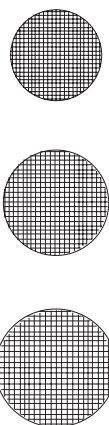
CASPAR
32.584.03 - 32.584.08
20 cm



ø / mm

12	32.586.12
14	32.586.14
16	32.586.16

32.586.12 - 32.586.16



ø / mm

3	32.588.03
5	32.588.05
7	32.588.07
9	32.588.09

32.588.03 - 32.588.09
16 cm





mm

8	32.602.08
10	32.602.10
12	32.602.12
14	32.602.14
16	32.602.16

32.602.08 - 32.602.16
13.5 cm



mm

8	32.604.08
10	32.604.10
12	32.604.12
14	32.604.14
16	32.604.16

32.604.08 - 32.604.16
13.5 cm



mm

8	32.605.08
10	32.605.10
12	32.605.12
14	32.605.14
16	32.605.16

32.605.08 - 32.605.16
13.5 cm



32.610.04
4 mm



32.610.06
6 mm



32.610.08
8 mm



32.610.10
10 mm

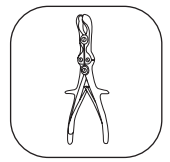


32.610.12
12 mm



32.610.14
14 mm

ALEXANDER
32.610.04 - 32.610.14
17 cm



mm

4	32.611.04
6	32.611.06
8	32.611.08
10	32.611.10
12	32.611.12
14	32.611.14

ALEXANDER
32.611.04 - 32.611.14
17 cm



mm

13.5 cm

17 cm

2	32.620.02	32.622.02
3	32.620.03	32.622.03
4	32.620.04	32.622.04
5	32.620.05	32.622.05
6	32.602.06	32.622.06
7	32.620.07	32.622.07
8	32.620.08	32.622.08
10	32.620.10	
12	32.620.12	

PARTSCH
32.620.02 - 32.622.08



mm

13.5 cm

17 cm

2	32.623.02	32.625.02
3	32.623.03	32.625.03
4	32.623.04	32.625.04
5	32.623.05	32.625.05
6	32.623.06	32.625.06
7	32.623.07	32.625.07
8	32.623.08	32.625.08

PARTSCH
32.623.02 - 32.625.08



mm

10	32.630.10
12	32.630.12
15	32.630.15
20	32.630.20
25	32.630.25

STILLE
32.630.10 - 32.630.25
20 cm





mm

8	32.632.08
10	32.632.10
15	32.632.15
20	32.632.20
25	32.632.25

STILE
32.632.08 - 32.632.25
20 cm



mm

10	32.633.10
15	32.633.15
20	32.633.20
25	32.633.25

STILE
32.633.10 - 32.633.25
20 cm



cm

0.6	32.634.06
0.9	32.634.09
1.3	32.634.13
1.6	32.634.16
1.9	32.634.19
2.5	32.634.25
3.2	32.634.32

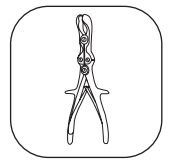
SMITH PETERSON
32.634.06 - 32.634.32
20 cm



mm

6	32.635.06
9	32.635.09
13	32.635.13
16	32.635.16
19	32.635.19
25	32.635.25
32	32.635.32

SMITH PETERSEN
32.635.06 - 32.635.32
20 cm



mm

6	32.637.06
9	32.637.09
13	32.637.13
16	32.637.16
19	32.637.19
25	32.637.25
32	32.637.32

SMITH PETERSEN
32.637.06 - 32.637.32
20 cm



mm

6	32.639.06
9	32.639.09
13	32.639.13
16	32.639.16
19	32.639.19
25	32.639.25
32	32.639.32

SMITH PETERSEN
32.639.06 - 32.639.32
20 cm



mm

6.5	32.650.06
15.0	32.650.15
20.0	32.650.20
25.0	32.650.25
30.0	32.650.30
38.0	32.650.38
44.0	32.650.44

LAMBOTTE
32.650.06 - 32.650.44
24 cm



mm

6.5	32.651.06
15.0	32.651.15
20.0	32.651.20
25.0	32.651.25
30.0	32.651.30
38.0	32.651.38
44.0	32.651.44

LAMBOTTE
32.651.06 - 32.651.44
23 cm





LAMBOTTE mini
32.654.03 - 32.654.15
12.5 cm

mm

3	32.654.03
4	32.654.04
6	32.654.06
8	32.654.08
10	32.654.10
12	32.654.12
15	32.654.15



mm

7	32.660.07
10	32.660.10
15	32.660.15
20	32.660.20
25	32.660.25
30	32.660.30

LEXER
32.660.07 - 32.660.30
22 cm



mm

7	32.661.07
10	32.661.10
15	32.661.15
20	32.661.20
25	32.661.25
30	32.661.30

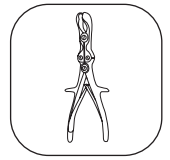
LEXER
32.661.07 - 32.661.30
22 cm



mm

4	32.664.04
6	32.664.06
8	32.664.08
10	32.664.10
12	32.664.12

LEXER mini
32.664.04 - 32.664.12
18 cm



mm

4	32.665.04
6	32.665.06
8	32.665.08
10	32.665.10
12	32.665.12

LEXER mini

32.665.04 - 32.665.12

18 cm



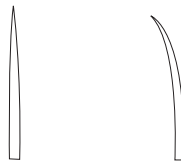
mm

3	32.668.03
5	32.668.05
6	32.668.06
8	32.668.08
9	32.668.09

HOKE

32.668.03 - 32.668.09

17 cm



mm

6	32.670.06	32.671.06
3	32.670.13	32.671.13
9	32.670.19	32.671.19
25	32.670.25	32.671.25
32	32.670.32	32.671.32

HIBBS

32.670.06 - 32.671.32

24 cm



mm

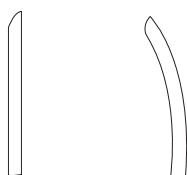
6	32.672.06
3	32.672.13
19	32.672.19
25	32.672.25
32	32.672.32

HIBBS

32.672.06 - 32.672.32

24 cm





mm

6	32.673.06	32.675.06
13	32.673.13	32.675.13
19	32.673.19	32.675.19
25	32.673.25	32.675.25
32	32.673.32	32.675.32

HIBBS

32.673.06 - 32.675.32
24 cm



LEBSCHÉ

32.678.24
24.5 cm



32.679.22
22 cm



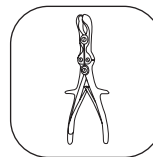
VIRCHOW
32.680.12
12 cm



BRUNETTI
32.681.28
28 cm



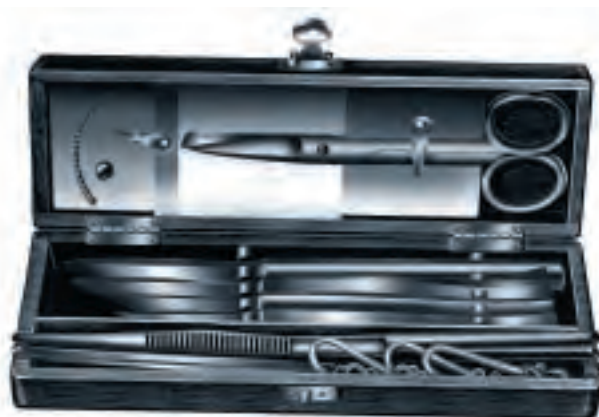
BRUNETTI
32.683.28
28 cm



POST MORTEN set
32.684.00



plastic
32.685.01
large
32.685.02
small



wood
32.685.03
large
32.685.04
small



GERZOG
32.686.25
18 cm / 250 g



KIRK
32.688.75
19 cm / 750 g



32.690.45 - 32.690.90
26.5 cm

g	
450	32.690.45
900	32.690.90



32.691.14
2 interchanging faces
160 g
32.691.99
pair of spare



32.693.35 - 32.693.70
26 cm

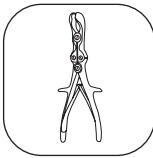
ø / mm	
35	32.693.35
45	32.693.50
50	32.693.70



COLLIN
32.692.22
20 cm 220 g



WILLIGER
32.694.34
24 cm 340 g



cm	
3.0	32.695.30
4.5	32.695.45

BERGMANN
32.695.30 - 32.695.45
300 g



LUCAE
32.696.26
19 cm 260 g



MEAD
32.696.32
17 cm

32.697.02
pair of spare disks



g	
250	32.698.25
400	32.698.40

32.698.25 - 32.698.40
26 cm



QUISLING
32.698.75
17 cm



32.699.00
23.5 cm





32.700.01
140 g/ 20 mm / 16 cm

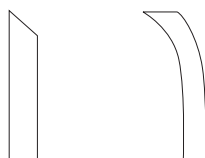
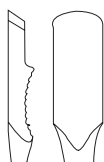


32.700.02
100g/ 20 mm/ 16 cm



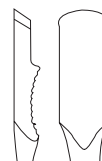
PARTSCH
32.701.01 - 32.701.02
18 cm / ø 22 mm

g	
200	32.701.01
160	32.701.02



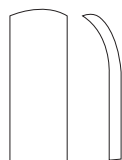
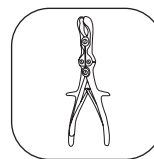
cm		
15	32.702.15	32.703.15

FARABEUF
32.702.15 - 32.703.15
15 cm



cm		
15	32.702.16	32.703.16

FARABEUF LAMBOTTE
32.702.16 - 32.703.16
15 cm



mm

5	32.705.05
10	32.705.10
15	32.705.15
20	32.705.20
25	32.705.25

LAMBOTTE
32.705.05 - 32.705.25
21 cm



mm

10	32.707.10
13	32.707.13
19	32.707.19
25	32.707.25
30	32.707.30

COBB
32.707.10 - 32.707.30
25 cm



SEDILLLOT
32.709.21
21 cm



mm

6	32.710.06
9	32.710.09

MATHIEU
32.710.06 - 32.710.09
14 cm



LANGENBECK
32.711.18
18 cm





WILLIGER
32.713.16
16 cm



cm

16	32.715.16
20	32.715.20

ALEXANDER
32.715.16 - 32.715.20



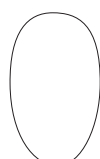
32.718.04



32.718.07



32.718.09



32.718.12

mm

4	32.718.04
7	32.718.07
9	32.718.09
12	32.718.12

WIBERG
32.718.04 - 32.718.12



32.721.17



32.723.17



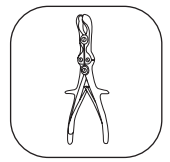
32.725.17



32.727.17

adult	32.721.17
adult	32.723.17
children	32.725.17
children	32.727.17

DOYEN
32.721.17 - 32.727.17
17 cm



cm

17.5	32.729.01
21.0	32.729.02
17.5	32.729.03
21.0	32.729.04
20.5	32.729.05
20.5	32.729.06
22.5	32.729.07



32.729.01



32.729.02



32.729.03



32.729.04



32.729.05



32.729.06



32.729.07

SEMB

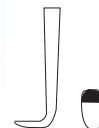
32.729.01 - 32.729.07



MATSON ALEXANDER
32.731.22
22 cm



MATSON
32.733.22
22 cm



OVERHOLT
32.735.29
29.5 cm



OVERHOLT
32.737.29
29.5 cm





OVERHOLT
32.739.28
28.5 cm



LANDOLT
32.740.47
tip 4.7 mm
17.5 cm



CASPAR
32.741.62
tip 6.2 mm
18 cm



32.743.03
tip 3 mm
32.743.06
tip 6 mm
17 cm



SEBILAU
32.748.17
17 cm



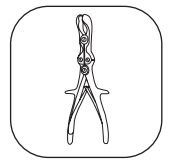
QUERVAIN
32.750.20
20 cm 0.6 mm



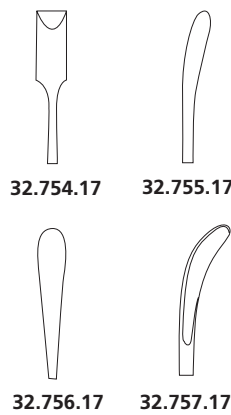
LANGENBECK
32.751.20
20 cm



LANGENBECK
32.753.20
20 cm

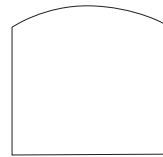


ADSON
32.754.17 - 32.757.17
17 cm



KEY
32.759.06 - 32.759.25
19 cm

mm	
6	32.759.06
12	32.759.12
19	32.759.09
25	32.759.25



CUSHING
32.760.15 - 32.761.19

cm	
15	32.760.15
19	32.761.19



CUSHING
32.762.19
19 cm / 5 mm



CUSHING
32.763.18
18 cm / 16 mm



CUSHING
32.764.18
18 cm / 16 mm



WARSON CHEYNE
32.765.17
17.5 cm





McDONALD
32.767.19
19 cm



MURPHY LANE
32.769.30
30 cm



BENNETT
32.771.71
65 x 260 mm



BENNETT
32.771.73
45 x 260 mm



32.774.14
14 cm



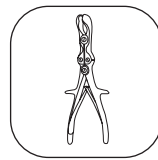
32.775.14
14 cm



32.777.13
13 cm



32.778.06
18.5 cm



32.779.06
18.5 cm
6 mm



32.781.06
18.5 cm 6 mm



32.783.03
18.5 cm 3 mm



LANGE baby
32.791.17
17 cm



LANGE
32.792.22
22 cm / 22 mm

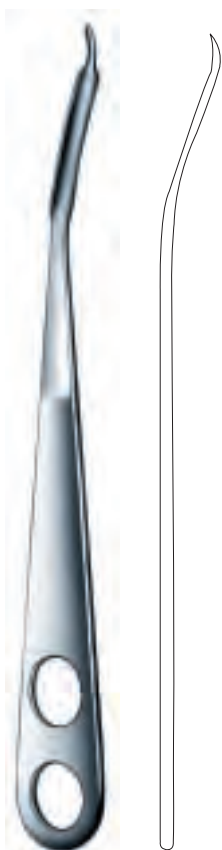


cm / mm

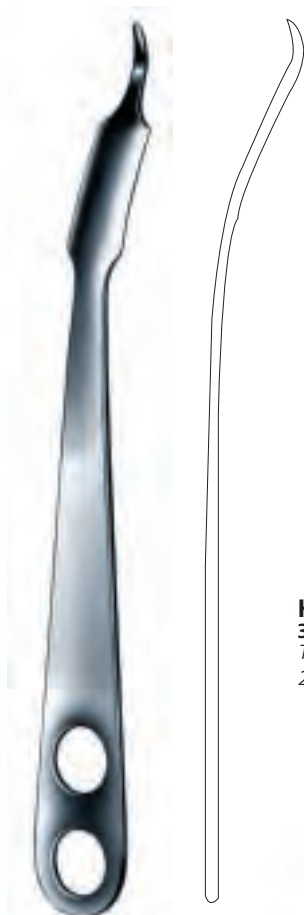
27 / 30	32.793.30
29 / 34	32.793.34

LANGE HOHMANN
32.793.30 - 32.793.34





HOHMANN
32.801.08
Tip 8 mm
22 cm



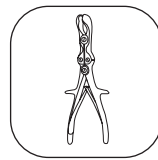
HOHMANN
32.801.18
Tip 18 mm
24 cm



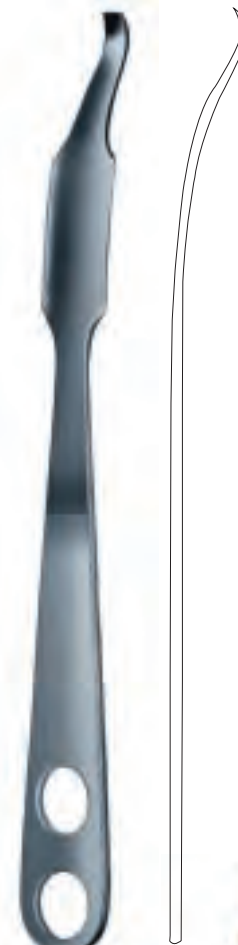
HOHMANN
32.801.43
Tip 4.3 cm
24 cm



HOHMANN
32.801.70
Tip 7 cm
25 cm



HOHMANN
32.803.43
tip 4.3 cm



HOHMANN
32.805.22
tip 2.2 cm
26 cm



HOHMANN
32.805.33
tip 3.3 cm
29 cm



HOHMANN
32.807.24
tip 2.4cm
27 cm



HOHMANN
32.809.22
tip 2.2 cm





HOHMANN ALDINGER
32.810.24
24 cm



mm

6	32.811.06
8	32.811.08

HOHMANN mini
32.811.06 - 32.811.08
16 cm



BUCK GRAMCKO
32.813.15
tip 2 mm
15 cm



mm

2.8	32.815.05
5.0	32.815.06

32.815.05 - 32.815.06
14 cm



32.816.15 32.817.15

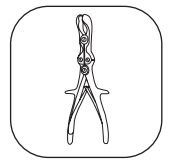
KOENIG
32.816.15 - 32.817.15
15.5 cm



BLOUNT
32.823.26
26 cm



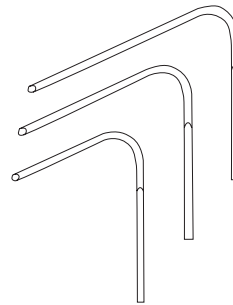
BLOUNT
32.825.26
26 cm



BLOUNT
32.827.17
17.5 cm

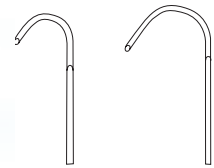


SMILLIE
32.828.32 - 32.828.60
14 cm



mm

19 x 32	32.828.32
19 x 45	32.828.45
19 x 60	32.828.60



cm

1.3 x 1.5	32.829.15
1.3 x 2.5	32.829.25
1.3 x 5.5	32.829.55

SMILLIE
32.829.15 - 32.828.55
14 cm



TAYLOR
32.831.16 - 32.833.16
16.5 cm

mm

75 x 30	32.831.16
100 x 30	32.833.16

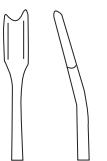


LANE
32.835.27
21 cm



2.910.17

2.911.17



32.913.17

SMILLIE
32.910.17 - 32.913.17
17 cm





cm

19

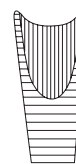


32.915.19

32.917.19

BIRCHER

32.915.19 - 32.917.19



DOWNING

32.919.25

25 cm



32.921.22



32.923.22

Fig. 0

NEFF

32.921.22 - 32.923.22

22 cm



CANADA

32.925.20

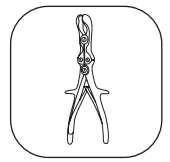
20 cm



CANADA

32.927.20

20 cm



-  32.950.01
-  32.950.02
-  32.950.03
-  32.950.04
-  32.950.05

BUNNELL
32.950.01 - 32.950.05
15 cm



FISCHER
32.952.31
31 cm



32.971.24
24.5 cm



32.972.22
22 cm



PUTTI
32.973.27
27 cm



PUTTI
32.975.30
30 cm

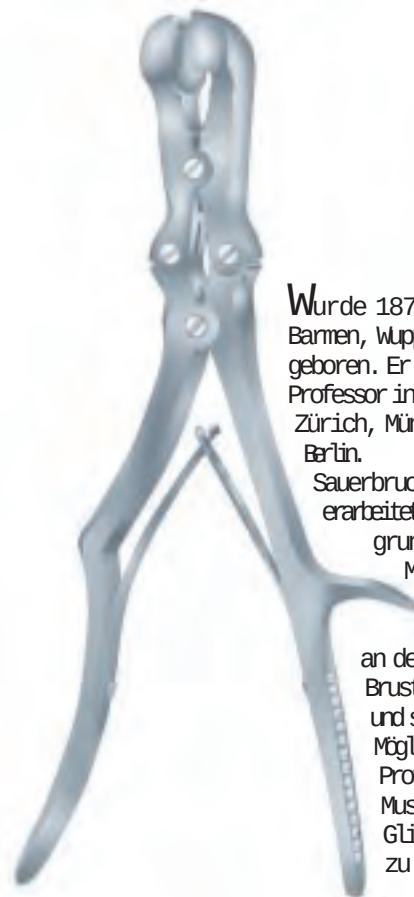




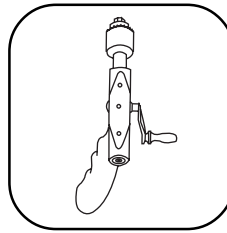
FERDINAND SAUERBRUCH
1875 - 1954

Was born in Barmen, Wuppertal, Germany in 1875. He was professor in Marburg, Zürich, Munich and Berlin. Sauerbruch developed basic methods for the thorax organ surgery. He also made movable prothesis possible, through the muscles of the stump.

Nació en 1875 en Barmen, Wuppertal, Alemania. Fue profesor en Marburg, Zürich, Munich y Berlín. Sauerbruch desarrolló métodos básicos para la intervención a órganos del tórax y creó la posibilidad de mover prótesis a través del movimiento de los músculos del muñón.

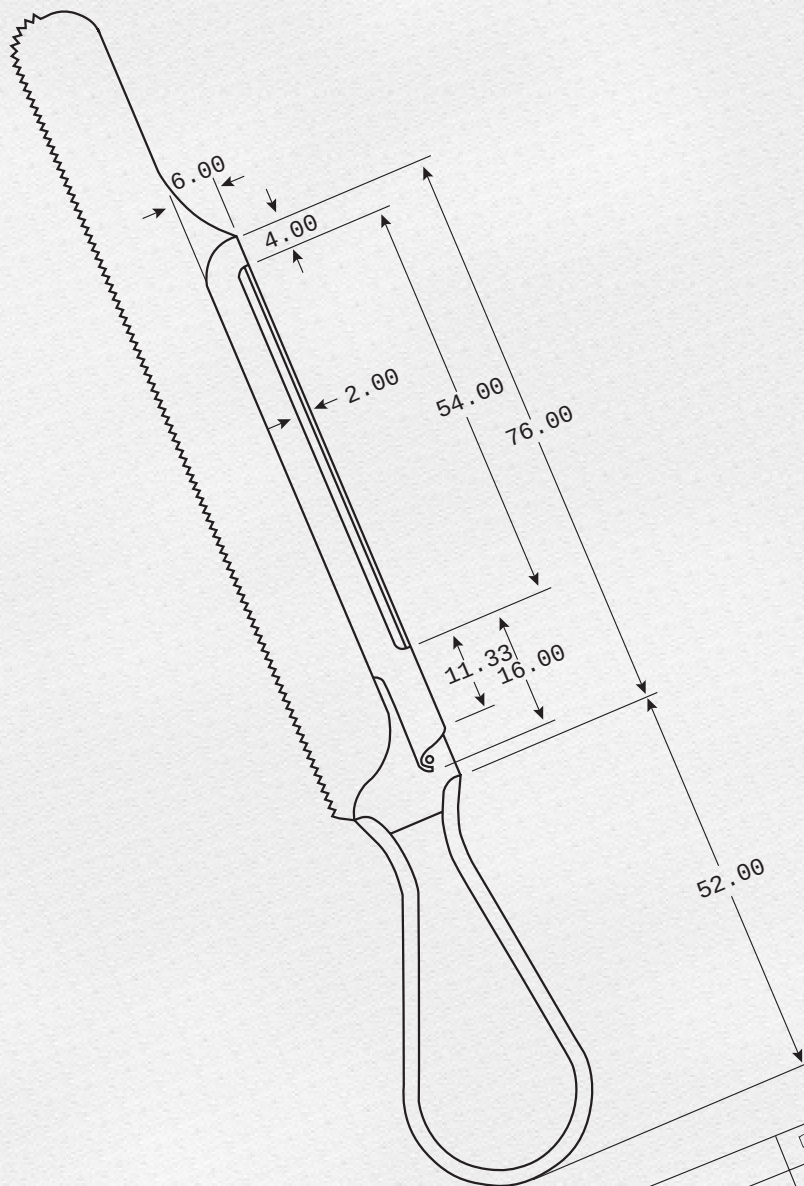


Wurde 1875 in Barmen, Wuppertal, geboren. Er war Professor in Marburg, Zürich, München und Berlin. Sauerbruch erarbeitete grundlegende Methoden für Eingriffe an den Brustorganen und schuf die Möglichkeit, Prothesen durch Muskeln des Gliedstumpfes zu bewegen.



33

Bone Surgery
Cirugía Osea
Knochenchirurgie

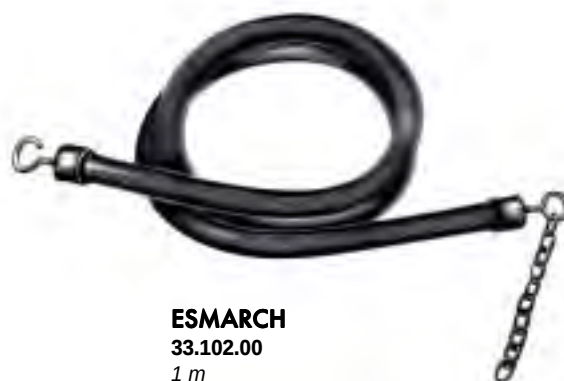


GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F		July '98	cvd/jvd	1
		July '98	cvd	1:1
		June '99	mj	mm
Stainless Steel		Artikel / artículo		
Acero inoxidable		Artikel-Nr. / No. de artículo		





33.101.01
complete



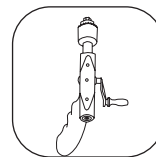
ESMARCH
33.102.00
1 m



ESMARCH
33.103.00
5 m / 6cm
33.104.00
5 m / 8cm



PERCY
33.110.00



CHARRIERE
33.112.00



33.112.03 -33.112.07
only

mm

3	33.112.03
5	33.112.05
7	33.112.07



CHARRIERE
33.116.30
30 cm



SATTERLEE
33.118.31
31 cm
33.118.99
only



LANGENBECK
33.120.23
23 cm



33.160.00
complete



33.160.01
3 pieces

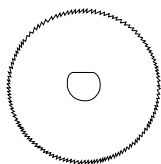


RADOLF
33.162.13
13.5 cm





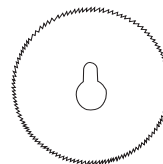
33.173.00
17 cm



33.173.01
only



33.175.00
complete
33.175.99
only



33.175.01



STILLE
33.210.20
hand piece only
20 cm



33.212.25
2.5 mm



33.212.30
3.0 mm



33.212.35
3.5 mm



33.212.40
4.0 mm



33.214.05
5.0 mm



33.214.08
8.0 mm



33.214.10
10 mm



33.214.12
12 mm



33.214.16
16 mm



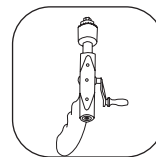
33.216.10
1.0 mm



33.216.15
1.5 mm



33.216.20
2.0 mm



STILLE SHERMAN
33.220.24
24 cm



33.222.25
2.5 cm

33.222.30
3.0 cm

33.222.35
3.5 cm



MOORE
33.230.28
28 cm



33.232.00
3 pieces



HUDSON
33.240.27
complete
33.240.99
only



33.242.09
9 mm



33.242.14
14 mm



33.242.16
16 mm



33.242.22
22 mm



CUSHING
33.244.14



33.246.00



McKENZIE
33.248.00





KIRSCHNER
33.250.00
complete



33.252.00



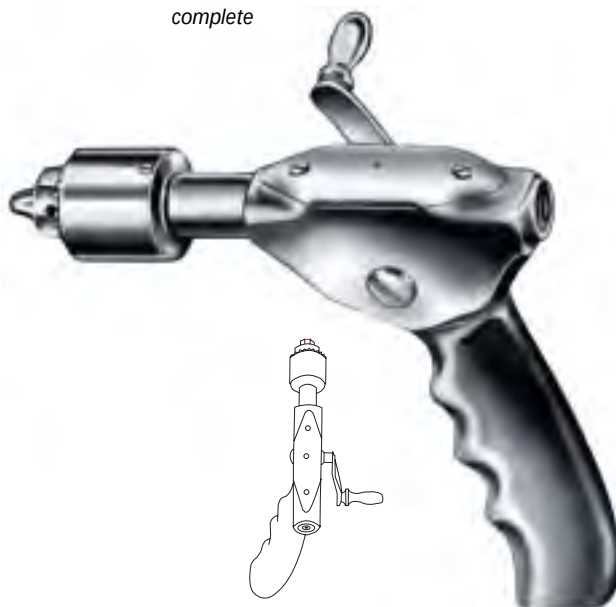
33.260.00
complete



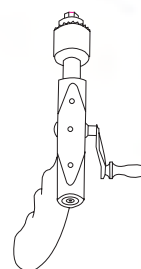
33.262.00

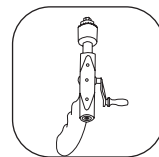


BUNNELL
33.270.00
16 cm



RALK
33.280.00





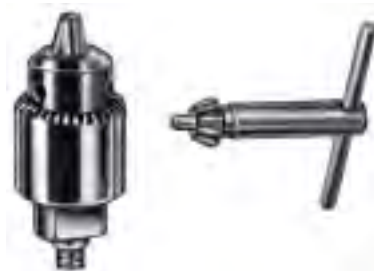
33.290.00



33.292.00



33.296.00



33.312.00
6.3 mm



electrical

33.310.00
220 V
33.310.01
110 V



33.320.30

charger unit	80-240V
input wattage	20VA
charging voltage	20V, 0.55 A
charging time	max. 1.5 h



33.320.51





electrical

33.320.10 - 33.320.11

technical data **33.320.10** **33.320.11**

voltage	12 V	12 V
capacity of battery pack	0.5 Ah	0.25 Ah
output power	Mo 25 W / Chuck-end 80 W	Mo 25 W / Chuck-end 80 W
motor torque	2.0 Nm	2.0 Nm
speed	1-1200 1 / min	1-1200 1 / min
weight	1250 g	1050 g



electrical

33.330.10

technical data

voltage	12 V
capacity of battery pack	0.5 Ah
output power	Mo 25 W / Chuck-end 80 W
motor torque	2.0 Nm
speed	1-1200 1 / min
weight	1250 g



JACOBS
33.320.55
up to 6.35 mm
33.320.60
up to 4.00 mm



33.320.65
stille shaft



33.320.70
AO - shaft

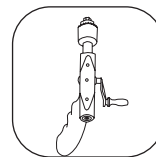


33.320.75
square - end shaft



33.320.80
osteo - shaft

33.320.97
battery for handy-grip drill for
33.320.11
33.320.98
battery for drill for 33.320.10 and
reamer for 33.330.10
33.320.99
storage and transport case



33.322.00

blades for oscillating saws
73 / 50 mm

mm

10	33.322.10
15	33.322.15
20	33.322.20
25	33.322.25
30	33.322.30



blades for oscillating saws
73 / 50 mm

mm

140	33.322.40
50	33.322.50
25	33.323.25
30	33.323.30



33.324.00



33.325.33 - 33.325.60

mm

33	33.325.33
47	33.325.47
60	33.325.60



HUDSON
33.330.45
with cone



TRINKLE
33.330.50
quick - action chuck



JACOBS
33.330.55



HUDSON
33.330.85
*quick - action chuck,
cylindrical*



33.330.90
hexagonal



33.340.00
220 V
33.340.01
110 V





33.341.01
only



33.341.03
only



33.341.50
50 mm



33.341.98



33.350.20 - 33.350.70



33.352.10 - 33.352.50



33.354.10 - 33.354.60



33.341.99

mm

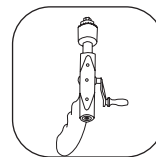
2.0	33.350.20
2.5	33.350.25
3.0	33.350.30
3.2	33.350.32
3.5	33.350.35
4.0	33.350.40
5.0	33.350.50
6.0	33.350.60
7.0	33.350.70

mm

1.0	33.352.10
1.2	33.352.12
1.5	33.352.15
1.8	33.352.18
2.0	33.352.20
2.2	33.352.22
2.8	33.352.25
2.8	33.352.28
3.0	33.352.30
3.2	33.352.32
3.5	33.352.35
4.0	33.352.40
5.0	33.352.50

mm

1.0	33.354.10
1.5	33.354.15
2.0	33.354.20
2.5	33.354.25
2.8	33.354.28
3.0	33.354.30
3.2	33.354.32
3.5	33.354.35
4.0	33.354.40
4.5	33.354.54
5.0	33.354.50
6.0	33.354.60



33.356.11
60 / 35 mm
 $\varnothing$ 1.1 mm



33.356.15
85 / 60 mm
 $\varnothing$ 1.5 mm



33.356.20 - 33.356.27
100 / 75 mm

$\varnothing$ mm

2.0	33.356.20
2.7	33.356.27



33.356.25 - 33.357.15
110 / 85 mm

$\varnothing$ mm

2.5	33.356.25
3.5	33.356.35
1.5	33.357.15



33.356.32 - 33.356.45
145 / 120 mm

$\varnothing$ mm

3.2	33.356.32
4.5	33.356.45



33.357.20 - 33.357.27
125 / 100 mm

$\varnothing$ mm

2.0	33.357.20
2.7	33.357.27



33.356.60 - 36.357.45
195 / 190 mm

$\varnothing$ mm

3.2	33.357.32
3.5	33.357.35
4.5	33.357.45
6.0	33.356.60





DOYEN
33.362.04 - 33.362.16

Ø mm

4	33.362.04
6	33.362.06
8	33.362.08
10	33.362.10
12	33.362.12
14	33.362.14
16	33.362.16



DOYEN
33.364.04 - 33.364.16

Ø mm

4	33.364.04
6	33.364.06
8	33.364.08
10	33.364.10
12	33.364.12
14	33.364.14
16	33.364.16



DOYEN
33.366.12
Ø 12 mm



33.368.08
Ø 8 mm
33.368.10
Ø 10 mm



DOYEN
33.370.12
Ø 12 mm
33.370.15
Ø 15 mm



ALBEE
33.372.08 - 33.372.12

Ø mm

8	33.372.08
10	33.372.10
12	33.372.12



ALBEE
33.374.07
Ø 7 mm



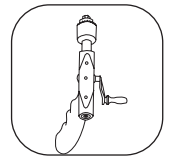
BORCHARDT
33.376.13
Ø 13 mm



33.377.25
Ø 25 mm



TOTI
33.378.08
Ø 8 mm



33.380.20 - 33.380.50

Ø mm

20	33.380.20
25	33.380.25
30	33.380.30
35	33.380.35
40	33.380.40
45	33.380.45
50	33.380.50



33.382.20 - 33.382.60

Ø mm

20	33.382.20
25	33.382.25
30	33.382.30
35	33.382.35
40	33.382.40
45	33.382.45
50	33.382.50



33.384.20 - 33.384.60

Ø mm

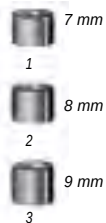
20	33.384.20
25	33.384.25
30	33.384.30
35	33.384.35
40	33.384.40
45	33.384.45
50	33.384.50



33.386.17 - 33.386.47

Ø mm

17	33.386.17
22	33.386.22
27	33.386.27
32	33.386.32
37	33.386.37
42	33.386.42
47	33.386.47



33.387.00
complete



33.388.00
set



33.390.00
complete



33.392.14
14 cm



PERTHES
33.394.21
21 cm



PERTHES
33.395.21
21 cm



33.396.05
ø 3.9 / 5 mm
33.396.08
ø 6.4 / 8 mm



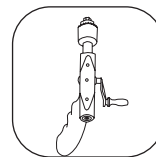
33.400.55 - 33.401.80
flexible medular cannula

mm	
5.5	33.400.55
6.0	33.400.60
6.5	33.400.65
7.0	33.400.70
7.5	33.400.75
8.0	33.400.80
8.5	33.400.85
9.0	33.400.90
9.5	33.400.95
10.0	33.401.00
10.5	33.401.05
11.0	33.401.10
11.5	33.401.15
12.0	33.401.20
12.5	33.401.25
13.0	33.401.30
13.5	33.401.35
14.0	33.401.40
14.5	33.401.45
15.0	33.401.50
15.5	33.401.55
16.0	33.401.60
16.5	33.401.65
17.0	33.401.70
17.5	33.401.75
18.0	33.401.80



33.402.06 - 33.402.20
flexible medular cannula

mm	
6	33.402.06
7	33.402.07
8	33.402.08
9	33.402.09
10	33.402.10
11	33.402.11
12	33.402.12
13	33.402.13
14	33.402.14
15	33.402.15
16	33.402.16
17	33.402.17
18	33.402.18
19	33.402.19
20	33.402.20



KIRSCHNER
33.406.10 - 33.431.25
trocar tip

ø mm	60 mm	120 mm	140 mm	160 mm	310 mm
1.0	33.406.10	33.412.10	33.414.10	33.416.10	33.431.10
1.2	33.406.12	33.412.12	33.414.12	33.416.12	33.431.12
1.4	33.406.14	33.412.14	33.414.14	33.416.14	33.431.14
1.5	33.406.15	33.412.15	33.414.15	33.416.15	33.431.15
1.6	33.406.16	33.412.16	33.414.16	33.416.16	33.431.16
1.8	33.406.18	33.412.18	33.414.18	33.416.18	33.431.18
2.0	33.406.20	33.412.20	33.414.20	33.416.20	33.431.20
2.2	33.406.22	33.412.22	33.414.22	33.416.22	33.431.22
2.5	33.406.25			33.416.25	33.431.25



KIRSCHNER
33.432.10 - 33.432.25
lancet tip

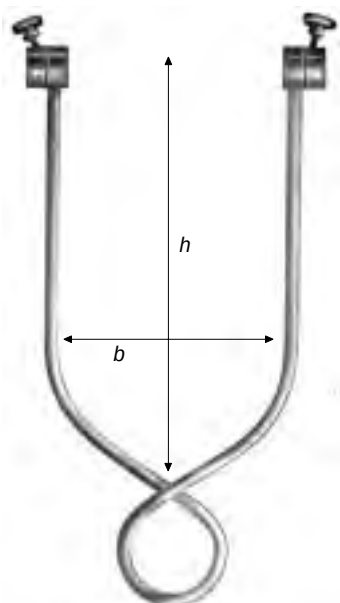
ø mm	310 mm
1.0	33.432.10
1.2	33.432.12
1.5	33.432.15
1.6	33.432.16
1.8	33.432.18
2.0	33.432.20
2.2	33.432.22
2.5	33.432.25



STEINMANN
33.490.13 - 33.490.25
pin

mm	
130	33.490.13
140	33.490.14
150	33.490.15
160	33.490.16
180	33.490.18
200	33.490.20
210	33.490.21
230	33.490.23
250	33.490.25





BOEHLER
33.502.16 - 33.502.21

h x b cm

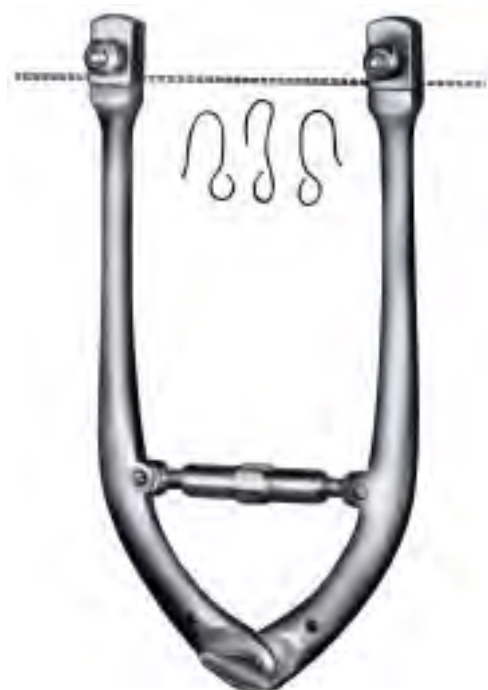
16 x 9	33.502.16
21 x 11	33.502.21



KIRSCHNER
33.512.06 - 33.512.20

h x b cm

6.0 x 5.0	33.512.06
9.5 x 7.0	33.512.09
10.5 x 10.5	33.512.10
9.5 x 11.0	33.512.11
12.0 x 12.0	33.512.12
13.5 x 13.0	33.512.13
15.5 x 15.5	33.512.15
20.0 x 15.5	33.512.20



33.514.18 - 33.514.27

h x b cm

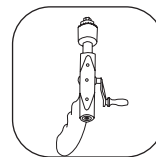
18 x 10	33.514.18
27 x 16	33.514.27



33.515.01



33.515.02



KIRSCHNER U.S.
33.518.01 - 33.518.03

size

small	33.518.01
large	33.518.02
extra large	33.518.03



33.519.01
small
33.519.02
large



33.522.01 - 33.522.03

size

small	33.522.01
medium	33.522.02
large	33.522.03



33.528.01
16 cm



33.529.45
L= 45 mm
33.529.70
L= 70 mm
23 cm



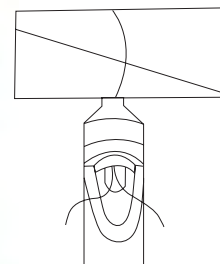
33.530.02 - 33.530.15

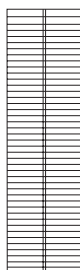
ø mm

0.2	33.530.02
0.3	33.530.03
0.4	33.530.04
0.5	33.530.05
0.6	33.530.06
0.7	33.530.07
0.8	33.530.08
0.9	33.530.09
1.0	33.530.10
1.1	33.530.11
1.2	33.530.12
1.5	33.530.15

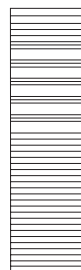


LOUTE
33.531.21
21 cm

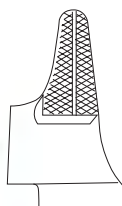




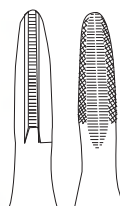
33.532.17
17 cm



grip
33.533.18
18 cm



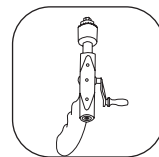
33.534.15
15 cm



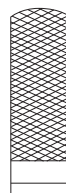
33.535.13
13 cm
33.535.18
18 cm



33.536.14
14 cm



33.536.19
19 cm



33.537.01
18 cm



cm

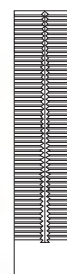
18.0	33.537.02
18.0	33.537.03
14.5	33.537.04

33.537.02 - 33.537.04



33.538.02
17 cm
longitudinal and
transversal grooves

33.538.01
17 cm
serrated jaws



33.538.18
18 cm





33.539.18
18 cm



33.540.16
16 cm



33.541.22
22 cm



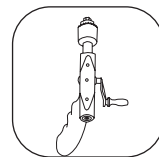
33.542.15
15 cm



33.544.14
14.5 cm

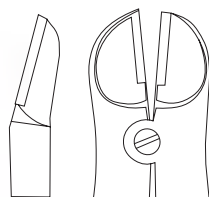


33.545.16 TC
16 cm



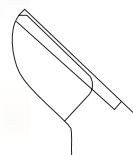
33.545.18 TC

18 cm



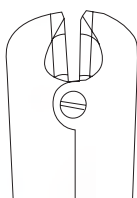
33.545.22 TC

22 cm



33.546.18

18 cm



REILL

33.547.17

17.5 cm



33.548.23 TC

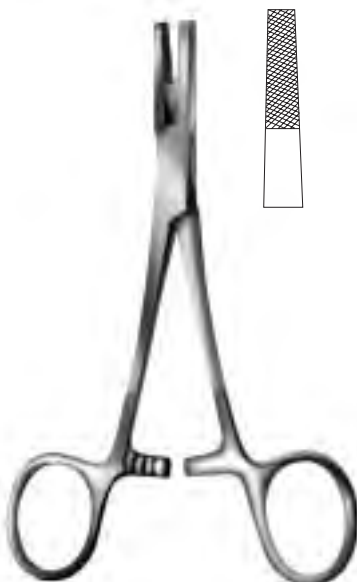
23.5 cm





33.552.17 TC

17 cm



NIRO

33.554.15 TC

15 cm



33.555.24

24 cm



JEWET

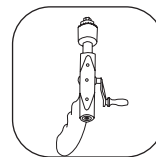
33.558.00

20 cm



33.556.47

47 cm



33.560.24 - 33.560.64

Ø mm

2.4	33.560.24
3.2	33.560.32
4.8	33.560.48
6.4	33.560.64



33.562.24 - 33.562.64

Ø mm

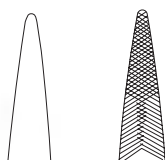
2.4	33.562.24
3.2	33.562.32
4.8	33.562.48
6.4	33.562.64



33.568.14
14 cm



33.569.14
14 cm



KUENTSCHER
33.571.26 - 33.572.26
26 cm

mm

8	33.571.26
10	33.572.26



KUENTSCHER
33.573.35
35 cm





ø mm	35 cm	46 cm	60 cm
2.5	33.581.35	33.581.46	
3.0	33.582.35	33.582.46	33.582.60
3.5	33.583.35	33.583.46	33.583.60
4.0	33.584.35	33.584.46	33.584.60
4.5	33.585.35	33.585.46	33.585.60



33.586.21
21 cm



KUENSTCHER
33.587.13 · 33.587.21



KUENSTCHER
33.588.21
21 cm



KUENSTCHER
33.590.00
63 cm



33.590.01



33.590.02



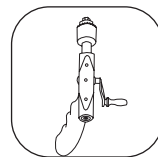
33.590.03



33.590.04

mm

12.7	33.587.13
17.0	33.587.17
21.0	33.587.21



33.596.29 - 33.596.49

cm

29	33.596.29
37	33.596.37
42	33.596.42
49	33.596.49



33.598.30
30 cm



LLOYD
33.602.20
20 cm



WILIAMS
33.624.24
24 cm



33.608.80
ø 8 mm



33.628.15 - 33.628.35

mm

1.5	33.628.15
2.5	33.628.25
3.5	33.628.35



LANE
33.620.25
25 cm

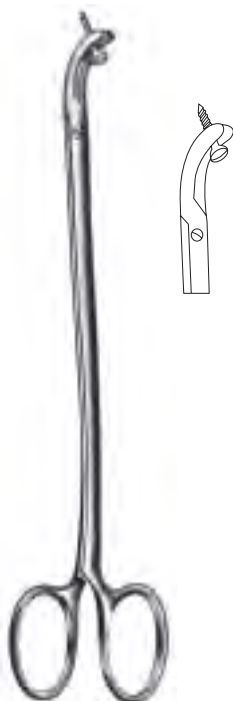




33.630.25
ø 2.5 mm



LANE
33.632.25
25 cm



LANE
33.635.18
18 cm



LANE
33.637.23
23 cm



LANE
33.639.22
22 cm



LANE
33.640.18
18 cm



33.642.00
12 cm



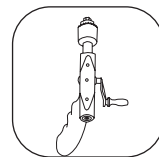
33.643.01
14.5 cm



33.643.02
14.5 cm



33.645.00
24 cm



JEWETT
33.647.01
20 cm



JEWETT
33.647.02
20 cm



33.650.14
14 cm



33.653.25
22 cm



33.658.23
29 cm





33.670.00



33.674.09 - 33.676.08

holes	mm	
5	90	33.674.09
7	120	33.674.12
9	150	33.674.15
12	200	33.674.20
5	60	33.676.06
7	85	33.676.08



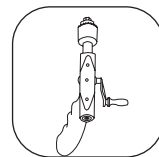
33.802.45
 $\varnothing$ 4.5 mm
33.802.70
 $\varnothing$ 7.0 mm



33.810.05
 $\varnothing$ 5 mm



33.812.45
 $\varnothing$ 4.5 mm
33.812.70
 $\varnothing$ 7.0 mm



33.816.25 - 33.816.50

ø mm

2.5	33.816.25
3.5	33.816.35
5.0	33.816.50



33.820.00



33.820.11
ø 1 mm



33.822.20
ø 2.0 mm



33.824.32
ø 3.2 mm



33.826.45
ø 4.5 mm



33.827.00
14 cm



33.828.00
22 cm
33.828.01
extra large



33.829.01
22 cm



33.830.15 - 33.834.45

mm

1.5		33.830.15
2.0		33.830.20
2.7		33.830.27
3.5	cortical	33.830.35
4.5	short	33.830.45
2.0	extra large	33.832.20
2.7	extra large	33.832.27
4.5	large	33.832.45
4.5	extra large	33.834.45





33.839.09
8 cm



33.840.35
ø 3.5 mm
33.840.65
ø 6.5 mm



33.842.20 - 33.842.35

mm

2.0	33.842.20
2.7	33.842.27
3.5	33.842.35



33.864.00



33.866.00
8.5 cm



33.868.00
10.5 cm



33.870.15
ø 1.1 / 1.5 mm



33.872.20
ø 2 / 2 mm



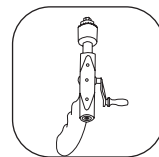
33.874.27 - 33.875.35

mm/mm

2.7 / 2.0	33.874.27
3.5 / 2.0	33.874.35
4.5 / 3.2	33.874.45
3.5 / 2.7	33.875.35



33.880.35
ø 3.5 mm



33.880.45
 ø 3.5 mm



33.881.35
 ø 3.5 mm



33.881.45
 15 cm



33.885.35
 3.5 mm
33.885.65
 6.5 mm



33.887.35
 ø 3.0 / 3.5 mm



33.889.45
 ø 4.5 mm



33.900.01
 only
33.900.02
 with 2 conectors



33.900.03 - 33.900.05
 mm

300	33.900.03
400	33.900.04
500	33.900.05



33.900.11



33.900.21



33.900.99





Johann Wechtlin
1517

Amputation of a Leg (Serratura)

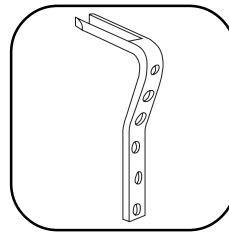
In this image the standing figure wears a moistened animal bladder over his arm stump and wears the Greek letter tau to indicate that he suffered from St. Anthony's fire.

Amputación de una pierna (Serratura)

En esta imagen la figura que está de pie trae una vejiga de un animal humedecida como vendaje sobre su muñón. Con la letra griega tau manifiesta el sufrimiento que tuvo a causa del fuego de San Antonio.

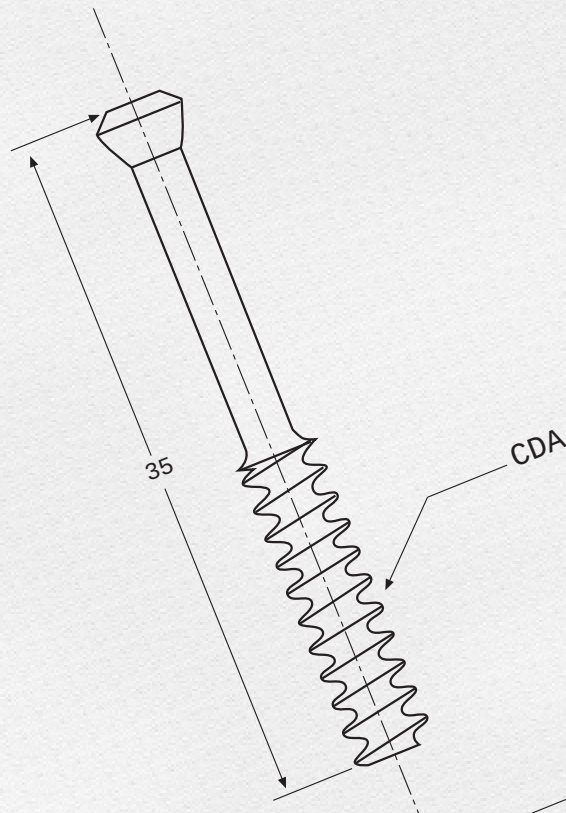
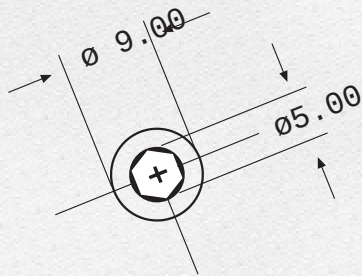
Beinamputation (Serratura)

Die stehende Figur trägt auf dem Armstumpf eine angefeuchtete Blase von einem Tier, die als Verband dienen soll. Mit dem griechischen Buchstaben tau wird darauf hingewiesen, dass der Träger an der St. Anthony's Krankheit, einem Wundbrand leidet.



36

Osteosynthesis
Osteosíntesis
Osteosynthese



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F		July '98	cvd/jvd	1
		July '98	cvd	Maasstab / escala 1:1
		June '99	mj	Abt. / acot. mm
Stainless Steel		Artikel / artículo		
Acero inoxidable		Artikel-Nr. / No. de artículo		

 **DEWIMED®**

351





36.002.00 - 36.006.43
intramedullary, pins, round,
with hook

set complete
ø mm pieces

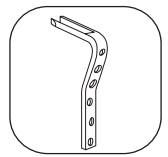
2.4	13	36.002.00
3.2	13	36.003.00
4.8	9	36.004.00
6.4	9	36.006.00

mm	ø 2.4 mm
25	36.002.25
30	36.002.30
40	36.002.40
45	36.002.45
50	36.002.50
60	36.002.60
65	36.002.65
70	36.002.70
75	36.002.75
85	36.002.85
90	36.002.90
95	36.002.95
100	36.002.99

mm	ø 3.2 mm
100	36.003.10
120	36.003.12
130	36.003.13
140	36.003.14
150	36.003.15
160	36.003.16
180	36.003.18
190	36.003.19
200	36.003.20
210	36.003.21
230	36.003.23
240	36.003.24
250	36.003.25

mm	ø 4.8 mm
200	36.004.20
220	36.004.22
240	36.004.24
260	36.004.26
280	36.004.28
300	36.004.30
320	36.004.32
340	36.004.34
360	36.004.36

mm	ø 6.4 mm
280	36.006.28
290	36.006.29
320	36.006.32
340	36.006.34
360	36.006.36
370	36.006.37
390	36.006.39
410	36.006.41
430	36.006.43



KUENTSCHER

36.016.14 - 37.026.48

intramedullary nails, femur

mm	ø 6 mm	ø 7 mm	ø 8 mm	ø 9 mm	ø 10 mm	ø 11 mm	ø 12 mm	ø 13 mm	ø 14 mm	ø 15 mm	ø 16 mm
140	36.016.14	36.017.14									
160	36.016.16	36.017.16									
180	36.016.18	36.017.18									
200	36.016.20	36.017.20									
220	36.016.22	36.017.22									
240	36.016.24	36.017.24	36.018.24								
260	36.016.26	36.017.26	36.018.26								
280	36.016.28	36.017.28	36.018.28								
300	36.016.30	36.017.30	36.018.30	36.019.30	36.020.30	36.021.30					
320	36.016.32	36.017.32	36.018.32	36.019.32	36.020.32	36.021.32					
340	36.016.34	36.017.34	36.018.34	36.019.34	36.020.34	36.021.34	36.022.34	36.023.34	36.024.34		
350					36.020.35		36.022.35	36.023.35			
360	36.016.36	36.017.36	36.018.36	36.019.36	36.020.36	36.021.36	36.022.36	36.023.36	36.024.36	36.025.36	36.026.36
370					36.020.37	36.021.37	36.022.37	36.023.37			
380		36.017.38	36.018.38	36.019.38	36.020.38	36.021.38	36.022.38	36.023.38	36.024.38	36.025.38	36.026.38
390					36.020.39	36.021.39	36.022.39	36.023.39	36.024.39		
400		36.017.40	36.018.40	36.019.40	36.020.40	36.021.40	36.022.40	36.023.40	36.024.40	36.025.40	36.026.40
410					36.020.41	36.021.41	36.022.41	36.023.41			
420		36.017.42	36.018.42	36.019.42	36.020.42	36.021.42	36.022.42	36.023.42	36.024.42	36.025.42	36.026.42
430						36.021.43		36.023.43			
440		36.017.44	36.018.44	36.019.44	36.020.44	36.021.44	36.022.44	36.023.44	36.024.44	36.025.44	36.026.44
460		36.017.46	36.018.46	36.019.46	36.020.46	36.021.46	36.022.46	36.023.46	36.024.46	36.025.46	36.026.46
480		36.017.48	36.018.48	36.019.48	36.020.48	36.021.48	36.022.48	36.023.48	36.024.48	36.025.48	36.026.48
500		36.017.50	36.018.50	36.019.50	36.020.50	36.021.50	36.022.50	36.023.50	36.024.50		
520				36.019.52	36.020.52	36.021.52	36.022.52	36.023.52	36.024.52		

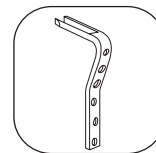


KUENTSCHER

36.036.18 - 36.044.40

intramedullary nails for Tibia and Humerus

mm	ø 6 mm	ø 7 mm	ø 8 mm	ø 9 mm	ø 10 mm	ø 11 mm	ø 12 mm	ø 13 mm	ø 14 mm
180	36.036.18	36.037.18	36.038.18	36.039.18	36.040.18	36.041.18			
190		36.037.19	36.038.19	36.039.19	36.040.19	36.041.19			
200	36.036.20	36.037.20	36.038.20	36.039.20	36.040.20	36.041.20			
210		36.037.21	36.038.21	36.039.21	36.040.21	36.041.21			
220	36.036.22	36.037.22	36.038.22	36.039.22	36.040.22	36.041.22			
230		36.037.23	36.038.23	36.039.23	36.040.23	36.041.23			
240	36.036.24	36.037.24	36.038.24	36.039.24	36.040.24	36.041.24	36.042.24		
250		36.037.25	36.038.25	36.039.25	36.040.25	36.041.25	36.042.25		
260	36.036.26	36.037.26	36.038.26	36.039.26	36.040.26	36.041.26	36.042.26		
270		36.037.27	36.038.27	36.039.27	36.040.27	36.041.27	36.042.27	36.043.27	
280	36.036.28	36.037.28	36.038.28	36.039.28	36.040.28	36.041.28	36.042.28	36.043.28	36.044.28
290		36.037.29	36.038.29	36.039.29	36.040.29	36.041.29	36.042.29	36.043.29	36.044.29
300	36.036.30	36.037.30	36.038.30	36.039.30	36.040.30	36.041.30	36.042.30	36.043.30	36.044.30
310		36.037.31	36.038.31	36.039.31	36.040.31	36.041.31	36.042.31	36.043.31	36.044.31
320		36.037.32	36.038.32	36.039.32	36.040.32	36.041.32	36.042.32	36.043.32	36.044.32
330		36.037.33	36.038.33	36.039.33	36.040.33	36.041.33	36.042.33	36.043.33	36.044.33
340		36.037.34	36.038.34	36.039.34	36.040.34	36.041.34	36.042.34	36.043.34	36.044.34
350		36.037.35	36.038.35	36.039.35	36.040.35	36.041.35	36.042.35	36.043.35	36.044.35
360		36.037.36	36.038.36	36.039.36	36.040.36	36.041.36	36.042.36	36.043.36	36.044.36
370		36.037.37	36.038.37	36.039.37	36.040.37	36.041.37	36.042.37	36.043.37	36.044.37
380		36.037.38	36.038.38	36.039.38	36.040.38	36.041.38	36.042.38	36.043.38	36.044.38
390			36.038.39	36.039.39	36.040.39	36.041.39	36.042.39	36.043.39	36.044.39
400			36.038.40	36.039.40	36.040.40	36.041.40	36.042.40	36.043.40	36.044.40



36.049.01



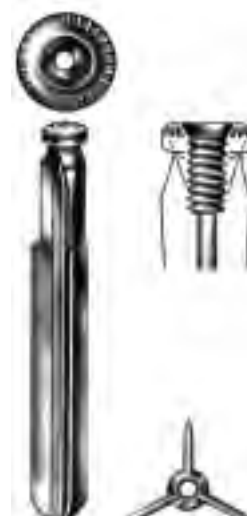
36.049.02



SMITH PETERSEN
36.050.60 - 36.051.70

mm

60	36.050.60
65	36.050.65
70	36.050.70
75	36.050.75
80	36.050.80
85	36.050.85
90	36.050.90
95	36.050.95
100	36.051.00
105	36.051.05
110	36.051.10
115	36.051.15
120	36.051.20
125	36.051.25
130	36.051.30
135	36.051.35
140	36.051.40
145	36.051.45
150	36.051.50
160	36.051.60
170	36.051.70



BOEHLER
36.060.80 - 36.061.50

mm

80	36.060.80
85	36.060.85
90	36.060.90
95	36.060.95
100	36.061.00
105	36.061.05
110	36.061.10
115	36.061.15
120	36.061.20
130	36.061.30
140	36.061.40
150	36.061.50



holes

3	36.062.03
5	36.062.05
7	36.062.07
12	36.062.12

McLAUGHLIN
36.062.03 - 36.062.12

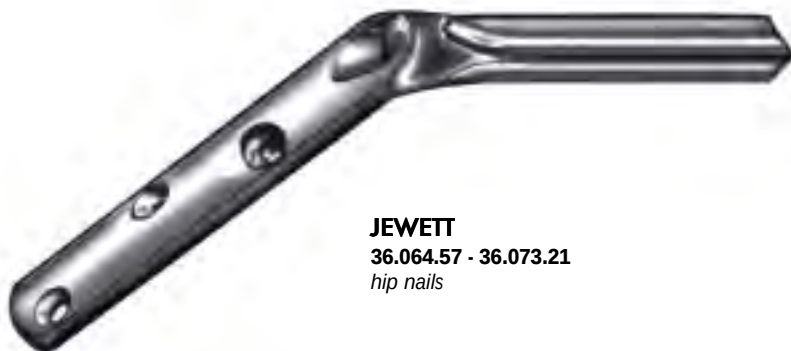


holes

3	36.063.03
4	36.063.04
5	36.063.05
6	36.063.06
7	36.063.07

SMITH PETERSEN
36.063.03 - 36.063.07





JEWETT
36.064.57 - 36.073.21
hip nails

90 mm large
 3 holes
 mm

57	36.064.57
63	36.064.63
70	36.064.70
76	36.064.76
82	36.064.82
89	36.064.89
95	36.064.95
102	36.065.02
108	36.065.08
114	36.065.14
121	36.065.21

130 mm large
 5 holes
 mm

57	36.066.57
63	36.066.63
70	36.066.70
76	36.066.76
82	36.066.82
89	36.066.89
95	36.066.95
102	36.067.02
108	36.067.08
114	36.067.14
121	36.067.21

165 mm large
 7 holes
 mm

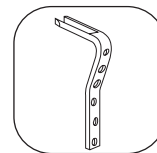
57	36.068.57
63	36.068.63
70	36.068.70
76	36.068.76
82	36.068.82
89	36.068.89
95	36.068.95
102	36.069.02
108	36.069.08
114	36.069.14
121	36.069.21

220 mm large
 10 holes
 mm

57	36.070.57
63	36.070.63
70	36.070.70
76	36.070.76
82	36.070.82
89	36.070.89
95	36.070.95
102	36.071.02
108	36.071.08
114	36.071.14
121	36.071.21

260 mm large
 12 holes
 mm

57	36.072.57
63	36.072.63
70	36.072.70
76	36.072.76
82	36.072.82
89	36.072.89
95	36.072.95
102	36.073.02
108	36.073.08
114	36.073.14
121	36.073.21



36.080.04 - 36.087.12
dynamic hip screws and plates

135°
holes

	rounds holes	sliding holes
2	36.080.02	36.084.02
4	36.080.04	36.084.04
5	36.080.05	36.084.05
6	36.080.06	36.084.06
8	36.080.08	36.084.08
10	36.080.10	36.084.10
12	36.080.12	36.084.12
14	36.080.14	36.084.14
16	36.080.16	36.084.16

140°
holes

	rounds holes	sliding holes
4	36.081.04	36.085.04
5	36.081.05	36.085.05
6	36.081.06	36.085.06

145°
holes

	rounds holes	sliding holes
4	36.082.04	36.086.04
5	36.082.05	36.086.05
6	36.082.06	36.086.06

150°
holes

	rounds holes	sliding holes
2	36.083.02	36.087.02
4	36.083.04	36.087.04
5	36.083.05	36.087.05
6	36.083.06	36.087.06
8	36.083.08	36.087.08
10	36.083.10	36.087.10
12	36.083.12	36.087.12



36.088.50 - 36.089.45

mm

50	36.088.50
55	36.088.55
60	36.088.60
65	36.088.65
70	36.088.70
75	36.088.75
80	36.088.80
85	36.088.85
90	36.088.90
95	36.088.95
100	36.089.00
105	36.089.05
110	36.089.10
115	36.089.15
120	36.089.20
125	36.089.25
130	36.089.30
135	36.089.35
140	36.089.40
145	36.089.45

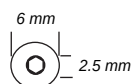


36.090.36
36 mm



PALMER
36.094.15 - 36.094.70

mm	1.5 mm
15	36.094.15
20	36.094.20
25	36.094.25
30	36.094.30
35	36.094.35
40	36.094.40
45	36.094.45
50	36.094.50
55	36.094.55
60	36.094.60
65	36.094.65
70	36.094.70

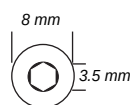
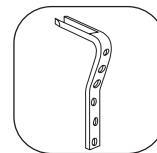


1.3 mm



cannulated screw

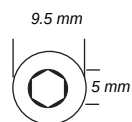
mm	Navicular ø / 4.0 mm
10	36.107.10
12	36.107.12
14	36.107.14
16	36.107.16
18	36.107.18
20	36.107.20
22	36.107.22
24	36.107.24
26	36.107.26
28	36.107.28
30	36.107.30



cannulated screw

Malleolar
ø 4.5 mm

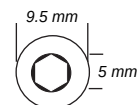
mm	
25	36.115.25
30	36.115.30
35	36.115.35
40	36.115.40
45	36.115.45
50	36.115.50
55	36.115.55



cannulated screw

thread=16
ø 7 mm

mm	
25	36.116.25
30	36.116.30
35	36.116.35
40	36.116.40
45	36.116.45
50	36.116.50
55	36.116.55
60	36.116.60
65	36.116.65
70	36.116.70
75	36.116.75
80	36.116.80
85	36.116.85
90	36.116.90
95	36.116.95
100	36.117.00
105	36.117.05
110	36.117.10
115	36.117.15
120	36.117.20



cannulated screw

thread=32
ø 7 mm

mm	
35	36.118.35
40	36.118.40
45	36.118.45
50	36.118.50
55	36.118.55
60	36.118.60
65	36.118.65
70	36.118.70
75	36.118.75
80	36.118.80
85	36.118.85
90	36.118.90
95	36.118.95
100	36.119.00
105	36.119.05
110	36.119.10
115	36.119.15
120	36.119.20



washer for cannulated
mm

8	36.120.08
7	36.120.13
7	36.120.16
7	36.120.19





3 mm



Corticalis mini

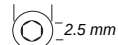


4 mm



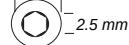
Corticalis mini
DIN 58812
ISO 5835/1

5 mm



Corticalis small
DIN 58812
ISO 5835/1

6 mm



Corticalis small
DIN 58812
ISO 5835/1

mm	1.5 mm
6	36.200.06
7	36.200.07
8	36.200.08
9	36.200.09
10	36.200.10
11	36.200.11
12	36.200.12
14	36.200.14
16	36.200.16

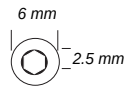
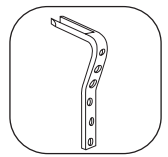
mm	2.0 mm
6	36.201.06
8	36.201.08
10	36.201.10
12	36.201.12
14	36.201.14
16	36.201.16
18	36.201.18
20	36.201.20

mm	2.7 mm
6	36.202.06
8	36.202.08
10	36.202.10
12	36.202.12
14	36.202.14
16	36.202.16
18	36.202.18
20	36.202.20
22	36.202.22
24	36.202.24
26	36.202.26
28	36.202.28
32	36.202.32

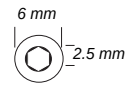
mm	3.5 mm
10	36.204.10
12	36.204.12
14	36.204.14
16	36.204.16
18	36.204.18
20	36.204.20
22	36.204.22
24	36.204.24
26	36.204.26
28	36.204.28
30	36.204.30
32	36.204.32
36	36.204.36
40	36.204.40
45	36.204.45
50	36.204.50



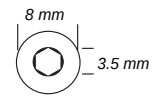
36.209.97
washer
7 mm



Cancellous small
DIN 58815
ISO 5835/1



Cancellous small
DIN 58815
ISO 5835/1



Corticalis

mm	3.5 mm
10	36.206.10
12	36.206.12
14	36.206.14
16	36.206.16
18	36.206.18
20	36.206.20
22	36.206.22
24	36.206.24
26	36.206.26
28	36.206.28
30	36.206.30
32	36.206.32
36	36.206.36
40	36.206.40
45	36.206.45
50	36.206.50
55	36.206.55
60	36.206.60

mm / mm	4.0 mm
10 / 5	36.207.10
12 / 5	36.207.12
14 / 5	36.207.14
16 / 6	36.207.16
18 / 7	36.207.18
20 / 8	36.207.20
22 / 9	36.207.22
24 / 10	36.207.24
26 / 12	36.207.26
28 / 14	36.207.28
30 / 14	36.207.30
35 / 14	36.207.35
40 / 14	36.207.40
45 / 15	36.207.45
50 / 15	36.207.50

mm	4.5 mm
14	36.214.14
16	36.214.16
18	36.214.18
20	36.214.20
22	36.214.22
24	36.214.24
26	36.214.26
28	36.214.28
30	36.214.30
32	36.214.32
34	36.214.34
36	36.214.36
38	36.214.38
40	36.214.40
42	36.214.42
44	36.214.44
46	36.214.46
48	36.214.48
50	36.214.50
52	36.214.52
56	36.214.56
60	36.214.60
64	36.214.64
70	36.214.70





mm / mm	4.5 mm
25 / 12	36.215.25
30 / 15	36.215.30
35 / 18	36.215.35
40 / 20	36.215.40
45 / 22	36.215.45
50 / 24	36.215.50
55 / 26	36.215.55
60 / 28	36.215.60
65 / 30	36.215.65
70 / 32	36.215.70

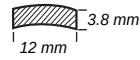
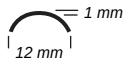
mm	thread=16 6.5 mm
30	36.216.30
35	36.216.35
40	36.216.40
45	36.216.45
50	36.216.50
55	36.216.55
60	36.216.60
65	36.216.65
70	36.216.70
75	36.216.75
80	36.216.80
85	36.216.85
90	36.216.90
95	36.216.95
100	36.216.00
105	36.216.05
110	36.216.10

mm	thread=32 6.5 mm
45	36.217.45
50	36.217.50
55	36.217.55
60	36.217.60
65	36.217.65
70	36.217.70
75	36.217.75
80	36.217.80
85	36.217.85
90	36.217.90
95	36.217.95
100	36.217.00
105	36.217.05
110	36.217.10

mm	complete thread 6.5 mm
25	36.218.25
30	36.218.30
35	36.218.35
40	36.218.40
45	36.218.45
50	36.218.50
55	36.218.55
60	36.218.60
65	36.218.65
70	36.218.70
75	36.218.75
80	36.218.80
85	36.218.85
90	36.218.90
95	36.218.95
100	36.218.00
105	36.218.05
110	36.218.10



mm	
7	36.219.98
11	36.219.97
13	36.219.99



36.222.02 - 36.022.12
*1/2 tubular plates
round holes*

mm	holes	
39	2	36.222.02
55	3	36.222.03
71	4	36.222.04
87	5	36.222.05
103	6	36.222.06
119	7	36.222.07
135	8	36.222.08
151	9	36.222.09
167	10	36.222.10
183	11	36.222.11
199	12	36.222.12



36.223.02 - 36.223.16
*narrow plates
round holes*



36.224.02 - 36.224.16
*narrow plates
gliding holes*

mm	holes	rounds holes	gliding holes
39	2	36.223.02	36.224.02
55	3	36.223.03	36.224.03
71	4	36.223.04	36.224.04
87	5	36.223.05	36.224.05
103	6	36.223.06	36.224.06
119	7	36.223.07	36.224.07
135	8	36.223.08	36.224.08
151	9	36.223.09	36.224.09
167	10	36.223.10	36.224.10
183	11	36.223.11	36.224.11
199	12	36.223.12	36.224.12
215	13	36.223.13	36.224.13
231	14	36.223.14	36.224.14
247	15	36.223.15	36.224.15
263	16	36.223.16	36.224.16



36.225.06 - 36.225.18
broad plates
round holes



36.226.05 - 36.226.18
broad plates
gliding holes



36.231.20 - 36.237.96
condylar plates 95°



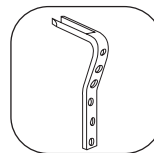
92 mm/mm	round holes	gliding holes
50	36.231.20	36.237.20
60	36.231.22	36.237.22
70	36.231.24	36.237.24
80	36.231.26	36.237.26

124 mm/mm	round holes	gliding holes
50	36.231.50	36.237.50
60	36.231.52	36.237.52
70	36.231.54	36.237.54
80	36.231.56	36.237.56

156 mm/mm	round holes	gliding holes
50	36.231.70	36.237.70
60	36.231.72	36.237.72
70	36.231.74	36.237.74
80	36.231.76	36.237.76

204 mm/mm	round holes	gliding holes
50	36.231.90	36.237.90
60	36.231.92	36.237.92
70	36.231.94	36.237.94
80	36.231.96	36.237.96

mm	holes	rounds holes	gliding holes
87			36.226.05
103	6	36.225.06	36.226.06
119	7	36.225.07	36.226.07
135	8	36.225.08	36.226.08
151	9	36.225.09	36.226.09
167	10	36.225.10	36.226.10
199	12	36.225.12	36.226.12
231	14	36.225.14	36.226.14
263	16	36.225.16	36.226.16
295	18	36.225.18	36.226.18



36.233.36 - 36.238.98
angular plates 130°

60 mm/mm round holes gliding holes

50	36.233.36	36.238.36
60	36.233.38	36.228.38
70	36.233.44	36.238.44
75	36.233.45	36.238.45
80	36.233.46	36.238.46
85	36.233.47	36.238.47
90	36.233.48	36.238.48
95	36.233.49	36.238.49
100	36.233.40	36.238.40
105	36.233.41	36.238.41
110	36.233.42	36.238.42

104 mm/mm round holes gliding holes

50	36.233.60	36.238.60
60	36.233.62	36.238.62
70	36.233.64	36.238.64
80	36.233.66	36.238.66
90	36.233.68	36.238.68

152mm/mm round holes gliding holes

70	36.233.94	36.238.94
80	36.233.96	36.238.96
90	36.233.98	36.238.98

200 mm/mm round holes gliding holes

70	36.233.24	36.238.24
80	36.233.26	36.238.26
90	36.233.28	36.238.28



36.239.70 - 39.240.10
plates with round holes 130°

1 hole

70	36.239.70
75	36.239.75
80	36.239.80
85	36.239.85
90	36.239.90
95	36.239.95
100	36.240.00
105	36.240.05
110	36.240.10



36.241.02 - 36.241.08
1/3 tubular plates

mm holes

25	2	36.241.02
37	3	36.241.03
49	4	36.241.04
61	5	36.241.05
73	6	36.241.06
85	7	36.241.07
97	8	36.241.08



36.242.13 - 36.242.18
1/4 tubular plates

mm holes

23	3	36.242.13
31	4	36.242.14
39	5	36.242.15
47	6	36.242.16
55	7	36.242.17
63	8	36.242.18



36.242.31



36.242.32



36.242.33



36.242.34



36.242.41



36.243.13 - 36.243.16
straigh mini plates



36.243.31



36.243.32



36.243.33



36.243.34



36.243.41

mm holes

17	3	36.243.13
23	4	36.243.14
29	5	36.243.15
35	6	36.243.16



36.244.02 - 36.244.22
small fragment plates

mm holes

20	2	36.244.02
36	4	36.244.04
44	5	36.244.05
52	6	36.244.06
60	7	36.244.07
68	8	36.244.08
76	9	36.244.09
84	10	36.244.10
100	12	36.244.12
26	2	36.244.22



36.248.02 - 36.248.12
small fragment plates

mm holes

25	2	36.248.02
37	3	36.248.03
49	4	36.248.04
61	5	36.248.05
73	6	36.248.06
85	7	36.248.07
97	8	36.248.08
121	10	36.248.10
145	12	36.248.12



36.251.00



36.251.10



36.252.01



36.252.02



36.252.03



36.252.04



36.252.05



36.252.06



36.252.65



36.252.07



36.252.08



36.252.10



36.252.11



36.252.12



SHERMAN

36.256.10 - 36.256.99
ø 4 mm

mm

10	36.256.10
13	36.256.13
16	36.256.16
19	36.256.19
22	36.256.22
25	36.256.25
29	36.256.29
31	36.256.32
35	36.256.35
38	36.256.38
41	36.256.41
45	36.256.45
50	36.256.50
57	36.256.57
63	36.256.63
75	36.256.75
89	36.256.89
99	36.256.99

SHERMAN

36.251.00 - 36.252.65
bone plates and bone screws





36.340.39 - 36.340.78
T plates

mm	holes	
39	3 x 3	36.340.39
47	3 x 5	36.340.47
56	4 x 4	36.340.56
78	4 x 6	36.340.78



T plates

mm	holes	
39	3 x 3	36.341.39
47	3 x 5	36.341.47



36.345.45



36.363.65 - 36.365.85

angular plates 110°

mm	round holes	compresion
65	36.363.65	36.373.65
75	36.363.75	36.373.75
85	36.363.85	36.373.85

angular plates 120°

mm	round holes	compresion
65	36.365.65	36.375.65
75	36.365.75	36.375.75
85	36.365.85	36.375.85

angular plates 130°

mm	round holes	compresion
65	36.367.65	36.377.65
70	36.367.70	36.377.70
75	36.367.75	36.377.75
80	36.367.80	36.377.80
85	36.367.85	36.377.85
90	36.367.90	36.377.90
95	36.367.96	36.377.96
100	36.368.00	36.378.00
105	36.368.05	36.378.05
110	36.368.70	36.378.70



36.408.40 - 36.419.60
plates 90°

mm / mm	rounds holes	gliding holes
10 / 40	36.408.40	36.418.40
15 / 50	36.408.50	36.418.50
15 / 60	36.408.60	36.418.60
15 / 60	36.409.60	36.419.60



36.410.60 - 36.420.60
plates 100°

mm / mm	holes	
10 / 60	round	36.410.60
10 / 60	gliding	36.420.60



36.434.35 - 36.434.45
plates 90° children

mm / mm	gliding holes	
8 / 35		36.434.35
8 / 45		36.434.45



36.436.25 - 36.438.22
plates 90° baby

mm / mm	gliding holes	
7 / 25		36.436.25
7 / 32		36.436.32
12 / 25		36.438.25
12 / 32		36.438.32



36.440.40 - 36.441.50
plates 90° adult

mm / mm	gliding holes	
10 / 40		36.440.40
10 / 50		36.440.50
15 / 40		36.441.40
14 / 50		36.441.50



36.445.08 - 36.445.11
cobra plates

mm	holes	
170	8	36.445.08
186	9	36.445.09
202	10	36.445.10
218	11	36.445.11



36.445.08 - 36.445.11

condylar plate s.o.s. right

mm	holes	
160	7	36.447.07
192	9	36.447.09

condylar plates s.o.s. left

mm	holes	
160	7	36.449.07
192	9	36.449.09



36.510.05 - 36.512.06

spoon plates

mm	holes	
100	5	36.510.05
120	6	36.512.06



36.516.03 - 36.516.08

T plates

mm	holes	
68	3	36.516.03
84	4	36.516.04
110	5	36.516.05
116	6	36.516.06
148	8	36.516.08



36.520.03 - 36.520.04

croverleaf plates

mm	holes	
88	3	36.520.03
104	4	36.520.04



36.526.04 - 36.526.05

T buttres plates

mm	holes	
80	4	36.526.04
96	6	36.526.05
112	6	36.526.06

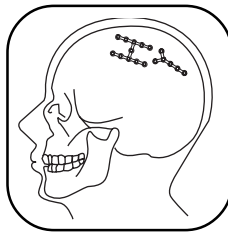


36.529.01

*L buttress plates
87 mm
4 holes*

36.529.02

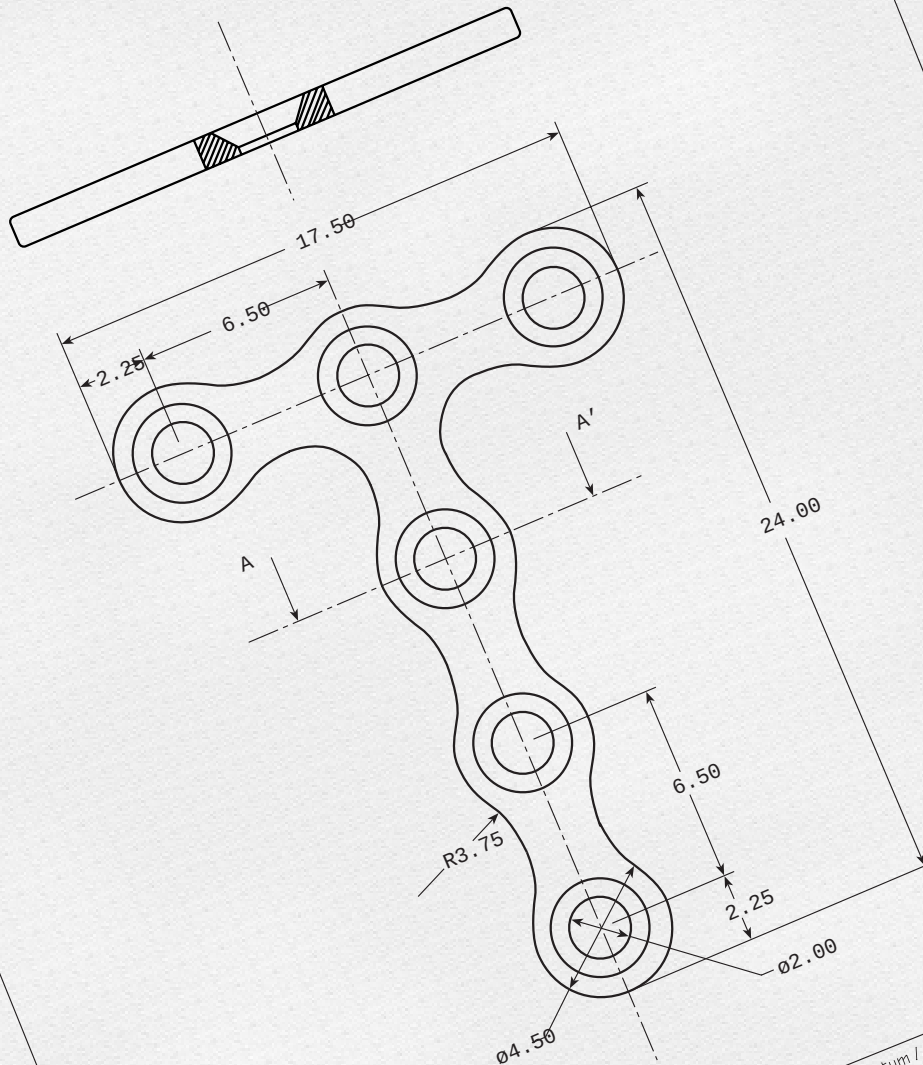
*L buttress plates
87 mm
4 holes*



37

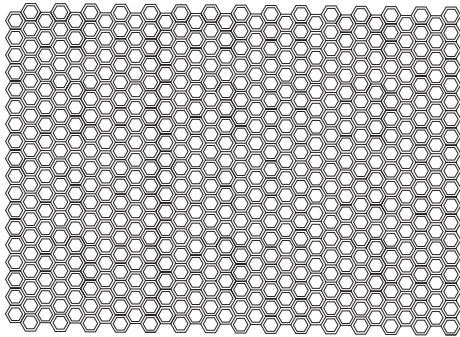
Oral-Maxillofacial Surgery (Implants) Cirugía Oral-Maxilofacial (Implantes) Mund-, Kiefer- und Gesichtschirurgie (Implantate)

Corte A-A'



GENERAL CATALOGUE	Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
	gezeichnet / dibujado	July '98	cvd/jvd	1
	geprüft / verificado	July '98	cvd	Maasstab / escala 1:1
	Toleranz / tolerancia	June '99	mj	Abt. / acot. mm
				Artikel-Nr. / No. de artículo





mesh
37.001.10 - 37.001.50

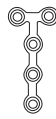
<i>thickness</i>	<i>mm</i>	
0.1	50 x 30	37.001.10
0.1	100 x 60	37.001.12
0.1	100 x 30	37.001.14
0.1	50 x 60	37.001.16
0.1	120 x 120	37.001.18
0.2	50 x 30	37.001.20
0.2	100 x 60	37.001.22
0.2	100 x 30	37.001.24
0.2	50 x 60	37.001.26
0.2	120 x 120	37.001.50

System micro 1.0 mm

all implants are made of Titanium



<i>holes</i>	<i>left</i>	<i>right</i>
5	37.100.15	37.111.15
8	37.114.18	37.115.18



<i>holes</i>	
5	37.120.05
7	37.122.07



37.127.06



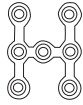
<i>holes</i>	
6	37.130.06
7	37.130.07



<i>holes</i>	
4	37.100.04
6	37.100.06
8	37.100.08
12	37.100.12
16	37.100.16
24	37.100.24

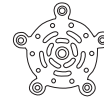


37.135.08



holes

7	37.138.07
9	37.138.09
12	37.138.12
14	37.138.14



holes

mm

5	12	37.150.12
5	15	37.150.15
5	18	37.150.18
5	20	37.150.20



ø / mm

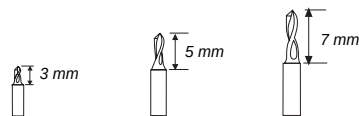
1 x 3	37.090.03
1 x 4	37.090.04
1 x 5	37.090.05
1 x 6	37.090.06
1 x 7	37.090.07

emergency



ø / mm

1.2 x 3	37.091.03
1.2 x 5	37.091.05



mm

zyl	0.7 x 50	37.010.03	37.010.05	37.010.07
stry	0.7 x 50	37.010.13	37.010.15	37.010.17



System micro 1.2 mm

all implants are made of Titanium



holes

4	37.300.04
6	37.300.06
8	37.300.08
12	37.300.12
16	37.300.16
24	37.300.24



holes

left

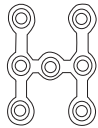
right

5	37.300.15	37.311.15
8	37.314.18	37.315.18



holes

5	37.320.05
7	37.322.07



holes

14	37.322.14
7	37.322.27
9	37.322.29



37.327.06

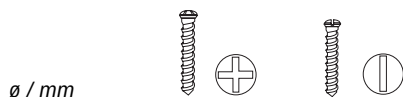


holes

6	37.330.06
7	37.330.07



37.335.08



ø / mm

1.2 x 2	37.210.02	37.210.22
1.2 x 3	37.210.03	37.210.23
1.2 x 4	37.210.04	37.210.24
1.2 x 5	37.210.05	37.210.25
1.2 x 6	37.210.06	37.210.26
1.2 x 7	37.210.07	37.210.27
1.2 x 8	37.210.08	37.210.28
1.2 x 9	37.210.09	37.210.29
1.2 x 10	37.210.10	37.210.30
1.2 x 11	37.210.11	37.210.31
1.2 x 12	37.210.12	37.210.32



ø / mm

1.4 x 3	37.211.03	37.211.33
1.4 x 5	37.211.05	37.211.35
1.4 x 7	37.211.07	37.211.37
1.4 x 9	37.211.09	37.211.39
1.4 x 11	37.211.11	37.211.31



System medium 1.5 mm

all implants are made of Titanium



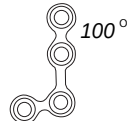
holes	
2	37.500.02
4	37.500.04
6	37.500.06
8	37.500.08
16	37.500.16
30	37.500.30



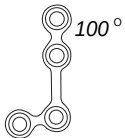
holes	short	medium	large
4	37.510.04	37.511.04	37.512.04
6	37.510.06	37.511.06	37.512.06



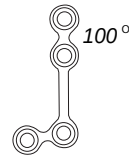
holes	left	right
4	37.500.14	37.502.14
5	37.500.15	37.505.15



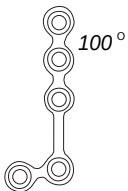
holes	left	right
4	37.501.14	37.503.14
6	37.510.16	37.511.16



holes	left	right
4	37.505.14	37.507.14
6	37.512.16	37.513.16



size	holes	left	right
short	4	37.509.14	37.511.14
large	4	37.513.14	37.515.14



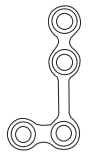
holes	left	right
5	37.510.15	37.511.15
6	37.514.16	37.515.16



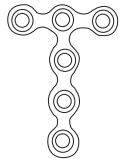
37.506.14
 left
37.508.14
 right



37.510.14
 left
37.512.14
 right



37.514.14
 left
37.516.14
 right

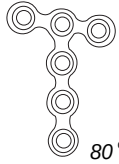


37.520.06



80°

37.521.06

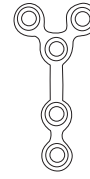


80°

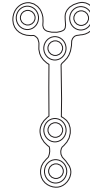
37.522.06



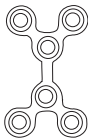
37.527.05



37.525.06



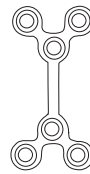
37.527.06



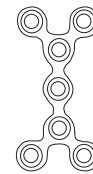
37.530.06



37.531.06



37.532.06



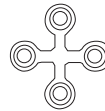
37.532.07



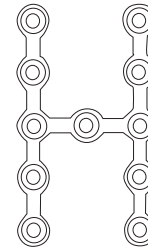
holes

medium

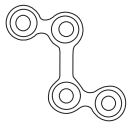
4	37.535.04	37.535.05
6	37.535.06	37.535.07
8	37.535.08	
10	37.535.10	



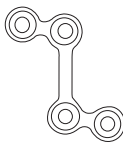
37.538.04



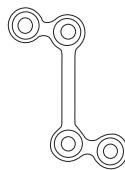
37.538.12



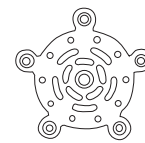
37.541.04
right
37.540.04
left



37.543.04
right
37.542.04
left



37.545.04
right
37.544.04
left



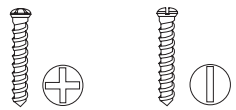
holes

ø / mm

5	12	37.550.05
5	18	37.550.15

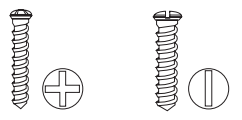


ø / mm



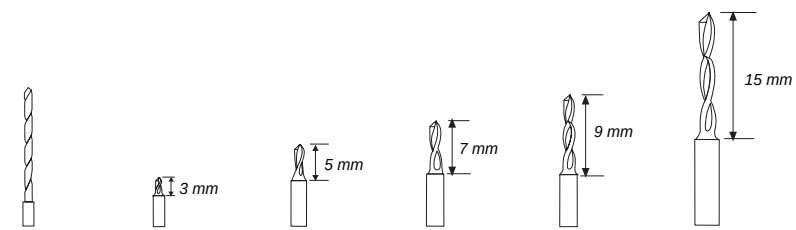
1.5 x 3.5	37.410.03	37.410.23
1.5 x 4	37.410.04	37.410.24
1.5 x 5	37.410.05	37.410.25
1.5 x 6	37.410.06	37.410.26
1.5 x 7	37.410.07	37.410.27
1.5 x 8	37.410.08	37.410.28
1.5 x 9	37.410.09	37.410.29
1.5 x 11	37.410.11	37.410.31
1.5 x 13	37.410.13	37.410.33
1.5 x 15	37.410.15	37.410.35

emergency



ø / mm

1.8 x 3.5	37.410.03	37.411.23
1.8 x 5	37.410.05	37.411.25
1.8 x 7	37.410.07	37.411.27



mm

zyl	1.1 x 50	37.015.01	37.015.03	37.015.05	37.015.07	37.015.09	37.015.25
stry	1.1 x 50	37.015.11	37.015.13	37.015.15	37.015.17	37.015.19	37.015.27



System mini 2.0 mm

all implants are made of Titanium



holes

2	37.900.02
4	37.900.04
6	37.900.06
8	37.900.08
16	37.900.16
40	37.900.40



37.910.04



holes

4	37.911.04
6	37.911.06



37.900.14
left
37.911.14
right



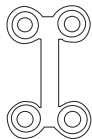
37.912.14
left
37.913.14
right



37.914.14
left
37.915.14
right

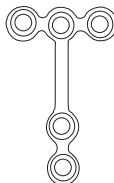


holes	leftt	right
4	37.916.14	37.916.15
5	37.915.15	37.917.14



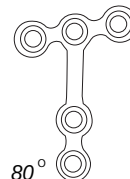
holes

4	37.919.04
6	37.919.06

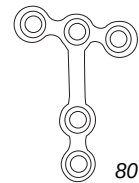


holes

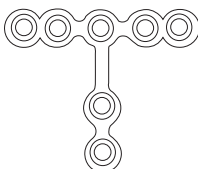
5	37.920.05
6	37.920.06
7	37.920.07



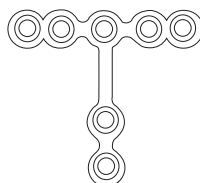
37.921.05



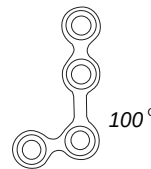
37.922.05



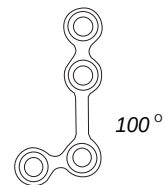
37.921.07



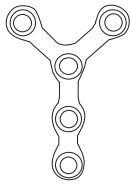
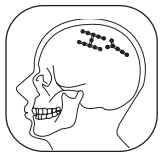
37.922.07



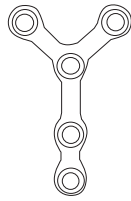
37.920.14
left
37.921.14
right



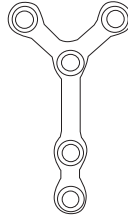
37.924.14
left
37.925.14
right



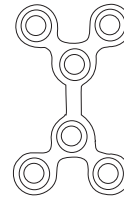
37.924.05



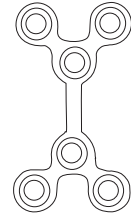
37.925.05



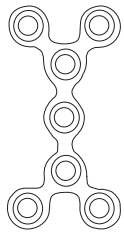
37.927.05



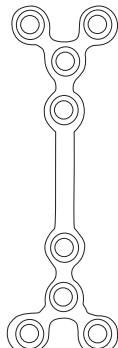
37.930.06



37.931.06



37.930.07

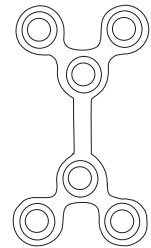


37.931.07

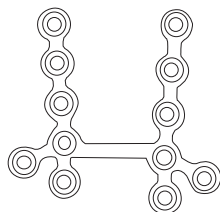


holes

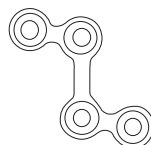
6	37.935.06
8	37.935.08
10	37.935.10



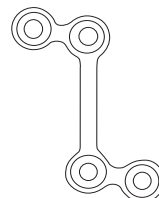
37.938.10



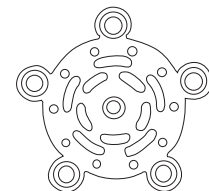
37.938.12



37.941.04
right
37.940.04
left



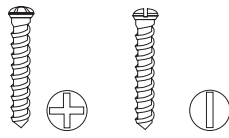
37.945.04
right
37.944.04
left



holes

size

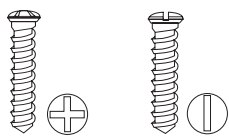
5	small	37.950.05
5	large	37.950.15

ø / mm

2.0 x 4	37.810.04	37.810.24
2.0 x 5	37.810.05	37.810.25
2.0 x 7	37.810.07	37.810.27
2.0 x 9	37.810.09	37.810.29
2.0 x 11	37.810.11	37.810.31
2.0 x 13	37.810.13	37.810.33
2.0 x 15	37.810.15	37.810.35
2.0 x 17	37.810.17	37.810.37
2.0 x 19	37.810.19	37.810.39

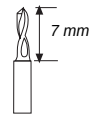
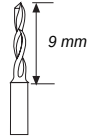
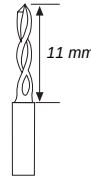
emergency



ø / mm

2.3 x 4	37.811.04	37.811.24
2.3 x 7	37.811.07	37.811.27
2.3 x 9	37.811.09	37.811.29



mm

zyl	1.5 x 50	37.020.01	37.020.05	37.020.07	37.020.09	37.020.21
stry	1.5 x 50	37.020.11	37.020.15	37.020.17	37.020.19	37.020.31



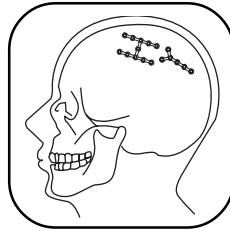
mm

zyl	1.5 x 70	37.020.70
stry	1.5 x 70	37.020.71



mm

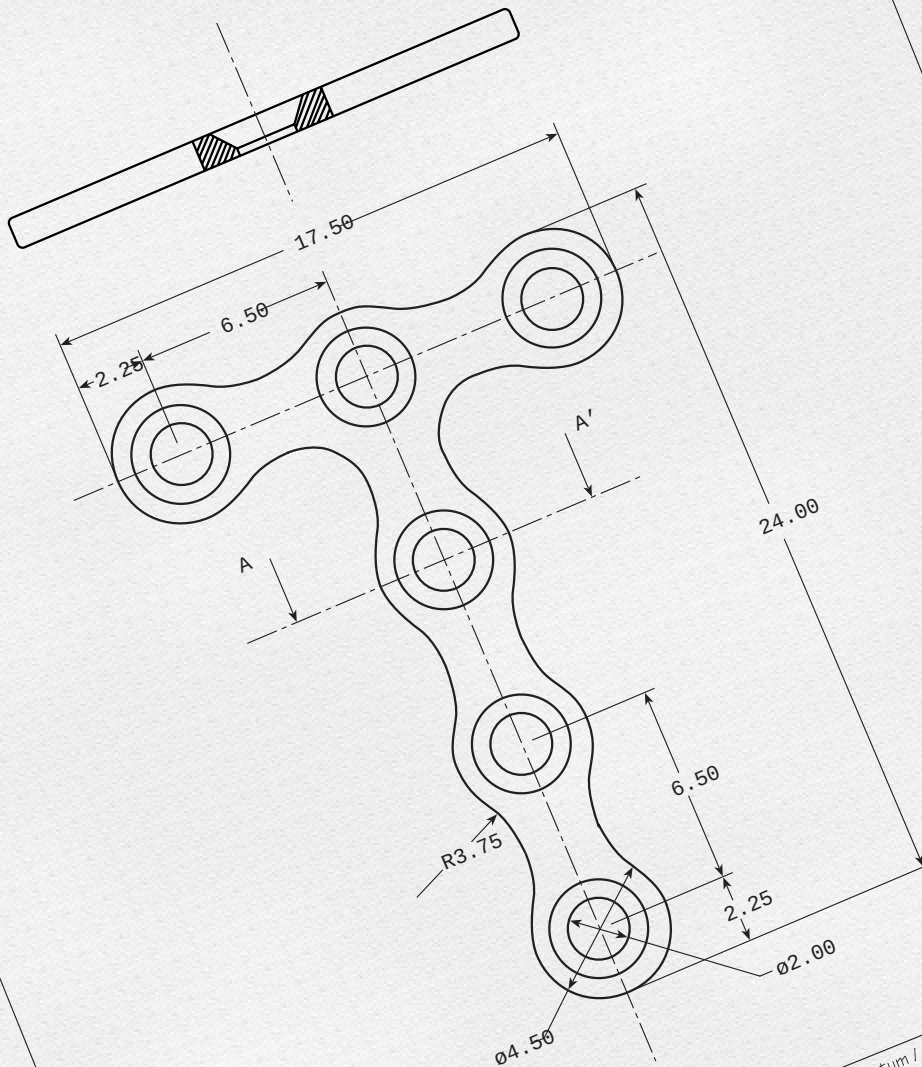
zyl	1.5 x 105	37.020.75
stry	1.5 x 105	37.020.76



38

Oral Maxillofacial Surgery
Cirugía Oral-Maxilofacial
Mund-, Kiefer-und Gesichtschirurgie

Corte A-A'



GENERAL CATALOGUE	Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
	gezeichnet / dibujado	July '98	cvd/jvd	1
	geprüft / verificado	July '98	cvd	Maaetab / escala 1:1
	Toleranz / tolerancia	June '99	mj	Abt. / acot. mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo



System micro 1.0 mm



38.010.70
implant rack, teflon, autoclavable

38.010.73
modular microsystem



38.010.80
*instrument rack
(for container 30 x 18 x 10 cm)*

38.010.84
*sterilizing tray
(without contents)*



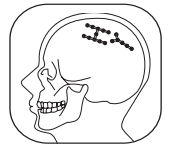
38.010.20 - 38.010.35
17 cm
38.010.35
handle only
38.010.20
*screwdriver with
screw holding
device*



38.010.21
17 cm
fixation screwdriver



38.010.22
screwdriver device, only



38.010.40
13.5 cm
modelling pliers



38.010.41
13.5 cm
modelling pliers



38.010.45
12.5 cm
bending pliers



38.010.50
18 cm
plate cutter



38.010.55
18 cm
plate holding forceps



38.010.56
18 cm
plate holding forceps



38.010.58
14 cm
bending pliers



System micro 1.2 mm



38.012.72
implant rack, teflon,
for screws and plates



38.012.82
instrument rack
(for container 30 x 30 x 10 cm)



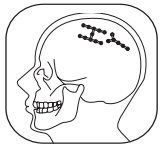
38.012.20
17 cm
screwdriver with
screwholding
device



38.012.21
17 cm
fixation screwdriver



38.012.22
screwdriver device, only



38.012.40
13.5 cm
modelling pliers



38.012.41
13.5 cm
modelling pliers



38.012.45
12.5 cm
bending pliers



38.012.50
18 cm
plate cutter



38.012.55
18 cm
plate holding forceps



38.012.56
18 cm
plate holding forceps



38.012.58
14 cm
bending pliers



System medium 1.5 mm



38.015.70
implant rack, teflon, autoclavable

38.015.72
implant rack, teflon, for screws
and plates

38.015.73
microsystem



38.015.80
instrument rack
(for container 30 x 18 x 10 cm)



38.015.82
instrument rack
(for container 30 x 30 x 10 cm)

38.015.84
sterilizing tray
(without contents)



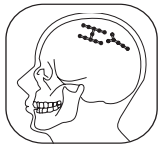
38.015.20
17 cm
screwdriver with
screwholding
device



38.015.21
17 cm
fixation screwdriver



38.015.22
screwdriver device, only



38.015.40
13.5 cm
modelling pliers



38.015.41
13.5 cm
modelling pliers



38.015.45
12.5 cm
bending pliers



38.015.50
18 cm
plate cutter



38.015.55
18 cm
plate holding forceps



38.015.56
18 cm
plate holding forceps



38.015.58
14 cm
bending pliers





38.015.60
18 cm



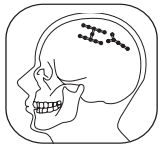
38.015.25
18 cm
screwdriver with
screwholding device



38.015.26
18 cm
screwdriver



38.015.63
check holder, complete



System mini 2.0 mm



38.020.70
implant rack, teflon, autoclavable

38.020.72
*implant rack, teflon,
for screws and plates*

38.020.73
microsystem



38.020.82
*instrument rack
(for container 30 x 30 x 10 cm)*



38.020.80
*instrument rack
(for container 30 x 18 x 10 cm)*





38.020.40
13.5 cm
modelling pliers



38.020.41
13.5 cm
modeling pliers



38.020.45
12.5 cm
bending pliers



38.020.50
18 cm
plate cutter



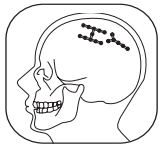
38.020.55
18 cm
plate holding forceps



38.020.56
18 cm
plate holding forceps



38.020.58
14 cm
bending pliers



38.020.60
18 cm
depth gauge



38.020.63
check holder, complete



38.020.25 - 30.020.27
18 cm
38.020.27
screwdriver
38.020.25
screwdriver with
screw holding capability



38.020.26
18 cm
screwdriver



38.020.62
trocar



38.020.62
drill guide





Theodor Rombouts
17th century

Itinerant Toothpullers

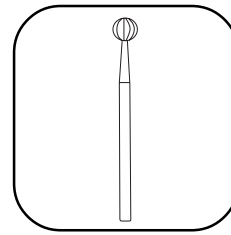
Medical themes were a favorite subject of Flemish realistic painters of the 17th century.

Viajante tumbadientes

Los temas médicos eran favoritos para pintores flamencos del siglo XVII.

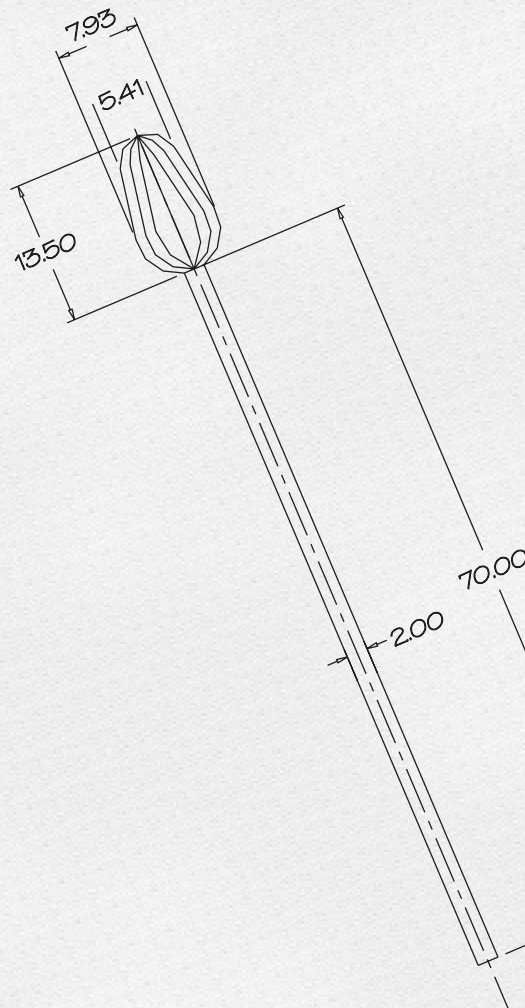
Reisender Zahnzieher

Die Medizin war ein sehr beliebtes Thema für flämische Maler des 17. Jahrhunderts.



39

Fraziers, Burrs
Brocas, Fresas
Bohrer, Fräser

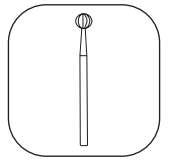


GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
		gezeichnet / dibujado	July '98	cvd/jvd	1
		geprüft / verificado	July '98	cvd	Maaetab / escala
		Toleranz / tolerancia	June '99	mj	1:1
Stainless Steel		 DEWIMED®			Art. / acot. mm
Acero inoxidable					Artikel / artículo
					Artikel-Nr. / No. de art

393



39.110.00
complete 220 V
39.110.01
complete 110 V



39.112.00
complete 220 V
39.112.01
complete 110 V



39.120.09
9.7 cm
tip 15 mm



39.120.14
12.7 cm
tip 45 mm



39.121.13
7 cm + 5 cm
tip 15 mm
39.123.13
10 cm + 5 cm
tip 45 mm



ALLPORT
39.150.31 - 39.150.50
7 cm

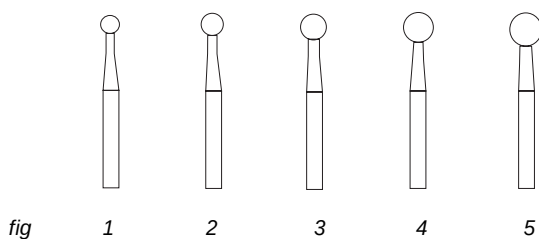


fig	ø mm	
1	3.1	39.150.31
2	3.5	39.150.35
3	4.0	39.150.40
4	4.5	39.150.45
5	5.0	39.150.50



LINDEMANN
39.154.18 - 39.154.28
7 cm

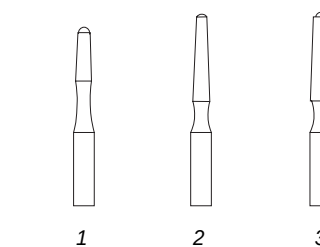
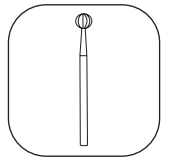
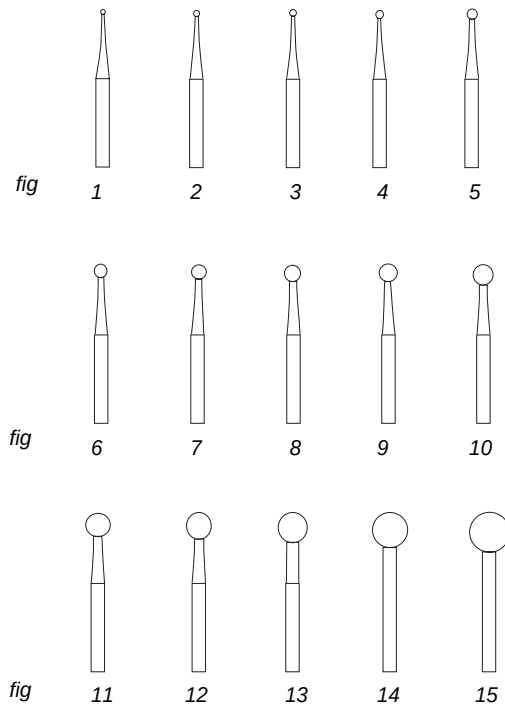


fig	ø mm	
1	1.8	39.154.18
2	2.1	39.154.21
3	2.3	39.154.23



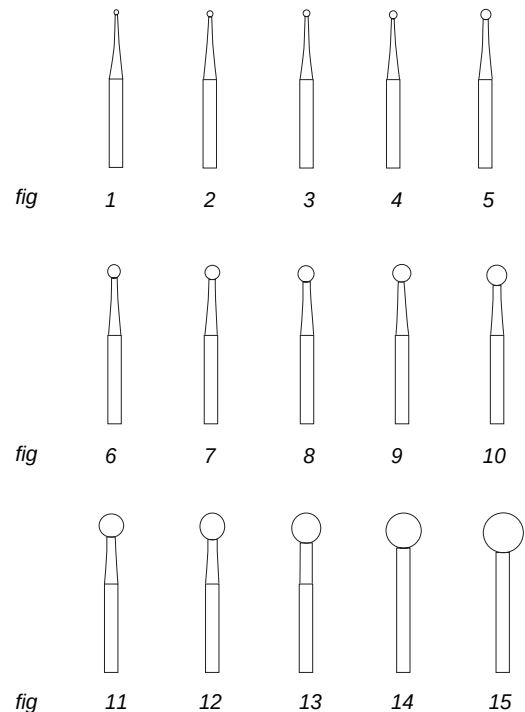
39.160.06 - 39.160.70
7 cm

fig	ø mm	
1	0.6	39.160.06
2	0.7	39.160.07
3	0.8	39.160.08
4	1.0	39.160.10
5	1.4	39.160.14
6	1.8	39.160.18
7	2.3	39.160.23
8	2.7	39.160.27
9	3.1	39.160.31
10	3.5	39.160.35
11	4.0	39.160.40
12	4.5	39.160.45
13	5.0	39.160.50
14	6.0	39.160.60
15	7.0	39.160.70



39.170.06 - 39.170.70
7 cm

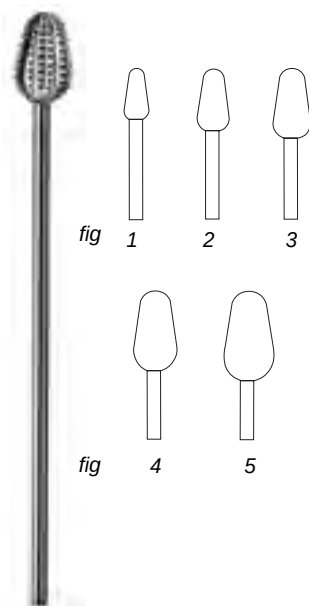
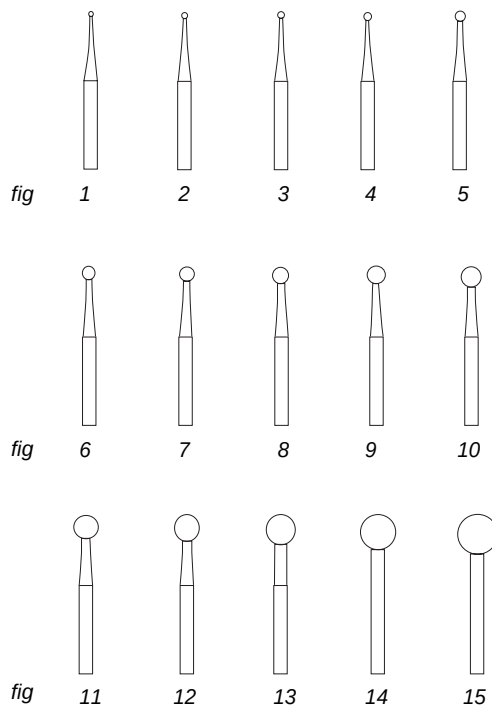
fig	ø mm	
1	0.6	39.170.06
2	0.7	39.170.07
3	0.8	39.170.08
4	1.0	39.170.10
5	1.4	39.170.14
6	1.8	39.170.18
7	2.3	39.170.23
8	2.7	39.170.27
9	3.1	39.170.31
10	3.5	39.170.35
11	4.0	39.170.40
12	4.5	39.170.45
13	5.0	39.170.50
14	6.0	39.170.60
15	7.0	39.170.70





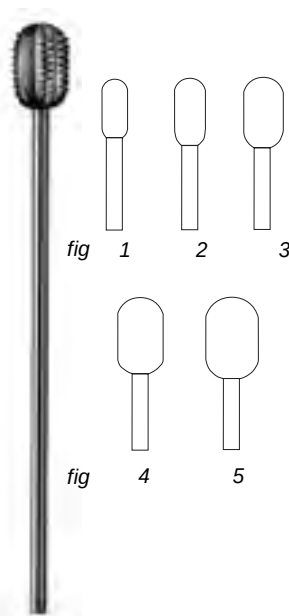
39.180.06 - 39.180.70
7 cm

fig	ø mm	
1	0.6	39.180.06
2	0.7	39.180.07
3	0.8	39.180.08
4	1.0	39.180.10
5	1.5	39.180.15
6	1.8	39.180.18
7	2.0	39.180.20
8	2.3	39.180.23
9	2.7	39.180.27
10	3.1	39.180.31
11	3.5	39.180.35
12	4.0	39.180.40
13	4.5	39.180.45
14	5.0	39.180.50
15	6.0	39.180.60
16	7.0	39.180.70



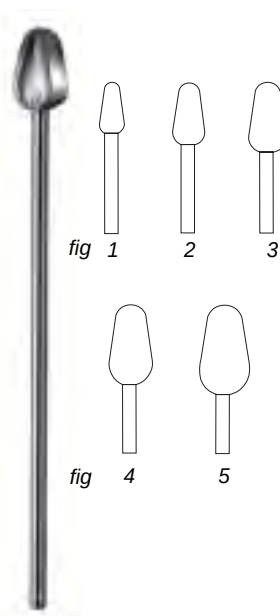
39.190.40 - 39.190.70
7 cm

fig	ø mm	
1	4	39.190.40
2	5	39.190.50
3	6	39.190.60
4	7	39.190.70
5	8	39.190.80



39.192.40 - 39.192.80
7 cm

fig	ø mm	
1	4	39.192.40
2	5	39.192.50
3	6	39.192.60
4	7	39.192.70
5	8	39.192.80



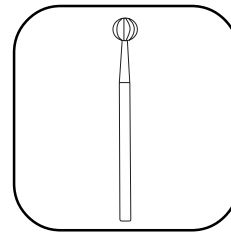
39.194.40 - 39.190.80
7 cm

fig	ø mm	
1	4	39.194.40
2	5	39.194.50
3	6	39.194.60
4	7	39.194.70
5	8	39.194.80



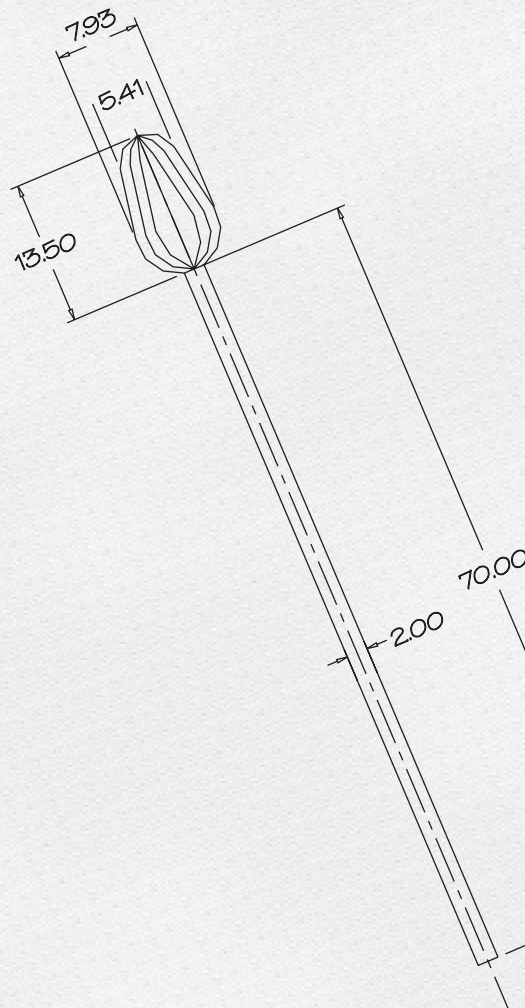
39.196.08 - 39.196.15
7 cm

ø mm	
0.8	39.196.08
1.0	39.196.10
1.5	39.196.15



39

Fraziers, Burrs
Brocas, fresas
Bohrer, Fräser

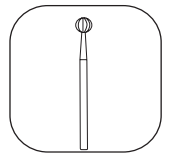


F	GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
			gezeichnet / dibujado	July '98	cvd/jvd	1
			geprüft / verificado	July '98	cvd	Maaetab / escala 1:1
			Toleranz / tolerancia	June '99	mj	Art. / acot. mm
Stainless Steel						Artikel / artículo
Acero inoxidable						Artikel-Nr. / No. de art





39.110.00
complete 220 V
39.110.01
complete 110 V



39.112.00
complete 220 V
39.112.01
complete 110 V



39.120.09
9.7 cm
tip 15 mm



39.120.14
12.7 cm
tip 45 mm



39.121.13
7 cm + 5 cm
tip 15 mm
39.123.13
10 cm + 5 cm
tip 45 mm



ALLPORT
39.150.31 - 39.150.50
7 cm

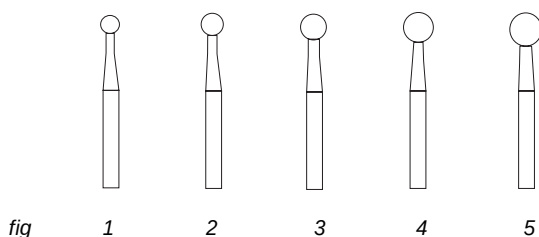


fig	ø mm	
1	3.1	39.150.31
2	3.5	39.150.35
3	4.0	39.150.40
4	4.5	39.150.45
5	5.0	39.150.50



LINDEMANN
39.154.18 - 39.154.28
7 cm

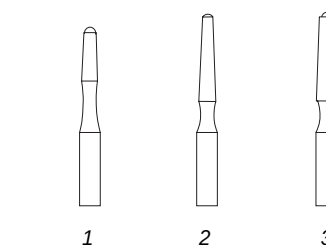
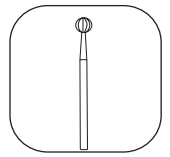
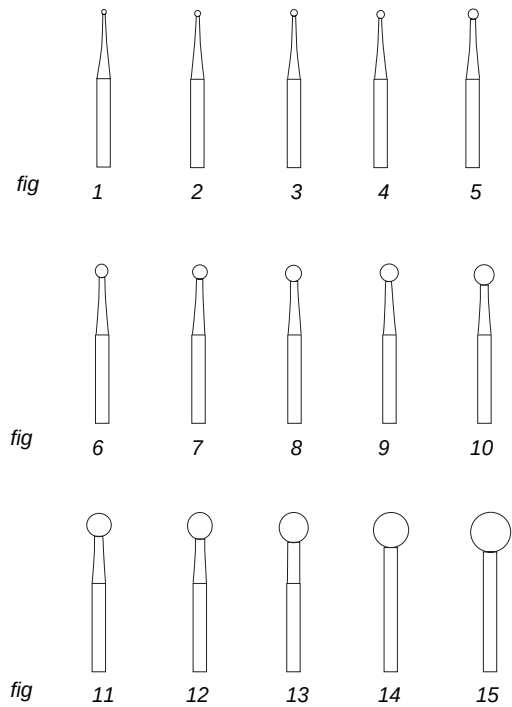


fig	ø mm	
1	1.8	39.154.18
2	2.1	39.154.21
3	2.3	39.154.23



39.160.06 - 39.160.70
7 cm

fig	ø mm	
1	0.6	39.160.06
2	0.7	39.160.07
3	0.8	39.160.08
4	1.0	39.160.10
5	1.4	39.160.14
6	1.8	39.160.18
7	2.3	39.160.23
8	2.7	39.160.27
9	3.1	39.160.31
10	3.5	39.160.35
11	4.0	39.160.40
12	4.5	39.160.45
13	5.0	39.160.50
14	6.0	39.160.60
15	7.0	39.160.70



39.170.06 - 39.170.70
7 cm

fig	ø mm	
1	0.6	39.170.06
2	0.7	39.170.07
3	0.8	39.170.08
4	1.0	39.170.10
5	1.4	39.170.14
6	1.8	39.170.18
7	2.3	39.170.23
8	2.7	39.170.27
9	3.1	39.170.31
10	3.5	39.170.35
11	4.0	39.170.40
12	4.5	39.170.45
13	5.0	39.170.50
14	6.0	39.170.60
15	7.0	39.170.70

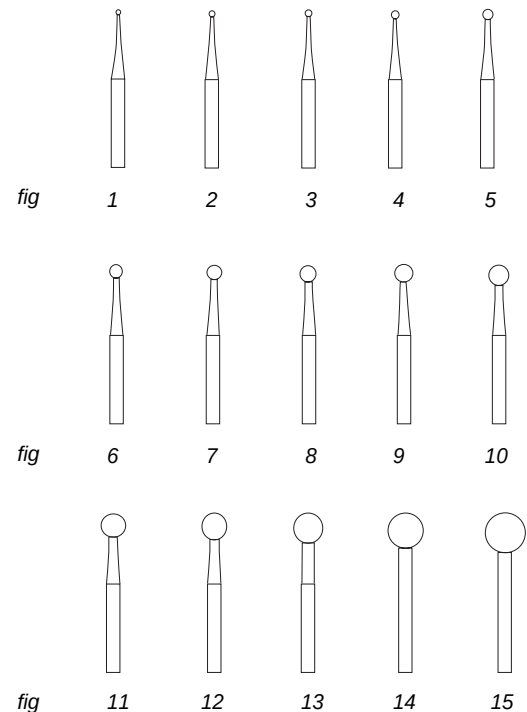
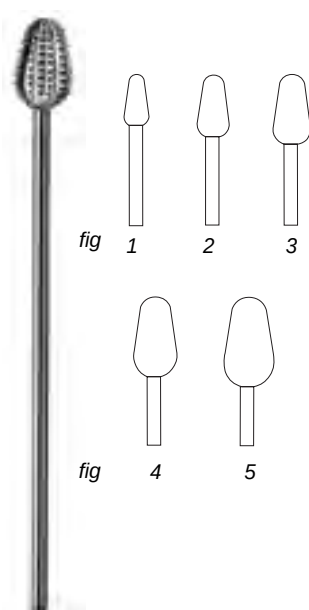
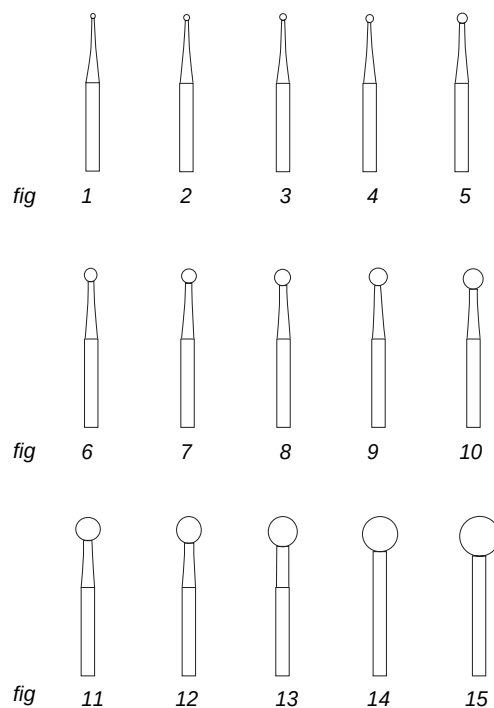




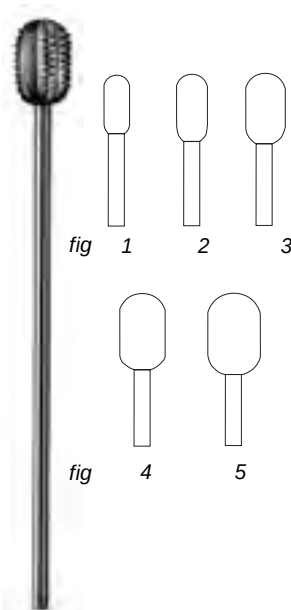
fig	ø mm	
1	0.6	39.180.06
2	0.7	39.180.07
3	0.8	39.180.08
4	1.0	39.180.10
5	1.5	39.180.15
6	1.8	39.180.18
7	2.0	39.180.20
8	2.3	39.180.23
9	2.7	39.180.27
10	3.1	39.180.31
11	3.5	39.180.35
12	4.0	39.180.40
13	4.5	39.180.45
14	5.0	39.180.50
15	6.0	39.180.60
16	7.0	39.180.70

39.180.06 - 39.180.70
7 cm



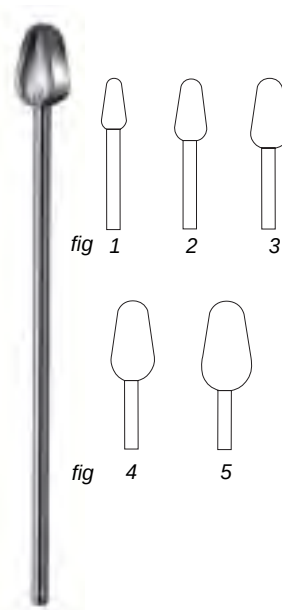
39.190.40 - 39.190.70
7 cm

fig	ø mm	
1	4	39.190.40
2	5	39.190.50
3	6	39.190.60
4	7	39.190.70
5	8	39.190.80



39.192.40 - 39.192.80
7 cm

fig	ø mm	
1	4	39.192.40
2	5	39.192.50
3	6	39.192.60
4	7	39.192.70
5	8	39.192.80



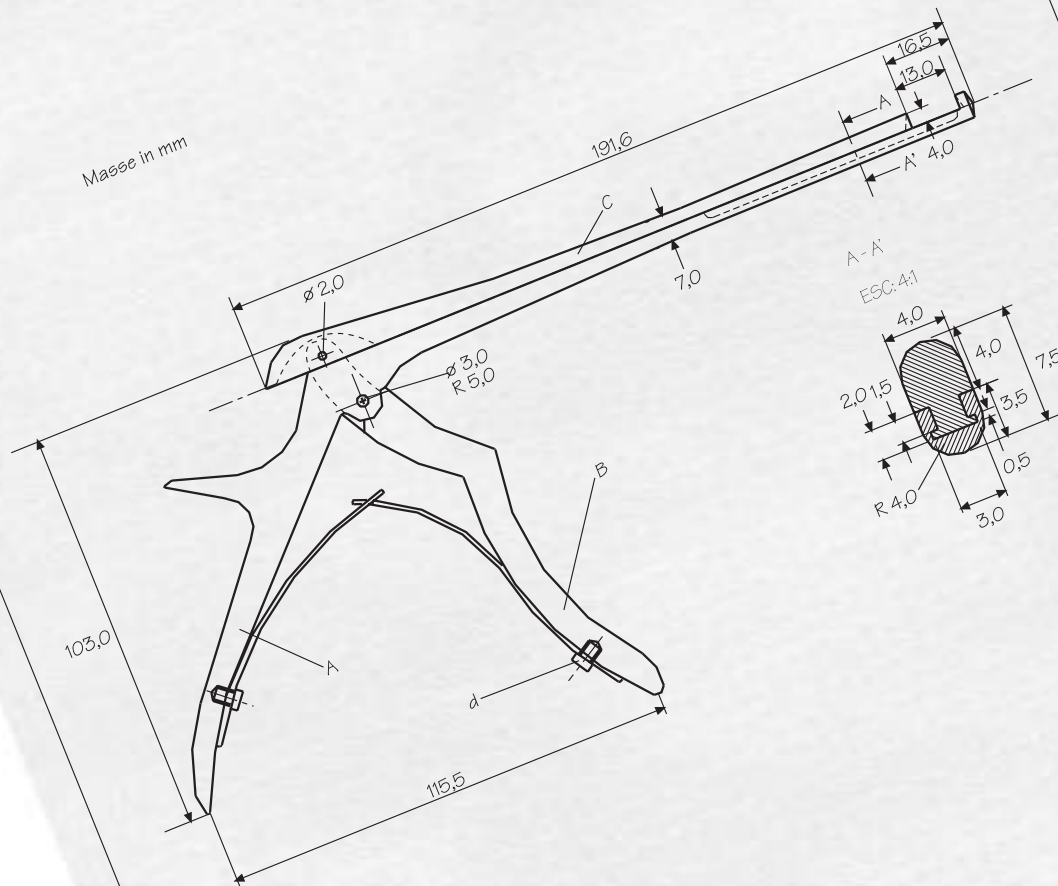
39.194.40 - 39.190.80
7 cm

fig	ø mm	
1	4	39.194.40
2	5	39.194.50
3	6	39.194.60
4	7	39.194.70
5	8	39.194.80



39.196.08 - 39.196.15
7 cm

ø mm	
0.8	39.196.08
1.0	39.196.10
1.5	39.196.15

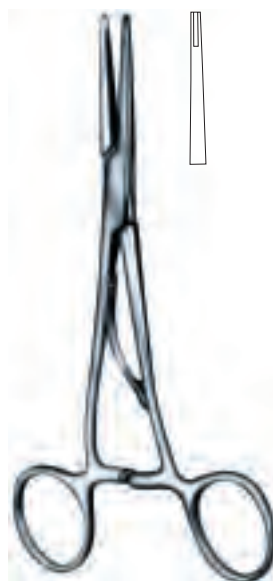


GENERAL CATALOGUE	Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
	gezeichnet / dibujado	July '98	cvd/jvd	Maßstab / escala
	geprüft / verificado	July '98	cvd	Abt. / acot. mm
	Toleranz / tolerancia	June '99	mj	Artikel / artículo
				Artikel-Nr. / No. de artículo



McKENZIE
40.011.15 - 40.011.19

cm	
15	40.011.15
19	40.011.19



McKENZIE
40.013.15 - 40.013.19

cm	
15	40.013.15
19	40.013.19



SMITHWICK
40.015.23 - 40.015.26

cm	
23	40.015.23
26	40.015.26



SWEET
40.017.23 - 40.017.26

cm	
23	40.017.23
26	40.017.26



OLIVECRONA TOENNIS

40.019.14

14 cm



40.021.00

100 pieces



40.020.00



McKENZIE

40.020.02





CRUTCHFIELD
40.025.01



CRUTCHFIELD
40.025.02



40.025.10
cervical traction tongs
40.025.15
spare pin only



40.029.00
50 pieces



CRUTCHFIELD
40.026.35 - 40.026.50

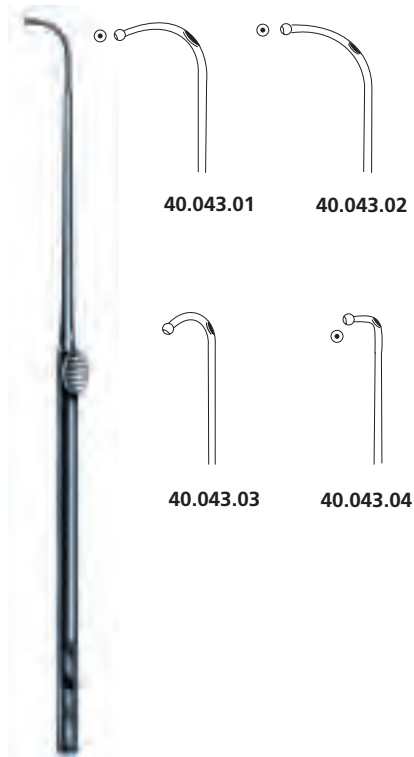
<i>mm</i>	
3.5	40.026.35
5	40.026.50



RANEY
40.027.00

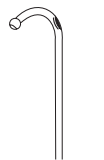


RANEY
40.028.00
16 cm

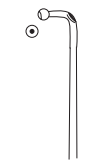


40.043.01

40.043.02



40.043.03



40.043.04

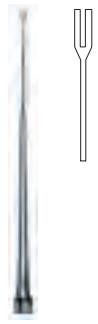
DEWIMED
40.043.01 - 40.043.04
19 cm



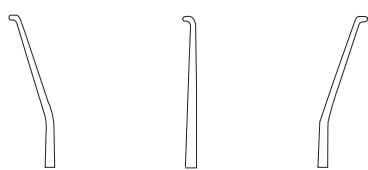
JACOBSON
40.040.01
19 cm



JACOBSON
40.040.02
19 cm



DEWIMED
40.042.19
19 cm



40.051.20

40.052.20

40.053.20

DANDY
40.051.20 - 40.053.20
20 cm



CRILE
40.055.20
20 cm / 7mm
blunt

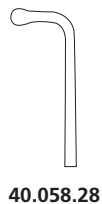
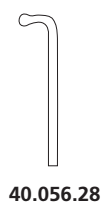


40.056.19

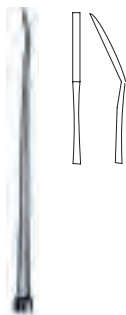
40.058.19

CUSHING
40.056.19 - 40.058.19
19 cm

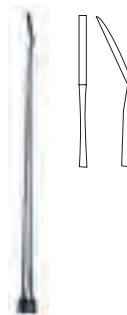




CUSHING
40.056.28 - 40.058.28
28 cm



DEWIMED
40.060.01
19 cm



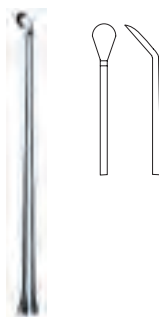
DEWIMED
40.060.02
19 cm



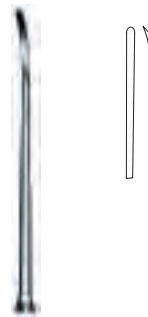
DEWIMED
40.060.03
19 cm



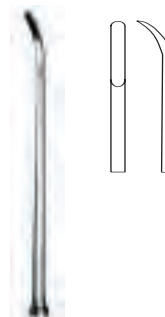
GRAHAM
40.061.16
16.5 cm
blunt



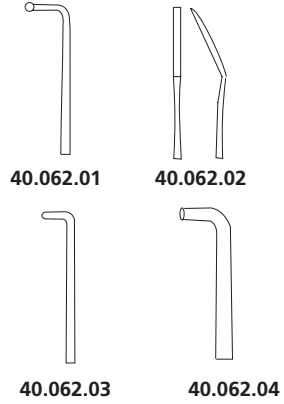
DEWIMED
40.060.04
19 cm



DEWIMED
40.060.05
19 cm



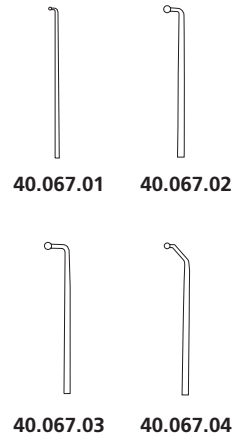
DEWIMED
40.060.06
19 cm



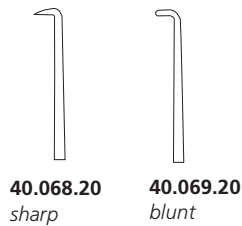
KRAYENBUEHL
40.062.01 - 40.062.04
18.5 cm



SACHS
40.064.18
18.5 cm



CASPAR
40.067.01 - 40.067.04
24.5 cm



ADSON
40.068.20 - 40.069.20
20 cm

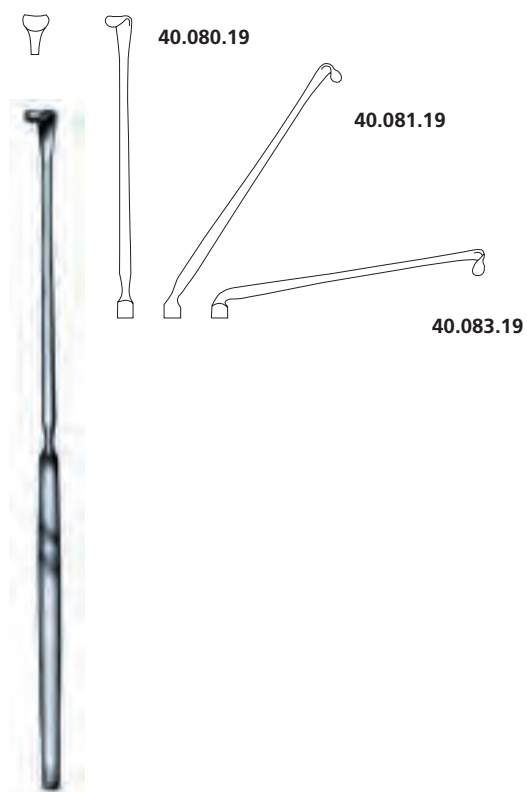


SWITHWICK
40.070.29



LOVE
40.071.21
21 cm





LOVE
40.080.19 - 40.083.19
19 cm



SCOVILLE
40.084.23
23 cm / 8 mm



SCOVILLE
40.085.20
20 cm / 7 mm



HOLSHER
40.087.24
24 cm



DE MARTEL
40.090.33
33 cm



LEBSCHKE
40.092.25
25 cm



OLIVECRONA
40.092.30 - 40.092.70

<i>cm</i>	
30	40.092.30
40	40.092.40
50	40.092.50
60	40.092.60
70	40.092.70



GIGLI
40.094.00



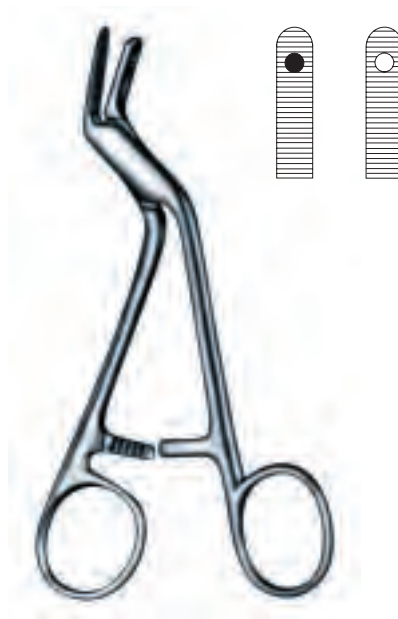
DE VILBISS
40.096.21
21 cm



DAHLGREN
40.097.20
20 cm



CONE
40.098.20
 20 cm
40.098.23
 23 cm



ADSON
40.099.15
 15 cm



ø mm

12.5	40.100.13
16.0	40.100.16
19.0	40.100.19
22.0	40.100.22
25.0	40.100.25

GALT
40.100.13 - 40.100.25
 complete



ø mm

12.5	40.101.13
16.0	40.101.16
19.0	40.101.19
22.0	40.101.22
25.0	40.101.25

GALT
40.101.13 - 40.101.25
 adjustable centering
 point extra



- 40.102.05
ø 5.0 mm
- 40.102.06
ø 5.5 mm
- 40.102.08
ø 8.0 mm

MICHELE
40.102.05 - 40.102.08
40.102.99
marker



TOENNIS
40.141.25
25 cm



SACHS
40.143.21
21 cm



SACHS
40.145.21
21 cm



MILLIGAN
40.147.21
21 cm



40.149.22
21 cm





DAVIS
40.151.24
24.5 cm



HORSLEY
40.155.20
20 cm



PENFIELD
40.161.01
18 cm



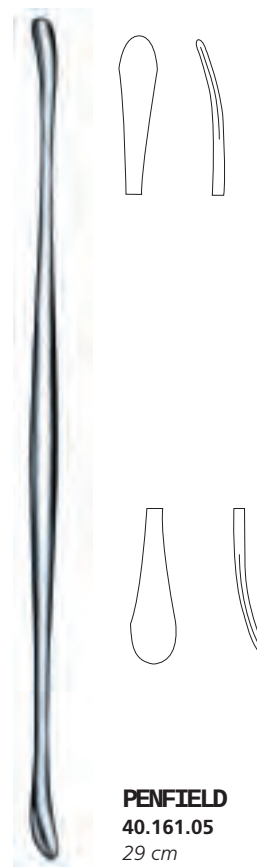
PENFIELD
40.161.02 - 40.161.03
20 cm



40.161.03



PENFIELD
40.161.04
21.5 cm



PENFIELD
40.161.05
29 cm



cm	
18	40.162.18
24	40.162.24

OLIVECRONA
40.162.18 - 40.162.24



cm	
19.5	40.164.19
24.5	40.164.24

OLIVECRONA
40.164.19 - 40.164.24



cm	
13	40.168.13
19	40.168.19

TOENNIS
40.168.13 - 40.168.19



HALLE
40.170.20
20 cm



CASPAR
40.171.01
4.5 mm



CASPAR
40.171.02
4.5 mm



CASPAR
40.171.03
2 mm





CASPAR
40.173.01
1 mm



CASPAR
40.173.02
1 mm



CASPAR
40.173.03
1 mm



40.188.11
11 cm



40.190.10
1.0 mm



40.190.18
1.8 mm



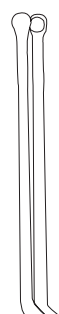
40.191.01



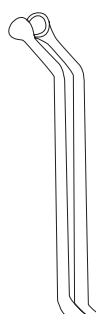
FISCH
40.191.02
18.5 cm



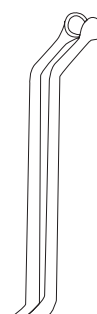
ADSON
40.210.23 - 40.213.23
23 cm



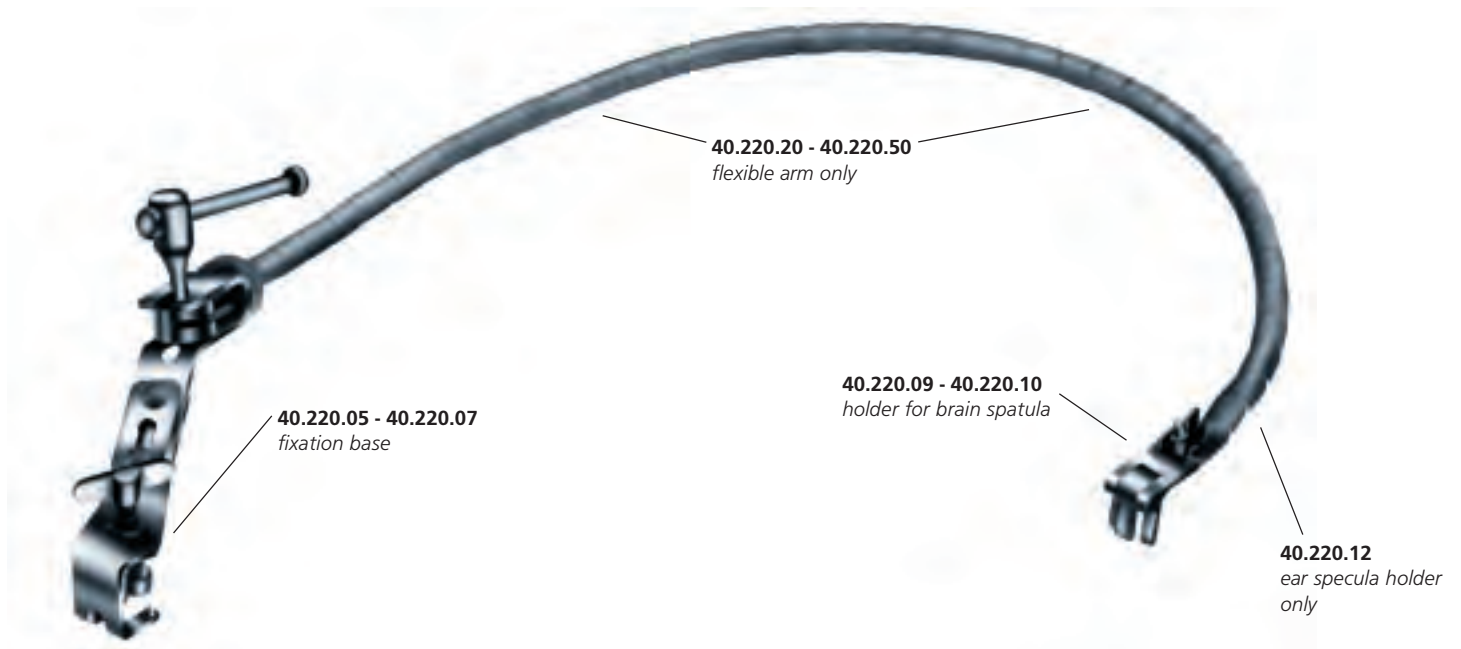
40.210.23



40.211.23



40.213.23



LEYLA
40.220.05
fixation base for 1 arm at skull



LEYLA
40.220.07
fixation base for 1 arms at rigid arm



LEYLA
40.220.06
fixation base for 2 arms at skull

flexible arm only

cm

20	40.220.20
30	40.220.30
40	40.220.40
50	40.220.50



LEYLA
40.220.10
holder for brain spatula with round stem



LEYLA
40.220.12
ear specula holder only

LEYLA
40.221.00

Brain retractor, self retaining, for flat spatula,
with 1 flexible arms complete, consisting of:

40.220.05

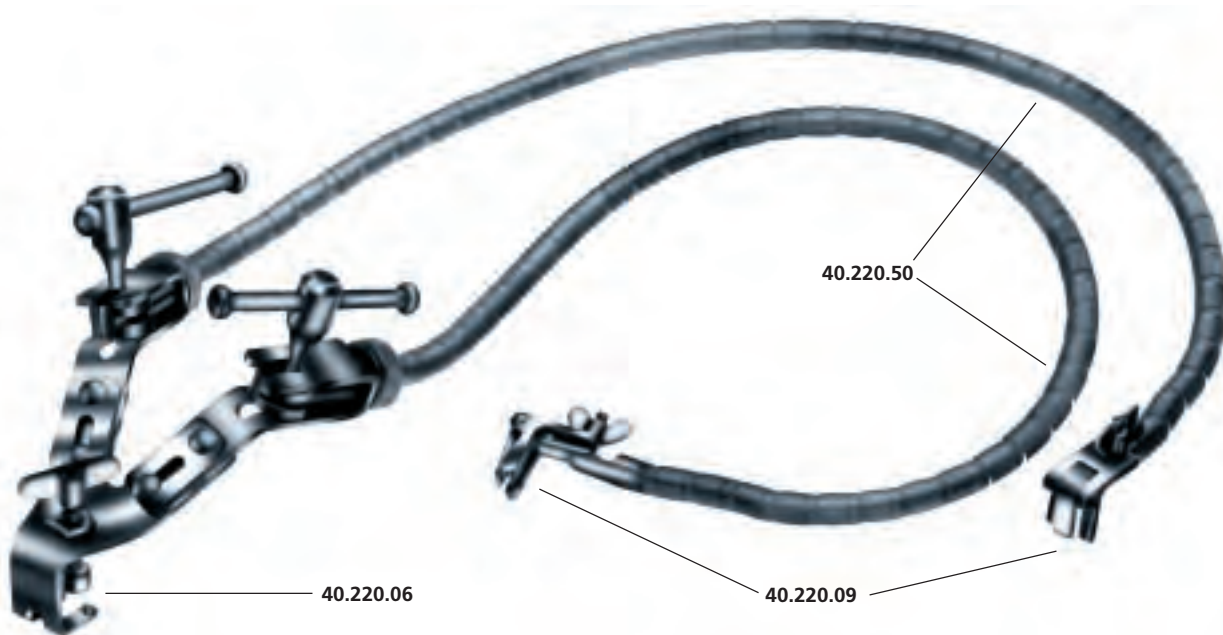
fixiati3n base
for 1 arm at skull

40.220.50

flexible arm only
50 cm

40.220.09

holder for flat brain
spatula


LEYLA
40.222.00

Brain retractor, self retaining, flexible for flat spatula,
with 2 flexible arms complete, consisting of:

40.220.50

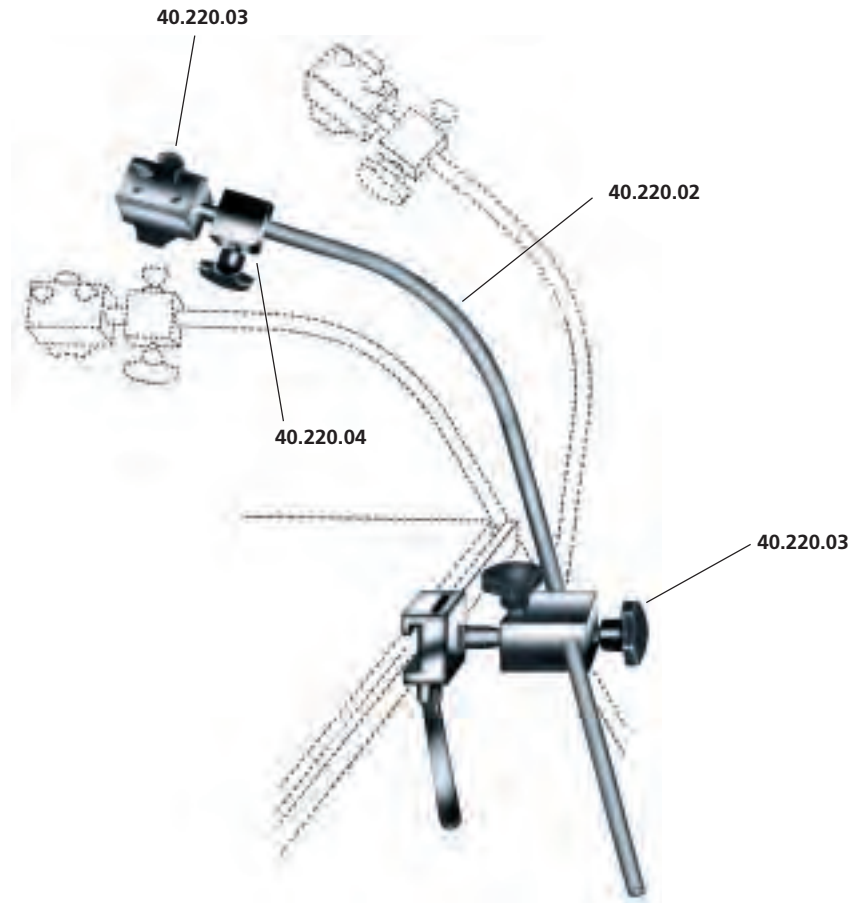
flexible arm only
2pieces 50 cm

40.220.06

fixiation base for 2 arms at skull

40.220.09

holder for flat brain spatula
2 pieces



LEYLA

40.221.01

set for fixation to operating table sideralis
consisting of:

LEYLA

40.222.02

set content:

40.220.01

ball and socket joint, articulated

40.220.02

holding rod for fixation

40.220.03

coupling head for flexible arms max

40.220.04

coupling head rotatable

40.220.07

fixation base for 1 arm at rigid arm (2)

40.220.08

flexible arm only (2)

40.220.09

holder for flat brain spatula (2)

40.220.01

ball and socket join,
articulated

40.220.02

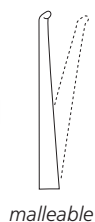
holding rod for
fixation

40.220.03

coupling head
rotatable

40.220.04

coupling head
rotatable



40.230.03 - 40.40.231.06
cerebral spatulas
stainless steel, coated



40.230.03
3 teeth 3 mm
15 cm
40.232.03
3 teeth 3 mm
18 cm



40.230.06
4 teeth 6 mm
15 cm
40.232.06
4 teeth 6 mm
18 cm



40.231.02
round 2 mm
15 cm
40.233.02
round 2 mm
18 cm



40.231.04
round 4 mm
15 cm
40.233.04
round 4 mm
18 cm



40.231.06
round 6 mm
15 cm
40.233.06
round 6 mm
18 cm



40.234.02 - 40.236.06

cm	mm	
15	2	40.234.02
15	4	40.234.04
15	6	40.234.06
18	2	40.236.02
18	4	40.236.04
18	6	40.236.06



40.238.10 - 40.238.20
14 cm

mm	
10	40.238.10
15	40.238.15
20	40.238.20



40.240.10 - 40.240.30
21 cm

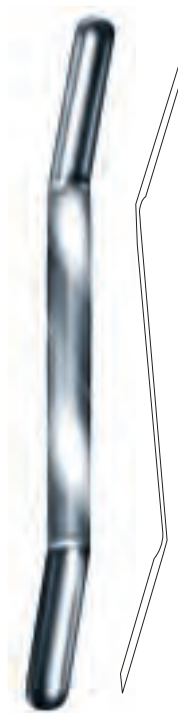
mm	
10	40.240.10
15	40.240.15
20	40.240.20
30	40.240.30



CUSHING
40.250.07 - 40.250.18
18 cm

mm

7 / 9	40.250.07
11 / 13	40.250.11
15 / 18	40.250.15
18 / 22	40.250.18



OLIVECRONA
40.253.07 - 40.253.18
18 cm

mm

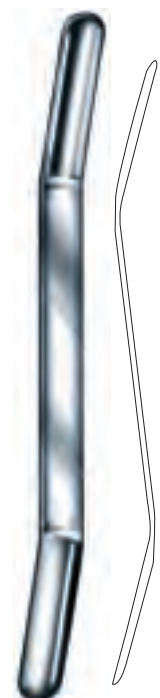
7 / 9	40.253.07
11 / 13	40.253.11
15 / 18	40.253.15
18 / 22	40.253.18



SCOVILLE
40.254.10 - 40.254.16
malleable
20 cm

mm

10 / 13	40.254.10
16 / 19	40.254.16



OLIVECRONA
40.255.07 - 40.255.18
18 cm

mm

7 / 9	40.255.07
11 / 13	40.255.11
15 / 18	40.255.15
18 / 22	40.255.18



40.256.07 - 40.256.22

mm

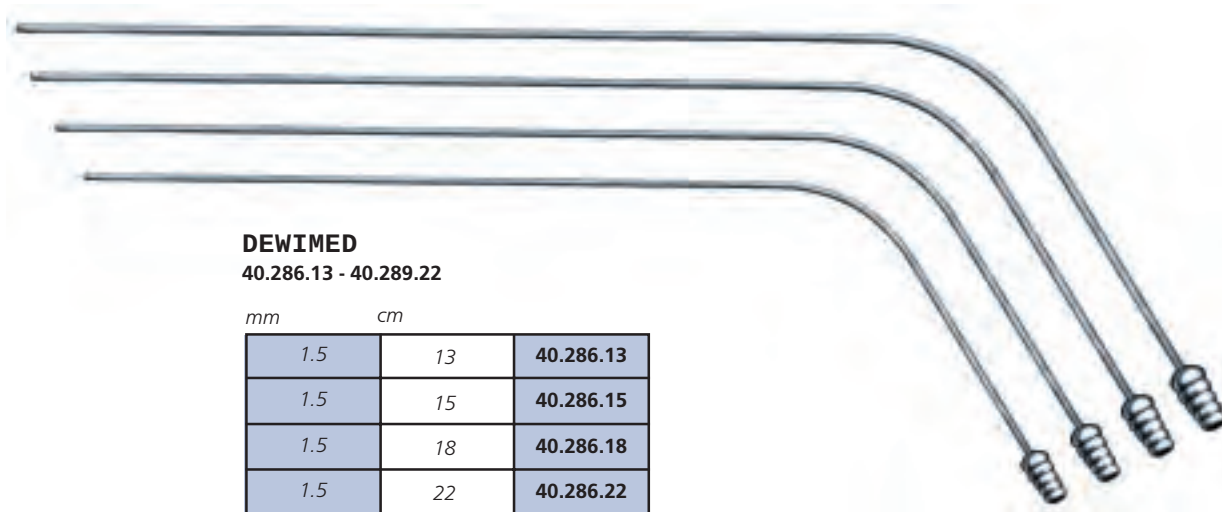
7+8	40.256.07
10+11	40.256.10
13+14	40.256.13
16+17	40.256.16
19+20	40.256.19
22+25	40.256.22



HEIFETZ
40.260.08 - 40.260.17

mm

8	40.260.08
11	40.260.11
14	40.260.14
17	40.260.17



DEWIMED
40.286.13 - 40.289.22

mm	cm	
1.5	13	40.286.13
1.5	15	40.286.15
1.5	18	40.286.18
1.5	22	40.286.22
2.0	13	40.287.13
2.0	15	40.287.15
2.0	18	40.287.18
2.0	22	40.287.22
2.5	13	40.288.13
2.5	15	40.288.15
2.5	18	40.288.18
2.5	22	40.288.22
3.5	13	40.289.13
3.5	15	40.289.15
3.5	18	40.289.18
3.5	22	40.289.22



ADSON
40.290.14
Ø 4 mm
14 cm
40.290.21
Ø 4 mm
21 mm



FERGUSSON
40.291.04
Ø 4 mm
18 cm



FRAZIER
40.293.06 - 40.297.12

	charr	cm	
30°	6	12	40.293.06
	8	12	40.293.08
	10	12	40.293.10
30°	12	12	40.293.12
	6	19	40.295.06
	7	19	40.295.07
30°	8	19	40.295.08
	9	19	40.295.09
	10	19	40.295.10
30°	11	19	40.295.11
	12	19	40.295.12
	15	19	40.295.15
75°	6	19	40.297.06
	7	19	40.297.07
	8	19	40.297.08
75°	9	19	40.297.09
	10	19	40.297.10
	11	19	40.297.11
75°	12	19	40.297.12



FRAZIER
40.298.08 - 40.298.12

mm

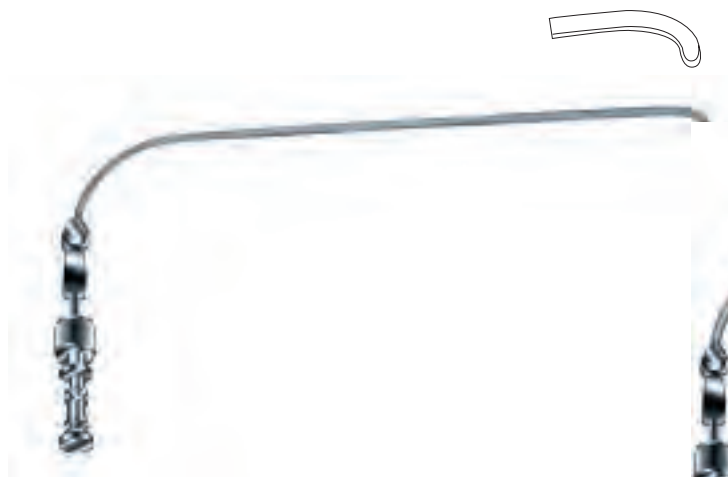
2.0	40.298.08
2.5	40.298.10
3.0	40.298.12



CONE
40.302.12 - 40.302.20
2 perforation ,9 cm

G

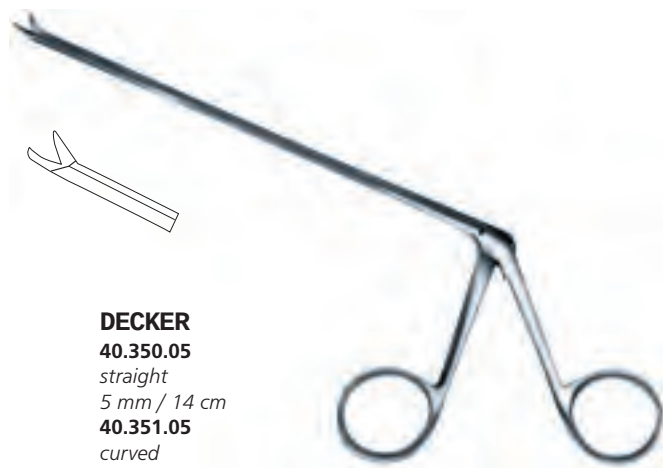
12	40.302.12
13	40.302.13
14	40.302.14
15	40.302.15
16	40.302.16
17	40.302.17
18	40.302.18
20	40.302.20



HARDY
40.310.18
left
7 Charr



HARDY
40.311.18
long
7 Charr



DECKER

40.350.05

straight

5 mm / 14 cm

40.351.05

curved

5 mm / 14 cm



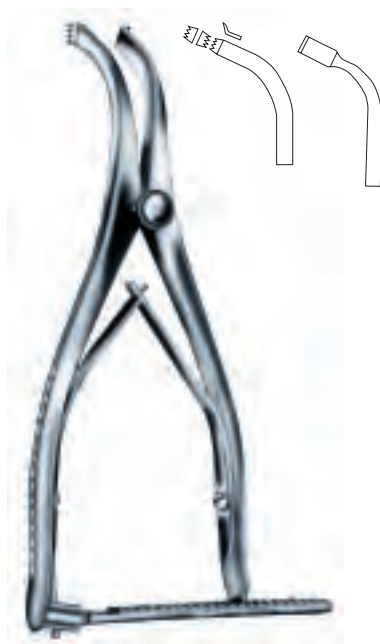
CLOWARD

40.401.16

vertebral

40.402.13

cervical



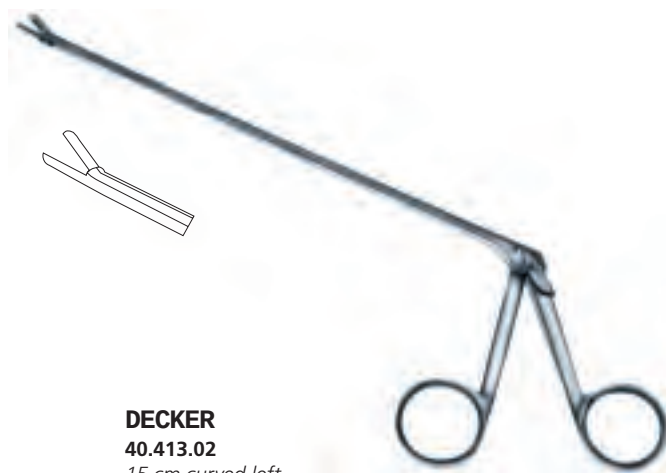
INGE

40.405.17

17 cm

40.405.27

27 cm



DECKER

40.413.02

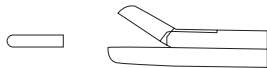
15 cm curved left

2 x 6 mm

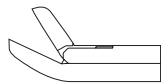
40.414.02

15 cm straight

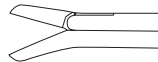
2 x 6 mm



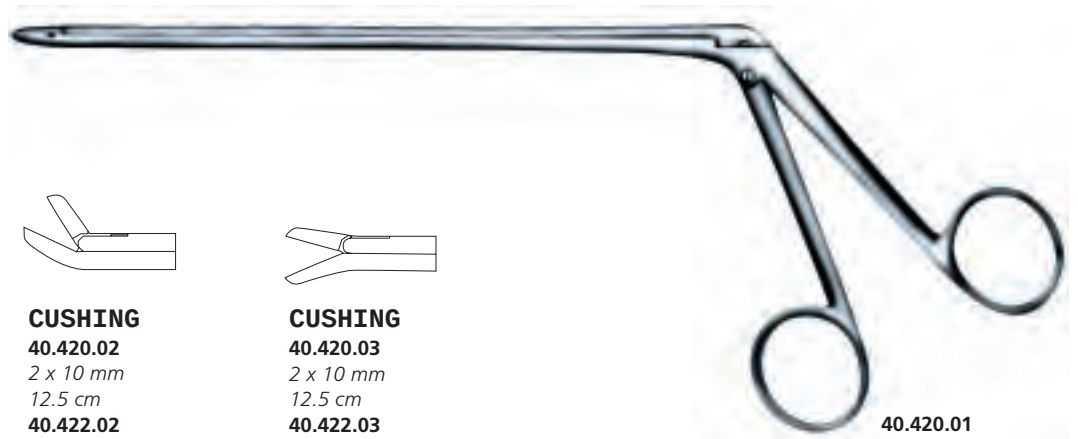
CUSHING
40.420.01
2 x 10 mm
12.5 cm
40.422.01
2 x 10 mm
18 cm



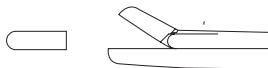
CUSHING
40.420.02
2 x 10 mm
12.5 cm
40.422.02
2 x 10 mm
18 cm



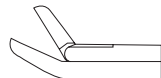
CUSHING
40.420.03
2 x 10 mm
12.5 cm
40.422.03
2 x 10 mm
18 cm



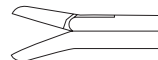
40.420.01



LOVE GRUENW
40.430.01
3 x 10 mm
12.5 cm
40.432.01
3 x 10 mm
18 cm



LOVE GRUENW
40.430.02
3 x 10 mm
12.5 cm
40.432.02
3 x 10 mm
18 cm



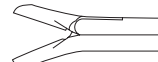
LOVE GRUENW
40.430.03
3 x 10 mm
12.5 cm
40.432.03
3 x 10 mm
18 cm



SPURLING
40.440.01
4 x 10 mm
12.5 cm
40.442.01
4 x 10 mm
18 cm



SPURLING
40.440.02
4 x 10 mm
12.5 cm
40.442.02
4 x 10 mm
18 cm



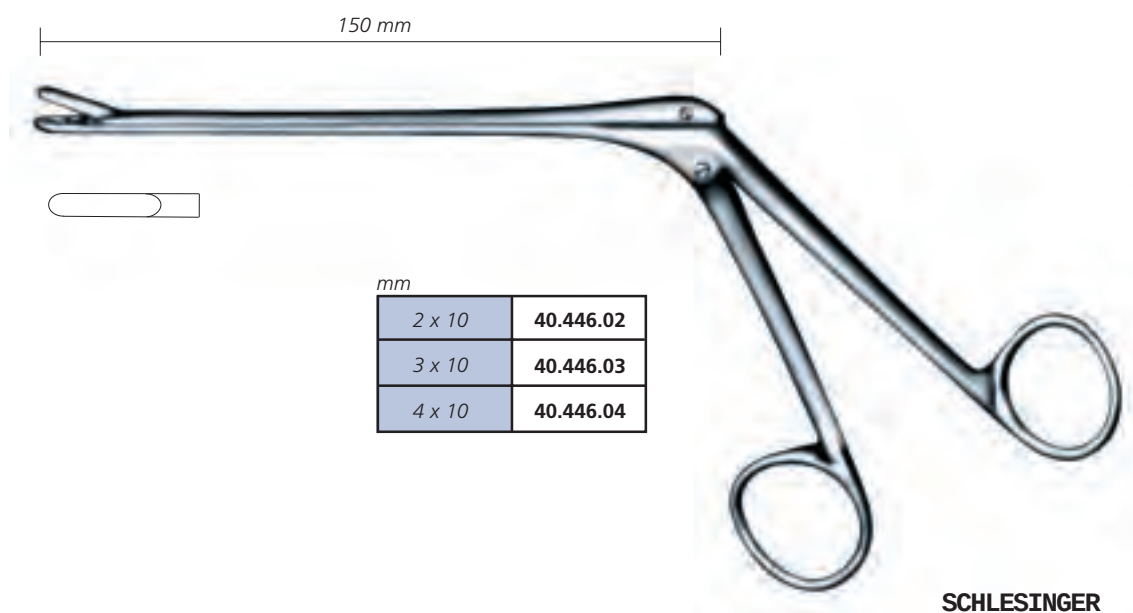
SPURLING
40.440.03
4 x 10 mm
12.5 cm
40.442.03
4 x 10 mm
18 cm



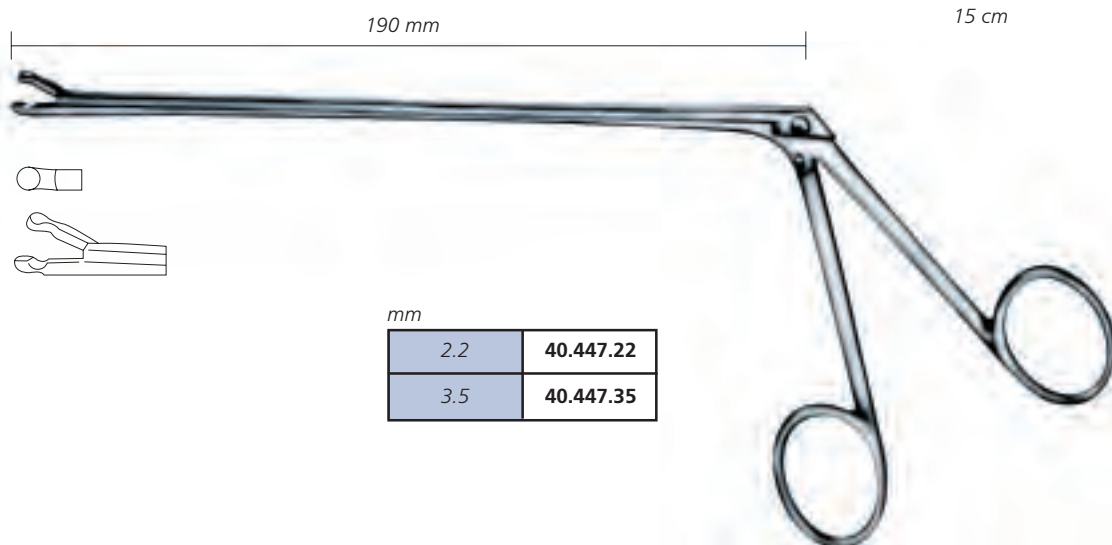
OLDBERG
40.445.25



PEAPOD
40.415.02
2 x 6 mm
14 cm curved up



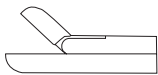
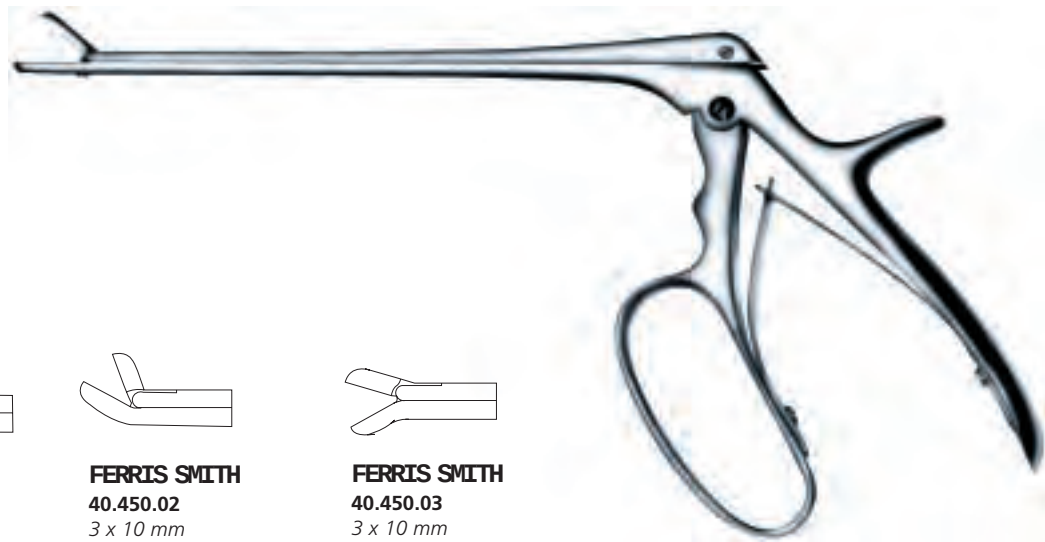
SCHLESINGER
40.446.02 - 40.446.04
15 cm



DEWIMED
40.447.22 - 40.447.35



LANDOLT
40.448.20



FERRIS SMITH

40.450.01

3 x 10 mm

16 cm

40.452.01

3 x 10 mm

18 cm



FERRIS SMITH

40.450.02

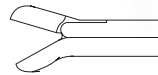
3 x 10 mm

16 cm

40.452.02

3 x 10 mm

18 cm



FERRIS SMITH

40.450.03

3 x 10 mm

16 cm

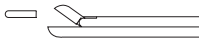
40.452.03

3 x 10 mm

18 cm

FERRIS SMITH

40.450.01 - 40.455.07



FERRIS SMITH CUSHING

40.454.02

2 x 10 mm

18 cm



FERRIS SMITH CUSHING

40.454.03

3 x 10 mm

18 cm



FERRIS SMITH CUSHING

40.454.04

4 x 10 mm

18 cm

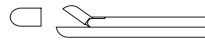


FERRIS SMITH CUSHING

40.454.05

5 x 10 mm

18 cm



FERRIS SMITH CUSHING

40.454.06

6 x 10 mm

18 cm



FERRIS SMITH CUSHING

40.454.07

7 x 10 mm

18 cm



FERRIS SMITH CUSHING

40.455.02

2 x 10 mm

18 cm



FERRIS SMITH CUSHING

40.455.03

3 x 10 mm

18 cm

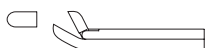


FERRIS SMITH CUSHING

40.455.04

4 x 10 mm

18 cm



FERRIS SMITH CUSHING

40.455.05

5 x 10 mm

18 cm



FERRIS SMITH CUSHING

40.455.06

6 x 10 mm

18 cm



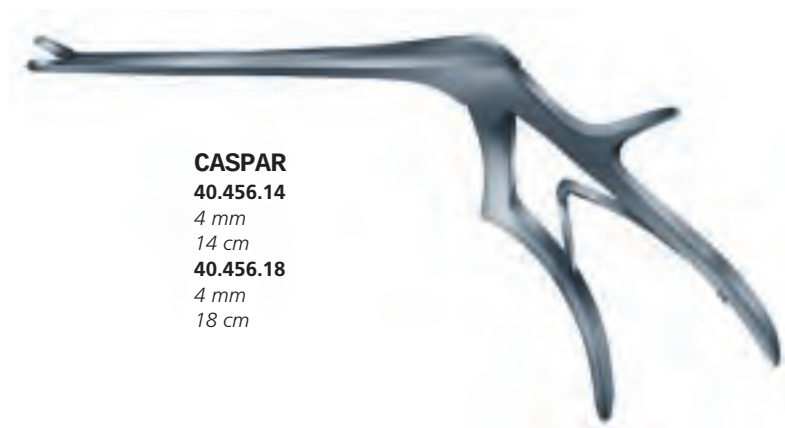
FERRIS SMITH CUSHING

40.455.07

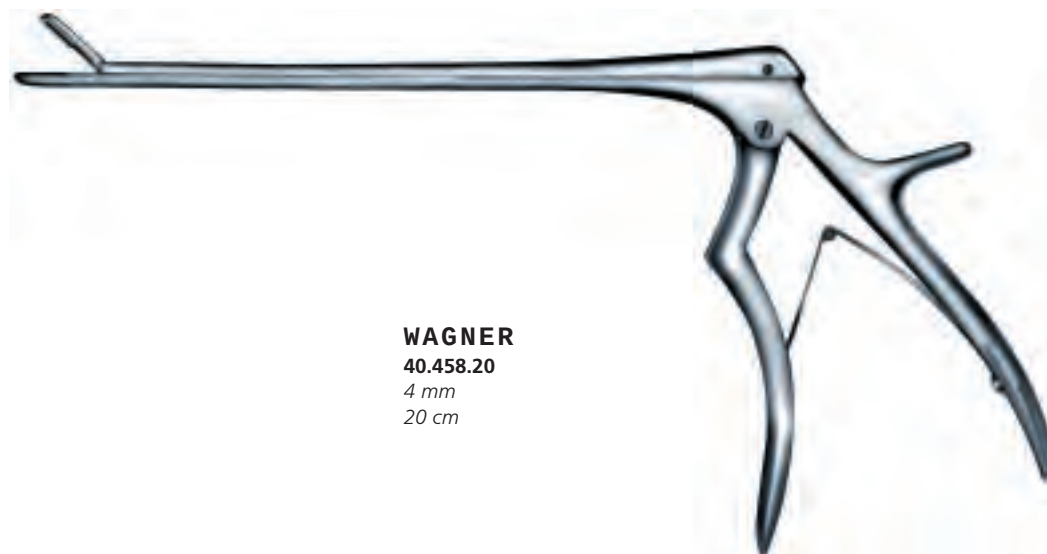
7 x 10 mm

18 cm





CASPAR
40.456.14
 4 mm
 14 cm
40.456.18
 4 mm
 18 cm



WAGNER
40.458.20
 4 mm
 20 cm



CASPAR
40.460.20
 12 x 2 mm



CASPAR
40.460.30
 12 x 3 mm



CASPAR
40.460.40
 14 x 4 mm



CASPAR
40.460.50
 14 x 5 mm



CASPAR
40.460.60
 16 x 6 mm

CASPAR
40.460.20 - 40.460.60
 14 cm



CASPAR
40.461.25
12 x 2.5 mm



CASPAR
40.461.40
14 x 4 mm



CASPAR
40.461.50
14 x 5 mm



CASPAR
40.461.20 - 40.461.50
14 cm



CASPAR
40.463.20
12 x 2 mm



CASPAR
40.463.25
12 x 2.5 mm



CASPAR
40.463.40
14 x 4 mm



CASPAR
40.463.20 - 40.463.40
14 cm



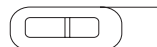
CASPAR
40.464.20
12 x 2 mm



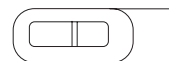
CASPAR
40.464.30
12 x 3 mm



CASPAR
40.464.40
14 x 4 mm



CASPAR
40.464.50
14 x 5 mm



CASPAR
40.464.60
16 x 6 mm



CASPAR
40.464.20 - 40.464.60
16 cm



CASPAR
40.465.20
12 x 2 mm



CASPAR
40.465.25
12 x 2.5 mm

CASPAR
40.465.20 - 40.465.50
16 cm



CASPAR
40.465.40
14 x 4 mm



CASPAR
40.465.50
14 x 5 mm



CASPAR
40.467.20
12 x 2 mm



CASPAR
40.467.25
12 x 2.5 mm



CASPAR
40.467.40
14 x 4 mm

CASPAR
40.467.20 - 40.467.40
16 cm



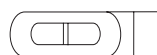
CASPAR
40.468.20
12 x 2 mm



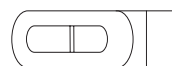
CASPAR
40.468.30
12 x 3 mm



CASPAR
40.468.40
12 x 4 mm



CASPAR
40.468.50
12 x 5 mm



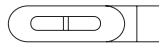
CASPAR
40.468.60
12 x 6 mm

CASPAR
40.468.20 - 40.468.60
18.5 cm





CASPAR
40.469.30
12 x 3 mm



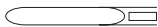
CASPAR
40.469.40
12 x 4 mm



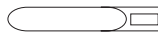
CASPAR
40.469.50
12 x 5 mm



CASPAR
40.469.30 - 40.469.50
18.5 cm



CASPAR
40.470.02
2 mm



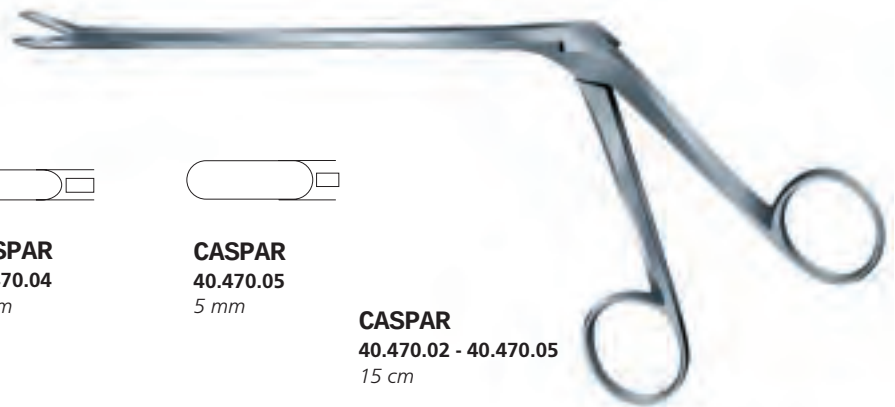
CASPAR
40.470.03
3 mm



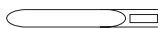
CASPAR
40.470.04
4 mm



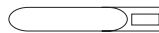
CASPAR
40.470.05
5 mm



CASPAR
40.470.02 - 40.470.05
15 cm



CASPAR
40.471.02
2 mm



CASPAR
40.471.03
3 mm



CASPAR
40.471.04
4 mm



CASPAR
40.471.02 - 40.471.04
15 cm



CASPAR
40.473.02
2 mm



CASPAR
40.473.03
3 mm



CASPAR
40.473.04
4 mm



CASPAR
40.473.02 - 40.473.04
15 cm



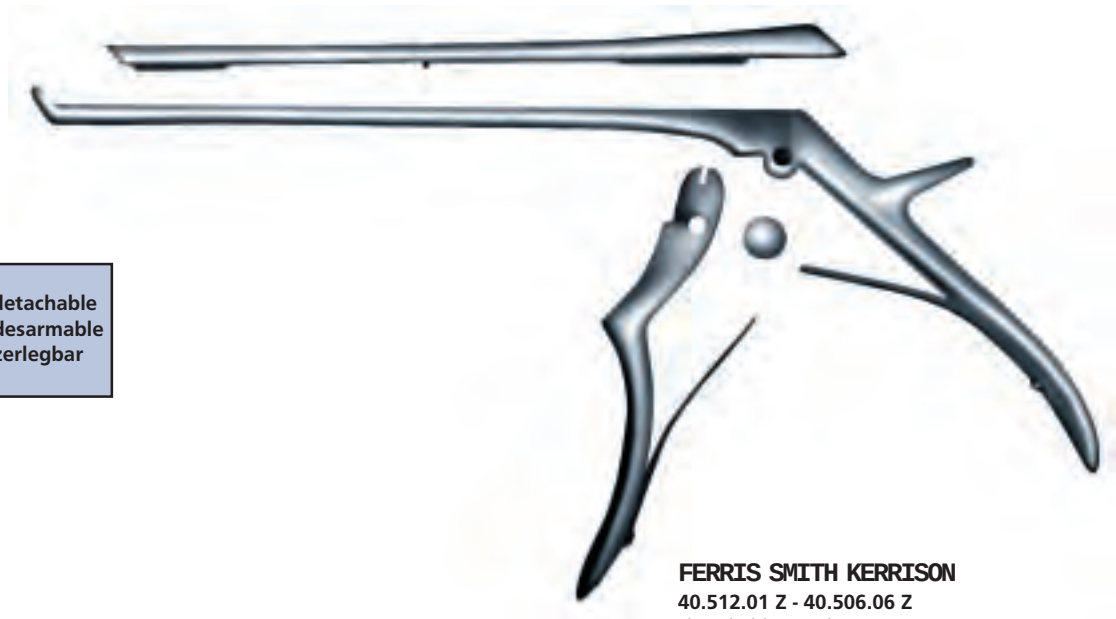
CASPAR
40.475.30
12 x 3 mm



CASPAR
40.475.40
14 x 4 mm



CASPAR
40.475.30 - 40.475.40
18.5 cm



Z= detachable
desarmable
zerlegbar

FERRIS SMITH KERRISON
40.512.01 Z - 40.506.06 Z
detachable punches

Simple disassembly for cleaning
Desensamble para mejor limpieza
Einfaches Zerlegen zur Reinigung



Separate spring mechanism
Separar hojas de resorte
Federmechanismus lösen



Remove retaining button
Retirar botón negro de ensamble
Schwarzen Halteknopf entfernen



Remove handle and top punch component
by sliding towards handle
Separar mango y mecanismo superior de la pinza
Handgriff und oberes Stanzelement entfernen

Simple assembly
Ensamble simple
Einfaches Zusammenbauen



Replace top punch component
Colocar el mecanismo superior de la pinza
Oberes Stanzelement aufsetzen



Insert handle
Insertar mango
Handgriff einrasten



- Insert retaining pin (It is important to align the reference lines before)
- Insertar botón negro de ensamble (es importante alinear antes las líneas de referencia)
- Schwarzen Halteknopf einsetzen (vorher Markierungslinien in eine Ebene bringen)





width
mm

1	40.506.01	40.506.01 Z
2	40.506.02	40.506.02 Z
3	40.506.03	40.506.03 Z
4	40.506.04	40.506.04 Z
5	40.506.05	40.506.05 Z
6	40.506.06	40.506.06 Z



FERRIS SMITH KERRISON
40.506.01 - 40.506.06 Z
20 cm

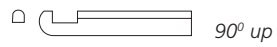


width
mm

1	40.507.01	40.507.01 Z
2	40.507.02	40.507.02 Z
3	40.507.03	40.507.03 Z
4	40.507.04	40.507.04 Z
5	40.507.05	40.507.05 Z
6	40.507.06	40.507.06 Z

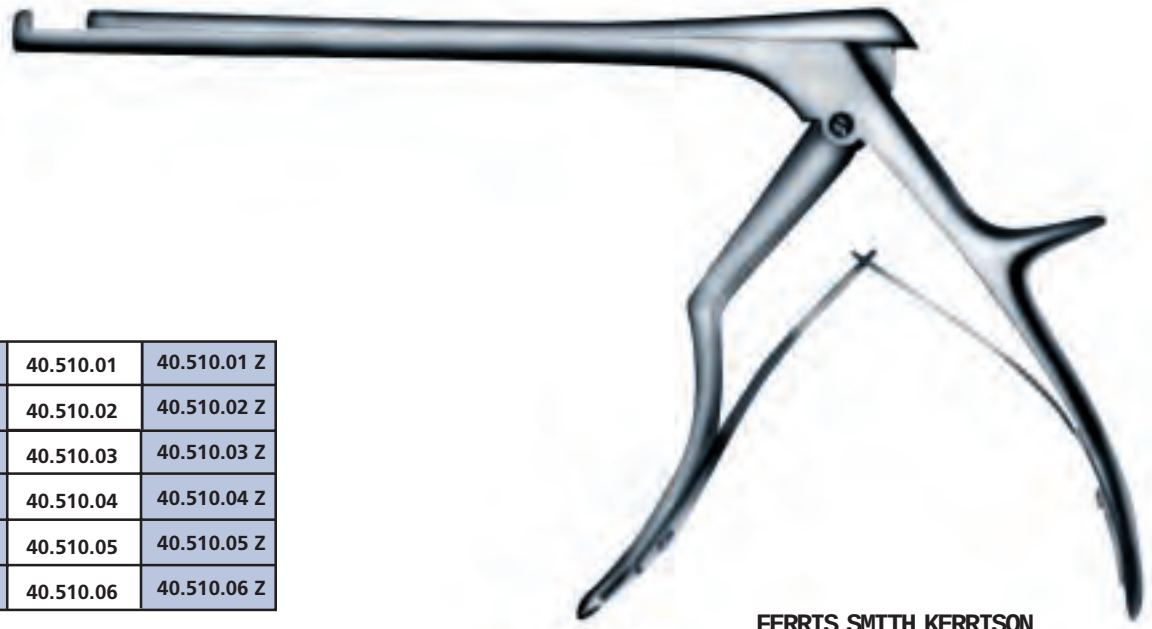


FERRIS SMITH KERRISON
40.507.01 - 40.507.06 Z
20 cm



width
mm

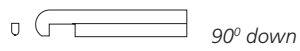
1	40.510.01	40.510.01 Z
2	40.510.02	40.510.02 Z
3	40.510.03	40.510.03 Z
4	40.510.04	40.510.04 Z
5	40.510.05	40.510.05 Z
6	40.510.06	40.510.06 Z



FERRIS SMITH KERRISON

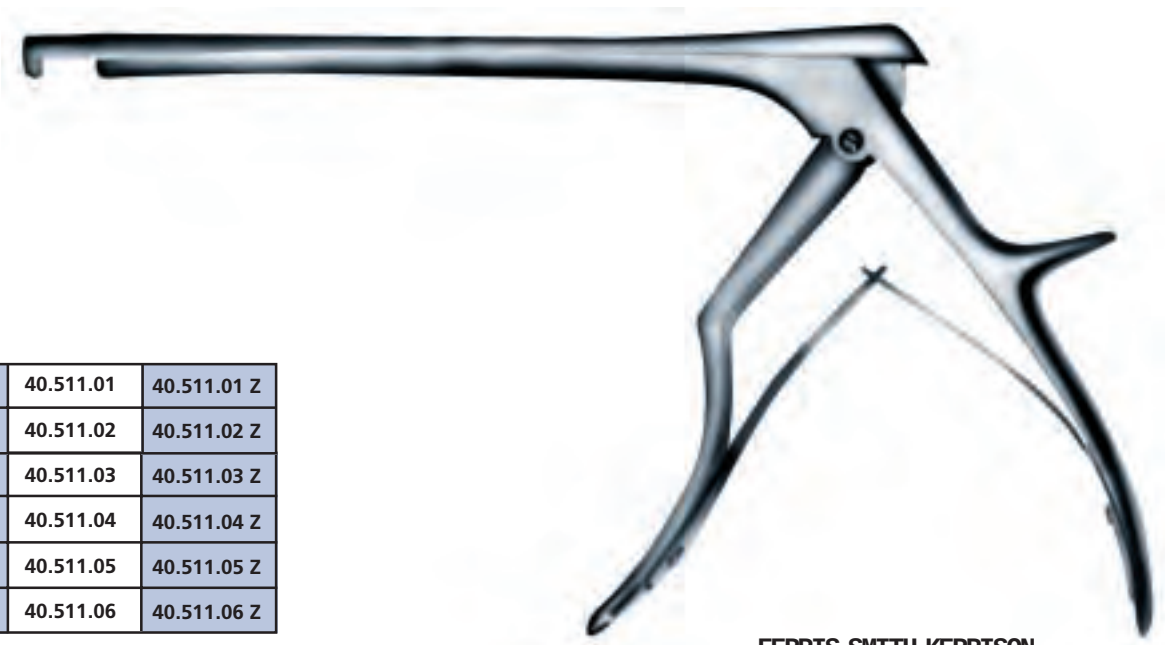
40.510.01 - 40.510.06 Z

18 cm



width
mm

1	40.511.01	40.511.01 Z
2	40.511.02	40.511.02 Z
3	40.511.03	40.511.03 Z
4	40.511.04	40.511.04 Z
5	40.511.05	40.511.05 Z
6	40.511.06	40.511.06 Z



FERRIS SMITH KERRISON

40.511.01 - 40.511.06 Z

18 cm

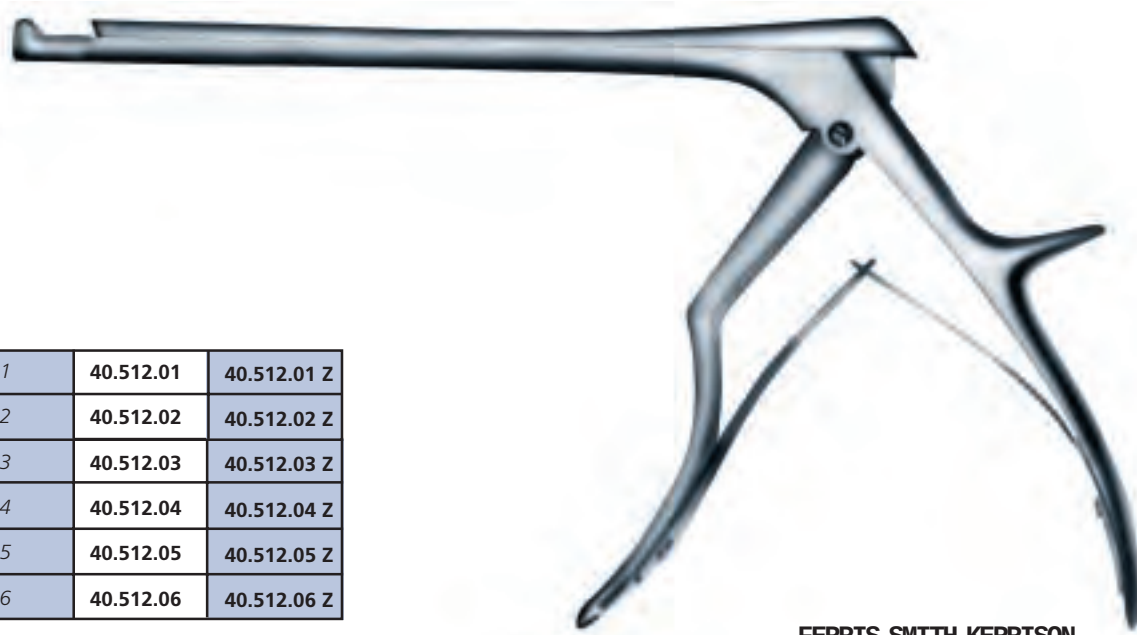




40° up

width
mm

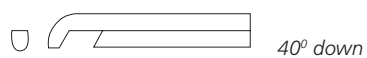
1	40.512.01	40.512.01 Z
2	40.512.02	40.512.02 Z
3	40.512.03	40.512.03 Z
4	40.512.04	40.512.04 Z
5	40.512.05	40.512.05 Z
6	40.512.06	40.512.06 Z



FERRIS SMITH KERRISON

40.512.01 - 40.512.06 Z

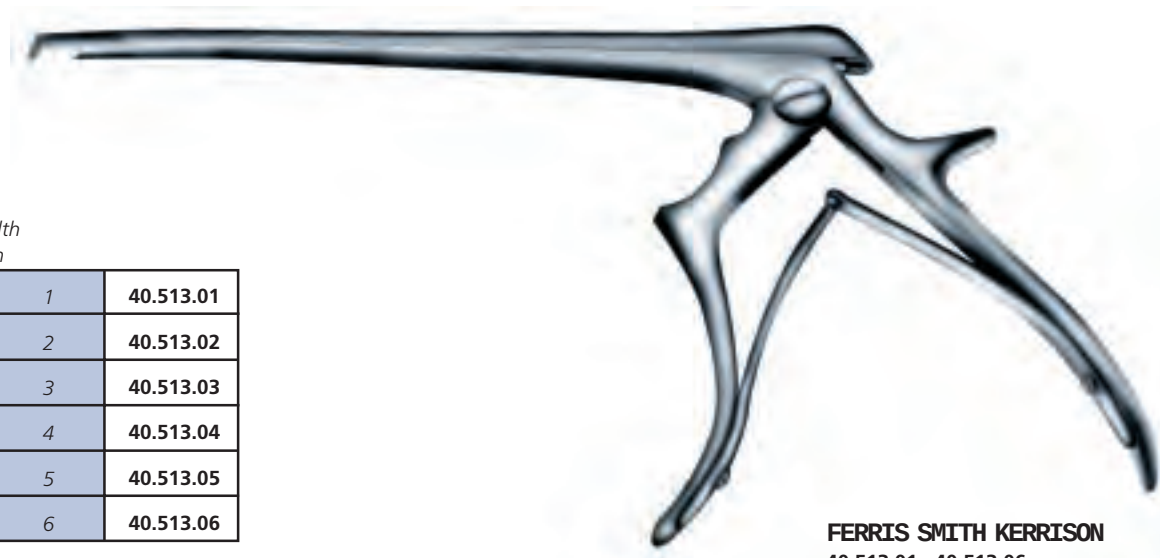
18 cm



40° down

width
mm

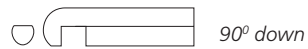
1	40.513.01
2	40.513.02
3	40.513.03
4	40.513.04
5	40.513.05
6	40.513.06



FERRIS SMITH KERRISON

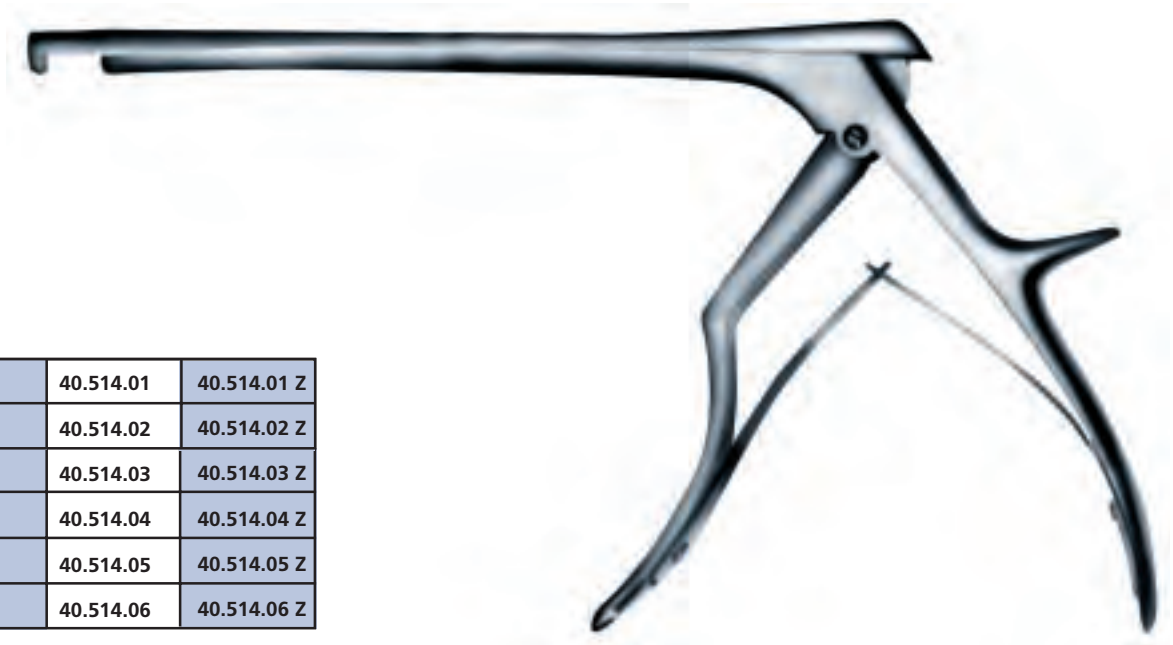
40.513.01 - 40.513.06

18 cm

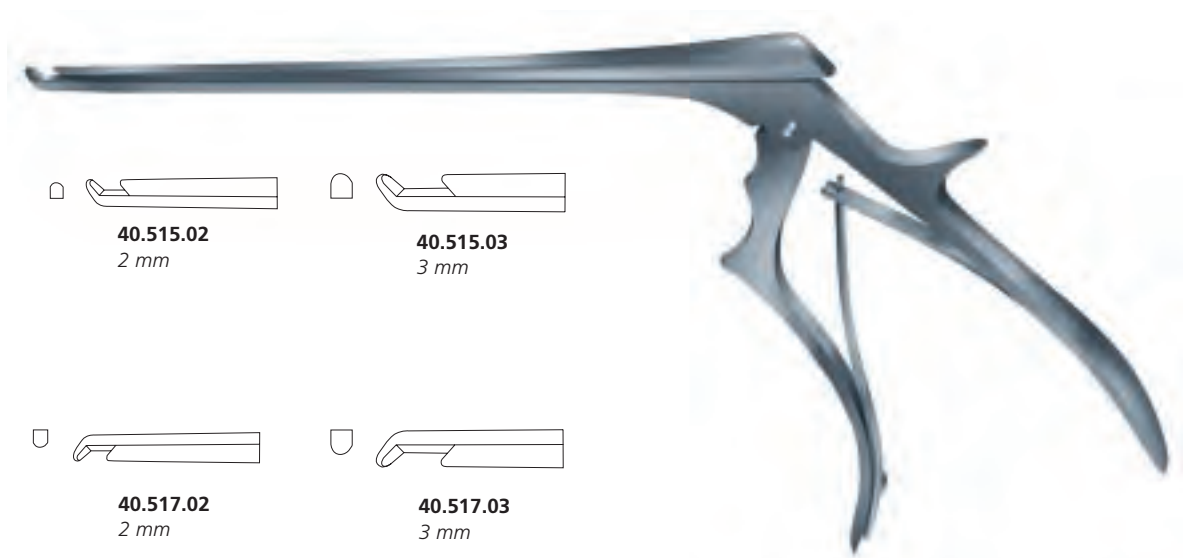
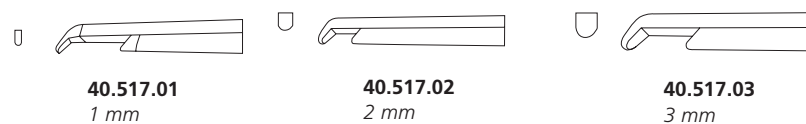
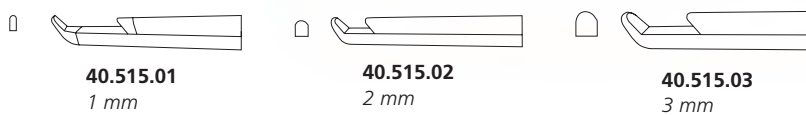


width
mm

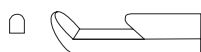
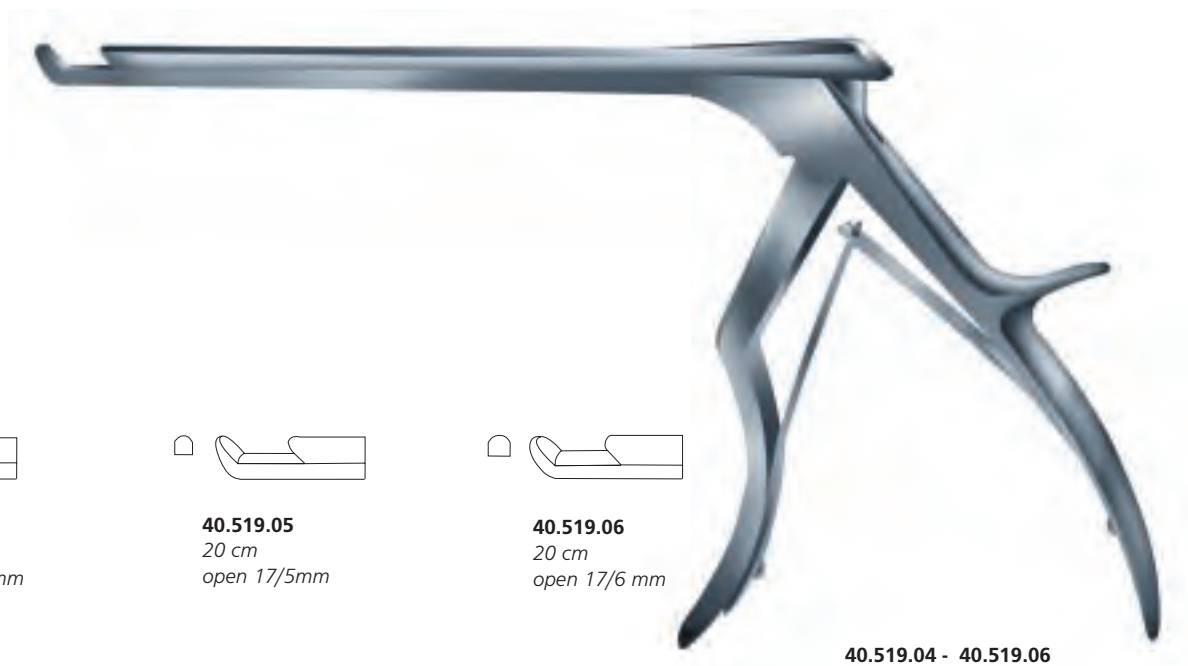
1	40.514.01	40.514.01 Z
2	40.514.02	40.514.02 Z
3	40.514.03	40.514.03 Z
4	40.514.04	40.514.04 Z
5	40.514.05	40.514.05 Z
6	40.514.06	40.514.06 Z



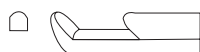
FERRIS SMITH KERRISON
40.514.01 - 40.514.06 Z
20 cm



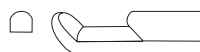
40.515.01 - 40.517.03
17.5 cm



40.519.04
20 cm
open 17/4mm



40.519.05
20 cm
open 17/5mm



40.519.06
20 cm
open 17/6 mm

40.519.04 - 40.519.06



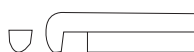
COLCLOUGH
40.520.03
3 mm/15 cm
40.522.03
3 mm/20 cm



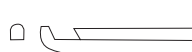
COLCLOUGH
40.520.05
5 mm/15 cm
40.522.05
5 mm/20 cm



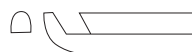
COLCLOUGH
40.524.03
3 mm/15 cm
40.526.03
3 mm/20 cm



COLCLOUGH
40.524.05
5mm/15 cm
40.526.05
5 mm/20 cm



COLCLOUGH
40.527.03
3 mm/15 cm
40.529.03
3 mm/20 cm



COLCLOUGH
40.527.05
5 mm/15 cm
40.529.05
5 mm/20 cm

COLCLOUGH
40.520.03 - 40.529.05



SCHLESING

40.530.03 - 40.532.05

mm/cm

3/15	40.530.03
5/15	40.530.05
3/20	40.532.03
5/20	40.532.05



SCHLESING

40.534.03 - 40.536.05

mm/cm

3/15	40.534.03
5/15	40.534.05
3/20	40.536.03
5/20	40.536.05



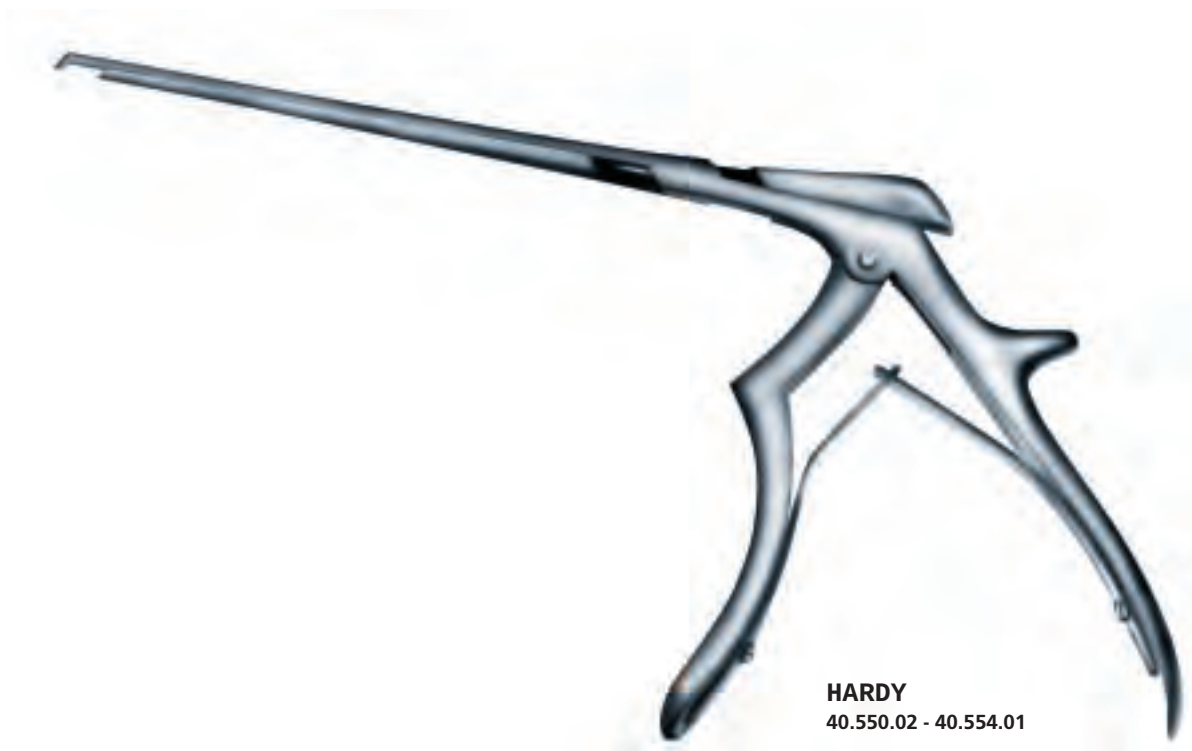
SCHLESING

40.538.03 - 40.540.05

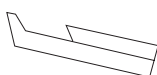
40°

mm/cm

3/15	40.538.03
3/15	40.538.05
3/20	40.540.03
5/20	40.540.05



HARDY
40.550.02 - 40.554.01

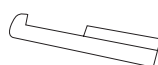


HARDY

40.550.02

40°

2 mm/18 cm

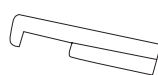


HARDY

40.551.02

90°

2 mm/18 cm



HARDY

40.552.02

90°

2 mm/18 cm

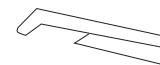


HARDY

40.553.02

40°

2 mm/18 cm



HARDY

40.554.01

40°

1mm/18 cm

see also punches in
chapter 46, eg. 46.303.03 ff.





DEWIMED ANEURYSM CLIPS for permanent and temporary occlusion.

DEWIMED ANEURYSM CLIPS are used to ligate cerebral aneurysms.

The high quality clips are available in two types:

PERMANENT

for permanent ligation with a high and safe pressure up to 200 g / 1,96 N. This clips are used as long-lasting implants.

TEMPORARY

for temporary ligation with a lower pressure up to 90 g / 0,88 N for an intermediate ligation of vessels.

DEWIMED ANEURYSM CLIPS are manufactured from high-grade materials: DEWIMED TITANIUM ANEURYSM CLIPS TiAl6V4 / ISO 5832-II, are made from non-ferro-magnetic TITANIUM material and are therefore MR compatible.

DEWIMED STAINLESS STEEL ANEURYSM CLIPS ISO 5832-I, are manufactured from a high-grade implant steel alloy.

DEWIMED ANEURYSM CLIPS are available in different shapes, allowing the surgeon to choose the one best suited for a given indication:

- jaw lengths 3 mm to 20 mm
- straight - curved - angled - bayonet-shaped
- fenestrated and unfenestrated

Each individual clip is subjected to continuous quality control during and following production, allowing the reliability of the clip to be monitored. In addition to individual final inspection of finish and surfaces, every DEWIMED ANEURYSM CLIP is tested for its clamping force using an electronic, computercontrolled, calibrated balance. This inspection follows the procedures laid down in ISO 9713.

Under these procedures, the clamping force is determined for a 1 mm jaw opening along 1/3 of the jaw (figure 1). This value is logged and can be mined at any time via batch tracing.

To prevent the jaws from coming apart, each clip is fitted with a unique locking at the end of the jaws (figure 2).

Each clip is provided with an individual serial number, allowing traceability back to the raw material (figure 3).

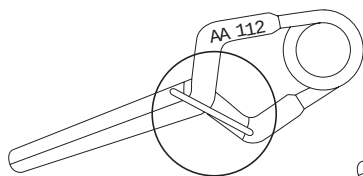
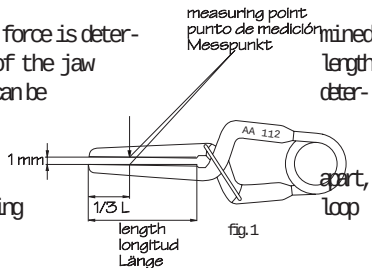


fig.2

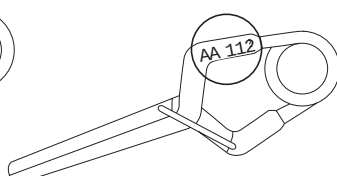


fig.3

DEWIMED ANEURYSM CLIPS are colour-coded for easy identification:

Titanium

permanent	standard	titanium blue
permanent	mini	purple
temporary	standard	gold
temporary	mini	gold

Stainless Steel

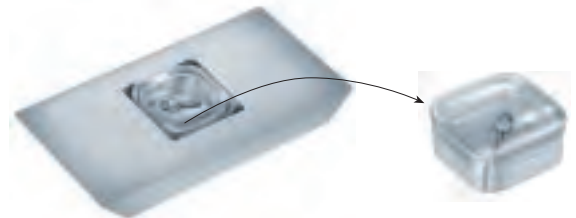
permanent	standard	grey
permanent	mini	grey
temporary	standard	grey jaws / gold spring
temporary	mini	grey jaws / gold spring

DEWIMED ANEURYSM CLIPS are packed individually.

The packaging consists of
folding box = outer packaging



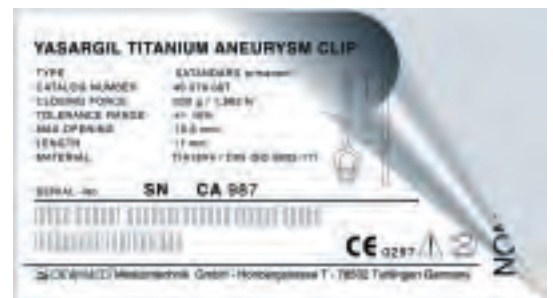
Membrane inner container = primary packaging



A sandwich label which can be detached and used for documentation purposes in the patient file and also for reordering is attached both to the outer packaging and also inside the packaging.

This label carries the following information:

article no.
model
picture
serial number
clamping force
warning



For detailed Information please ask for our brochure DEWIMED ANEURYSM CLIPS, and read the description of use in each DEWIMED ANEURYSM CLIP package.



DEWIMED clips de aneurisma de oclusión permanente y temporal.

Los **DEWIMED** Clips de Aneurisma se utilizan para ocluir aneurismas cerebrales, distinguiéndose entre:

PERMANENTES

para oclusiones permanentes (duraderas) hasta 200 g / 1,96 N. Estos clips son usados como implantes duraderos.

TEMPORALES

para oclusiones temporales hasta 90 g / 0.88 N de vasos.

Los **DEWIMED** clips de aneurisma están fabricados con un material de alta calidad:

DEWIMED CLIPS DE ANEURISMAS DE TITANIO TiAl6V4 / ISO 5832-II, es de un material no ferromagnético, y por lo tanto compatible con la RM.

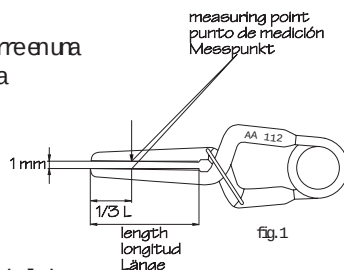
DEWIMED CLIPS DE ANEURISMAS DE ACERO INOXIDABLE ISO 5832-I, se fabrican a base de una aleación de acero de alta calidad para implantes.

Los clips para aneurismas de **DEWIMED** se fabrican en diferentes figuras; su utilización está en función de la indicación y de la elección por parte del cirujano:

- longitudes de boca de 3 mm a 20 mm
- rectos - curvos - acodados - en forma de bayoneta
- fenestrados y no fenestrados

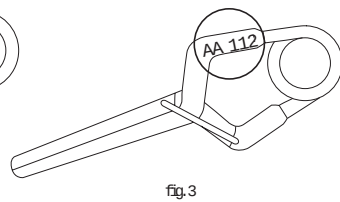
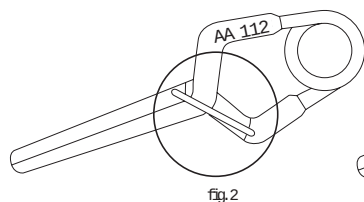
Todos y cada uno de los clips se someten a un control de calidad permanente durante y al final de la producción a fin de comprobar la seguridad del clip. Aparte de este control final de la elaboración y de las superficies, se examina también la presión de cierre de cada clip de aneurisma de **DEWIMED** mediante una balanza electrónica, controlada por ordenador y calibrada. Este control se lleva a cabo en base a la norma ISO 9713.

Para ello se determina la presión de cierre en una apertura de boca de 1 mm y 1/3 de la longitud de boca (fig. 1). Este valor queda registrado en el protocolo y puede comprobarse en todo momento mediante la següibilidad del lote.



Todo clip va provisto en el extremo de la boca de un circlip único para impedir el desvío de las mordazas (fig. 2).

A cada clip se le asigna un número de serie individual que permite su trazabilidad hasta la materia prima (fig. 3).



Todos los **DEWIMED** clips de aneurisma disponen de una codificación con colores para su fácil identificación

Titanio

permanente	estandar	azul titanio
permanente	mini	lila
temporal	estandar	oro
temporal	mini	oro

Acero Inoxidable

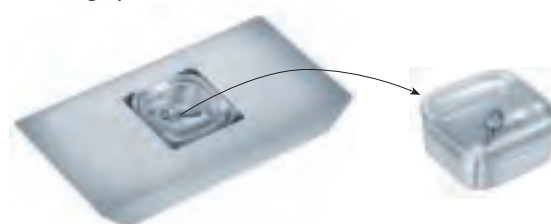
permanente	estandar	gris
permanente	mini	gris
temporal	estandar	boca gris / resorte oro
temporal	mini	boca gris / resorte oro

Cada clip de aneurisma de **DEWIMED** viene en un embalaje individual.

El embalaje consta de
caja plegable = embalaje externo



Envase interior de
membrana = embalaje primario



Tanto sobre del embalaje externo como dentro del embalaje se encuentra una etiqueta tipo sandwich que puede despegarse para documentar el acta del paciente y para realizar nuevos pedidos.

Esta etiqueta contiene la siguiente información:

No. de artículo
Modelo
Ilustración
Número de serie
Presión de cierre
Advertencia



Para información más detallada, pregunte por el folleto **DEWIMED** clips de aneurisma y lea las instrucciones de uso anexos al empaque de cada clip.

DEWIMED ANEURYSMEN CLIPS für permanente und temporäre Okklusion.

Die **DEWIMED ANEURYSMEN CLIPS** werden zur Unterbindung von zerebralen Aneurysmen verwendet. Dabei wird unterschieden in:

PERMANENT

für permanente (dauerhafte) Unterbindung. Druck über 200 g / 1.96 N. und

TEMPORÄR

für vorübergehende Unterbindung von Gefäßen. Druck über 90 g / 0.88 N.

DEWIMED ANEURYSMEN CLIPS werden aus hochwertigem Material hergestellt:

DEWIMED TITAN ANEURYSMEN CLIPS TiAl6V4/ ISO 5832-II, ist aus nicht ferromagnetischem Material und daher MR-kompatibel

DEWIMED EDELSTEHL ANEURYSMEN CLIPS ISO 5832-I, werden aus einer hochwertigen Implantate-Stahl-Legierung hergestellt.

Die **DEWIMED ANEURYSMEN CLIPS** werden in unterschiedlichen Figuren hergestellt, die, je nach Indikation und Auswahl durch den Chirurgen, zum Einsatz kommen:

- Maul-Längen von 3 mm bis 20 mm
- gerade - gebogen - abgewinkelt - bajonettförmig
- gefenstert und ungefenstert

Jeder einzelne Clip unterliegt einer permanenten Qualitätskontrolle während und zum Schluß der Produktion, womit die Sicherheit des Clips kontrolliert wird. Neben der einzelnen Schlußprüfung von Verarbeitung und Oberflächen wird jeder **DEWIMED ANEURYSMEN CLIP** auf seine Schließkraft mittels einer elektronischen, computergesteuerten und geeichten Waage überprüft. Diese Überprüfung erfolgt entsprechend der ISO 9713.

Hierbei wird die Schließkraft bei einer Maulöffnung von 1 mm bei 1/3 der Maullänge ermittelt (Abb. 1).

Dieser Wert wird in einem Protokoll festgehalten und kann über die Chargenrückverfolgung jederzeit festgestellt werden.

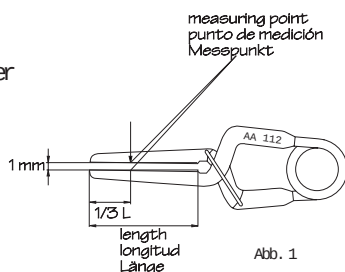


Abb. 1

Um das Ausscheren der Maulteile zu verhindern, besitzt jeder Clip einen einzigartigen Sicherungsbügel am Maulende (Abb. 2).

Jeder Clip wird mit einer individuellen Serien-Nummer versehen, der die Rückverfolgung bis zum Rohmaterial zuläßt (Abb. 3).

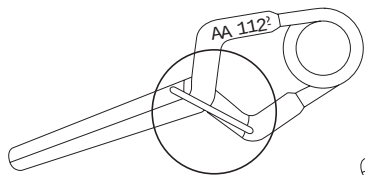


Abb. 2

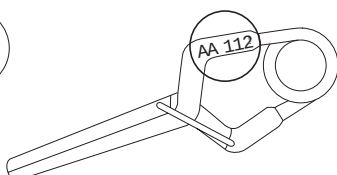


Abb. 3

Alle **DEWIMED ANEURYSMEN CLIPS** werden zur leichten Identifikation mit einer farblichen Codierung gekennzeichnet:

Titan

permanent	standard	titanblau
permanent	mini	lila
temporär	standard	gold
temporär	mini	gold

Edelstahl

permanent	standard	grau
permanent	mini	grau
temporär	standard	Maul grau / Feder gold
temporär	mini	Maul grau / Feder gold

Jeder **DEWIMED ANEURYSMEN CLIP** ist einzeln verpackt.

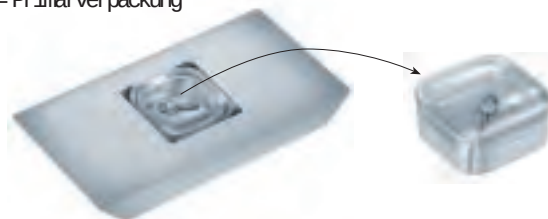
Die Verpackung besteht aus

Faltschachtel = Aussenverpackung



Membran

Innendose = Primärverpackung



Sowohl auf der Aussenverpackung als auch in der Verpackung ist ein Sandwich-Etikett angebracht, das zur Dokumentation für die Patientenakte und für Nachbestellungen abgelöst werden kann.

Dieses Etikett enthält folgende Informationen:

Artikel-Nummer
Typ
Abbildung
Serien-Nummer
Schließkraft
Warnhinweis



Für detaillierte Informationen fragen Sie nach dem **DEWIMED ANEURYSMEN CLIP** Katalog und lesen die dem Clip beige packten Produktinformation und Beschreibung.

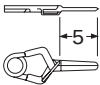
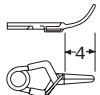


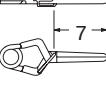
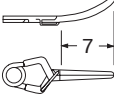
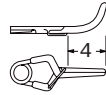
Dewimed mini permanent

	opening (mm)	length (mm)	force g / N		
	3.3	3	110 / 1.08	40.570.33	40.570.33 T
	4.0	5	110 / 1.08	40.572.40	40.572.40 T
	3.2	3	110 / 1.08	40.580.32	40.580.32 T
	3.8	4	110 / 1.08	40.582.38	40.582.38 T
	3.6	4	110 / 1.08	40.590.36	40.590.36 T
	3.3	3	110 / 1.08	40.600.33	40.600.33 T
	4.0	5	110 / 1.08	40.602.40	40.602.40 T
	4.6	7	110 / 1.08	40.604.46	40.604.46 T
	3.6	4	110 / 1.08	40.574.36	40.574.36 T
	3.8	5	110 / 1.08	40.610.38	40.610.38 T

	opening (mm)	length (mm)	force g / N		
	3.6	4	110 / 1.08	40.575.36	40.575.36 T
	4.0	5	110 / 1.08	40.576.40	40.576.40 T
	4.4	7	110 / 1.08	40.612.44	40.612.44 T
	3.5	4	110 / 1.08	40.620.35	40.620.35 T
	4.0	5	110 / 1.08	40.722.40	40.722.40 T
	7.5	4	130 / 1.28	40.577.70	40.577.70 T
	5.7	7	130 / 1.28	40.730.57	40.730.57 T
	4.5	7	130 / 1.28	40.740.45	40.740.45 T
	3.5	5	130 / 1.28	40.750.35	40.750.35 T
	6	6	200 / 1.96	40.578.60	40.578.60 T

Dewimed mini temporary

	opening (mm)	length (mm)	force g / N		
	3.3	3	50 / 0.49	40.571.33	40.571.33 T
	opening (mm)	length (mm)	force g / N		
	4.0	5	50 / 0.49	40.573.40	40.573.40 T
	opening (mm)	length (mm)	force g / N		
	3.8	5	50 / 0.49	40.583.38	40.583.38 T

	opening (mm)	length (mm)	force g / N		
	4.6	7	70 / 0.69	40.605.46	40.605.46 T
	opening (mm)	length (mm)	force g / N		
	4.4	7	70 / 0.69	40.613.44	40.613.44 T
	opening (mm)	length (mm)	force g / N		
	4.0	7	70 / 0.69	40.723.40	40.723.40 T

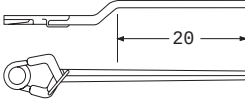
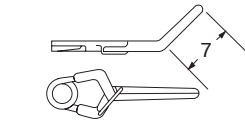
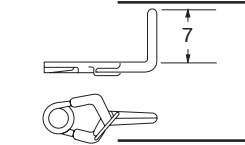
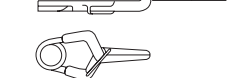
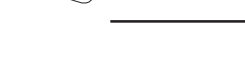


Defined standard permanent

	opening (mm)	length (mm)	force g / N		
	6.2	7	150 / 1.47	40.760.62	40.760.62 T
	7.0	9	180 / 1.77	40.762.70	40.762.70 T
	7.8	11	180 / 1.77	40.764.78	40.764.78 T
	9.2	15	200 / 1.96	40.766.92	40.766.92 T
	10.6	17	200 / 1.96	40.579.06	40.579.06 T
	11.4	20	200 / 1.96	40.768.11	40.768.11 T
	13.3	25	200 / 1.96	40.770.13	40.770.13 T
	6.0	7	150 / 1.47	40.780.60	40.780.60 T
	6.8	9	180 / 1.77	40.782.68	40.782.68 T
	7.5	11	180 / 1.77	40.784.75	40.784.75 T

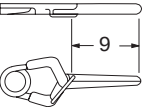
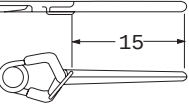
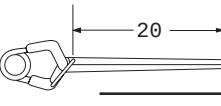
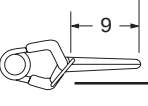
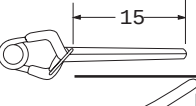
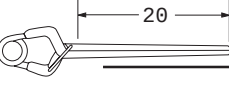
	opening (mm)	length (mm)	force g / N		
	8.7	15	200 / 1.96	40.786.87	40.786.87 T
	5.5	7	150 / 1.47	40.790.55	40.790.55 T
	6.1	9	180 / 1.77	40.792.61	40.792.61 T
	6.5	11	180 / 1.96	40.794.65	40.794.65 T
	7.4	15	200 / 1.96	40.796.74	40.796.74 T
	5.4	7	180 / 1.77	40.580.54	40.580.54 T
	5.8	9	180 / 1.77	40.581.58	40.581.58 T
	6.2	11	180 / 1.77	40.582.62	40.582.62 T
	7.9	7	200 / 1.96	40.798.79	40.798.79 T
	8.7	9	200 / 1.96	40.800.87	40.800.87 T

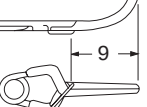
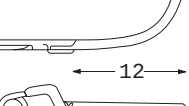
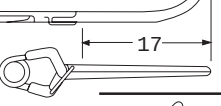
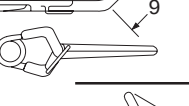
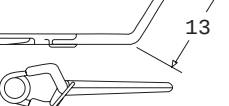
Dewimed standard permanent

	opening (mm)	length (mm)	force g / N				opening (mm)	length (mm)	force g / N		
	10.2	12	200 / 1.96	40.583.02	40.583.02 T		5.4	8	200 / 1.96	40.590.54	40.590.54 T
	11.9	17	180 / 1.77	40.584.12	40.584.12 T		5.6	10	200 / 1.96	40.591.56	40.591.56 T
	13.0	20	180 / 1.77	40.802.13	40.802.13 T		7.2	5	200 / 1.96	40.592.72	40.592.72 T
	6.2	5	200/1.96	40.585.62	40.585.62 T		7.2	9	200 / 1.96	40.593.72	40.593.72 T
	6.5	7	200/1.96	40.810.65	40.810.65 T		8.2	11	200 / 1.96	40.594.82	40.594.82 T
	7.8	9	200/1.96	40.586.78	40.586.78 T		5.7	7	200 / 1.96	40.830.57	40.830.57 T
	8.4	11	200 / 1.96	40.587.84	40.587.84 T		8.0	11	200 / 1.96	40.595.80	40.595.80 T
	5.6	7	200 / 1.96	40.820.45	40.820.45 T		7.0	9	200 / 1.96	40.596.70	40.596.70 T
	5.6	10	200 / 1.96	40.589.56	40.589.56 T						



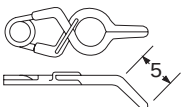
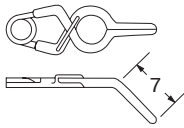
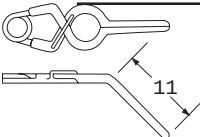
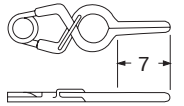
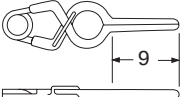
Dewimed standard temporary

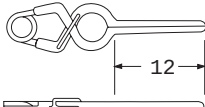
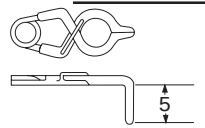
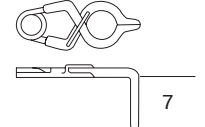
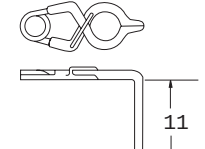
	opening (mm)	length (mm)	force g / N		
	7.0	9	70 / 0.69	40.763.70	40.763.70 T
	opening (mm)	length (mm)	force g / N		
	9.2	15	70 / 0.69	40.767.92	40.767.92 T
	opening (mm)	length (mm)	force g / N		
	11.4	20	90 / 0.88	40.769.11	40.769.11 T
	opening (mm)	length (mm)	force g / N		
	6.8	9	70 / 0.69	40.783.68	40.783.68 T
	opening (mm)	length (mm)	force g / N		
	8.7	15	70 / 0.69	40.787.87	40.787.87 T
	opening (mm)	length (mm)	force g / N		
	11.0	20	90 / 0.88	40.789.11	40.789.11 T

	opening (mm)	length (mm)	force g / N		
	6.1	9	70 / 0.69	40.795.67	40.795.67 T
	opening (mm)	length (mm)	force g / N		
	7.4	15	70 / 0.69	40.797.74	40.797.74 T
	opening (mm)	length (mm)	force g / N		
	9.9	17	90 / 0.88	40.597.99	40.597.99 T
	opening (mm)	length (mm)	force g / N		
	6.2	9	70 / 0.69	40.598.62	40.598.62 T
	opening (mm)	length (mm)	force g / N		
	7.5	13	90 / 0.88	40.599.75	40.599.75 T

Dewimed standard fenestrated

Ø 3.5 mm

	opening (mm)	length (mm)	force g / N		
	5.8	5	150 / 1.47	40.900.58	40.900.58 T
	opening (mm)	length (mm)	force g / N		
	6.5	7	150 / 1.47	40.902.65	40.902.65 T
	opening (mm)	length (mm)	force g / N		
	7.2	11	180 / 1.77	40.904.72	40.904.72 T
	opening (mm)	length (mm)	force g / N		
	7.4	7	150 / 1.47	40.910.74	40.910.74 T
	opening (mm)	length (mm)	force g / N		
	8.4	9	150 / 1.47	40.912.84	40.912.84 T

	opening (mm)	length (mm)	force g / N		
	9.6	12	180 / 1.77	40.914.96	40.914.96 T
	opening (mm)	length (mm)	force g / N		
	4.9	5	150 / 1.47	40.920.49	40.920.49 T
	opening (mm)	length (mm)	force g / N		
	4.9	7	150 / 1.47	40.922.49	40.922.49 T
	opening (mm)	length (mm)	force g / N		
	4.9	11	150 / 1.47	40.924.49	40.924.49 T



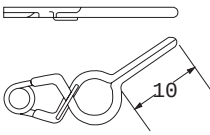
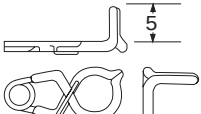
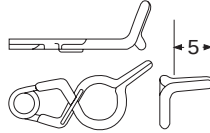
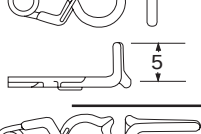
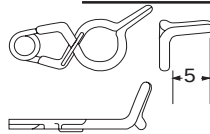
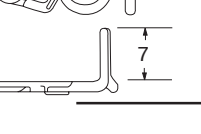
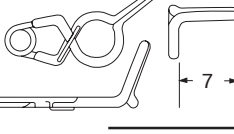
Dewimed standard fenestrated ø 5 mm

	opening (mm)	length (mm)	force g / N		
	7.9	5	150 / 1.47	40.930.79	40.930.79 T
	8.8	7	150 / 1.47	40.932.88	40.932.88 T
	10.0	11	150 / 1.47	40.934.10	40.934.10 T
	7.9	7	150 / 1.47	40.940.79	40.940.79 T
	9.1	9	150 / 1.47	40.942.91	40.942.91 T
	10.3	12	180 / 1.77	40.944.10	40.944.10 T
	6.5	5	150 / 1.47	40.950.65	40.950.65 T
	7.2	7	150 / 1.47	40.952.72	40.952.72 T
	7.8	11	180 / 1.77	40.954.78	40.954.78 T
	5.5	5	150 / 1.47	40.960.55	40.960.55 T

	opening (mm)	length (mm)	force g / N		
	5.5	7	150 / 1.47	40.962.55	40.962.55 T
	5.5	11	180 / 1.77	40.964.55	40.964.55 T
	5.8	5	150 / 1.47	40.600.58	40.600.58 T
	5.8	7	150 / 1.47	40.601.58	40.601.58 T
	5.8	7	150 / 1.47	40.602.58	40.602.58 T
	5.8	5	150 / 1.47	40.603.58	40.603.58 T
	5.8	7	150 / 1.47	40.604.58	40.604.58 T
	5.8	10	150 / 1.47	40.605.58	40.605.58 T
	7	5	150 / 1.47	40.606.70	40.606.70 T
	7.8	7	150 / 1.47	40.607.78	40.607.78 T

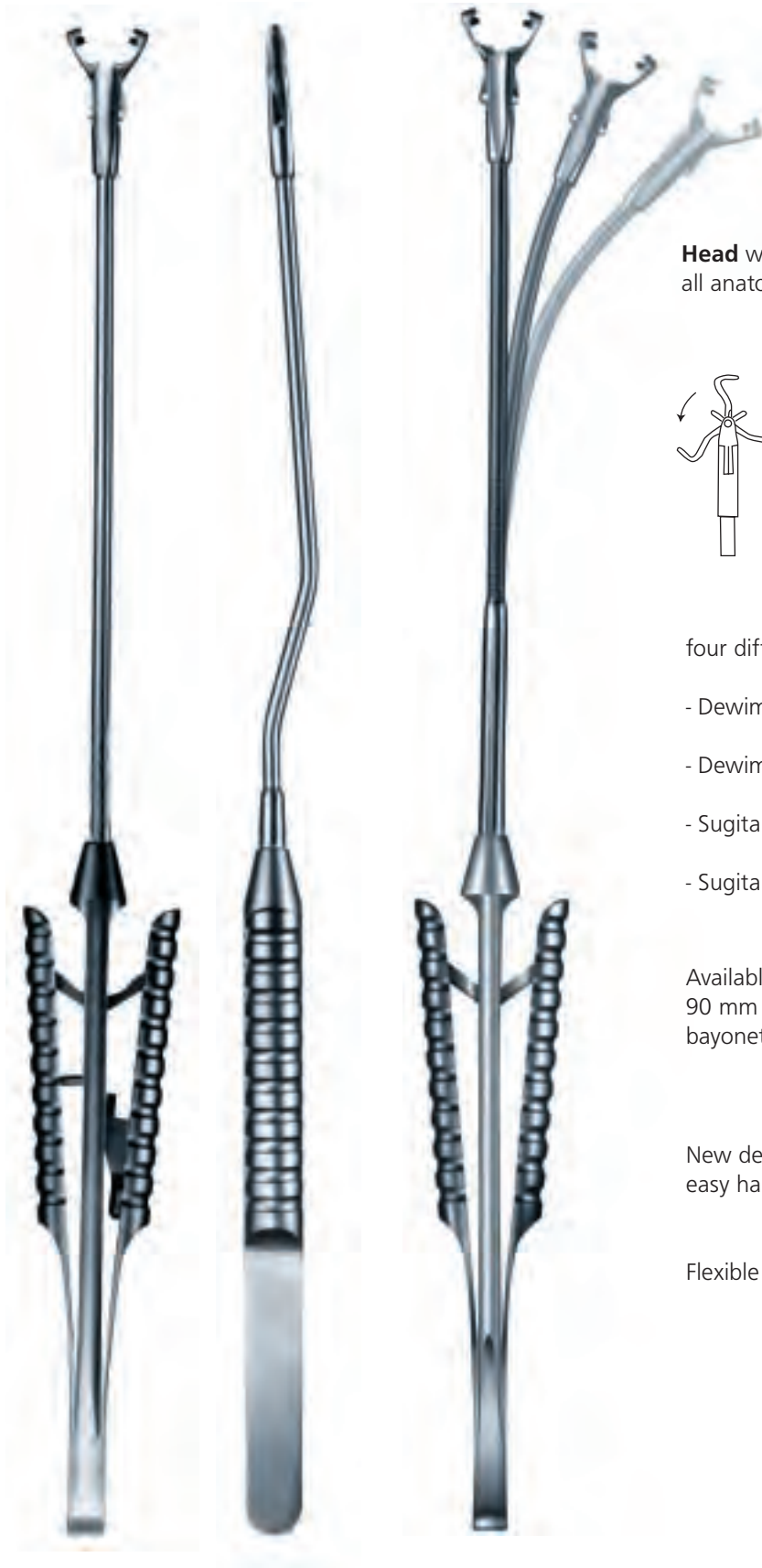
Dewimed standard fenestrated

Ø 5 mm

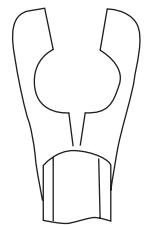
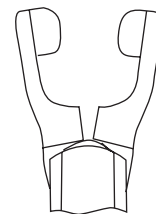
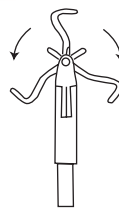
	opening (mm)	length (mm)	force g / N				opening (mm)	length (mm)	force g / N		
	8.8	10	150 / 1.47	40.608.88	40.608.88 T		5.6	5	150 / 1.47	40.613.56	40.613.56 T
	5.8	5	150 / 1.47	40.609.58	40.609.58 T		5.6	7	150 / 1.47	40.614.56	40.614.56 T
	6.2	7	150 / 1.47	40.610.62	40.610.62 T		5.6	5	150 / 1.47	40.615.56	40.615.56 T
	6.8	5	150 / 1.47	40.611.68	40.611.68 T		5.6	7	150 / 1.47	40.616.56	40.616.56 T
	6.2	7	150 / 1.47	40.612.62	40.612.62 T						



MALU Aneurysm Clip Applying Forceps



Head with straight or rotatable jaws allows to reach all anatomic situations.



four different sizes available for

- Dewimed **MINI** Aneurysm Clips
- Dewimed **STANDARD** Aneurysm Clips
- Sugita **STANDARD** Aneurysm Clips
- Sugita **LARGE** Aneurysm Clips

Available in working length of 70 mm, 90 mm and 110 mm in straight, rotatable, bayonet and/or flexible design

New designed handpiece for secure and easy handling.

Flexible type without lock.



MALU applicer Dewimed mini

40.779.10 - 40.779.91

<i>rigid</i>	70 mm	90 mm	110 mm
<i>non rotating</i>			40.779.10
<i>rotating</i>			40.779.11
<i>non rotating</i>	40.779.70		
<i>rotating</i>	40.779.71		
<i>non rotating</i>		40.779.90	
<i>rotating</i>		40.779.91	

MALU applicer Dewimed standard

40.780.10 - 40.780.91

<i>rigid</i>	70 mm	90 mm	110 mm
<i>non rotating</i>			40.780.10
<i>rotating</i>			40.780.11
<i>non rotating</i>	40.780.70		
<i>rotating</i>	40.780.71		
<i>non rotating</i>		40.780.90	
<i>rotating</i>		40.780.91	

MALU applicer Sugita large

40.780.10 S - 40.779.91 S

<i>rigid</i>	70 mm	90 mm	110 mm
<i>non rotating</i>			40.780.10 S
<i>rotating</i>			40.780.11 S
<i>non rotating</i>	40.780.70 S		
<i>rotating</i>	40.780.71 S		
<i>non rotating</i>		40.780.90 S	
<i>rotating</i>		40.780.91 S	

MALU applicer Sugita standard

40.779.10 S - 40.779.91 S

<i>rigid</i>	70 mm	90 mm	110 mm
<i>non rotating</i>			40.779.10 S
<i>rotating</i>			40.779.11 S
<i>non rotating</i>	40.779.70 S		
<i>rotating</i>	40.779.71 S		
<i>non rotating</i>		40.779.90 S	
<i>rotating</i>		40.779.91 S	



MALU applier Dewimed mini
40.779.12 - 40.779.93

360° revolving	70 mm	90 mm	110 mm
non rotating			40.779.12
rotating			40.779.13
non rotating	40.779.72		
rotating	40.779.73		
non rotating		40.779.92	
rotating		40.779.93	

MALU applier Dewimed standard
40.780.12 - 40.780.93

360° revolving	70 mm	90 mm	110 mm
non rotating			40.780.12
rotating			40.780.13
non rotating	40.780.72		
rotating	40.780.73		
non rotating		40.780.92	
rotating		40.780.93	

MALU applier Sugita large
40.780.12 S - 40.780.93 S

360° revolving	70 mm	90 mm	110 mm
non rotating			40.780.12 S
rotating			40.780.13 S
non rotating	40.780.72 S		
rotating	40.780.73 S		
non rotating		40.780.92 S	
rotating		40.780.93 S	

MALU applier Sugita standard
40.779.12 S - 40.779.93 S

360° revolving	70 mm	90 mm	110 mm
non rotating			40.779.12 S
rotating			40.779.13 S
non rotating	40.779.72 S		
rotating	40.779.73 S		
non rotating		40.779.92 S	
rotating		40.779.93 S	





MALU applicator Dewimed mini

40.781.10 - 40.781.91

bayonet-shaped	70 mm	90 mm	110 mm
non rotating			40.781.10
rotating			40.781.11
non rotating	40.781.70		
rotating	40.781.71		
non rotating		40.781.90	
rotating		40.781.91	

MALU applicator Dewimed standard

40.782.10 - 40.782.91

bayonet-sharped	70 mm	90 mm	110 mm
non rotating			40.782.10
rotating			40.782.11
non rotating	40.782.70		
rotating	40.782.71		
non rotating		40.782.90	
rotating		40.782.91	

MALU applicator Sugita large

40.782.10 S - 40.782.91 S

bayonet-shaped	70 mm	90 mm	110 mm
non rotating			40.782.10 S
rotating			40.782.11 S
non rotating	40.782.70 S		
rotating	40.782.71 S		
non rotating		40.782.90 S	
rotating		40.782.91 S	

MALU applicator Sugita standard

40.781.10 S - 40.781.91 S

bayonet-shaped	70 mm	90 mm	110 mm
non rotating			40.781.10 S
rotating			40.781.11 S
non rotating	40.781.70 S		
rotating	40.781.71 S		
non rotating		40.781.90 S	
rotating		40.781.91 S	



MALU applier Dewimed mini
40.775.10 - 40.775.91

flexible	70 mm	90 mm	110 mm
rotating			40.775.10
non rotating			40.775.11
rotating	40.775.70		
non rotating	40.775.71		
rotating		40.775.90	
non rotating		40.775.91	

MALU applier Dewimed standard
40.776.10 - 40.776.91

flexible	70 mm	90 mm	110 mm
rotating			40.776.10
non rotating			40.776.11
rotating	40.776.70		
non rotating	40.776.71		
rotating		40.776.90	
non rotating		40.776.91	

MALU applier Sugita large
40.776.10 S - 40.776.91 S

flexible	70 mm	90 mm	110 mm
rotating			40.776.10 S
non rotating			40.776.11 S
rotating	40.776.70 S		
non rotating	40.776.71 S		
rotating		40.776.90 S	
non rotating		40.776.91 S	

MALU applier Sugita standard
40.775.10 S - 40.775.91 S

flexible	70 mm	90 mm	110 mm
rotating			40.775.10 S
non rotating			40.775.11 S
rotating	40.775.70 S		
non rotating	40.775.71 S		
rotating		40.775.90 S	
non rotating		40.775.91 S	





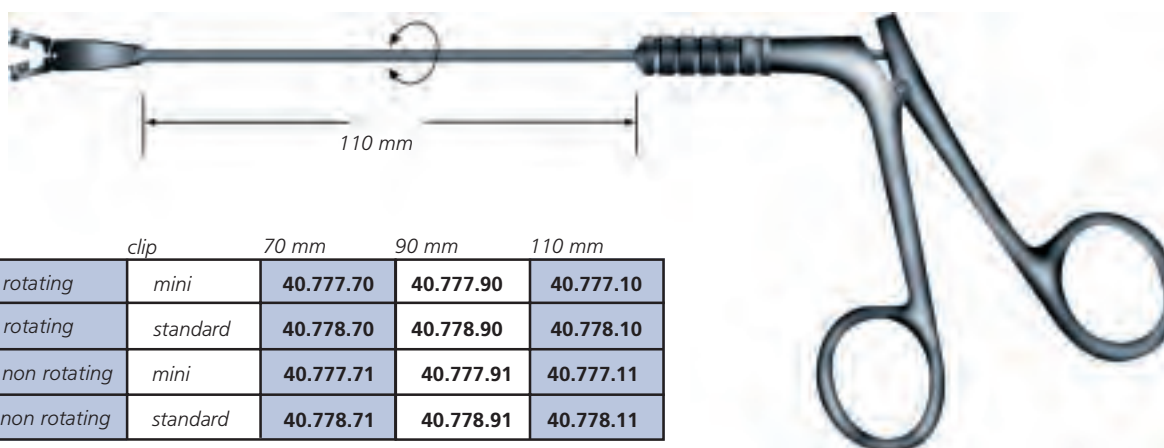
DEWIMED
40.772.17 - 40.774.73
bayonet

	clip	170 mm	210 mm	230 mm
non rotating	mini	40.772.17		
non rotating	standard	40.774.17		
rotating	mini	40.772.67		
rotating	standard	40.774.67		
non rotating	mini		40.772.21	
non rotating	standard		40.774.21	
rotating	mini		40.772.71	
rotating	standard		40.774.71	
non rotating	mini			40.772.23
non rotating	standard			40.774.23
rotating	mini			40.772.73
rotating	standard			40.774.73

	clip	180 mm
non rotating	mini	40.772.18
non rotating	standard	40.774.18
rotating	mini	40.772.68
rotating	standard	40.774.68



DEWIMED
40.772.18 - 40.774.68
straight

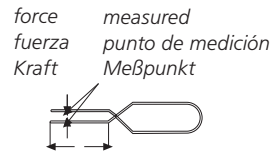


	clip	70 mm	90 mm	110 mm
rotating	mini	40.777.70	40.777.90	40.777.10
rotating	standard	40.778.70	40.778.90	40.778.10
non rotating	mini	40.777.71	40.777.91	40.777.11
non rotating	standard	40.778.71	40.778.91	40.778.11

CASPAR
40.777.10 - 40.778.91



BIEMER
40.996.14
with lock
14.5

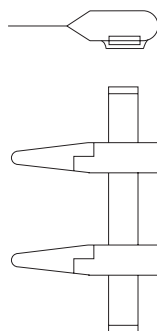


BIEMER
90.900.40 - 90.994.60

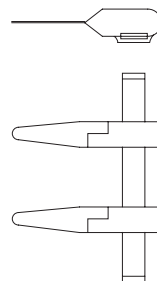
	opening (mm)	length (mm)	force g / N	
	4	6	30 - 40 g 0.29 - 0.39 N	40.900.40
	5	9	30 - 40 g 0.29 - 0.39 N	40.992.50
	5	6	20 - 25 g 0.20 - 0.25	40.994.60



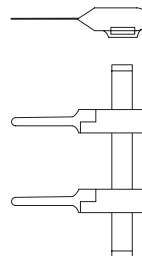
BIEMER
40.998.14
14.5 cm



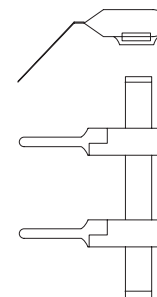
BIEMER MUELLER
40.996.30
opening 3 mm
4.5 mm



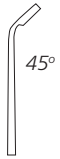
BIEMER MUELLER
40.996.50
opening 5 mm
9 mm



BIEMER MUELLER
40.998.50
opening 5 mm
9 mm

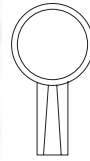


BIEMER MUELLER
40.999.50
opening 5 mm
9 mm



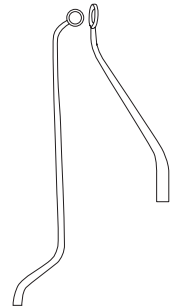
horizontal	40.811.04
vertical	40.813.04

RAY
40.811.04
ø 4 mm
18 cm

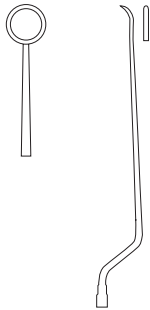


ø mm	
4	40.815.04
6	40.815.06

HARDY
40.815.04 - 40.815.06
26 cm



NICOLA
40.817.65 - 40.819.65
ø 6.5 mm
21.5 cm



NICOLA
40.821.65
ø 6.5 mm
21.5 cm



40.831.01
enucleator, blunt
rechts right



40.831.02
enucleator, sharp
rechts right



40.831.03
enucleator, sharp
rechts right



40.831.04
implat fork
24.5 mm



40.832.01
dissector
24.5 cm



40.832.02
dissector
24.5 cm

HARDY FAHLBUSCH

HARDY
40.831.00 - 40.831.04
24.5 cm



ø mm

3	40.850.03
5	40.850.05

HARDY

40.850.03 - 40.850.05

angled up
24 cm



ø mm

3	40.851.03
5	40.851.05

HARDY

40.851.03 - 40.851.05

angled down
24 cm



40.833.02 40.834.02

HARDY

40.833.02 - 40.834.02

tip width
24.5 mm



LANDOLT
40.835.01
malleable
26 cm



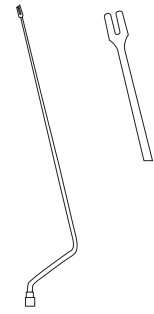
LANDOLT
40.835.02
malleable
26 cm



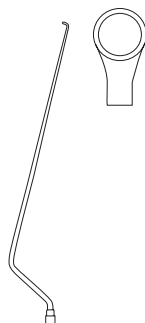
LANDOLT
40.835.03
malleable
26 cm



LANDOLT
40.835.04
malleable
26 cm



HOSOBUCHI
40.836.00
malleable
26 cm



FAHLBUSCH
40.841.25
ø 2.5 mm
26 cm



LANDOLT REULEN
40.843.22
ø 2.2 mm
40.843.32
ø 3.2 mm
26 cm



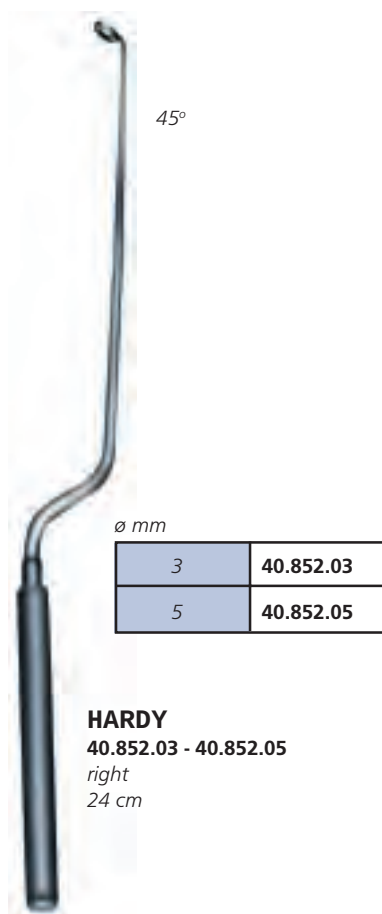
40.845.25
ø 2.5 mm



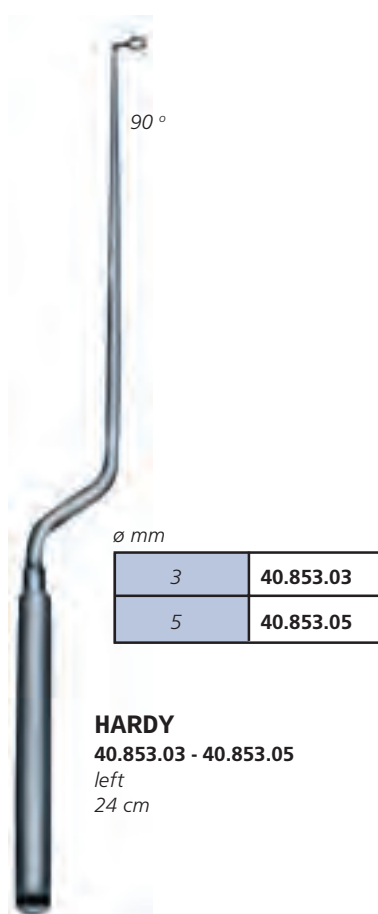
40.849.20
2 mm



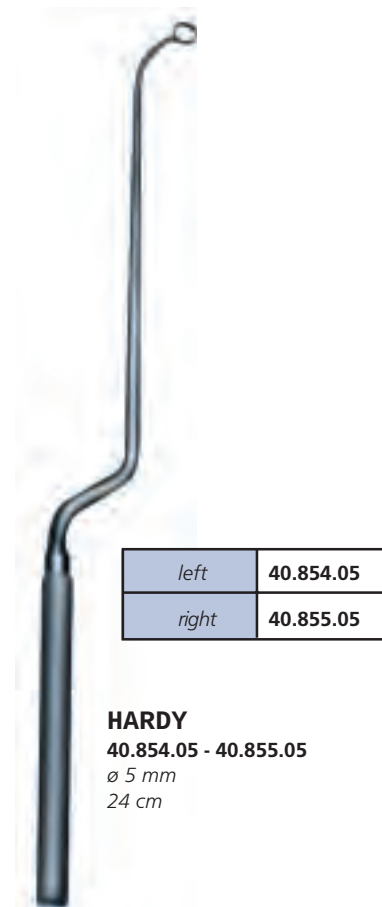
40.847.17
1.7 mm



HARDY
40.852.03 - 40.852.05
right
24 cm



HARDY
40.853.03 - 40.853.05
left
24 cm



HARDY
40.854.05 - 40.855.05
ø 5 mm
24 cm



HARDY
40.856.24
23.5 cm
bayonet,
malleable.



40.859.03
21 cm
bayonet



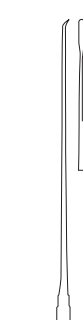
40.863.23 - 40.869.23
23 mm
curved



40.865.23



40.867.23



40.868.23



40.869.23



CUSHING LANDOLT
40.801.70 - 40.802.10

mm

70 x 15	40.801.70
90 x 15	40.801.90
110 x 15	40.802.10



LANDOLT
40.804.21
21 cm



FAHLBUSCH
40.881.16
16.5 cm



NICOLA
40.882.16
16.5 cm
ø 2.5 mm



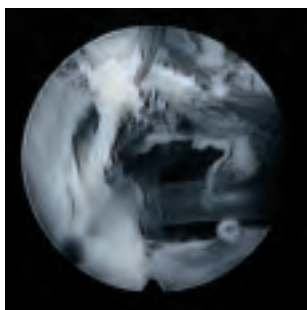
NICOLA
40.884.16
16.5 cm



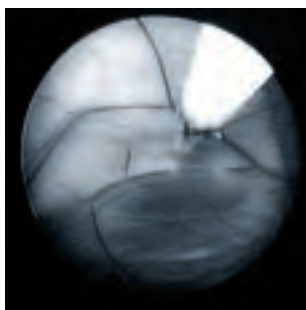
DEWIMED NICOLA
40.886.16
16.5 cm



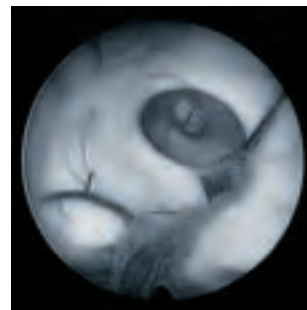
CAEMAERT neuroendoscopy
CAEMAERT neuroendoscopia
CAEMAERT Neuroendoskopie



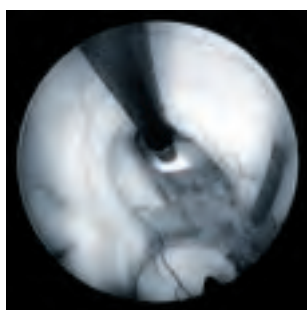
the use of cutting laser on a septum



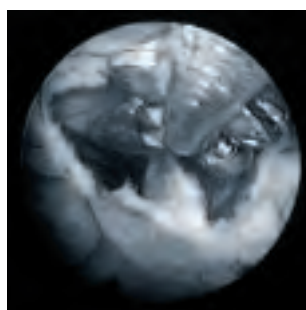
laser coagulation of the blood vessels in a septum pellucidum



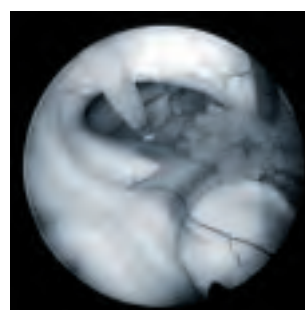
endoscopic view of a choristoma through the foramen of Monro



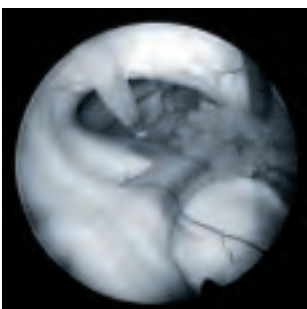
use of the flexible endoscope advanced through the foramen of Monro to inspect the cyst and surroundings



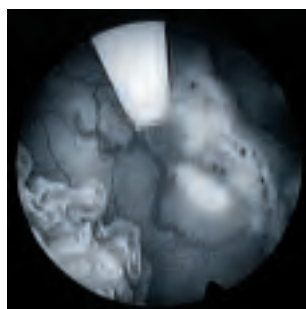
grasping a specimen with forceps



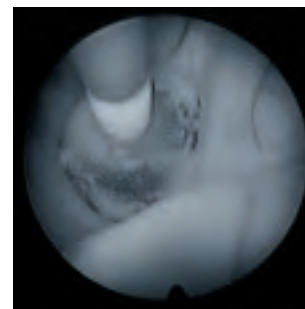
bipolar coagulation of the floor of the third ventricle



opening of the cyst wall with a cutting laser



laser coagulation of the surface vessels



perforation and dilatation with a balloon catheter

all endo-photos were taken during neuro-endoscopic procedures carried out by Prof. Dr. J. Caemaert.



PANOVIEW telescope
8959.431 - 8765.902

	vision angle	ø mm	working length	
	5°			8959.431
		6 mm	295 mm	8765.001



flexible mini-fiberscope
7321.164
1.6 mm / 5 charrier

detachable eyepiece
active deflection of 90° in one direction
immersible and suitable for gas sterilisation

ocular desarmable
ángulo de flección de 90° hacia una dirección
sumergible y esterilizable

abnehmbares Okular
aktive Abwinkelung von 90° einseitig
einleg- und gassterilisierbar

flexible	ø	instrument carrier ø	WL	
flexible mini-fiberscope including instrument port (8954.765), water tightness tester (163.903), gas sterilisation valve (163.904), cleaning probe wl 1000 mm	1.6 mm 5 charr./Fr.	0.65 mm 1.9 charr./Fr.	450 mm for cholelndochoscopy neuroendoscopy	7321.164





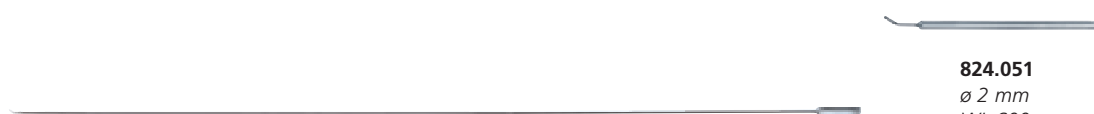
flexible instruments
828.07 - 830.07

		$\varnothing$	WL	
grasping forceps		2.2 mm	375 mm	828.07
biopsy forceps		2.2 mm	375 mm	829.07
scissor		2.2 mm	375 mm	830.07



suction biopsy needle
8765.751

8765.751
 $\varnothing$ 2 mm
WL 400 mm

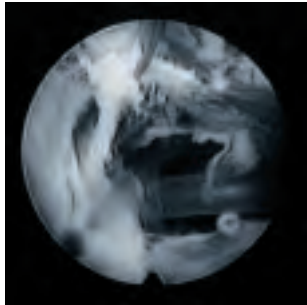


hook electrode
824.051

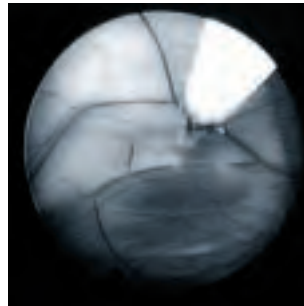
824.051
 $\varnothing$ 2 mm
WL 600 mm



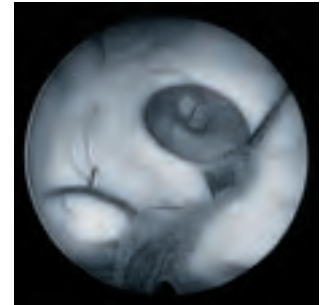
HOPF pediatric neuroendoscope system
HOPF neuroendoscopia
HOPF Kinderneuroendoskopie



endoscopic view of foramen of



endoscopic view of the floor of
the third ventricle



endoscopic view of the
fenestrated floor

- small diameter - 4.4 x 3.3 mm or 6.1 x 4.8 mm
- telescopes with direction of view 5°, 25° or 70°
- different sheaths and working elements
- insert for steering instruments around the corner
- fixation device
- variety of auxiliary instruments

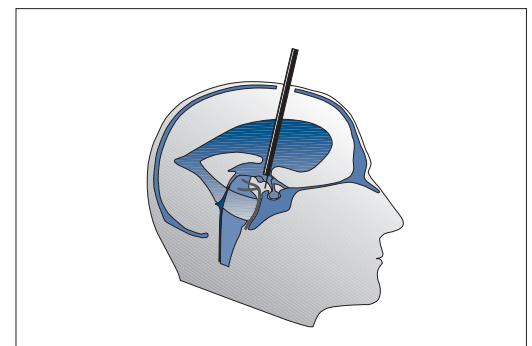


Figure 1. drawing of endoscopic third ventriculostomy.

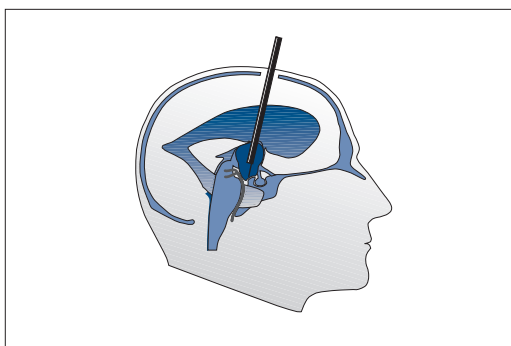


Figure 2. drawing of endoscopic cyst fenestration

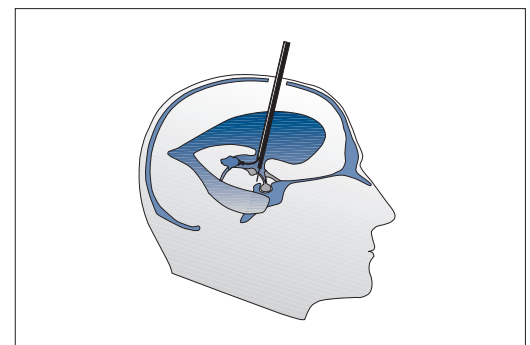


Figure 3. drawing of endoscopic view and biopsy of the
intraventricular tumor by third ventriculostomy through a
single burrhole.



telescopes
8672.411 - 8672.413

<i>panoview plus</i>	<i>vision angle</i>	<i>ø</i>	<i>WL</i>	
	0°	2.7 mm		8672.411
	25°	2.7 mm		8672.412
	70°	2.7 mm		8672.413



sheath for infants
8766.001



8766.001-A
sheath for infants
dimension 4.5 x 3.3 mm
WL 145 mm
3 carrier



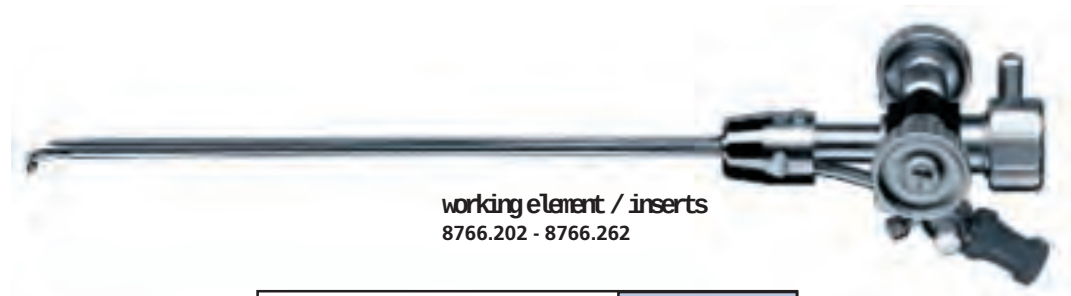
8766.001-B
obturator



sheath for infants
8766.002 - 8766.003

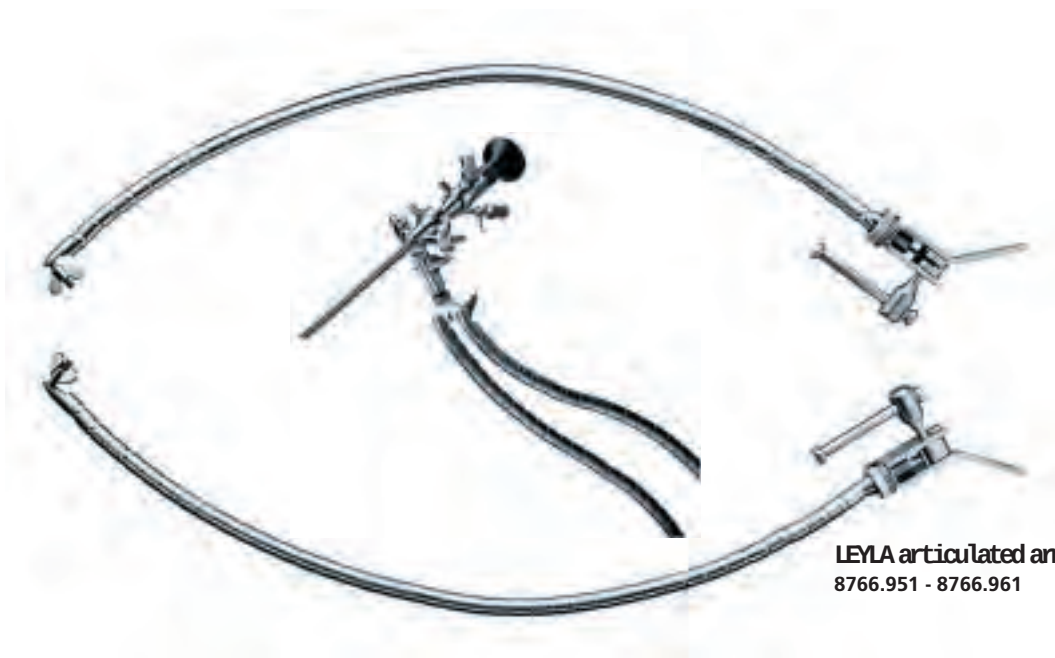
	dimension	W L	charrier	
	5.8 x 4.8 mm	125 mm	2 x 5 1 x 6	8766.002
	5.8 x 4.8 mm	125 mm	2 x 5 1 x 6	8766.003*
				8766.012 obturator

*working element and inserts



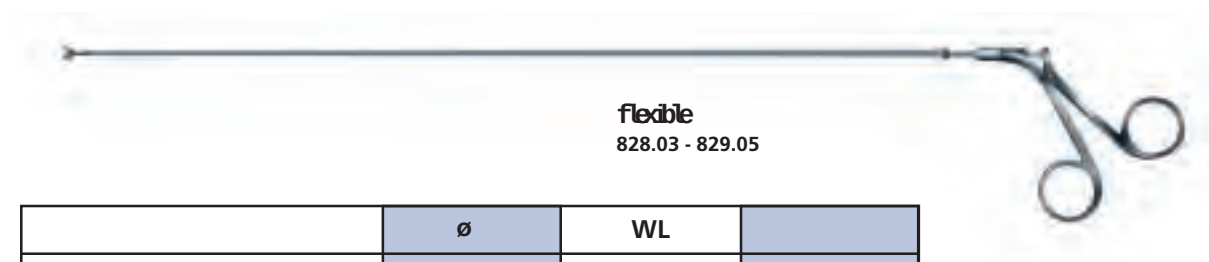
working element / inserts
8766.202 - 8766.262

	8766.202
	8766.261
	8766.262



LEYLA articulated arm
8766.951 - 8766.961

	articulated arm (LEYLA)	8766.951
	for 8766.951	8766.961



flexible
828.03 - 829.05

	Ø	WL	
	3 charr	260 mm	828.03
	5 charr	365 mm	828.05
	3 charr	260 mm	829.03
	5 charr	315 mm	829.05



bipolar electrodes
8765.613 - 8765.614

		WL	pieces	
	2 mm	400 mm	3	8765.612
	2mm	400 mm	3	8765.613
	2 mm	400 mm	3	8765.614
	2 mm	400 mm	3	8765.621

also:
connecting part, bipolar, with EC-connector**8765.554**



button electrodes
823.031 - 823.06

	Ø	WL	
	3 charr	400 mm	823.031
	5 charr	400 mm	823.05
	6 charr	400 mm	823.06





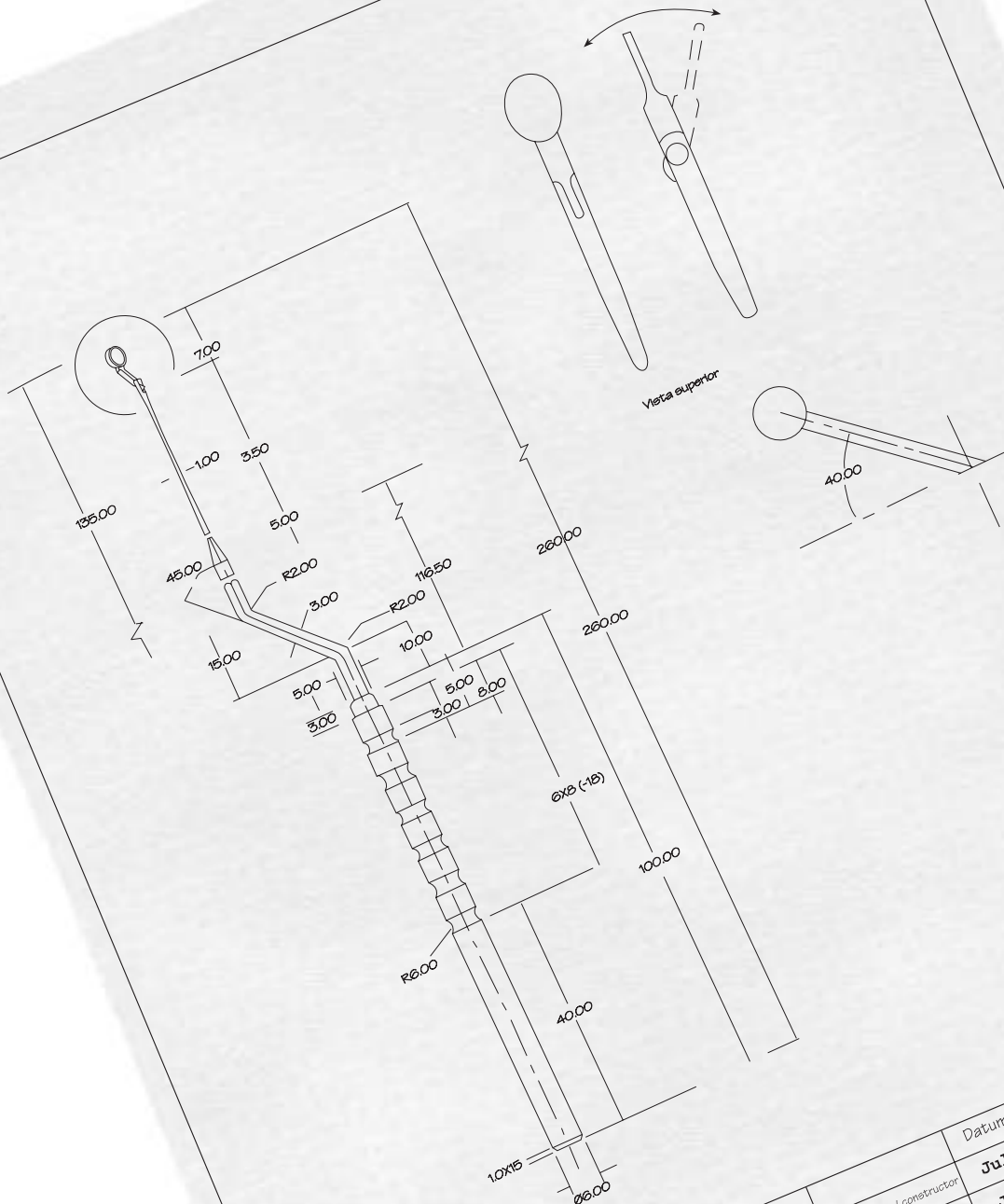
BRAIN SURGERY Cirugía del Cerebro Hirnochirurgie

Scientific neurosurgery started for real in the 19th century with the presence of anesthesia. The first surgery under ether anesthesia was successfully performed in 1867, by William MacEwen, a Scottish general surgeon in Boston in the Massachusetts General Hospital. But before the invention of anesthesia and the practice of asepsis, brain surgery was an awful mess. Historical records show that surgery of the brain was practiced already before Christ. Most of the operations were performed for treating madness, epilepsy and other brain diseases, superficial tumors, fractures and brain trauma, especially those caused by weapons. However, most of the patients died.

La Neurocirugía tuvo su inicio en el siglo XIX con la presencia de la anestesia. La primera cirugía con anestesia fue efectuada por William MacEwen, un cirujano general escocés y tuvo lugar exitosamente en Boston en el Massachusetts General Hospital en 1867. Sin embargo antes de la invención de la anestesia y de la práctica de la asepsia, cirugías en el cerebro eran un lío espantoso. Menciones históricas comprueban que la cirugía del cerebro ya se practicaba desde antes de Cristo. La mayoría de las cirugías intencionaban curar locura, epilepsia y otras enfermedades del cerebro, tumores superficiales, fracturas y traumas, especialmente causados por armas. La mayoría de los pacientes morían.

Erst die Fortentwicklung der Anästhesie machte zu Beginn des 19. Jahrhunderts auch die Durchführung von neurochirurgischen Eingriffen möglich. Von William MacEwen, einem schottischen Allgemeinchirurgen, wurde 1867 im Bostoner Massachusetts General Hospital der erste neurochirurgische Eingriff unter Äther Anästhesie vorgenommen. Zuvor, ohne Asepsis und Anästhesie, waren solche Eingriffe furchtbare Angelegenheiten, die zumeist mit dem Tod des Patienten endeten. Historische Unterlagen beschreiben, dass sogenannte Hirnochirurgien bereits weit vor unserer Zeitrechnung durchgeführt wurden um Wahnsinn, Epilepsie, oberflächliche Tumoren und Wafferverletzungen wie Brüche zu behandeln.





GENERAL CATALOGUE

Konstruktör / constructor
gezeichnet / dibujado
geprüft / verificado
Toleranz / tolerancia

Datum / fecha
July '98
July '98
June '99

Name / nombre
cvd/jvd
cvd
mj

Plan / plano 1
Maasstab / escala 1:1
Abt. / acot. mm
Artikel / artículo
Artikel-Nr. / No. de artículo





New Line

- TITANIUM and Stainless Steel
- malleable
- new and ergonomic handpiece

Malleable

All of the LOYO instruments are malleable in the 50 mm from the working tip downward, Titanium, as well as Stainless Steel. This makes it possible to reach all anatomic regions in the small approach to the hypophysis.

Dimensions

The LOYO instruments are designed for the microscopic application. The length of these instruments is adjusted to the surgical steps opening and approach, resection of the tumor and closure of the sphenoidal region. The indicated length of the instrument is measured from the first angle up to the angle of the tip.

Nueva Línea

- TITANIO y acero inoxidable
- maleable
- nuevo mango ergonómico

Maleable

Todos los instrumentos LOYO, tanto en titanio, como en acero inoxidable, son maleables en los 50 mm de la punta de trabajo. Por lo que facilita el alcance de cualquier posición anatómica dentro del estrecho acceso a la hipófisis.

Dimensiones

Los instrumentos LOYO están perfectamente bien adaptados a la aplicación microscópica. La longitud de los instrumentos está adaptada a los procedimientos del proceso quirúrgico acceso, resección del tumor y cierre de la región esfenoidal. La longitud se mide desde el primer ángulo hasta el ángulo de la punta de trabajo del instrumento.

Neue Linie

- TITAN und Stahl
- biegsam
- neuer ergonomischer Handgriff

Biegsam

Alle LOYO Instrumente, sowohl in Titan, als auch in Stahl, sind biegsam im Bereich von 50 mm vom Arbeitsteil. Somit kann jede gewünschte oder notwendige anatomische Position im engen Zugang zur Hypophyse erreicht werden.

Dimensionen

Die LOYO Instrumente sind genau abgestimmt auf das mikroskopische Einsatzgebiet. Die Längen der Arbeitsteile sind angepasst an die einzelnen chirurgischen Arbeitsschritte Zugang, Tumorresektion und Verschluss der Keilbeinhöhle.





LOYO instrument set for transsphenoidal surgery



LOYO
41.033.26
tip 3 mm
26 cm



LOYO
41.034.26
tip 7 mm
26 cm



LOYO
41.035.26
tip 10 mm
26 cm



LOYO
41.036.26
26 cm



LOYO
41.037.26
26 cm



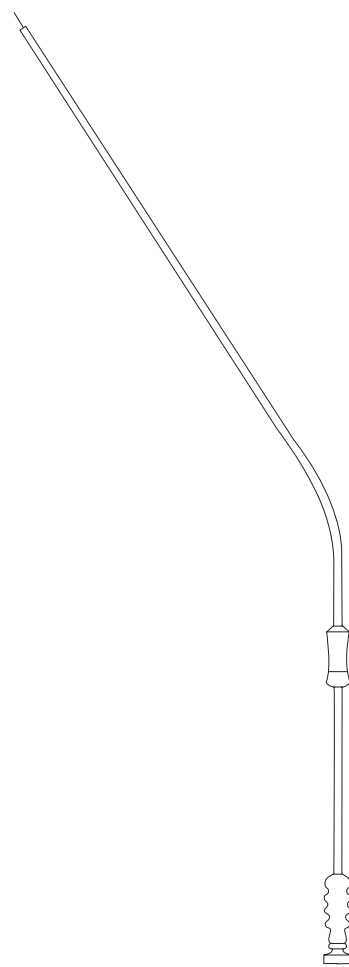
LOYO
41.038.26
26 cm



LOYO
41.039.26
26 cm



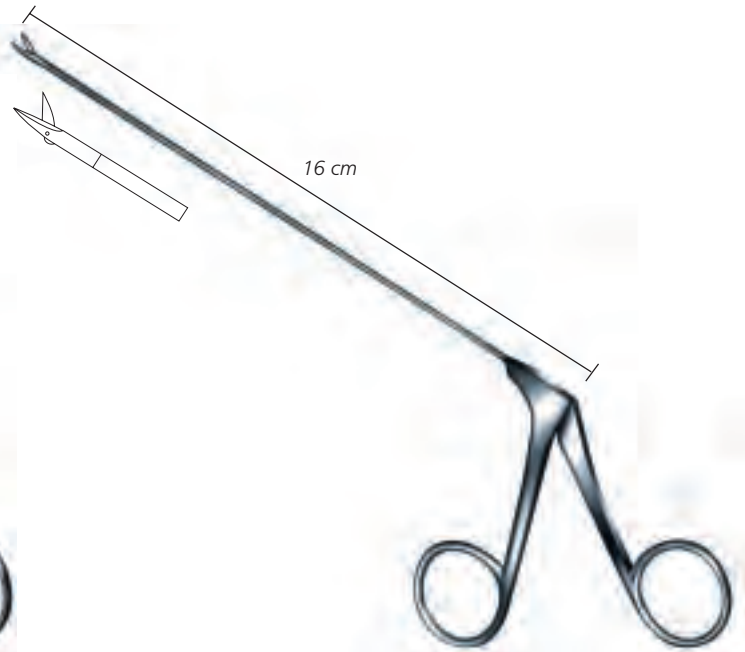
LOYO
41.040.26
26 cm



LOYO
41.043.15



WEIL - BLAKESLEY - LOYO
41.045.19
19 cm



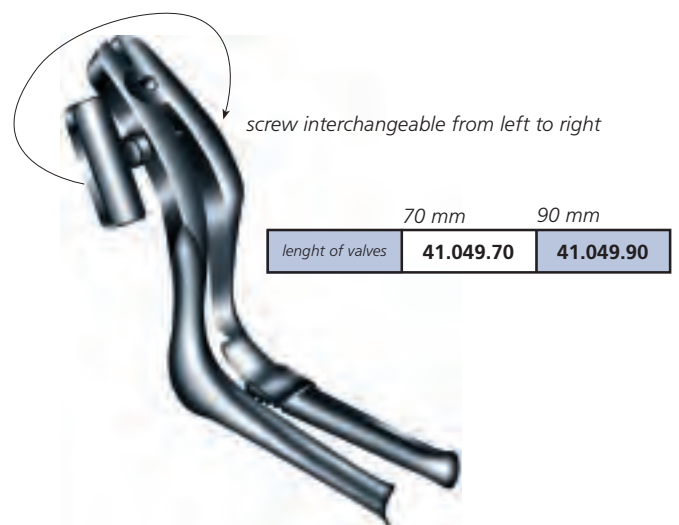
41.046.24
24 cm



OLIVECRONA
41.047.23
23 cm



TAYLOR
41.048.00
17 cm



LOYO
41.049.70 - 41.049.90
specula for transsphenoidal hypophysectomy

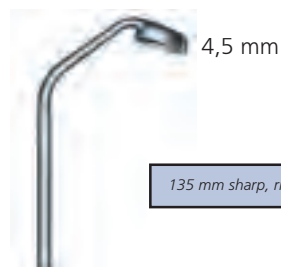
4,5 mm



LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm sharp, left	41.400.05	41.400.05 T
--------------------	------------------	--------------------



LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm sharp, right	41.400.06	41.400.06 T
---------------------	------------------	--------------------



LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm upward, sharp	41.400.08	41.400.08 T
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LOYO
micro curette
26 cm

Stainless Steel TITANIUM

135 mm angled, sharp	41.400.10	41.400.10 T
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LOYO
curette
26 cm

Stainless Steel TITANIUM

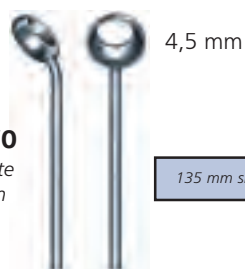
135 mm angled, sharp	41.400.12	41.400.12 T
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LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm sharp, right	41.400.14	41.400.14 T
---------------------	------------------	--------------------



LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm sharp, left	41.400.15	41.400.15 T
--------------------	------------------	--------------------



5 mm

LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm sharp upw. left	41.400.16	41.400.16 T
------------------------	-----------	-------------



LOYO
pituitary blade holder

Stainless Steel TITANIUM

for blade N° 10	41.400.20	41.400.20 T
-----------------	-----------	-------------



5 x 4 mm

LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm blunt, right	41.400.22	41.400.22 T
---------------------	-----------	-------------



5 mm

LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm sharp upw. right	41.400.17	41.400.17 T
-------------------------	-----------	-------------



LOYO
curette
26 cm

Stainless Steel TITANIUM

135 mm blunt left	41.400.21	41.400.21 T
-------------------	-----------	-------------



5 x 4 mm

LOYO
curette
26.5 cm

Stainless Steel TITANIUM

135 mm blunt, angled	41.400.25	41.400.25 T
----------------------	-----------	-------------



LOYO
micro impactor
24.5cm

Stainless Steel TITANIUM

3 tips interchangeable	41.400.30	41.400.30 T
------------------------	-----------	-------------



Stainless Steel TITANIUM

41.400.31	41.400.31 T
-----------	-------------



Stainless Steel TITANIUM

41.400.32	41.400.32 T
-----------	-------------



Stainless Steel TITANIUM

41.400.33	41.400.33 T
-----------	-------------





LOYO
micro chisel



Stainless Steel TITANIUM

for sella turcica	41.400.40	41.400.40 T
-------------------	-----------	-------------

LOYO
pituitary dissector
26 cm



Stainless Steel TITANIUM

135 mm	41.400.44	41.400.44 T
--------	-----------	-------------

LOYO
pituitary hook
26 cm



Stainless Steel TITANIUM

135 mm	41.400.48	41.400.48 T
--------	-----------	-------------

LOYO
pituitary elevator
26 cm



Stainless Steel TITANIUM

135 mm right	41.400.50	41.400.50 T
--------------	-----------	-------------

LOYO
pituitary dissector
26 cm



Stainless Steel TITANIUM

135 mm	41.400.42	41.400.42 T
--------	-----------	-------------

LOYO
pituitary dissector
26 cm



Stainless Steel TITANIUM

135 mm	41.400.46	41.400.46 T
--------	-----------	-------------

LOYO
pituitary elevator
26 cm



Stainless Steel TITANIUM

135 mm left	41.400.49	41.400.49 T
-------------	-----------	-------------

LOYO
pituitary mirror



Stainless Steel TITANIUM

125 mm	41.400.52	41.400.52 T
--------	-----------	-------------



Malleable Dissectors according to Dr. Loyo



LOYO

	cm	Stainless Steel	TITANIUM
	20	41.401.02	41.401.02 T
	22	41.401.03	41.401.03 T



LOYO

	cm	Stainless Steel	TITANIUM
	20	41.401.06	41.401.06 T
	22	41.401.07	41.401.07 T



LOYO

	cm	Stainless Steel	TITANIUM
	20	41.401.10	41.401.10 T
	22	41.401.11	41.401.11 T



LOYO

	cm	Stainless Steel	TITANIUM
	20	41.401.14	41.401.14 T
	22	41.401.15	41.401.15 T



LOYO

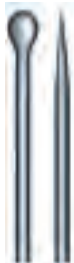
	cm	Stainless Steel	TITANIUM
	20	41.401.18	41.401.18 T
	22	41.401.19	41.401.19 T



LOYO

	cm	Stainless Steel	TITANIUM
	20	41.401.22	41.401.22 T
	22	41.401.23	41.401.23 T

2 mm



LOYO

	cm	Stainless Steel	TITANIUM
	20	41.401.26	41.401.26 T
	22	41.401.27	41.401.27 T



LOYO

	cm	Stainless Steel	TITANIUM
	20	41.401.30	41.401.30 T
	22	41.401.31	41.401.31 T





Neuro - Micro - Instruments

Features:

- Lightweight and ergonomic instruments thanks to its hollow handle, available not insulated or insulated
- All parts of the instruments are made of hardened Stainless Steel.

Características:

- Instrumentos con mango ergonómico y ligero gracias a que es hueco, en versiones no aisladas y aisladas.
- Todas las partes de los instrumentos son fabricadas en acero inoxidable templado.

Merkmale:

- Leichte und ergonomische Hohlgriffinstrumente, erhältlich unisoliert oder isoliert.
- Alle Teile der Instrumente sind aus gehärtetem, rostfreiem Stahl gefertigt.



Neuro - Micro - Instruments

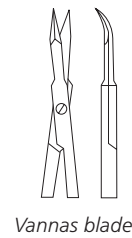


cm

16.0	41.050.16	41.051.16
18.0	41.050.18	41.051.18
20.0	41.050.20	41.051.20
22.5	41.050.22	41.051.22
24.0	41.050.24	41.051.24

insulated

16.0	41.052.16	41.053.16
18.0	41.052.18	41.053.18
20.0	41.052.20	41.053.20
22.5	41.052.22	41.053.22
24.0	41.052.24	41.053.24



Vannas blade

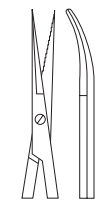
cm

16.0	41.060.16	41.061.16
18.0	41.060.18	41.061.18
20.0	41.060.20	41.061.20
22.5	41.060.22	41.061.22
24.0	41.060.24	41.061.24

insulated

16.0	41.062.16	41.063.16
18.0	41.062.18	41.063.18
20.0	41.062.20	41.063.20
22.5	41.062.22	41.063.22
24.0	41.062.24	41.063.24

micro scissors
41.050.16 - 41.082.24



saw edge

cm

16.0	41.070.16	41.071.16
18.0	41.070.18	41.071.18
20.0	41.070.20	41.071.20
22.5	41.070.22	41.071.22
24.0	41.070.24	41.071.24

insulated

16.0	41.072.16	41.073.16
18.0	41.072.18	41.073.18
20.0	41.072.20	41.073.20
22.5	41.072.22	41.073.22
24.0	41.072.24	41.073.24



Vannas blade
angled over
the blade

cm

16.0	41.080.16
18.0	41.080.18
20.0	41.080.20
22.5	41.080.22
24.0	41.080.24

insulated

16.0	41.082.16
18.0	41.082.18
20.0	41.082.20
22.5	41.082.22
24.0	41.082.24



micro scissors
41.090.16 - 41.132.24



cm		
16.0	41.090.16	41.091.16
18.0	41.090.18	41.091.18
20.0	41.090.20	41.091.20
22.5	41.090.22	41.091.22
24.0	41.090.24	41.091.24

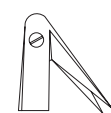
insulated		
16.0	41.092.16	41.093.16
18.0	41.092.18	41.093.18
20.0	41.092.20	41.093.20
22.5	41.092.22	41.093.22
24.0	41.092.24	41.093.24



saw edge

cm		
16.0	41.110.16	41.111.16
18.0	41.110.18	41.111.18
20.0	41.110.20	41.111.20
22.5	41.110.22	41.111.22
24.0	41.110.24	41.111.24

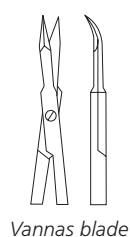
insulated		
16.0	41.112.16	41.113.16
18.0	41.112.18	41.113.18
20.0	41.112.20	41.113.20
22.5	41.112.22	41.113.22
24.0	41.112.24	41.113.24



125°
angled blade

cm	
16.0	41.130.16
18.0	41.130.18
20.0	41.130.20
22.5	41.130.22
24.0	41.130.24

insulated	
16.0	41.132.16
18.0	41.132.18
20.0	41.132.20
22.5	41.132.22
24.0	41.132.24



Vannas blade

cm		
16.0	41.100.16	41.101.16
18.0	41.100.18	41.101.18
20.0	41.100.20	41.101.20
22.5	41.100.22	41.101.22
24.0	41.100.24	41.101.24

insulated		
16.0	41.102.16	41.103.16
18.0	41.102.18	41.103.18
20.0	41.102.20	41.103.20
22.5	41.102.22	41.103.22
24.0	41.102.24	41.103.24



Vannas blade
angled over the
blade

cm	
16.0	41.120.16
18.0	41.120.18
20.0	41.120.20
22.5	41.120.22
24.0	41.120.24

insulated	
16.0	41.122.16
18.0	41.122.18
20.0	41.122.20
22.5	41.122.22
24.0	41.122.24



micro forceps
41.140.16 - 41.172.24

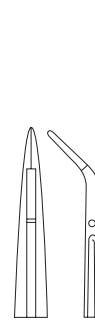


cm

16.0	41.140.16	41.141.16
18.0	41.140.18	41.141.18
20.0	41.140.20	41.141.20
22.5	41.140.22	41.141.22
24.0	41.140.24	41.141.24

insulated

16.0	41.142.16	41.143.16
18.0	41.142.18	41.143.18
20.0	41.142.20	41.143.20
22.5	41.142.22	41.143.22
24.0	41.142.24	41.143.24



angled

cm

16.0	41.150.16
18.0	41.150.18
20.0	41.150.20
22.5	41.150.22
24.0	41.150.24

insulated

16.0	41.152.16
18.0	41.152.18
20.0	41.152.20
22.5	41.152.22
24.0	41.152.24



4 x 2 teeth

cm

16.0	41.160.16
18.0	41.160.18
20.0	41.160.20
22.5	41.160.22
24.0	41.160.24

insulated

16.0	41.162.16
18.0	41.162.18
20.0	41.162.20
22.5	41.162.22
24.0	41.162.24



tumor
grasping

cm

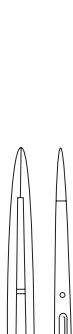
16.0	41.170.16
18.0	41.170.18
20.0	41.170.20
22.5	41.170.22
24.0	41.170.24

insulated

16.0	41.172.16
18.0	41.172.18
20.0	41.172.20
22.5	41.172.22
24.0	41.172.24



micro forceps
41.180.16 - 41.212.24

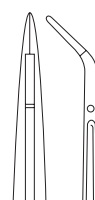


cm

16.0	41.180.16	41.181.16
18.0	41.180.18	41.181.18
20.0	41.180.20	41.181.20
22.5	41.180.22	41.181.22
24.0	41.180.24	41.181.24

insulated

16.0	41.182.16	41.183.16
18.0	41.182.18	41.183.18
20.0	41.182.20	41.183.20
22.5	41.182.22	41.183.22
24.0	41.182.24	41.183.24



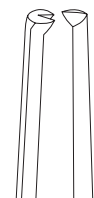
angled

cm

16.0	41.190.16
18.0	41.190.18
20.0	41.190.20
22.5	41.190.22
24.0	41.190.24

insulated

16.0	41.192.16
18.0	41.192.18
20.0	41.192.20
22.5	41.192.22
24.0	41.192.24



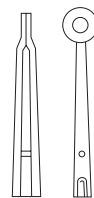
1 x 2 teeth

cm

16.0	41.200.16
18.0	41.200.18
20.0	41.200.20
22.5	41.200.22
24.0	41.200.24

insulated

16.0	41.202.16
18.0	41.202.18
20.0	41.202.20
22.5	41.202.22
24.0	41.202.24



tumor
grasping

cm

16.0	41.210.16
18.0	41.210.18
20.0	41.210.20
22.5	41.210.22
24.0	41.210.24

insulated

16.0	41.212.16
18.0	41.212.18
20.0	41.212.20
22.5	41.212.22
24.0	41.212.24



cm		
16.0	41.220.16	
18.0	41.220.18	
20.0	41.220.20	
22.5	41.220.22	
24.0	41.220.24	
insulated		
16.0	41.222.16	
18.0	41.222.18	
20.0	41.222.20	
22.5	41.222.22	
24.0	41.222.24	

cm		
16.0	41.230.16	41.231.16
18.0	41.230.18	41.231.18
20.0	41.230.20	41.231.20
22.5	41.230.22	41.231.22
24.0	41.230.24	41.231.24
insulated		
16.0	41.232.16	41.233.16
18.0	41.232.18	41.233.18
20.0	41.232.20	41.233.20
22.5	41.232.22	41.233.22
24.0	41.232.24	41.233.24

micro needle holder
41.220.16 - 41.233.24
without ratchet

cm		
16.0	41.240.16	
18.0	41.240.18	
20.0	41.240.20	
22.5	41.240.22	
24.0	41.240.24	
insulated		
16.0	41.242.16	
18.0	41.242.18	
20.0	41.242.20	
22.5	41.242.22	
24.0	41.242.24	

cm		
16.0	41.250.16	41.251.16
18.0	41.250.18	41.251.18
20.0	41.250.20	41.251.20
22.5	41.250.22	41.251.22
24.0	41.250.24	41.251.24
insulated		
16.0	41.252.16	41.253.16
18.0	41.252.18	41.253.18
20.0	41.252.20	41.253.20
22.5	41.252.22	41.253.22
24.0	41.252.24	41.253.24



micro needle holder
41.240.16 - 41.253.24
without ratchet





WILLIAM HARVEY CUSHING **1869 -1939**

Considered as the father of American modern neurosurgery, he was born in Cleveland, Ohio, USA, on the 8th of April 1869. His parents came from England. Cushing made his internship at the Massachusetts General Hospital from 1895 to 1896.

He passed his residency at the Johns Hopkins, under mentorship of Halsted and later he trained in Europe in the clinics of Kocher, Kronecker and Sherrington.

He was the first North American to hold a full-time position in neurosurgery at the Johns Hopkins.

His surgical contributions were numerous, among them are: development of the pituitary gland, he identified the disease bearing his name, he published many monographs among which the one dealing with meningiomas is worth-while mentioning.

Considerado como padre de la moderna Neurocirugía Norteamericana nació en Cleveland, Ohio, E.U.A., el 8 de abril de 1869. Sus padres fueron de procedencia inglesa.

Cushing realizó su internado en el Hospital General de Massachusetts entre 1895 y 1896.

Hizo su residencia en el Hospital Johns Hopkins bajo la tutela de Halsted y más tarde se entrenó en Europa en las clínicas de Kocher, Kronecker y Sherrington.

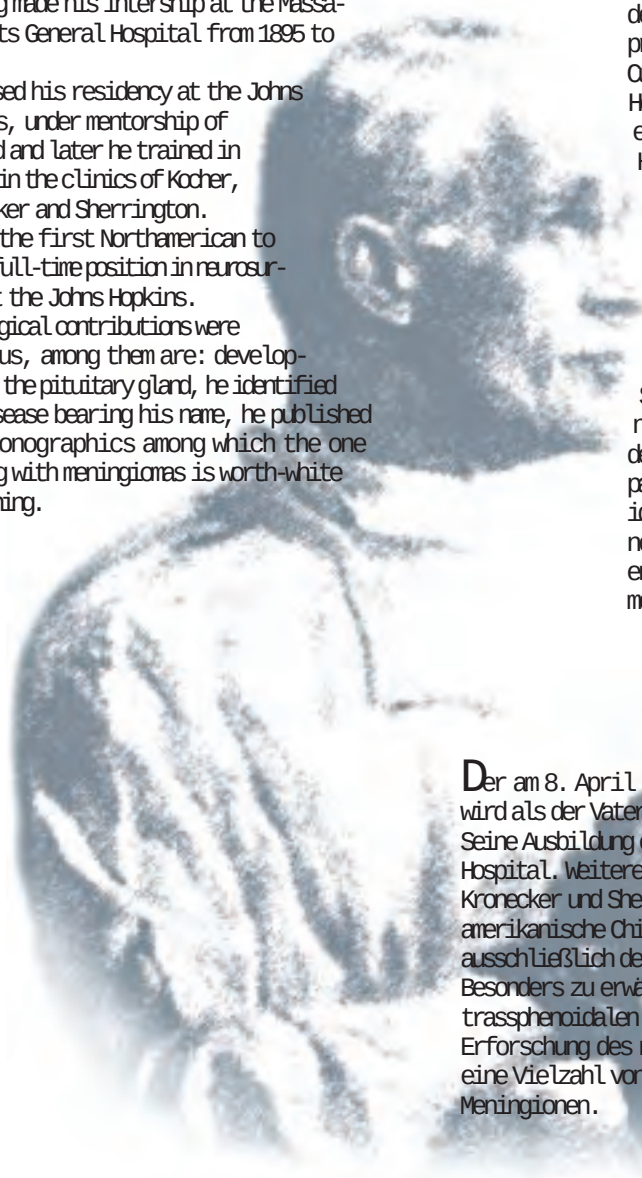
Fue el primer cirujano norteamericano en dedicarse tiempo completo a la neurocirugía en Johns Hopkins.

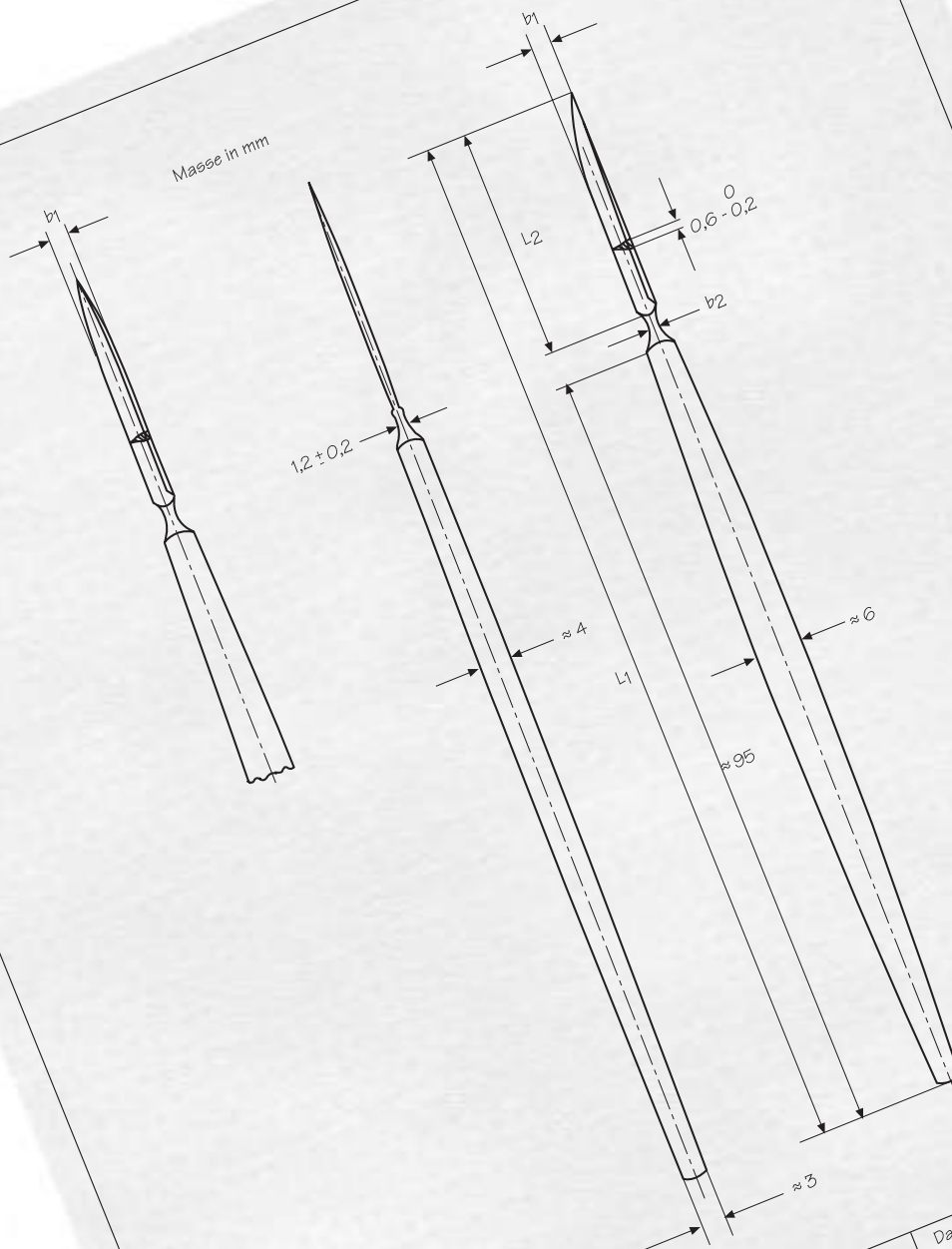
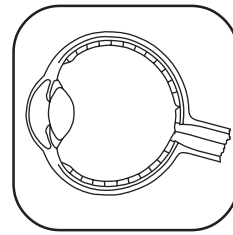
Sus contribuciones quirúrgicas fueron numerosas, entre las que destacan: desarrollo del abordaje transesfenoidal para la cirugía de la glándula pituitaria, identificó la enfermedad que lleva su nombre, publicó numerosas monografías entre la que destaca la dedicada a meningiomas.

Der am 8. April 1869 in Cleveland, Ohio, geborene Cushing wird als der Vater der Neurochirurgie bezeichnet.

Seine Ausbildung erhielt er bei Halsted im John Hopkins Hospital. Weitere Stationen waren die Kliniken von Kocher, Kronecker und Sherrington in Europa. Er war der erste amerikanische Chirurg, der sich im John Hopkins Hospital ausschließlich der Neurochirurgie widmete.

Besonders zu erwähnen sind seine Arbeiten zur transphenoidalen Chirurgie der Hirnanhangdrüse, die Erforschung des nach ihm benannten Cushing-Syndroms sowie eine Vielzahl von Publikationen zur Monographie von Meningiomen.





GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
Stainless Steel		July '98	cvd/jvd	1
Acero inoxidable		July '98	cvd	1:1
		June '99	mj	mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo



BARRAQUER colibri
42.101.03 - 42.101.04

cm

3	42.101.03
4	42.101.04



BARRAQUER
42.101.06
4 cm



BOWMAN
42.104.07
7 cm



CRITCHETT
42.105.06
6 cm



SMITH
42.106.05
5 cm



CLARK
42.107.08
8 cm



GRAEFE
42.109.06 - 42.109.09

cm

7	42.109.06
9	42.109.09



WEEK
42.110.08
8 cm

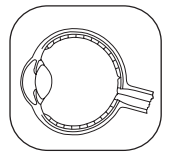


ARRUGA
42.111.07 - 42.113.07

right	42.111.07
left	42.113.07



MURDOCK
42.115.05
5 cm



MELLINGER
42.121.07 - 42.123.07
7 cm

right	42.121.07
left	42.123.07



COOK
42.125.01 - 42.125.03

cm	
4	42.125.01
5	42.125.03



MELLINGER
42.125.05 - 42.125.07

cm	
5	42.125.05
7	42.125.07



MELLINGER
42.125.09
7 cm



LISTER BURCH
42.127.08
8 cm



WILLIAMS
42.128.07 - 42.128.08

cm	
7	42.128.07
8	42.128.08



LANCASTER
42.129.07
7 cm



ZIEGLER
42.130.07
7 cm



CASTROVIEJO
42.132.08
8 cm



PARK
42.133.08
8 cm



AGRICOLA
42.135.04
4 cm



MUELLER
24.135.07
7 cm



SAUER
42.137.01
3cm



GOLDSTEIN
42.137.03
3 cm



STEVENSON
42.139.07
7 cm



JAEGER
42.150.11
11 cm



42.220.00

42.220.01
2 x 5 mm
fig 1

42.220.03
2 x 5 mm
fig 3

42.220.06
2 x 5 mm
fig 6

42.220.07
2 x 5 mm
fig 7

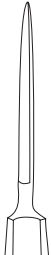
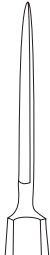
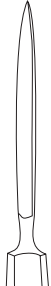
42.220.09
1 x 3 mm
fig 9

42.220.11
1 x 3 mm
fig 11

42.220.13
1.1 / 1.3 x 5 mm
fig 13

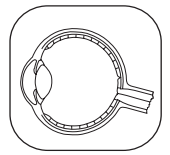


GRAEFE
42.170.00 - 42.170.03
13 cm

			
1.3 x 23	1.5 x 25	1.7 x 27	2 x 30
42.170.00	42.170.01	42.070.02	42.070.03



DEUTSCHMANN
42.172.13
13 cm



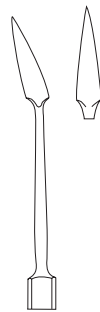
mm	mm	mm	mm	mm	mm
8 x 9.5	9.5 x 11	11 x 12.5	8 x 9.5	9.5 x 11	11 x 12.5
42.180.01	42.180.02	42.180.03	42.181.01	42.181.02	42.181.03

JEAGER
42.180.01 - 42.181.03
13 cm

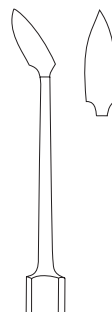


mm	
4 x 10	42.181.05
5 x 11	42.181.07
6 x 12	42.185.09

WESSELY
42.181.05 - 42.181.09
13 cm
45°



BERENS
42.183.13
13 cm



CASTROVIEJO
42.185.13
13 cm
4 x 13 mm



GRAEFE
42.187.13
13 cm



KNAPP
42.202.01
fig 1



KNAPP
42.202.02
fig 2



KNAPP
42.202.03
fig 3



ZIEGLER
42.210.01
5 mm
fig 1



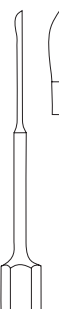
ZIEGLER
42.210.02
6 mm
fig 2



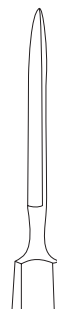
ZIEGLER
42.210.03
7 mm
fig 3



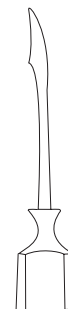
DEAN
42.213.12
12.5 cm



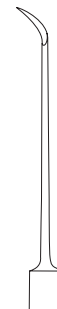
BOWMAN
42.214.04
0.4 mm
42.214.08
0.8 mm



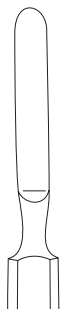
WHEELER
42.218.12



ZIEGLER
42.221.11
11 cm



SATO
42.226.12
12.5 cm

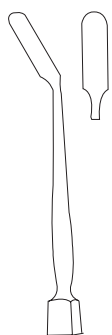


TOOK
42.228.12
12 cm





GILL
42.231.12
12 cm



ELSCHNIG
42.233.13
13 cm



KUHNT
42.240.01
fig 1



KUHNT
42.240.02
fig 2



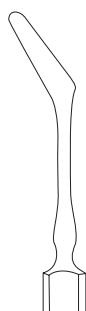
KUHNT
42.240.03
fig 3



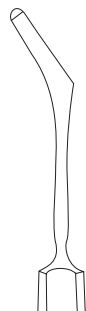
KUHNT
42.240.04
fig 4



PATON
42.245.12
12 cm



LUNDSGAARD
42.251.12
12 cm



**GUYTON
LUNDS GAARD**
42.253.12



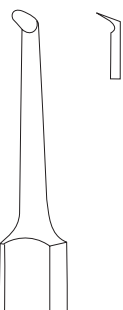
BARKAN
42.256.12



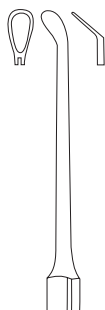
SCHEIE
42.258.12



BURCH
42.262.12



PAUFIQUE
42.271.11



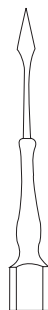
BARRAQUER
42.273.13



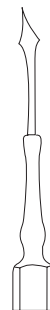
STAR
42.304.12



STAR
42.305.12



BOWMAN
42.308.12



BOWMAN
42.309.12



42.310.13



42.311.13



LEVINSON
42.314.13



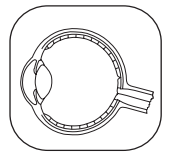
FRANCIS
42.321.12



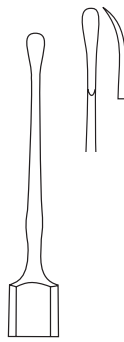
DAVIS
42.325.13
13 cm



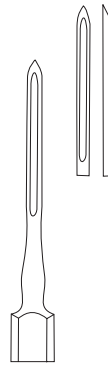
LAFORCE
42.327.12



DIX
42.330.13



ELIS
42.331.11



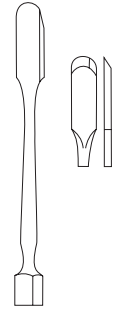
WALTON
42.332.12



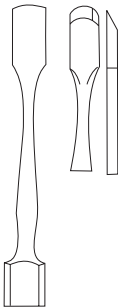
WALTON
42.334.12



ALVIS
42.336.12



GREEN
42.340.13



ROLLET
42.342.12



GRAEFE
42.351.01
42.352.01 T
fig 1



GRAEFE
42.351.02
42.352.02 T
fig 2



GRAEFE
42.351.03
42.352.03 T
fig 3



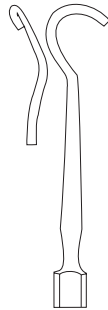
JAMESON
42.353.13



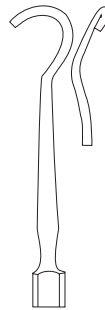
GREEN
42.355.13



STEVENS
42.357.13



ARRUGA
42.363.01



ARRUGA
42.363.02
fig 1



O'CONNOR
42.370.12
fig 2



WIENER
42.372.13



WIENER
42.373.13



ROLLET
42.376.13



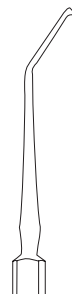
KNAPP
42.377.13



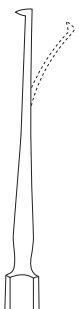
GRAEFE
42.380.13



GRAEFE
42.381.13



GRAEFE
42.383.13



BECKER
42.386.13





MEYHOEFER
42.402.05
ø 0.5 mm



MEYHOEFER
42.402.10
ø 1 mm



MEYHOEFER
42.402.15
ø 1.5 mm



MEYHOEFER
42.402.18
ø 1.8 mm



MEYHOEFER
42.402.20
ø 2 mm



MEYHOEFER
42.402.25
ø 2.5 mm



MEYHOEFER
42.402.35
ø 3.5 mm



MEYHOEFER
42.402.40
ø 4 mm



MEYHOEFER
42.402.45
ø 4.5 mm



HEBRA
42.404.10
ø 1 mm



HEBRA
42.404.20
ø 2 mm



HEBRA
42.404.25
ø 2.5 mm



HEBRA
42.404.30
ø 3 mm



HEBRA
42.404.35
ø 3.5 mm



AXENFELD
42.407.13



GRAEFE
42.410.01



GRAEFE
42.410.02



DAVIEL
42.412.01



DAVIEL
42.412.02



KNAPP
42.414.02



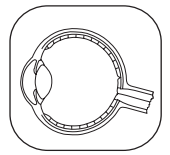
BUNGE
42.420.01



BUNGE
42.420.02



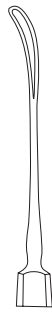
BUNGE
42.420.03



WEBER
42.441.01
fig 1



WEBER
42.441.02
fig 2



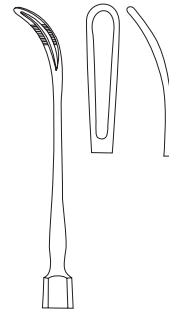
SNELLEN
42.443.13



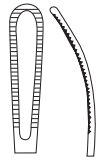
WILDER
42.445.13
fig 1



WILDER
42.447.13
fig 2



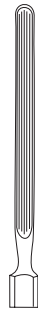
ARLT
42.449.01



ARLT
42.449.02



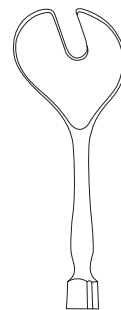
WECKER
42.461.13



WECKER
42.462.13



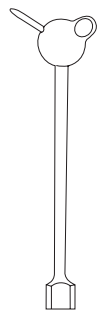
CULLER
42.467.13



WELLS
41.482.20



ARRUGA
42.485.13
protector



WADSWORTH
42.487.14
cauter



42.501.06
6 cm



42.501.10
10 cm



42.501.12
12 cm

BANGERTER
42.501.06 - 42.501.12



LANG
42.424.13
13 cm



CASTROVIEJO
42.511.13 - 42.517.09
8 x 15 mm
13 cm



CASTROVIEJO
42.521.12
12 cm



WHEELER
42.523.12
12 cm

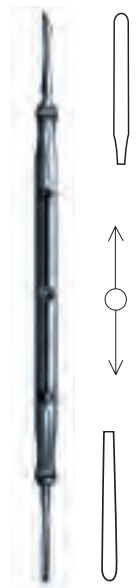


CASTROVIEJO
42.525.05 - 42.525.10
14 cm

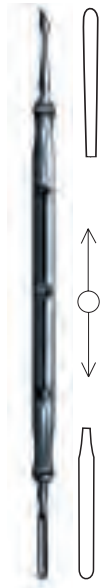
ø mm

0.5	42.525.05
0.75	42.525.07
1.0	42.525.10





DIX
42.542.12



DIX
42.544.12



DIX
42.546.13



DIX
42.548.13



CASTROVIEJO
42.583.07



CONNIN
42.589.13



DASTOOR
42.590.06



HOLTH
42.593.09



WILDER
42.602.01



WILDER
42.602.02



WILDER
42.602.03

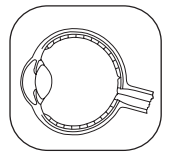


ZIEGLER
42.605.12 - 42.605.56

fig 1/2	42.605.12
3/4	42.605.34
5/6	42.605.56



CASTROVIEJO
42.608.12



ø mm

0.7 / 0.8	42.614.00
0.8 / 0.9	42.614.01
0.9 / 1.1	42.614.12
1.1 / 1.3	42.614.23
1.3 / 1.4	42.614.34
1.4 / 1.5	42.614.45
1.5 / 1.6	42.614.56
1.6 / 1.8	42.614.67
1.8 / 1.9	42.614.78

BOWMAN
42.614.00 - 42.614.78



ø mm

0.7 / 0.8	42.616.00
0.8 / 0.9	42.616.01
0.9 / 1.1	42.616.12
1.1 / 1.3	42.616.23
1.3 / 1.4	42.616.34
1.4 / 1.5	42.616.45
1.5 / 1.6	42.616.56
1.6 / 1.8	42.616.67
1.8 / 1.9	42.616.78

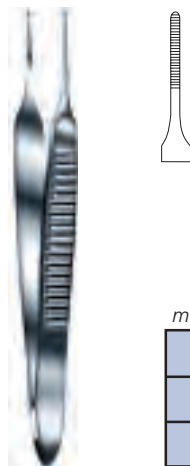
BOWMAN
42.616.00 - 42.616.78



HARMS
42.618.80
left
42.618.81
right



42.620.14
14.5 cm
2 eyes



mm

0.5	42.802.05
0.7	42.802.06
1.0	42.802.07

GRAEFE
42.802.05 - 42.802.07
7 cm



mm

0.5	42.803.05
0.7	42.803.06
1.0	42.803.07

GRAEFE
42.803.05 - 42.803.07
7 cm





mm

0.5	42.804.05
0.7	42.804.06
1.0	42.804.07

GRAEFE
42.804.05 - 42.804.07
7 cm
1 x 2 teeth



mm

0.5	42.805.05
0.7	42.805.06
1.0	42.805.07

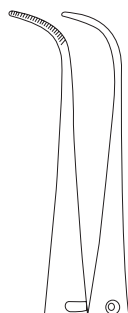
GRAEFE
42.805.05 - 42.805.07
7 cm
1 x 2 teeth



GRAEFE
42.810.10



GRAEFE
42.811.10



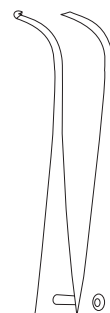
GRAEFE
42.813.10



GRAEFE
42.820.10
1 x 2 teeth

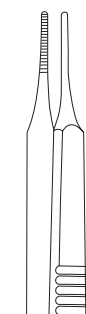
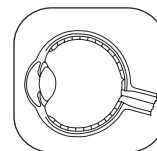


GRAEFE
42.821.10
1 x 2 teeth



GRAEFE
42.823.10
1 x 2 teeth

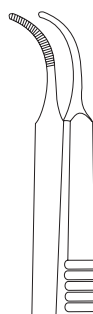
GRAEFE
42.810.10 - 42.823.10
10 cm



STEVENS
42.830.10



STEVENS
42.831.10



STEVENS
42.833.10



STEVENS
42.840.10



STEVENS
40.841.10



STEVENS
42.843.10

STEVENS
42.830.10 - 42.843.10



FOERSTER
42.850.08
8.5 cm



FOERSTER
42.851.08
8.5 cm



FOERSTER
42.852.08
8.5 cm



FOERSTER
42.853.08
8.5 cm



42.855.07



42.857.07

HESS
42.855.07 - 42.857.07
7 cm
0.3 mm



HESS
42.861.07
7 cm
0.3 mm



42.863.07



42.865.07

GILL
42.863.07 - 42.865.07
7.5 cm
tip 0.3 mm



FISCHER
42.869.07
7 cm



BARRAQUER KATZIN
42.881.03
7 cm



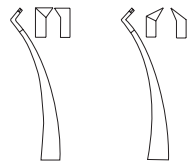
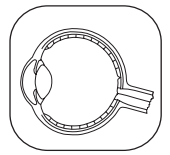
BARRAQUER KATZIN
42.881.05
0.12 mm
7 cm



BARRAQUER KATZIN
42.881.07
0.4 mm
7 cm



TROUTMAN
42.883.07
0.12 mm
7 cm



42.885.07 42.887.07

BARRAQUER colibri
42.885.07 - 42.887.07
0.12 mm
7 cm



KIRBY ARTHUR
42.891.09
1 x 2 teeth
9 cm
ø 0.2



KIRBY ARTHUR
42.893.09
9 cm
ø 0.2



MCCULLOUGH
42.902.09
9.5 cm



MCCULLOUGH
42.904.09
9.5 cm



JAMESON
42.907.10 - 42.909.10
left - right



BONACCOLTO
42.914.10 - 42.916.10



BONACCOLTO
42.920.11
11 cm
sharp



DASTOOR
42.924.11
11 cm
blunt





DASTOOR
42.926.11
11 cm
1 x 2 teeth



mm	
0.5	42.940.05
0.8	42.940.08

BISHOP HARMAN
42.940.05 - 42.940.08
8.5 cm



mm	
0.5	42.942.05
0.8	42.942.08

BISHOP HARMAN
42.942.05 - 42.942.08



Bonn
42.944.07
0.12 mm
7 cm



Bonn
42.946.07
0.12 mm
7 cm



Bonn
42.946.10
0.12 mm
10 cm



ELLIOT
42.946.12
10 cm



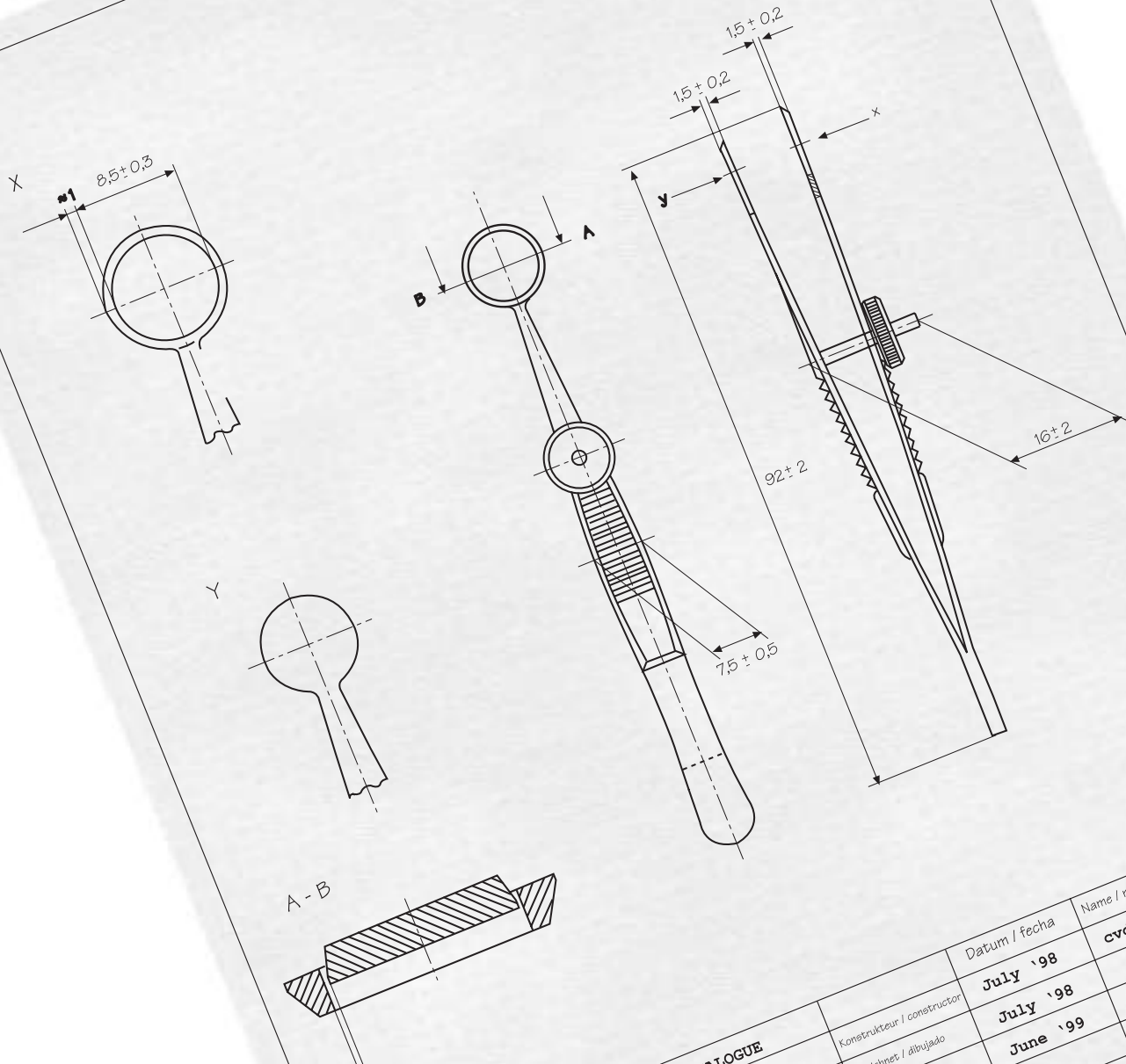
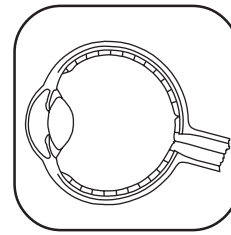
Tübingen
42.950.10
42.954.10 T
10 cm



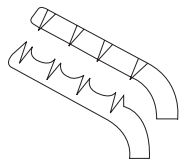
Bonn
42.952.10
42.956.10 T
10 cm



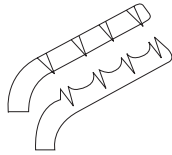
Tübingen
42.953.10
42.957.10 T
10 cm



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
Stainless Steel		July '98	cvd/jvd	1
Inoxidable		July '98	cvd	Maastricht / escala
		June '99	mj	Abt. / acot. mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo

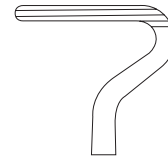


43.011.10
left

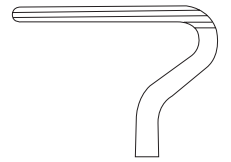


43.013.10
right

PRINCE
43.011.10 - 43.013.10
10 cm



43.015.20



43.015.27

BERKE
43.015.20 - 43.015.27

cm

20	43.015.20
27	43.015.27



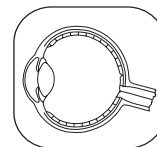
TROUTMAN
43.017.08
8.5 cm
0.8 mm



BARRAQUER
43.021.05
5.5 cm
7 mm



ELSCHNIG
43.046.11
11 cm
1 x 2 teeth



GRAEFE
43.050.11 - 43.052.11
11 cm



LESTER
43.054.09
9 cm
1 x 2 teeth

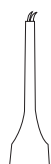


43.066.09



43.067.09

CASTROVIEJO
43.066.09 - 43.067.09
9 cm
1 x 1 teeth



43.068.09



43.069.09

CASTROVIEJO
43.068.09 - 43.069.09
9 cm
2 x 2 teeth



BARRAQUER
43.074.10
10 cm



5 mm



10 mm

mm	without catch	with catch
5	43.076.05	43.078.05
10	43.076.10	43.078.10

GREEN
43.076.05 - 43.078.10
10 cm





GILL ARRUGA
43.101.07
7 cm



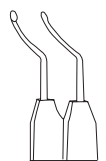
TERSON
43.103.09
9 cm
5 x 6 teeth



ELSCHNIG
43.109.10
10 cm



ARRUGA
43.111.10 - 43.114.10
10 cm



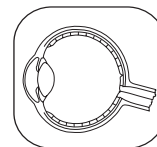
43.114.10



CASTROVIEJO
43.115.10
10 cm



SCHWEIGGER
43.117.10
10 cm



SCHWEIGGER
43.119.10
10 cm



ELSCHNIG
43.121.10
10 cm



HESS
43.125.06
6 cm



HESS
43.127.06
6 cm



FUCHS
43.129.07
7 cm



mm teeth

0.12	43.150.01
0.3	43.150.03
0.5	43.150.05
1.0	43.150.10
1.5	43.150.15

CASTROVIEJO
43.150.01 - 43.150.15
10 cm



mm teeth

0.5	43.151.05
1.0	43.151.10
1.5	43.151.15

CASTROVIEJO
43.151.01 - 43.151.15
10 cm

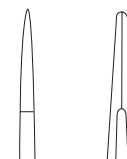




MOORFIELD
43.164.10
10 cm



ST. MARTIN
43.166.07
7 cm



Tübingen
43.181.10
10 cm



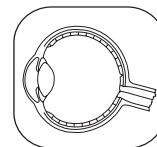
<i>plain</i>	43.190.08
<i>1 x 2 teeth</i>	43.202.08

PAUFIQUE
43.190.08 - 43.202.08
8 cm



<i>plain</i>	43.202.08 T
<i>1 x 2 teeth</i>	43.206.08 T

PAUFIQUE
43.202.08 T - 43.206.08 T
8 cm



1 x 2 teeth

plain

43.210.10 T	43.220.10 T
43.214.10 T	43.224.10 T

McPHERSON

43.210.10 T - 43.224.10 T
10 cm



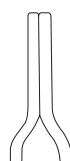
AYER

43.240.09
9 cm



AYER

43.242.09
9 cm



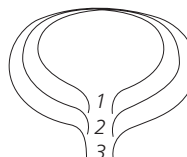
LAMBERT

43.246.09
9 cm



DESMARRES

43.254.09 - 43.258.09
9 cm



43.254.09

fig. 1

43.256.09

fig. 2

43.258.09

fig. 3



ERHARDT

43.258.14
9 cm



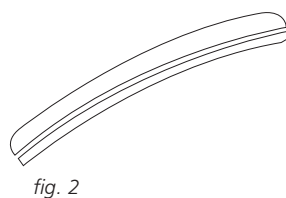
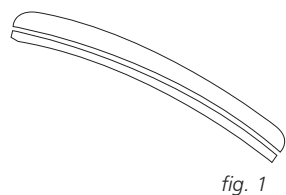


fig.

1	43.265.10
2	43.267.10

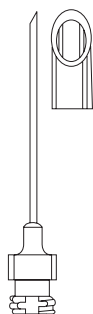
SNELLEN
43.265.10 - 43.267.10
10 cm



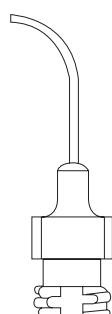
KNAPP LUER
43.274.11
11 cm



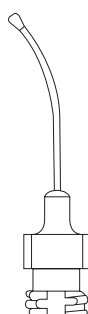
SCHEIE
43.302.28
0.1 x 2.8 cm



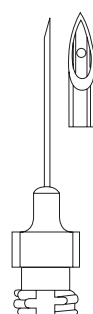
SCHEIE
43.302.33
1.5 x 3.3 cm



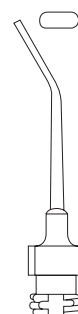
Tübingen
43.303.45



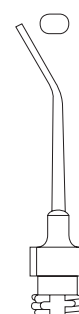
Hamburg
43.305.00



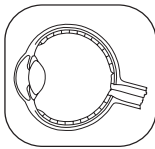
SIMCOE
43.306.00



Bonn
43.307.00



Bonn
43.309.00



CASTROVIEJO
43.310.50 - 43.311.01

ø mm	
5.0	43.310.50
5.5	43.310.55
6.0	43.310.60
6.5	43.310.65
7.0	43.310.70
8.0	43.310.80
9.0	43.310.90
10.0	43.311.00
11.0	43.311.01



FRANCESCHETTI
43.320.50 - 43.321.00

ø mm	
5.0	43.320.50
5.1	43.320.51
6.0	43.320.60
6.1	43.320.61
7.0	43.320.70
7.1	43.320.71
8.0	43.320.80
8.1	43.320.81
9.0	43.320.90
9.1	43.320.91
10.0	43.321.00



ELLIOT
43.340.00
complete = 4



SCHIÖETZ
43.404.00
straight scale
43.406.00
oblique scale



43.408.00
eye magnet





BEER
43.420.09
9 cm



DOUGLAS
43.422.09
9 cm



LITTAUER
43.424.08
8.5 cm



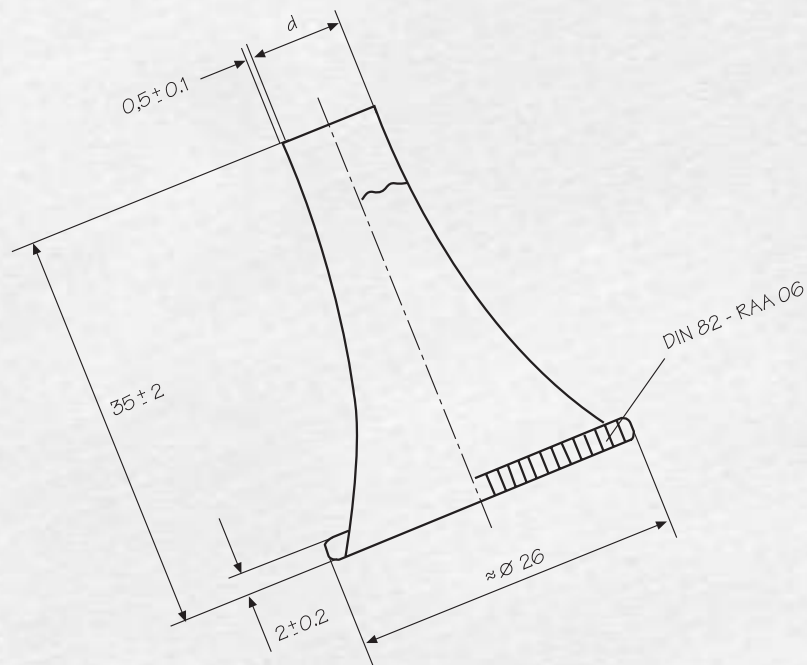
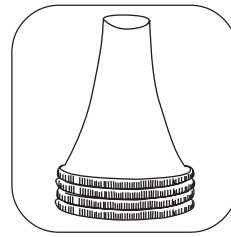
BARRAQUER
43.425.10
10.5 cm



43.426.09
9 cm



GRADLE
43.428.09
9 cm



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
Stainless Steel	Konstrukteur / constructor	July '98	cvd/jvd	1
	gezeichnet / dibujado	July '98	cvd	Maasstab / escala 1:1
	geprüft / verificado	June '99	mj	Abt. / acot. mm
Inoxidable		Toleranz / tolerancia	Artikel / artículo	
		Artikel-Nr. / No. de artículo		

 **DEWIMED®**

509

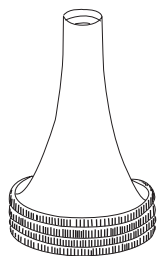
① **44.010.30**
ø 3.0 mm

② **44.010.45**
ø 4.5 mm

③ **44.010.55**
ø 5.5 mm

④ **44.010.65**
ø 6.5 mm

⑤ **44.010.75**
ø 7.5 mm

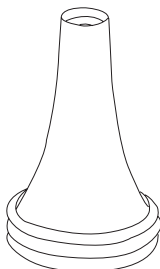


HARTMAN
44.010.00
set 4

② **44.012.55**
ø 5.5 mm

③ **44.012.65**
ø 6.5 mm

④ **44.012.75**
ø 7.5 mm



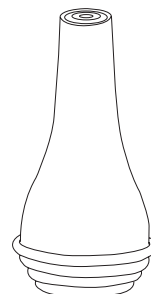
TOYNBEE
44.012.00
set 3

① **44.014.45**
ø 4.5 mm

② **44.014.55**
ø 5.5 mm

③ **44.014.65**
ø 6.5 mm

④ **44.014.75**
ø 7.5 mm



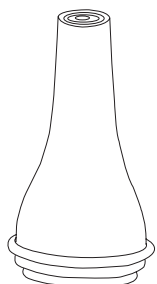
GRUBER
44.014.00
set 4

① **44.015.45**
ø 4.5 mm

② **44.015.55**
ø 5.5 mm

③ **44.015.65**
ø 6.5 mm

④ **44.015.75**
ø 7.5 mm



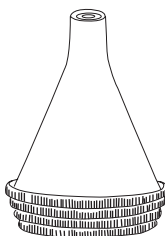
GRUBER
44.015.00
set 3

⑤ **44.018.50**
ø 5 mm

⑥ **44.018.60**
ø 6 mm

⑦ **44.018.70**
ø 7 mm

⑧ **44.018.80**
ø 8 mm



BOUCHERON
44.018.00
set 4

① **44.020.01**
ø 3.3 mm

② **44.020.02**
ø 4.3 mm

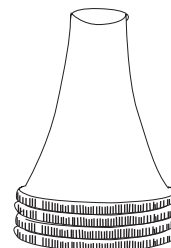
③ **44.020.03**
ø 4.8 mm

④ **44.020.04**
ø 5.3 mm

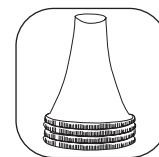
⑤ **44.020.05**
ø 5.8 mm

⑥ **44.020.06**
ø 6.3 mm

⑦ **44.020.07**
ø 6.7 mm



FARRIOR
44.020.00
set 9



6.5 mm

3

7 mm

2

8 mm

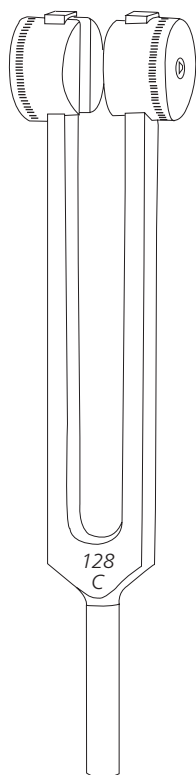
1



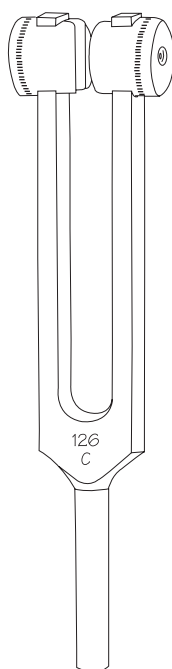
BHRUENINGS
44.030.04
complete



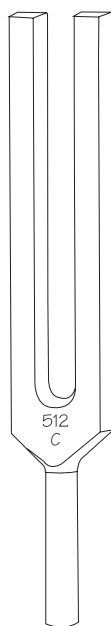
STIEGLE
44.036.03
complete



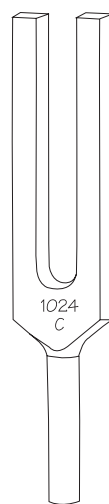
44.060.01
C 128



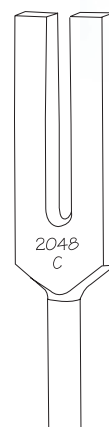
44.060.02
C 256



44.060.03
C 512



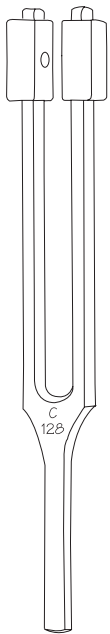
44.060.04
C 1024



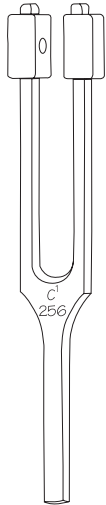
44.060.05
C 2048



diapason
44.061.00
set 5



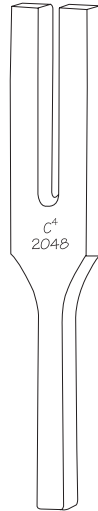
HARTMAN
44.070.01
C 128



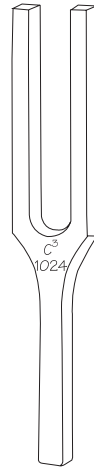
HARTMAN
44.070.02
C 256



HARTMAN
44.070.03
C 512



HARTMAN
44.070.04
C 2048



HARTMAN
44.070.05
C 1024



HARTMAN
44.071.00
complete



LUCAE
44.074.01
C 128



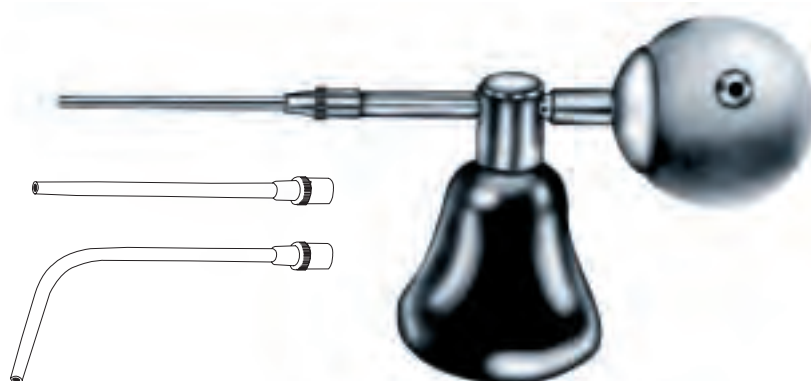
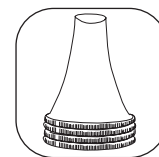
44.075.00



RYDEL SEIFFER
44.076.01
C 64 / C 128



BARANY
44.080.00
noise apparatus



KABIERKE
44.090.00
powder blower
30 cc



KABIERKE
44.090.01
powder blower
30 cc



POLITZER
44.091.00
complete
44.091.01
only



44.091.03



44.091.04
ø 4 mm



44.091.15
ø 15 mm

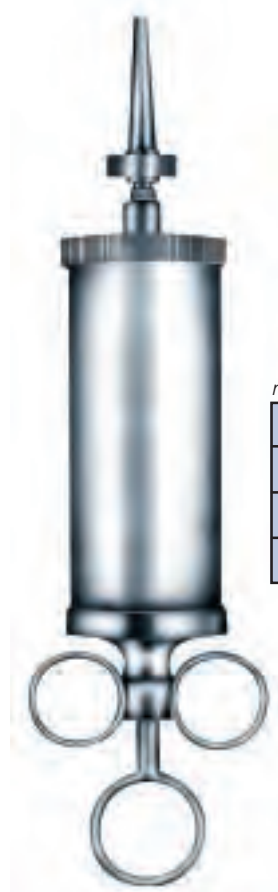


44.091.17
ø 17 mm



44.091.22
ø 22 mm

44.091.35
air bag only



ml	
50	44.096.50
75	44.096.75
100	44.097.10
150	44.097.15

REINER
44.096.50 - 44.097.15





mm

1 / 3 charr	44.101.03
1.7/5 charr	44.101.05
2 / 7 charr	44.101.07



fig

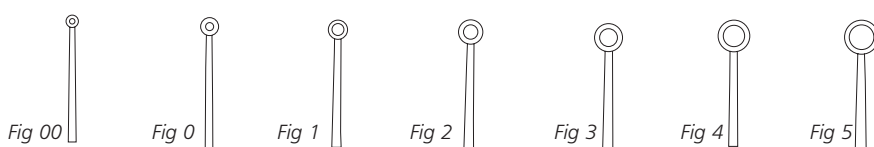
1	44.103.01
2	44.103.02
3	44.103.03
4	44.103.04

BARON

44.101.03 - 44.101.07

HOUSE

44.103.01 - 44.103.04

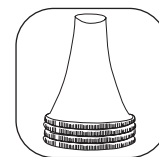


	44.109.00	44.110.00	44.110.01	44.110.02	44.110.03	44.110.04	44.110.05
	44.111.00	44.112.00	44.112.01	44.112.02	44.112.03	44.112.04	44.112.05
	44.114.00	44.115.00	44.115.01	44.115.02	44.115.03	44.115.04	44.115.05
	44.116.00	44.117.00	44.117.01	44.117.02	44.117.03	44.117.04	44.117.05

BUCK

44.109.00 - 44.117.05

curettes



- 0 44.131.00
- 1 44.131.01
- 2 44.131.02
- 3 44.131.03
- 4 44.131.04
- 5 44.131.05



- 1 44.133.01
- 2 44.133.02
- 3 44.133.03
- 4 44.133.04
- 5 44.133.05



HARTMANN
44.131.00 - 44.131.05

ITARD
44.133.01 - 44.133.05

POLITZER
44.150.18
18 cm

POLITZER
44.151.16
16.5 cm



POLITZER
44.153.16
16.5 cm



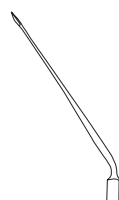
POLITZER
44.160.15
15 cm



SEXTON
44.162.18
18 cm
44.165.17
17 cm



44.162.18
18 cm



44.164.17
17 cm



44.165.17
17 cm



GROSS
44.170.12
12 cm



GROSS
44.171.12
12 cm

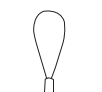




44.180.01



44.180.02



44.180.03

BILLEAU

44.180.01 - 44.180.03
15.5 cm



44.190.01



44.190.02

DAY

44.190.01 - 44.190.02
16 cm



44.192.01



44.192.02



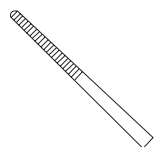
44.192.03



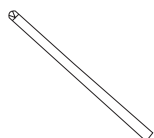
44.192.04

WAGENER

44.192.01 - 44.192.04
14 cm



44.201.11



44.203.11



WILDE TROELTSCH

44.201.11 - 44.203.11
12 cm



LUCAE

44.206.14
14 cm
44.206.16
16 cm



KRAUSE

44.220.16
16 cm

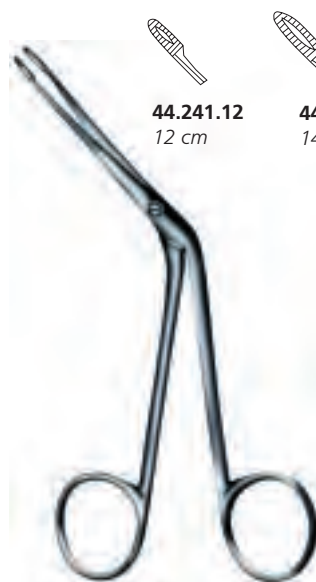
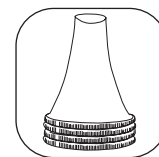


WILDE

44.222.17
17 cm



44.225.02
doz



44.241.12
12 cm

44.241.14
14 cm

HARTMAN
44.241.12 - 44.241.14



TILLEY
44.243.14
14 cm



LITTAUER
44.245.12
12 cm



QUIRE
44.251.10
10 cm



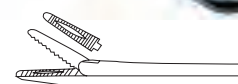
BUCK
44.253.11
11 cm



HARTMANN WULLSTEIN
44.255.08
8.5 cm



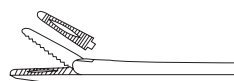
HARTMANN WULLSTEIN
44.257.08
8.5 cm



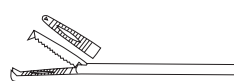
HARTMANN	
8.5	44.261.08
14.0	44.261.14
16.0	44.261.16



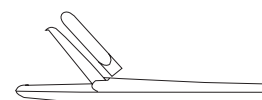
HARTMANN
44.255.08 - 44.275.08
foreign body levers



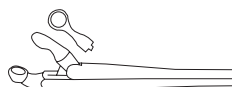
HARTMANN	
8.5	44.262.08
14.0	44.262.14
16.0	44.262.16



HARTMANN	
8.5	44.263.08
14.0	44.263.14
16.0	44.263.16



HARTMANN	
8.5	44.265.08
14.0	44.265.14
16.0	44.265.16



HARTMANN

ø cm 8.5 cm

1.0	44.267.10
2.0	44.267.20
2.5	44.267.25
3.0	44.267.30
3.5	44.267.35

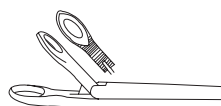
○ 3 mm



HARTMANN

44.269.30 - 44.270.30

8.5 cm



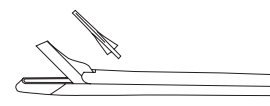
HARTMANN

44.271.08

8.5 cm

44.271.14

14 cm



HARTMANN

44.273.08

8.5 cm / 1 mm

44.273.09

8.5 cm / 1.5 mm

○ 2 mm



HARTMANN HOFFMANN

44.275.08

8.5 cm



BELLUCCI

44.310.40 - 44.322.70

micro ear scissors



BELLUCCI

44.310.40

micro mini

4 mm



BELLUCCI

44.312.55

micro standard

5.5 mm

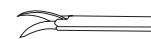


BELLUCCI

44.313.55

micro standard

4 mm

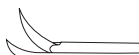


BELLUCCI

44.315.55

micro standard

5.5 mm



BELLUCCI

44.317.55

micro standard

5.5 mm



SHEA

44.320.70

7 mm



SHEA

44.321.70

7 mm



SHEA

44.322.70

7 mm



44.350.40 - 44.360.35

micro ear forceps



44.350.40

4 mm



44.350.70

7 mm



44.352.40

4 mm



44.353.60

6 mm



44.355.60

6 mm



44.357.40

4 mm



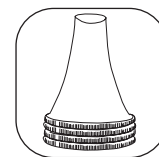
44.359.40

4 mm



44.360.35

4 mm



44.362.45 - 44.383.30



44.362.45
4.5 mm



44.363.45
4.5 mm



44.365.45
4 mm



44.367.50
5 mm



44.369.50
5 mm



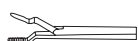
44.370.50
5 mm



McGEE
44.371.40
0.8 x 4.0 mm



COS
44.373.30
1.8 x 0.8 x 3 mm



JUERS
44.375.60
6 mm



JUERS
44.377.60
6 mm



HAUGH
44.381.30
45° 3 mm



HAUGH
44.383.30
45° 3 mm



DIETER
44.385.01 - 44.387.02
malleus nippers



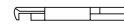
44.385.01
micro
upward



44.387.01
mini
upward



44.385.02
micro
downward



44.387.02
mini
downward



44.410.00 - 44.419.00
micro
RG
ring handle patterns

44.410.00



44.430.00

44.412.00



44.432.00

44.413.00



44.433.00

44.415.00



44.435.00

44.417.00



44.437.00

44.419.00



44.439.00



44.439.08



44.430.00 - 44.439.08
micro
BG
pencil handle patterns





44.420.00 - 44.429.00
micro mini
RG
ring handle patterns



44.510.00 - 44.549.00
micro
RG
ring handle patterns

44.420.00

44.422.00

44.423.00

44.425.00

44.427.00

44.429.00

44.510.00

44.511.00

44.513.00

44.514.00

44.515.00

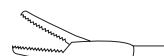
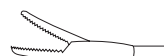
44.516.00

44.517.00

44.519.00

44.520.00

44.521.00



44.440.00

44.442.00

44.443.00

44.445.00

44.447.00

44.449.00

44.610.00

44.611.00

44.613.00

44.614.00

44.615.00

44.616.00

44.617.00

44.619.00

44.620.00

ø 1mm

ø 1.5 mm

ø 2 mm

ø 2.5 mm

44.522.00

44.528.00

44.534.00

44.540.00



44.622.00

44.628.00

44.634.00

44.640.00

44.523.00

44.529.00

44.535.00

44.541.00



44.623.00

44.629.00

44.635.00

44.641.00

44.525.00

44.531.00

44.537.00

44.543.00



44.625.00

44.631.00

44.637.00

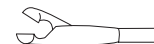
44.643.00

44.527.00

44.533.00

44.539.00

44.545.00



44.627.00

44.633.00

44.639.00

44.645.00

44.546.00



44.646.00

44.547.00



44.647.00

44.548.00



44.648.00

44.549.00



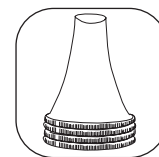
44.649.00



44.440.00 - 44.449.00
micro mini
BG
pencil handle patterns



44.610.00 - 44.649.00
micro
BG
pencil handle patterns



44.550.00 - 44.589.00
micro mini
RG
ring handle patterns

44.550.00		44.650.00
44.551.00		44.651.00
44.553.00		44.653.00
44.554.00		44.654.00
44.555.00		44.655.00
44.556.00		
44.557.00		44.657.00
44.559.00		44.659.00
44.560.00		44.660.00
44.561.00		
44.562.00		44.662.00
44.563.00		44.663.00
44.565.00		44.665.00
44.567.00		44.667.00
44.586.00		44.686.00
44.587.00		44.687.00
44.588.00		44.688.00
44.589.00		44.689.00



44.650.00 - 44.689.00
micro mini
BG
pencil handle patterns



44.701.01



44.701.02



SCHUKNECHT
44.703.15
15.5 cm



WULLSTEIN
44.704.15
15.5 cm



TABB
44.705.15
15.5 cm



PLESTER
44.706.35
15.5 cm / ø 3.5 mm



44.709.10
1.0 mm



44.709.14
1.4 mm



44.709.16
1.6 mm



44.709.20
2.0 mm



44.709.26
2.6 mm



44.709.28
2.8 mm



44.709.30
3.0 mm

ROSEN
44.709.10 - 44.709.30
15.5 cm



BARBARA
44.710.15



BARBARA
44.711.15



BARBARA
44.713.15



BARBARA
44.715.15



mm

25°

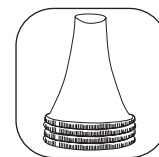
45°

90°

mm	25°	45°	90°
0.3	44.720.03	44.722.03	44.724.03
0.6	44.720.06	44.722.06	44.724.06
1.0	44.720.10	44.722.10	44.724.10
1.2		44.722.12	44.724.12
1.5		44.722.15	44.724.15
2.0		44.722.20	44.724.20
2.5		44.722.25	44.724.25

44.725.05
0.5 mm
44.725.10
1.0 mm

BARBARA
44.710.15 - 44.725.10
15.5 cm



44.730.03 - 44.747.10
15.5 cm

mm	90°	90°
0.3	44.730.03	44.732.03
0.6	44.730.06	44.732.06
1.0	44.730.10	44.732.10

mm	McGEE	McGEE
0.5	44.733.05	44.735.05
1.0	44.733.10	44.735.10

	BARBARA	ROSEN
	44.736.15	44.737.15

mm	25°	25°	45°	45°
0.3	44.741.03	44.743.03	44.745.03	44.747.03
0.6	44.741.06	44.743.06	44.745.06	44.747.06
1.0	44.741.10	44.743.10	44.745.10	44.747.10



FISCH
44.751.16 - 44.757.16
15.5 cm

44.751.16	44.753.06
44.755.16	44.757.16



HOUSE
44.760.01 - 44.762.02
15.5 cm

mm	
1.0 / 1.2	44.760.01
1.5 / 1.8	44.760.02

mm	
1.0 / 1.2	44.762.01
1.5 / 1.8	44.762.02



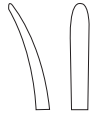
HOUSE
44.766.35 - 44.766.55
15.5 cm

44.766.35	3.5 mm
44.766.40	4.0 mm
44.766.45	4.5 mm
44.766.50	5.0 mm

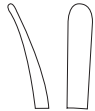




44.802.16
1 mm



44.803.16
2 mm



44.805.16
3 mm

LEMPERT
44.802.16 - 44.805.16
20.5 cm



LEMPERT
44.807.20
20.5 cm



44.810.02
2 x 2 mm

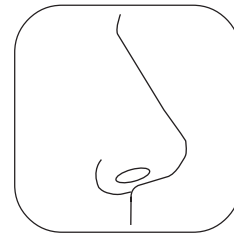


44.810.03
3 x 3 mm

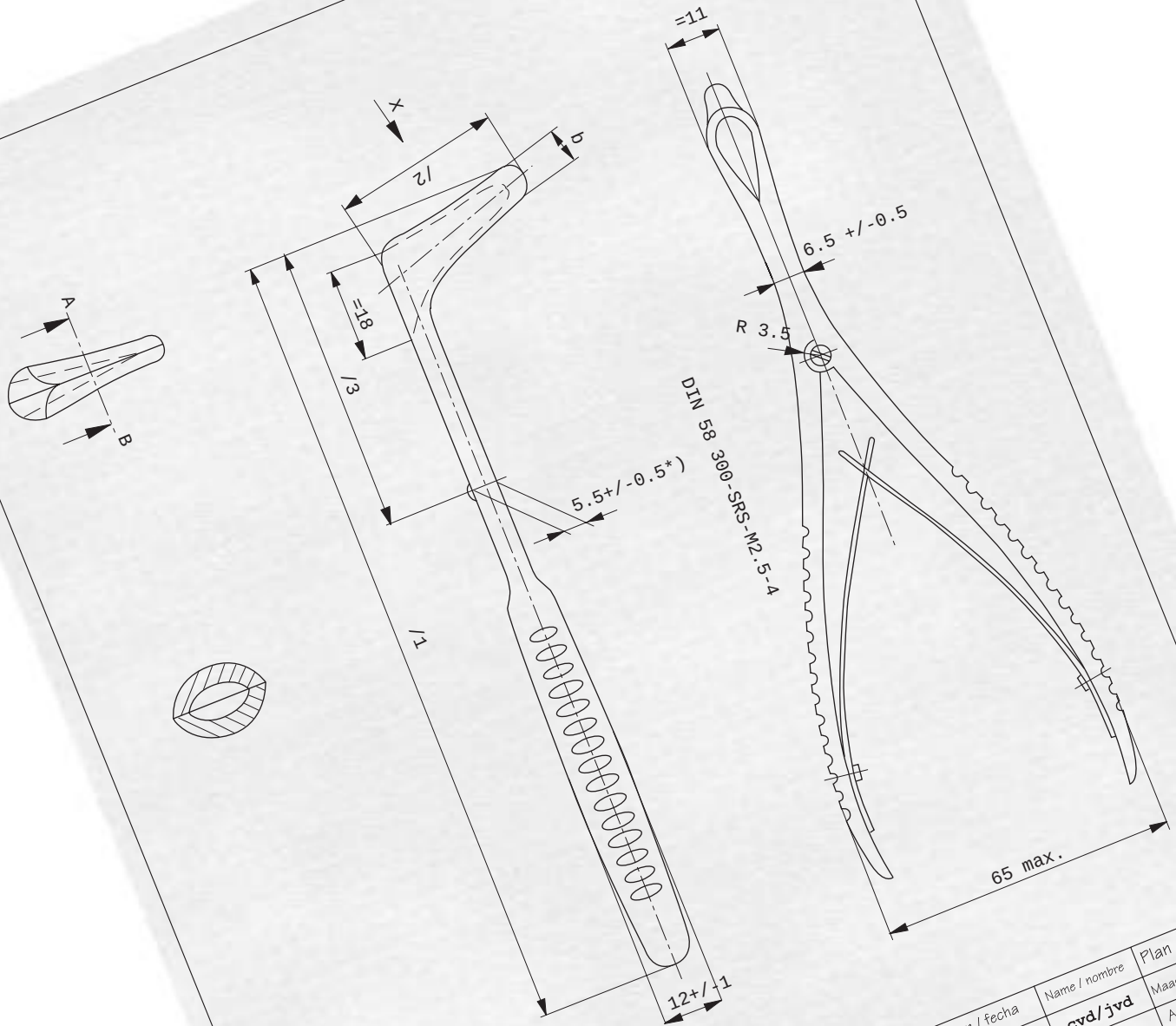
PASSOW
44.810.02 - 44.810.03
13 cm



MUCK
44.812.13
13 cm



46
Rhino
Rinología
RhinoLogie

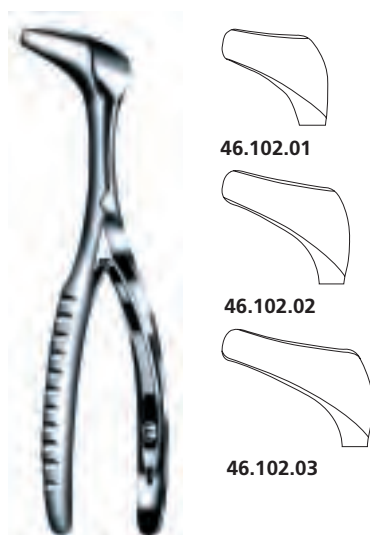
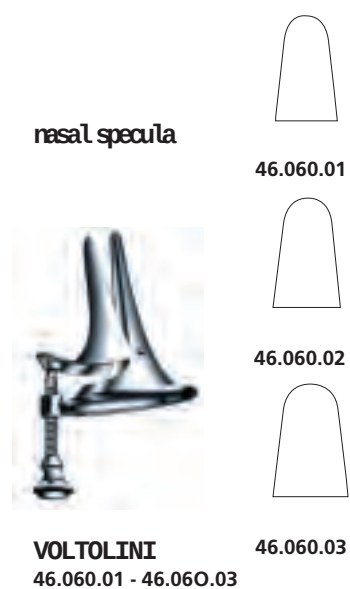
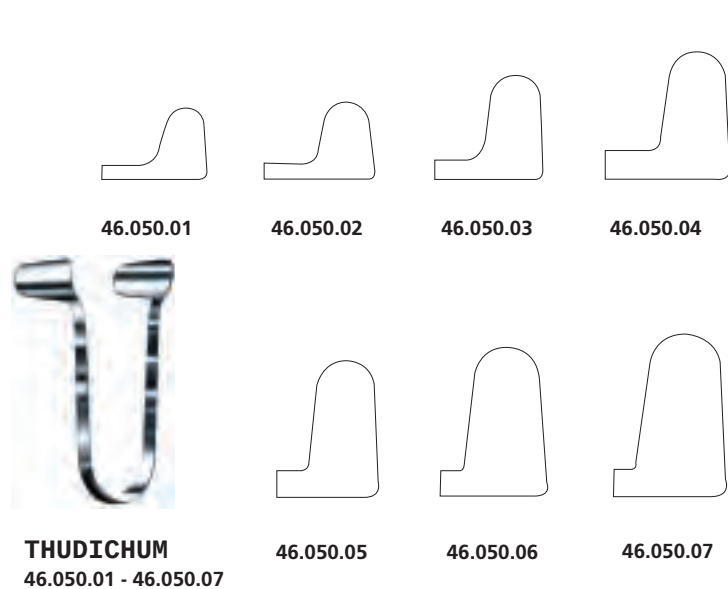


The image shows a technical drawing of a U-bolt at the top. The U-bolt has a diameter of 12 mm, indicated by the dimension 12 ± 1 . The drawing is a side view showing the U-shape and the threaded ends.

Below the drawing is a table with multiple columns and rows, providing technical specifications and contact information in various languages. The table is organized as follows:

GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F		July '98	cvd/jvd	1
		July '98	cvd	Maestab / escala 1:1
		June '99	mj	Abt. / acot. mm
				Artikel / artículo
Stainless Steel		 DEWIMED®		
Inoxidable				
		Artikel-Nr. / No. de artic		

The table contains information in English, Spanish, and German. The 'Name / nombre' column lists the names of the individuals responsible for the catalog: cvd/jvd, cvd, and mj. The 'Plan / plano' column lists the scale (1:1) and the sheet number (1). The 'Artikel / artículo' column lists the article number (1).



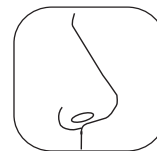
HARTMANN HALLE
46.102.01 - 46.102.03



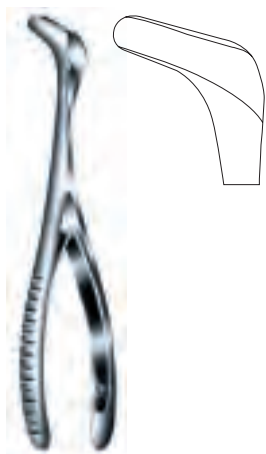
Vienna
46.112.01
baby
46.112.02
child
46.112.03
adult



Vienna
46.113.03
lightweight



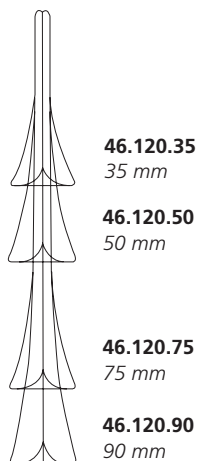
nasal specula



TIECK HALLE
46.116.13
13.5 cm



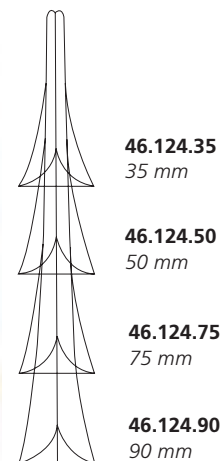
KILLIAN
46.120.35 - 46.120.90



46.120.35
35 mm
46.120.50
50 mm
46.120.75
75 mm
46.120.90
90 mm



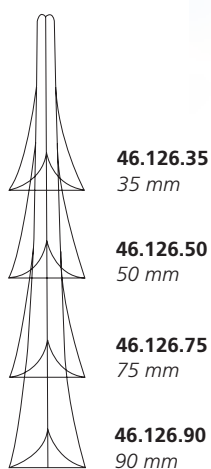
COTTLE
46.124.35 - 46.124.90



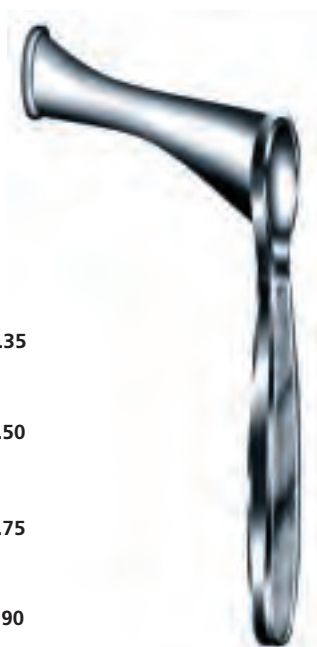
46.124.35
35 mm
46.124.50
50 mm
46.124.75
75 mm
46.124.90
90 mm



COTTLE
46.126.35 - 46.126.90



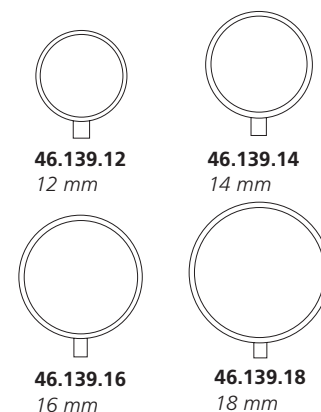
46.126.35
35 mm
46.126.50
50 mm
46.126.75
75 mm
46.126.90
90 mm



YANKAUER
46.131.19
19 cm



MICHEL
46.139.12 - 46.139.18
25 cm



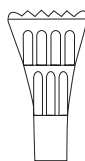
46.139.12
12 mm
46.139.14
14 mm
46.139.16
16 mm
46.139.18
18 mm



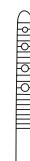
COTTLE
46.151.10
10 cm



OGURA
46.151.11
11 cm



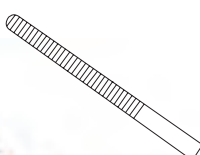
COTTLE
46.151.14
14 cm



TROELTSCH
46.151.15
15 cm

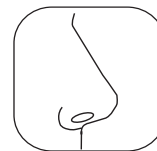


TROELTSCH
46.151.18
18 cm



JANSEN
46.154.20
16 cm





HARTMANN
46.161.16
16 cm



HARTMANN
46.161.20
20 cm



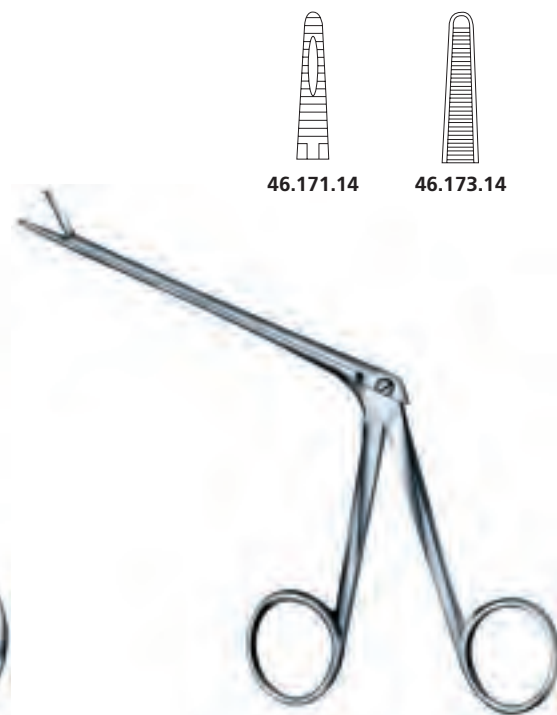
LUBET BARBON
46.165.20
20 cm



LITTAUER
46.167.18
18 cm

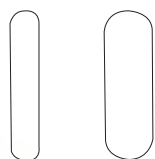


HEYMANN KNIGHT
46.169.18
18 cm



46.171.14 46.173.14

NOYES
46.171.14 - 46.173.14
14 cm



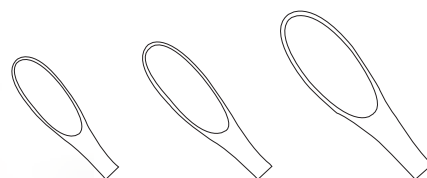
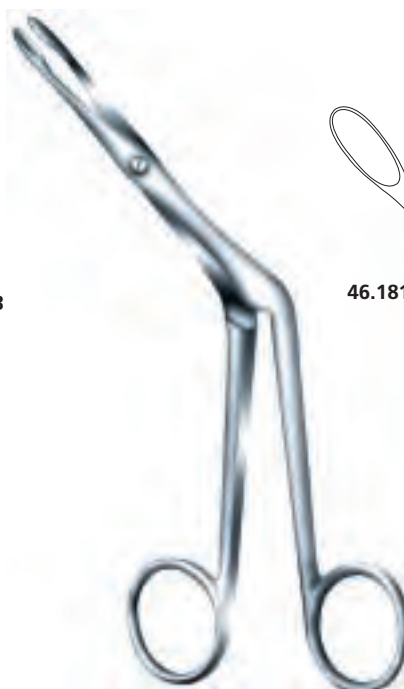
46.175.02

46.175.03

TAKAHASHI

46.175.02 - 46.175.03

12 cm



46.181.01

46.181.02

46.181.03

HEYMANN

46.181.01 - 46.181.03

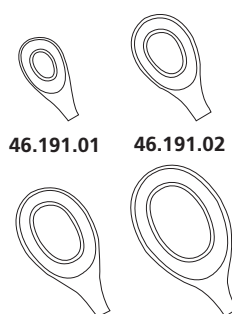
18 cm



KNIGHT

46.185.18

18.5 cm



46.191.01

46.191.02

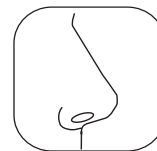
46.191.03

46.191.04

BRUENINGS

46.191.01 - 46.191.04

19 cm



LUC
46.195.01 - 46.195.02
19 cm



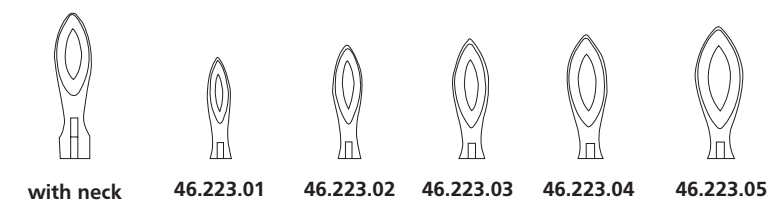
LUC
46.197.01 - 46.197.02
19 cm



THORNWALD
46.209.23
23 cm
tip 3.5 mm



without neck 46.221.01 46.221.02 46.221.03 46.221.04 46.221.05



with neck 46.223.01 46.223.02 46.223.03 46.223.04 46.223.05



WEIL BLAKESLEY
46.221.01 - 46.223.05
12 cm



46.225.01

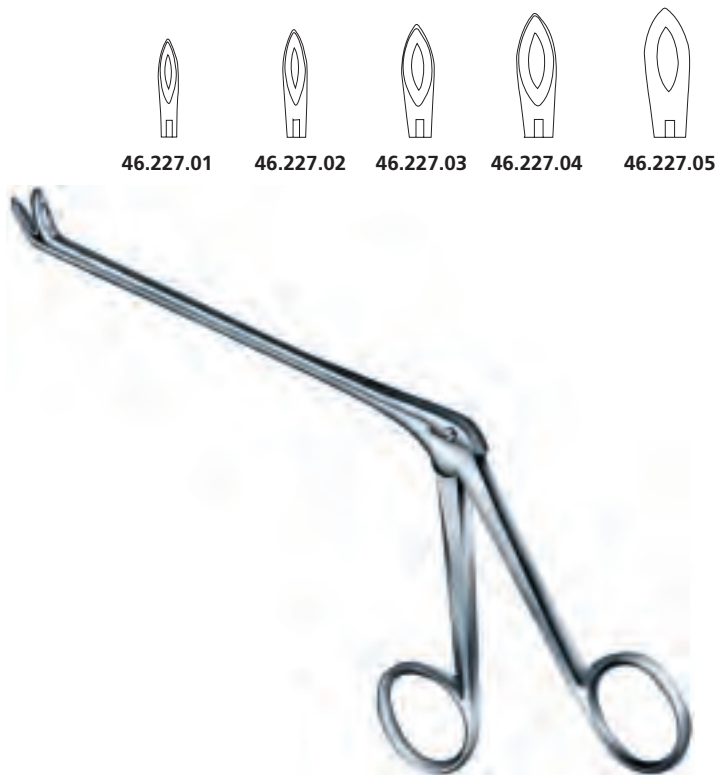


46.225.02



46.225.03

WEIL BLAKESLEY
46.225.01 - 46.225.03
14 cm



46.227.01



46.227.02



46.227.03

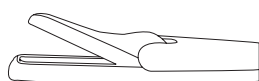


46.227.04

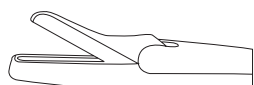


46.227.05

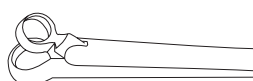
WEIL BLAKESLEY
46.227.01 - 46.227.05
18 cm



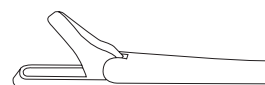
STRUYCKEN
46.231.01 - 46.231.02
12 cm



STRUYCKEN
46.232.01 - 46.232.02
18 cm



HARTMANN
46.235.05 - 46.235.11



MYLES
46.237.01 - 46.237.03



46.231.01 - 46.237.03
nasal cutting forceps
12 cm



46.235.05
5 mm



46.235.07
7 mm



46.235.09
9 mm



46.235.11
11 mm



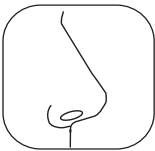
46.237.01



46.237.02



46.237.03



WATSON WILLIAMS
46.239.01 - 46.239.03
12 cm



CAPLAN
46.251.20
20 cm



RUBIN
46.251.21
21 cm



mm

3	46.303.03
4	46.303.04
5	46.303.05
6	46.303.06

KERRISON
46.303.03 - 46.303.06
17 cm
85 mm





HAJEK KOFLER
46.305.01
13 cm
tip 3.5 mm



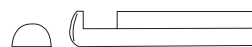
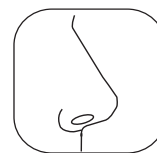
46.305.01
up wards



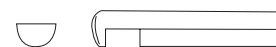
HAJEK KOFLER
46.305.02
13 cm
tip 3.5 mm



46.305.02
downwards



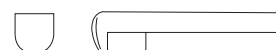
46.306.03
3x3 mm



46.307.03
3x3 mm



46.306.05
5x5 mm



46.307.05
5x5 mm



FERRIS SMITH KERRISON
46.306.03 - 46.307.05
18 cm



CITELLI
46.311.10 - 46.311.40
6 cm

mm

1.0	46.311.10
2.5	46.311.25
4.0	46.311.40

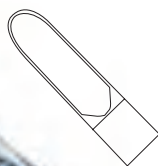
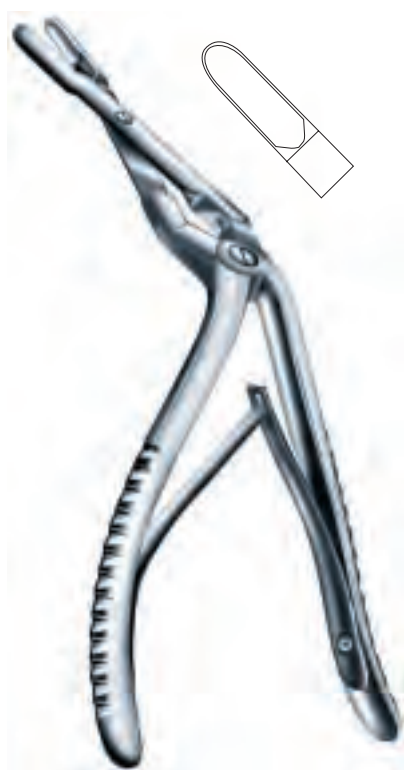


BEYER
46.315.20
9 cm
tip 2.0 mm





HAJEK CLAUS
46.320.20
20 cm



MIDDLETON JANSEN
46.323.19
19 cm



MIDDLETON JANSEN
46.325.19
19 cm



SEIFFERT
46.336.18
18 cm
tip 0.9 mm



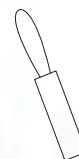
LICHTWITZ
46.340.15 - 46.340.20

mm

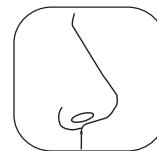
100 x 1.5	46.340.15
100 x 1.8	46.340.18
100 x 2.0	46.340.20



KILLIAN
46.341.03
14 cm



KRAUSE
46.351.26
26 cm



WILDE
46.352.24
24 cm



46.355.03
0.3 mm
banded (12 pieces)



46.370.16
blunt



46.371.16
blunt



46.372.16
sharp



46.373.16
sharp

JOSEPH
46.370.16 -46.373.16
16 cm



FREER
46.374.15
15 cm



FREER
46.375.19
19 cm



JOSEPH
46.376.16
16 cm



CONVERSE
46.379.16
16 cm





COTTLE
46.380.15
15 cm



COTTLE
46.382.15
15 cm



COTTLE
46.384.15
15 cm



COTTLE
46.385.15
15 cm



MALTZ
46.387.00
16 cm



BALLENGER
46.390.03 - 46.390.05
20 cm



46.390.03
3 mm



46.390.04
4 mm



46.390.05
5 mm



BALLENGER
46.392.03 - 46.392.05
20 cm



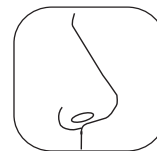
46.392.03
3 mm



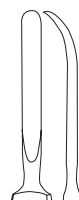
46.392.04
4 mm



46.392.05
5 mm



BRUENINGS
46.398.16
16.5 cm



46.410.04
4 mm

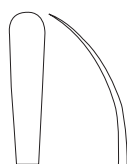


46.410.05
5 mm

McKENTY
46.410.04 - 46.410.05
15 cm



ORTIZ MONASTERIO
46.411.11 - 46.412.11
11 cm



ROGER
46.413.19
19 cm



FREER
46.415.18
18 cm



46.417.19



46.419.19

FREER
46.417.19 - 46.419.19
19 cm





COTTLE
46.421.23
23 cm



COTTLE
46.423.22
22 cm



JOSEPH
46.425.16
16 cm



COTTLE
46.425.19
19 cm



KILLIAN
46.426.22
23 cm



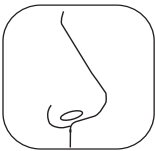
HAJEK BALLENGER
46.428.21
22 cm



BALLENGER
46.430.22
22 cm



FREER
46.450.04
16 cm



4 mm

FREER
46.451.04
16 cm



46.452.02
2 mm



46.452.04
4 mm



46.452.06
6 mm

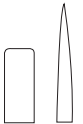


46.452.08
8 mm



46.452.10
10 mm

ORTIZ MONASTERIO
46.452.02 - 46.452.10
16 cm



46.454.04
4 mm



46.454.07
7 mm



46.454.09
9 mm



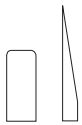
46.454.12
12 mm

COTTLE
46.454.04 - 46.454.12
18 cm



6 mm

COTTLE
46.455.06
18 cm



46.458.04
4 mm



46.458.07
7 mm



46.458.09
9 mm



46.458.12
12 mm

COTTLE
46.458.04 - 46.458.12
18 cm

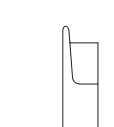


mm

4	46.460.04
7	46.460.07
12	46.460.12

COTTLE
46.460.04 - 46.460.12
18 cm

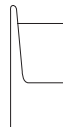




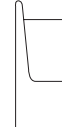
46.470.04
4 mm



46.470.05
5 mm



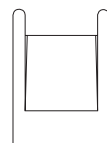
46.470.06
6 mm



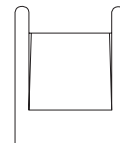
46.470.07
7 mm

FOMON

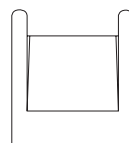
46.470.04 - 46.470.07
17 cm



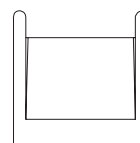
46.472.10
10 mm



46.472.12
12 mm



46.472.14
14 mm



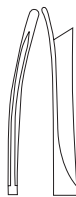
46.472.16
16 mm

CINELLI

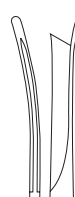
46.472.10 - 46.472.16
16 cm



SILVER
46.473.01
18 cm



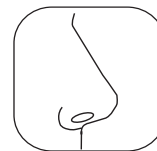
SILVER
46.473.02
18 cm



SILVER
46.473.03
18 cm



KILLIAN CLAUS
46.482.05
17 cm



mm

4	46.484.04
6	46.484.06
8	46.484.08

HAJEK
46.484.04 - 46.484.08
16 cm



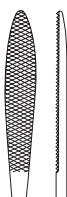
WEST
46.486.16
16 cm



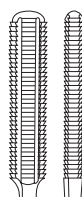
WEST
46.487.16
16 cm



FREER
46.489.16
16.5 cm



JOSEPH
46.502.16
16 cm



AUFRICHT
46.504.18
18 cm



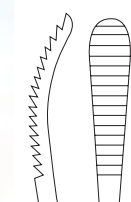
46.507.18



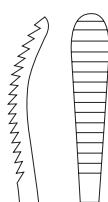
46.507.19

LEWIS
46.507.18 - 46.507.19
18 cm





46.511.21

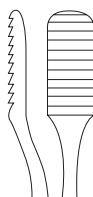


46.513.21

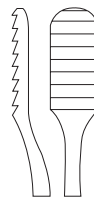
WEINER

46.511.21 - 46.513.21

21 cm



46.514.16

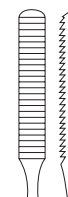


46.516.16

JOSEPH LEWIS

46.514.16 - 46.516.16

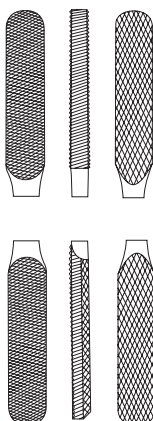
18 cm



MALTZ

46.518.21

21 cm



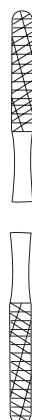
FOMON

46.520.21

21 cm



46.522.01 TC



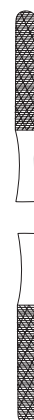
46.522.03 TC



46.522.05 TC



46.522.07 TC

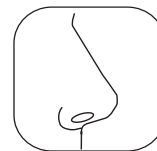


46.522.09 TC

FOMON

46.522.01 TC - 46.522.09 TC

20 cm



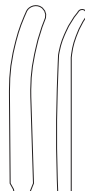
46.526.16



46.527.16



46.529.16



JOSEPH
46.535.01
17 cm
left



JOSEPH
46.535.02
17 cm
right

GALLAHER
46.526.16 - 46.529.16
16 cm



46.532.19
left



46.534.19
right



AUFRICHT
46.551.16
16 cm



AUFRICHT
46.553.13
13 cm

JOSEPH
46.532.19 - 46.534.19
19 cm





NEIVERT
46.553.16
16 cm



COTTLE
46.554.15
15 cm



COTTLE
46.555.14
14 cm



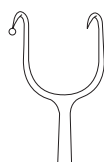
COTTLE
46.555.15
15 cm



COTTLE
46.556.14
14 cm



46.556.14
sharp



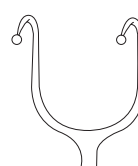
46.556.12
ball right



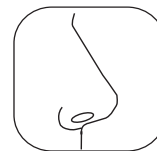
46.556.11
ball left



FOMON
46.556.16
16 cm



FOMON
46.557.17
17 cm



COTTLE NEIVERT
46.559.20
20 cm



46.560.18
18 cm
46.560.23
23 cm



46.562.18
18 cm

GILLIES
46.560.18 - 46.562.18



ASCH
46.571.23
23 cm



WALSHAM
46.572.23 - 46.575.23
23 cm

universal	46.572.23
right	46.573.23
left	46.575.23



JATHO
46.595.15
15 cm

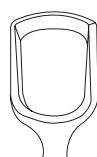




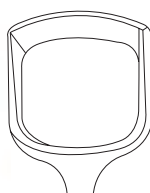
FAULKNER
46.601.21
21 cm



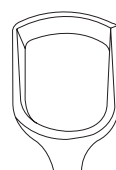
BECKMANN
46.620.01 - 46.620.06
22 cm



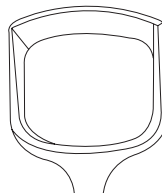
46.620.01



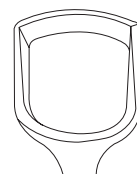
46.620.04



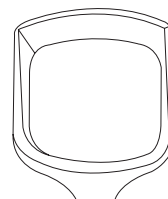
46.620.02



46.620.05



46.620.03



46.620.06



COAKLEY
46.607.01 - 46.607.06
17 cm



46.607.01



46.607.02



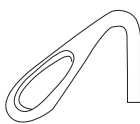
46.607.03



46.607.04



46.607.05



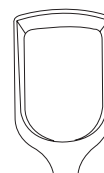
46.607.06



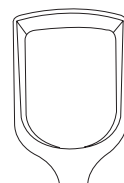
BARNHILL
46.630.01 - 46.630.04
22 cm



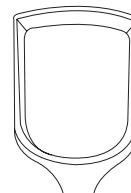
46.630.01



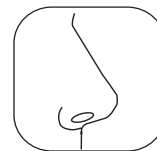
46.630.02



46.630.03



46.630.04



46.636.01

46.636.02

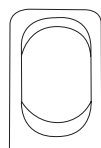
46.636.03

46.636.04

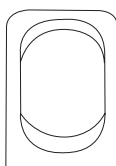
ST. CLAIR THOMSON

46.636.01 - 46.636.04

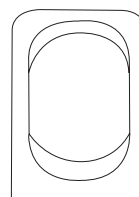
23 cm



46.641.01



46.641.02



46.641.03



LAFORCE
46.642.01



LAFORCE
46.642.02



LAFORCE
46.642.03



LAFORCE
46.641.01 - 46.641.03





THE ITALIAN NOSE La Nariz Italiana Die Italienische Nase

In the 16th century, the Italian surgeon Tagliacozzi made reconstruction of destroyed noses possible. He took a piece of skin from one of the patient's arm and put it over the nose's back and stitched it up. In order to maintain a alimention bridge, he left a part united to the arm until the new nose was cicatrized. During the whole treatment he bandaged head and arm together.

Even though Tagliacozzi was not the inventor of the surgical nose, he was the first one who described precisely the procedure.



Ya en el siglo XVI la reconstrucción de narices destruidas era posible en Italia gracias al cirujano Tagliacozzi. El colocaba un pedazo de piel de uno de los brazos del paciente sobre el hueso nasal y lo cosía. Dejaba una parte del pedazo todavía unido al brazo, para así mantener un puente alimentionicio. Era hasta cuando empezaba a cicatrizar alrededor de la nariz, cuando separaba éste del brazo.

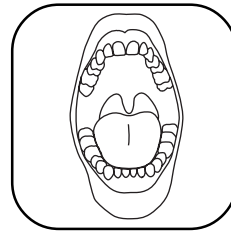
Cabeza y brazo los mantenía bien vendados en la posición correspondiente.

Aunque Tagliacozzi no fue el inventor de la nariz quirúrgica, fue el primero en descubrir exactamente el procedimiento para ésta.

Im 16. Jahrhundert machte der italienische Chirurg Tagliacozzi die Wiederherstellung zerstörter Nasen möglich.

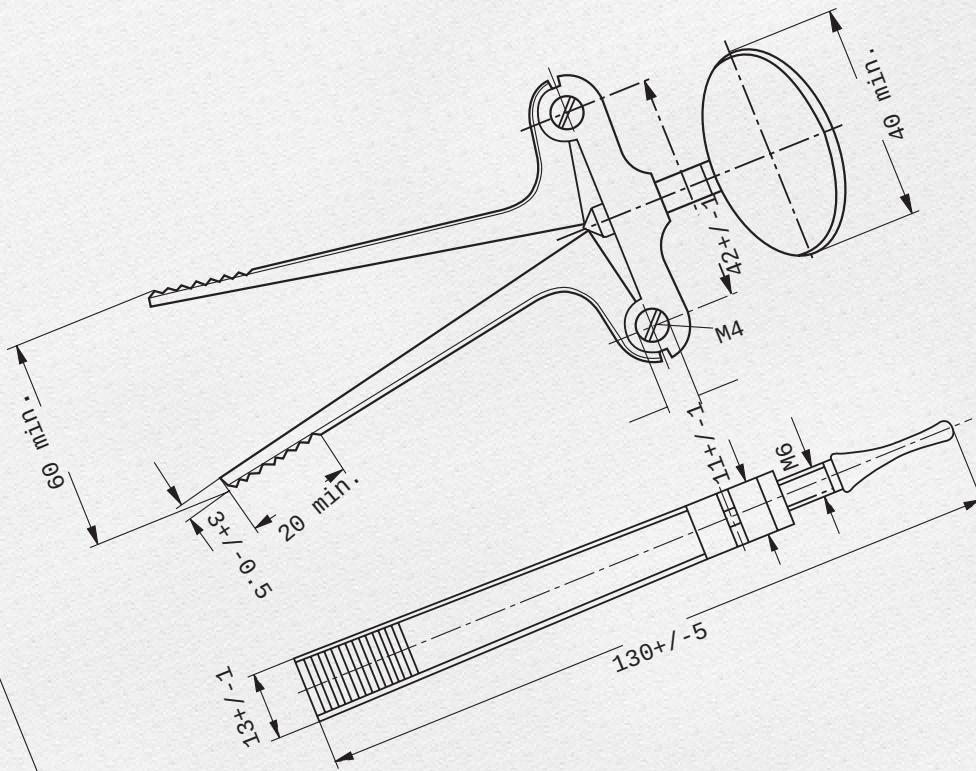
Er nähte einen Hautlappen aus dem Arm auf den Nasenstumpf. Dabei ließ er eine schmale Ernährungsbrücke bestehen, die er erst durchtrennte, wenn der Hautlappen an den Nasenstumpf angewachsen war. Kopf und Arm hielt er durch feste Verbände in der entsprechenden Position fest.

Zwar war Tagliacozzi nicht der Erfinder der chirurgischen Nase, jedoch der erste, der die Vorgehensweise genau beschrieben hat.



48

Mouth and Tongue
Boca y Lengua
Mund und Zunge



F			GENERAL CATALOGUE	Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
					July '98	cvd/jvd	1
					July '98	cvd	Maaetab / escala 1:1
					June '99	mj	Art. / acot. mm
				Artikel-Nr. / No. de articulo			

 **DEWIMED®**

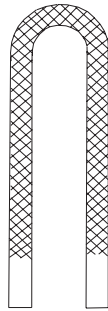
551



48.102.16
16 cm



FRENZEL
48.105.16
16.5 cm



BRUENINGS
48.107.19
19 cm



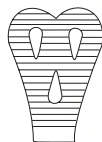
BUCHWALD
48.109.19
19 cm



HARTMANN
48.111.15
15 cm



48.115.01
14 cm



48.115.02
15 cm

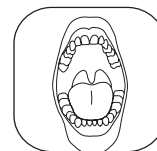
WIEDER
48.115.01 - 48.115.02



ANDREW
48.117.11
11 cm



TOBOLD
48.119.14
14.5 cm



cm

14	48.227.14
16	48.227.16
18	48.227.18

STERNBERG

48.227.14 - 48.227.18



cm

12	48.229.12
14	48.229.14
16	48.229.16

STERNBERG

48.229.12 - 48.229.16



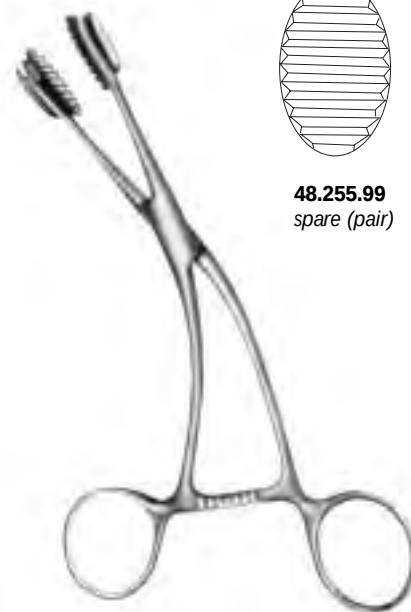
48.230.11
11 cm



48.235.19
19 cm



COLLIN
48.250.16
16 cm
48.250.18
18 cm



48.255.99
spare (pair)

YOUNG
48.255.16
16 cm




DOYEN JANSEN
48.265.12
12 cm
48.265.14
14 cm

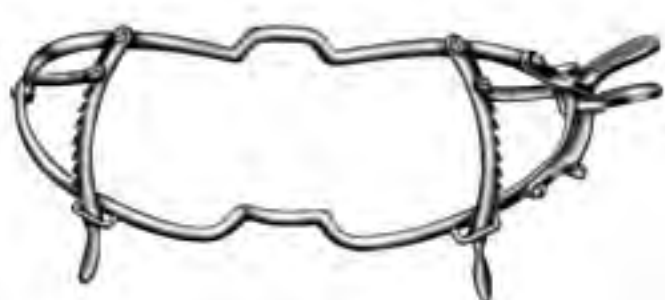
DENHART
48.267.12
12 cm

ROSER KOENIG
48.270.16
16 cm
48.270.19
19 cm

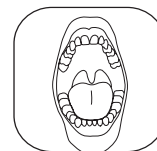
HEISTER
48.272.13
13 cm

JENNINGS
48.274.09 - 48.274.15
cm

9	48.274.09
11	48.274.11
13	48.274.13
15	48.274.15


WHITEHEAD
48.280.11 - 48.280.15
cm

11	48.280.11
13	48.280.13
15	48.280.15



WHITEHEAD
 48.281.11 - 48.281.15

cm

11	48.281.11
13	48.281.13
15	48.281.15



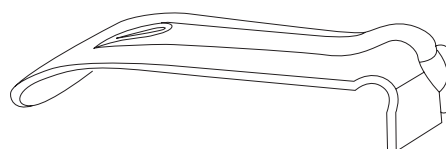
SEEMANN SEIFFERT
 48.285.09 - 48.285.15

cm

9	48.285.09
11	48.285.11
13	48.285.13
15	48.285.15

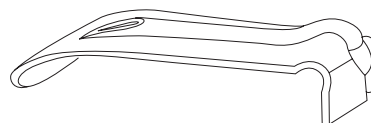


DAVIS BOYLE
 48.310.00
 complete



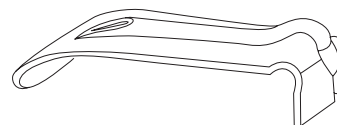
48.310.01

26 x 110 mm



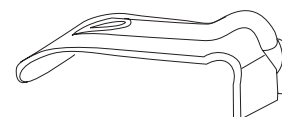
48.310.02

25 x 90 mm



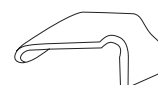
48.310.03

24 x 75 mm



48.310.04

22 x 65 mm



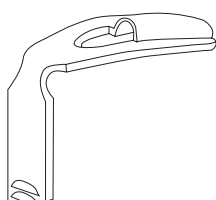
48.310.05

20 x 25 mm

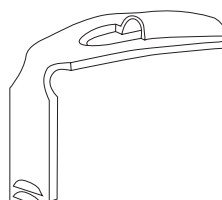


<i>normal</i>	48.310.10
<i>children</i>	48.310.11
<i>teenagers</i>	48.310.12

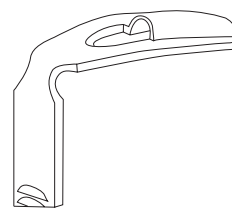
DAVIS BOYLE
48.310.10 - 48.310.12



48.315.01
28 x 65 mm



48.315.02
32 x 75 mm

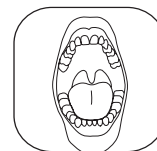


48.315.03
37 x 80 mm

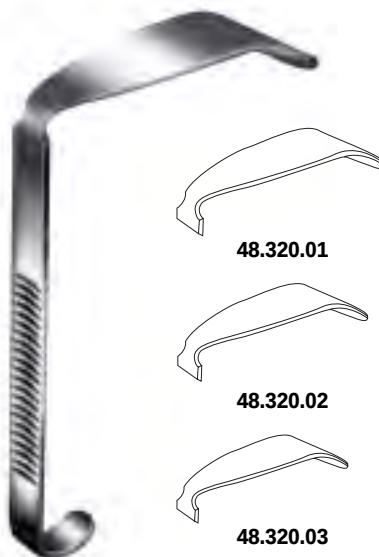


48.315.00
complete

KILNER DOUGHTY
48.315.00 - 48.315.03



KILNER DOUGHTY
 48.315.10



McIVOR
 48.320.00

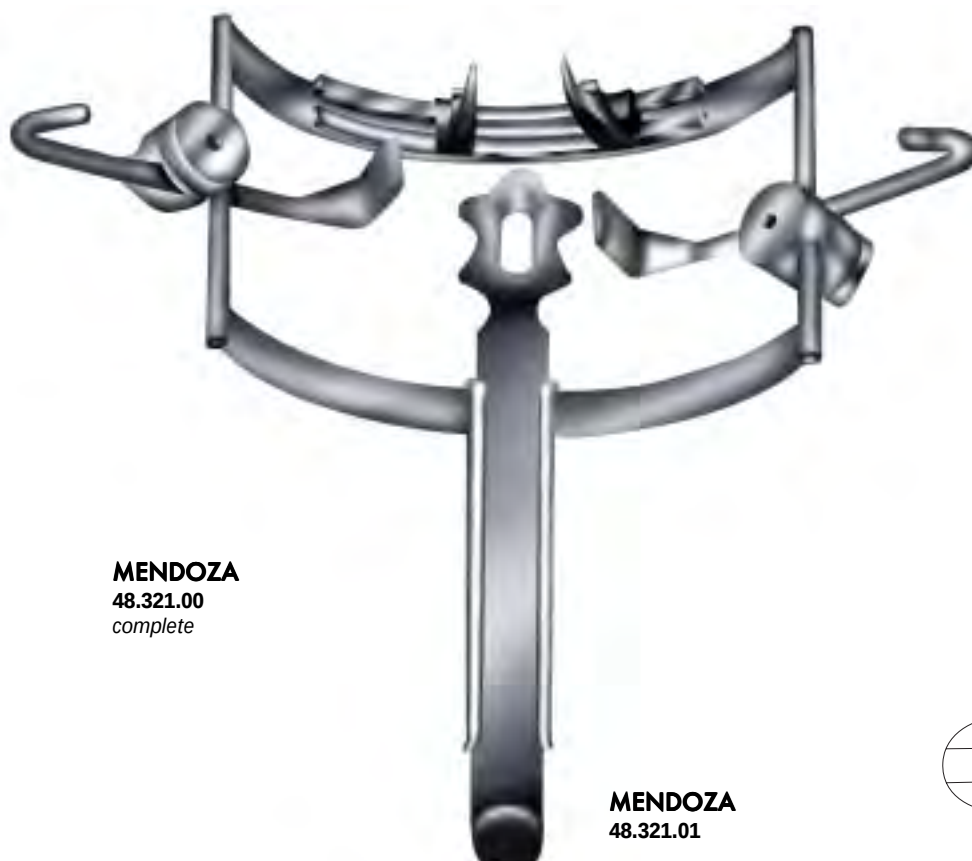
48.320.01

48.320.02

48.320.03

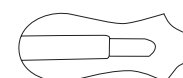


McIVOR
 48.320.10

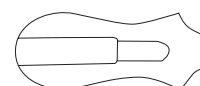


MENDOZA
 48.321.00
complete

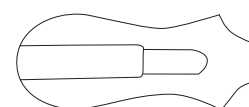
MENDOZA
 48.321.01



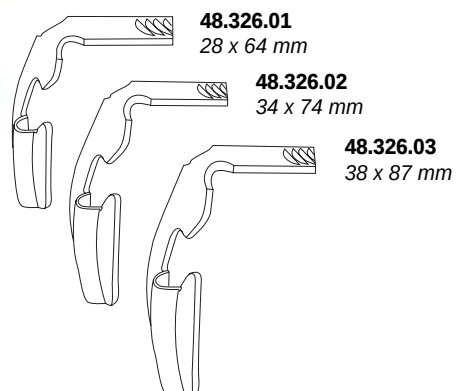
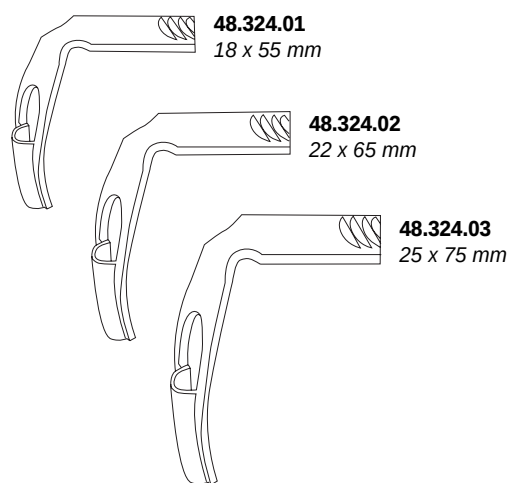
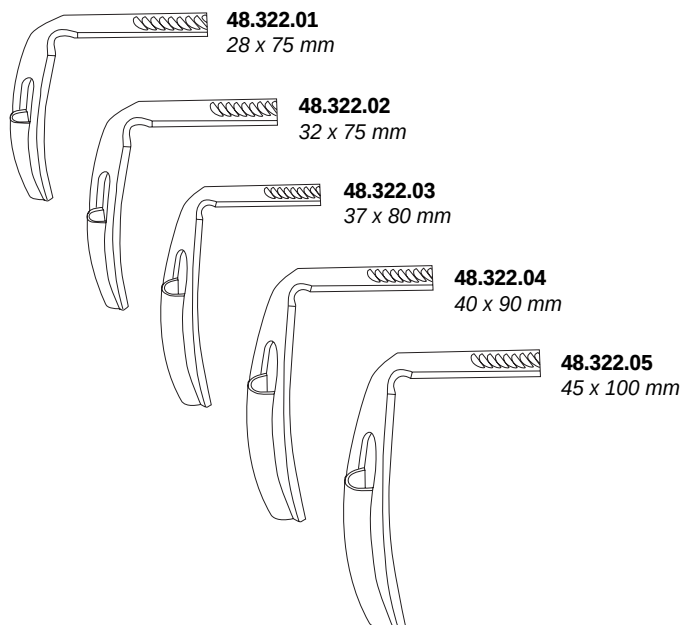
48.321.24
 24 x 55 mm

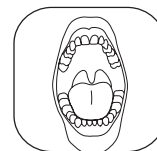


48.321.28
 28 x 60 mm

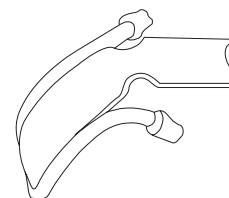


48.321.31
 31 x 70 mm



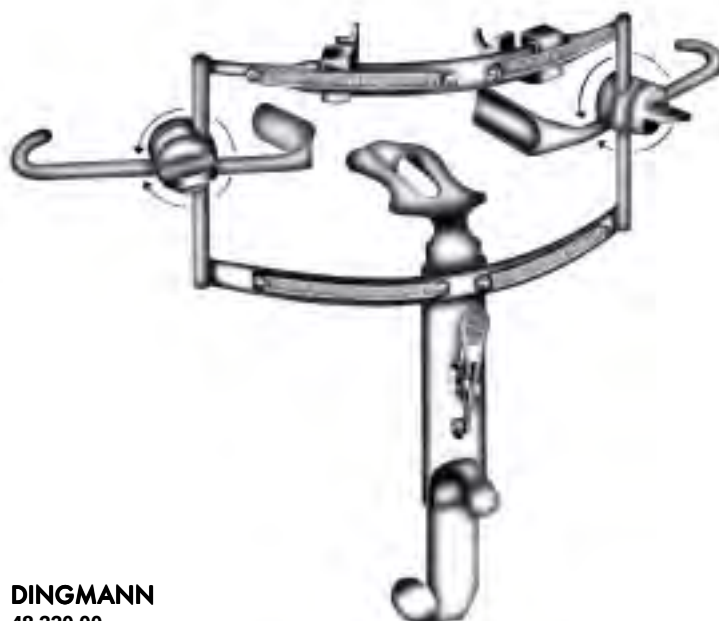


DAVIS MEAER
 48.328.01 - 48.328.07



mm

29 x 70	48.328.01
30.5 x 75	48.328.02
31.5 x 80	48.328.03
32.5 x 85	48.328.04
33.5 x 95	48.328.05
33.8 x 100	48.328.06
34 x 105	48.328.07

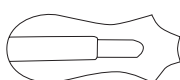


DINGMANN
 48.330.00
complete

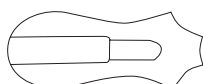
DINGMANN
 48.330.09



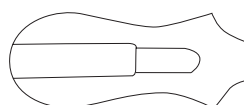
MAUNDER
 48.360.10



48.330.01



48.330.02



48.330.03



48.365.20

Large Edentulous

48.365.22

Large Adult

48.365.24

Adult Size

48.365.26

Child Size

48.365.28

Small Child Size



PITHA
48.365.10



McKESSON
48.365.20 - 48.365.28



48.371.01
fig. 1



48.371.02
fig. 2

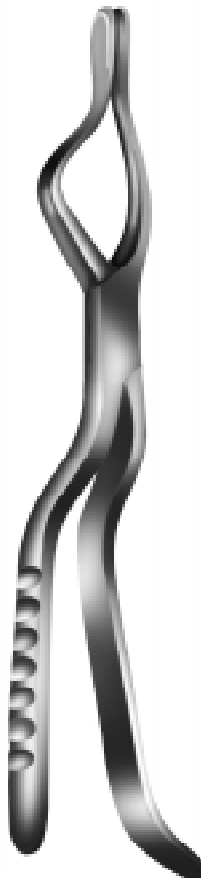


48.371.03
fig. 3

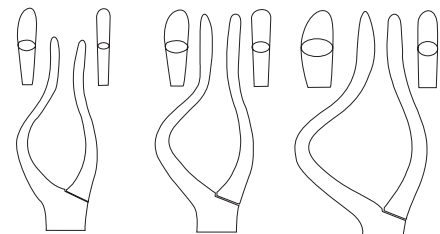
LANGENBECK
48.371.01 - 48.371.03



ROWE
48.501.22 - 48.501.24
left



ROWE
48.503.22 - 48.503.24
right

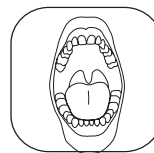


22.5 cm

23.5 cm

24 cm

left	48.501.22	48.501.23	48.501.24
right	48.503.22	48.503.23	48.503.24



TESSIER
48.507.01
left
48.507.02
right



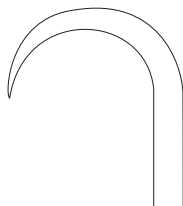
48.530.01
 15 cm



DINGMANN
48.541.10
 19 cm



48.541.10
 10 mm



48.541.20
 20 mm



DINGMANN
48.543.01
 15 cm, *right*
48.543.02
 15cm, *left*



DINGMANN
48.545.20
 21 cm



48.581.24
24 cm



MUNRO
48.591.20 - 48.591.35



48.591.20
20 mm



48.591.25
25 mm



48.591.30
30 mm



48.591.35
35 mm



OBWEGESER
48.593.40 - 48.593.80
22 cm



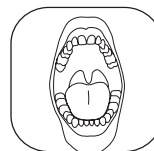
mm

11 x 40	48.593.40
11 x 55	48.593.55
11 x 80	48.593.80



10 x 42 mm

OBWEGESER
48.595.22
22 cm



11 x 70 mm

OBWEGESER
48.597.22
 22 cm



OBWEGESER
48.601.16
 15.5 cm



48.602.11
 11 x 15 x 70 mm

48.602.12
 12 x 22 x 70 mm

OBWEGESER
48.602.11 - 48.602.12
 22 cm



OBWEGESER
48.603.08
 17 cm, 8 mm
48.603.10
 17 cm, 10 mm



48.605.25
 7 x 25 mm

48.605.35
 10 x 35 mm

48.605.42
 10 x 42 mm

48.605.55
 12 x 55 mm

48.605.70
 14 x 70 mm

48.605.80
 16 x 80 mm

OBWEGESER
48.605.25 - 48.605.80
 22 cm





mm

7 x 25	48.607.25
10 x 35	48.607.35
10 x 42	48.607.42
12 x 55	48.607.55
14 x 70	48.607.70
16 x 80	48.607.80

OBWEGESER

48.607.25 - 48.607.80
20 cm



48.608.06
6 mm



48.608.07
7 mm



48.608.09
9 mm



48.608.11
11 mm



OBWEGESER

48.608.06 - 48.608.11
17.5 cm



48.609.06
6 mm



48.609.07
7 mm



48.609.09
9 mm



48.609.11
11 mm



OBWEGESER

48.609.06 - 48.609.11
18 cm

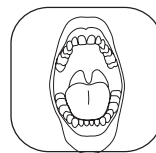


mm

6	48.610.06
7	48.610.07
9	48.610.09
11	48.610.11

OBWEGESER

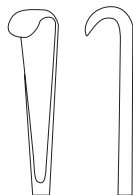
48.610.06 - 48.610.11
17.5 cm



48.611.05
5 mm



48.611.07
7 mm



48.611.09
9 mm

OBWEGESER
48.611.05 - 48.611.09
20 cm



OBWEGESER
48.612.01
17.5 cm



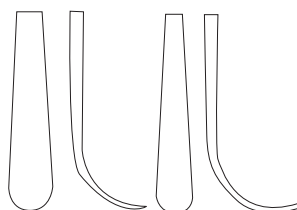
OBWEGESER
48.612.02
17.5 cm



48.614.21



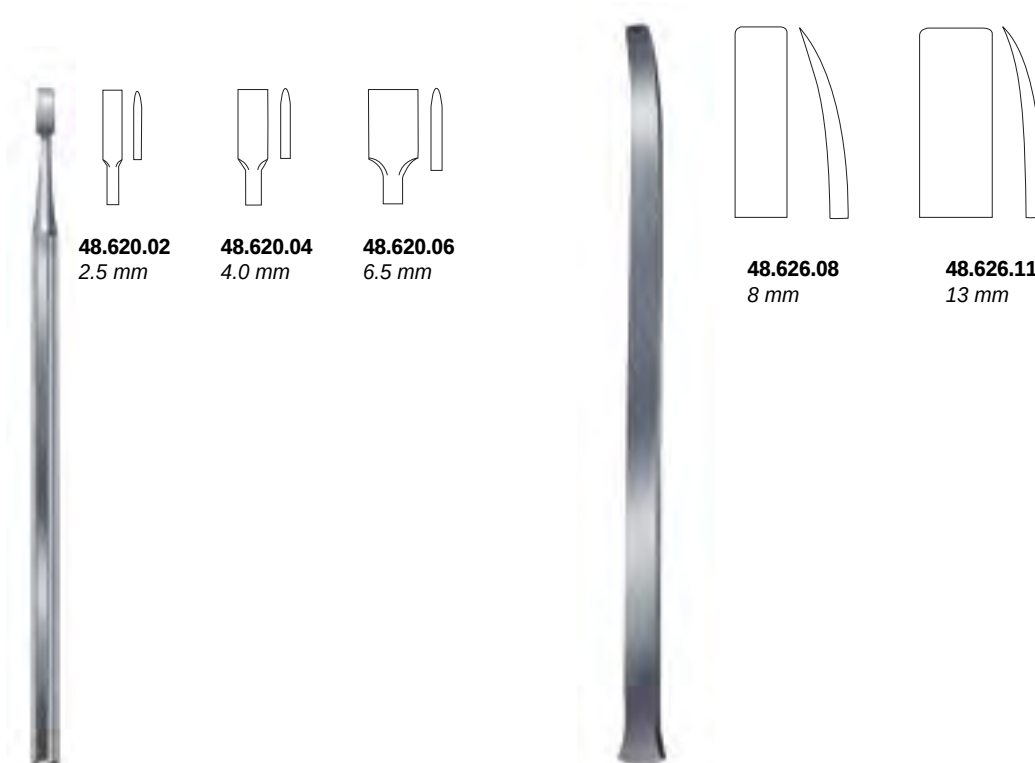
48.616.21



OBWEGESER
48.614.21 - 48.616.21
21 cm



OBWEGESER FREER
48.619.20
21 cm, sharp
48.619.21
21 cm, blunt



48.620.02
2.5 mm

48.620.04
4.0 mm

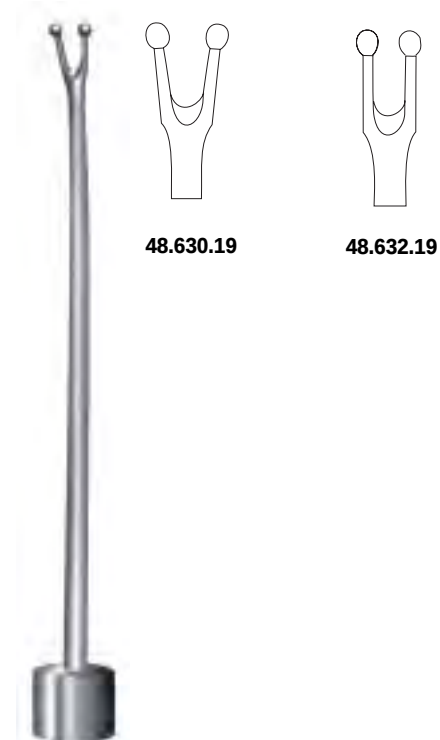
48.620.06
6.5 mm

48.626.08
8 mm

48.626.11
13 mm

OBWEGESER
48.620.02 - 48.620.06
15 cm

OBWEGESER
48.626.08 - 48.626.11
23.5 cm



48.630.19

48.632.19

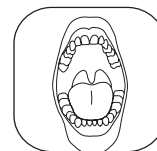
OBWEGESER
48.630.19 - 48.632.19
18.5 cm



KELSEY FRY
48.636.15
15 cm



KELSEY FRY
48.637.18
18 cm



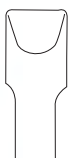
OBWEGESER
48.647.13
 13 cm



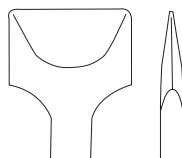
OBWEGESER
48.650.15
 15.5 cm



48.680.08
 8 mm



48.680.12
 12 mm



48.680.16
 16 mm

OBWEGESER
48.680.08 - 48.680.16
 22 cm



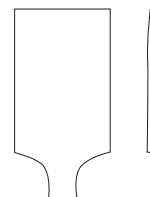
48.682.08
 8 mm



48.682.12
 12 mm

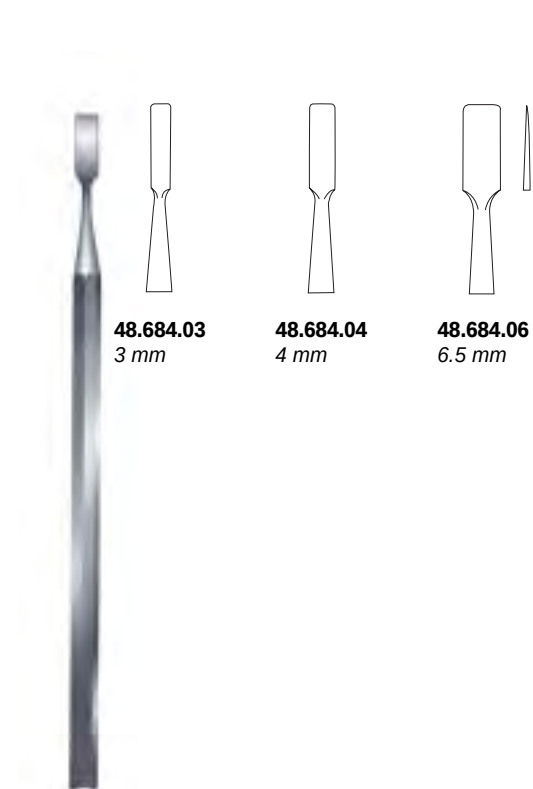


48.682.16
 16 mm



48.682.20
 20 mm

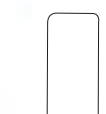
OBWEGESER
48.682.08 - 48.682.20
 22 cm



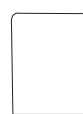
48.684.03
3 mm

48.684.04
4 mm

48.684.06
6.5 mm



48.754.10
10 mm



48.754.15
15 mm



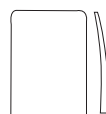
48.754.20
20 mm



48.754.30
30 mm



48.755.10
10 mm



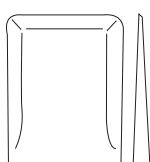
48.755.15
15 mm

OBWEGESER
48.684.03 - 48.684.06
15.5 cm

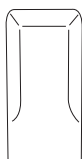
TESSIER
48.754.10 - 48.755.15
20 cm



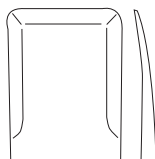
48.756.10
10 mm



48.756.15
15 mm

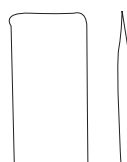


48.757.10
10 mm

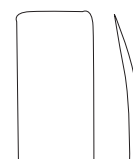


48.757.15
15 mm

TESSIER
48.756.10 - 48.757.15
16 cm



48.758.10

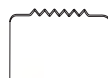
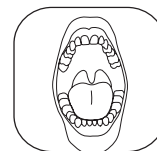


48.759.10

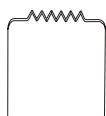
TESSIER
48.758.10 - 48.759.10
16 cm, 10 mm



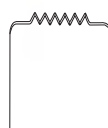
TESSIER
48.760.18
18.5 cm



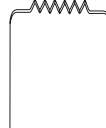
48.770.36
 36 x 50 mm



48.770.52
 52 x 50 mm



48.770.59
 59 x 50 mm



48.770.66
 66 x 50 mm

TESSIER
48.770.00
 set of 4

TESSIER
48.770.36 - 48.770.66



48.773.01



48.773.02



48.773.03

TESSIER
48.773.00
 set of 3

TESSIER
48.773.01 - 48.773.03
 21 cm



TESSIER
48.775.30
 18 cm / 30°



TESSIER
48.775.60
 18 cm / 60°



48.777.12
 12 mm



48.777.16
 16 mm

TESSIER
48.777.12 - 48.777.16
 20 cm





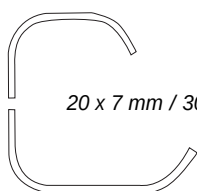
TESSIER
48.781.00
set of 3



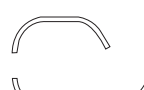
TESSIER
48.781.10
22 cm, 10 x 12 mm

TESSIER
48.781.15
22cm, 15 x 17 mm

TESSIER
48.781.20
22 cm, 20 x 22 mm



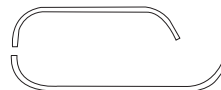
20 x 7 mm / 30 x 10 mm



48.785.01
20 x 12 mm / 30 x 16 mm



48.785.02
30 x 12 mm / 35 x 16 mm

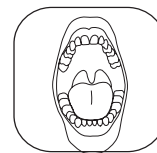


48.785.03
35 x 12 mm / 45 x 16 mm

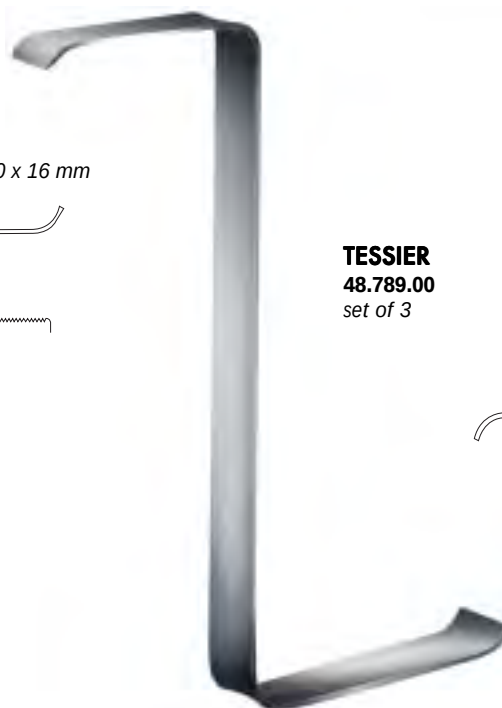
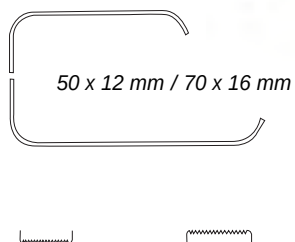


TESSIER
48.783.01
15 cm

TESSIER
48.785.01 - 48.785.03
15.5 cm

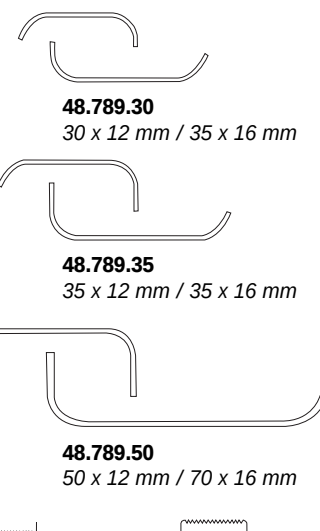


TESSIER
48.787.50
 15.5 cm

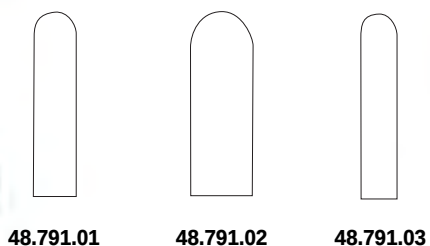


TESSIER
48.789.30 - 48.789.50
 17 cm

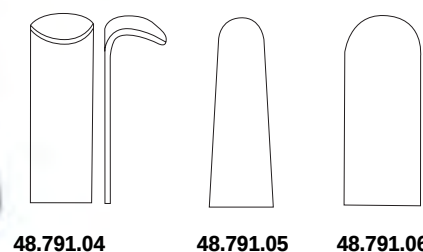
TESSIER
48.789.00
 set of 3



TESSIER
48.791.00
 set of 6



TESSIER
48.791.01 - 48.791.03
 12.5 cm



TESSIER
48.791.04 - 48.791.06
 12.5 cm



TESSIER
48.795.00
set of 3




48.795.10
10 mm


48.795.17
17.5 mm


48.795.20
20 mm

TESSIER
48.795.10 - 48.795.20
15 cm



TESSIER
48.796.18
15.5 cm



TESSIER
48.797.18
19 cm



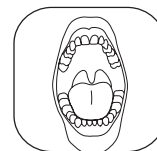
TESSIER
48.799.22
22 mm



TESSIER
48.802.18
18 cm



MARCHAC
48.804.17
17 cm



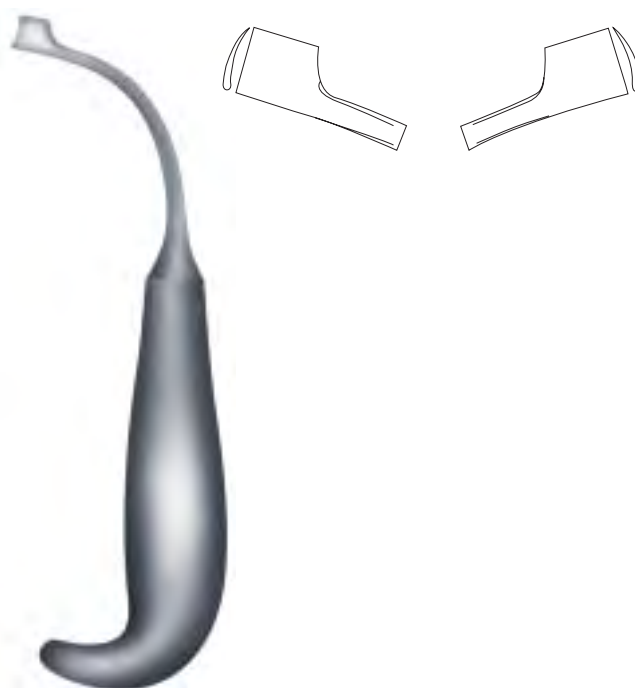
TESSIER
48.805.18
 18.5 cm



HARGIS
48.823.18
 18 cm



HARGIS
48.825.19
 19 cm



SMITH
48.835.01
 left



SMITH
48.835.02
 right



SMITH
48.838.20



TESSIER
48.990.26
26 cm



BAUER
48.871.20
right



BAUER
48.873.20
left



LEVASSEUR MERRIL
48.891.00

Tonsils
Amígdalas
Tonsillen



Stainless Steel
inoxidable

Datum / fecha	Name / nombre	Plan / plano
July '98	cvd / jvd	Maastrab / escala 1 : 1
July '98	cvd	Abt. / acot. mm
June '99	mj	Artikel / artículo
		Artikel-Nr. / No. de artículo


DEWIMED®

575





mm

18	50.103.18
20	50.103.20
22	50.103.22

LOVE
50.103.18 - 50.103.22



HOFER
50.109.24
24 cm



NAGER
50.111.23
23 cm



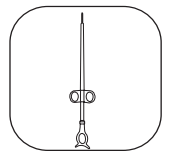
HASLINGER
50.112.00
17 cm



HURD
50.131.22 - 50.133.22
22 cm



HENKE
50.135.23
23 cm



CARPENTER
50.139.25
25 cm



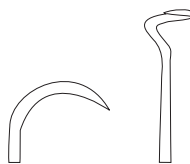
CARPENTER
50.143.24
24 cm



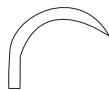
LUNIATSCHEK
50.151.19
19 cm



DUPUY WEISS
50.165.22 - 50.167.22
22 cm



50.165.22



50.167.22



SAWTELL
50.181.19

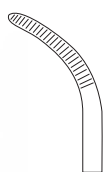
SCHNIDT
50.183.19

50.181.19 - 50.183.19
19 cm





50.185.19 - 50.187.19
19 cm



SAWTELL
50.185.19



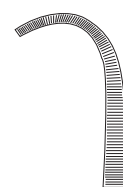
SCHNIDT
50.187.19



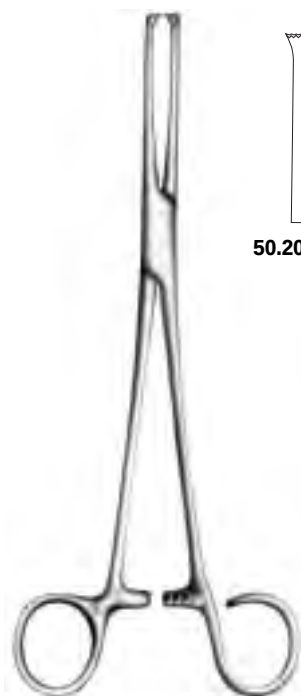
NEGUS
50.191.19 - 50.193.19
19 cm



50.191.19



50.193.19



COLVER
50.202.19 - 50.203.19
19 cm



50.202.19



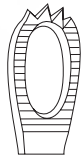
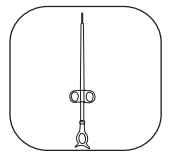
50.203.19



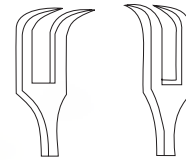
WHITE
50.205.18
18 cm
50.205.23
23 cm



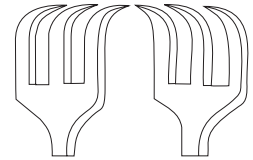
BALLENGER
50.207.21
21 cm



BLOHMKE
50.209.20
21 cm



TYDING
50.211.21

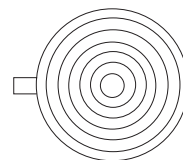


TIVNEN
50.213.21

50.211.21 - 50.213.21
21 cm



MARSCHIK
50.219.22
22 cm



CORWIN
50.231.14
15 cm



EVES
50.250.28
28 cm



EVES
50.252.28
28 cm



BRUENINGS
50.256.28
28 cm



mm

40	50.257.40
50	50.257.50

50.257.40 - 50.257.50
100 pieces



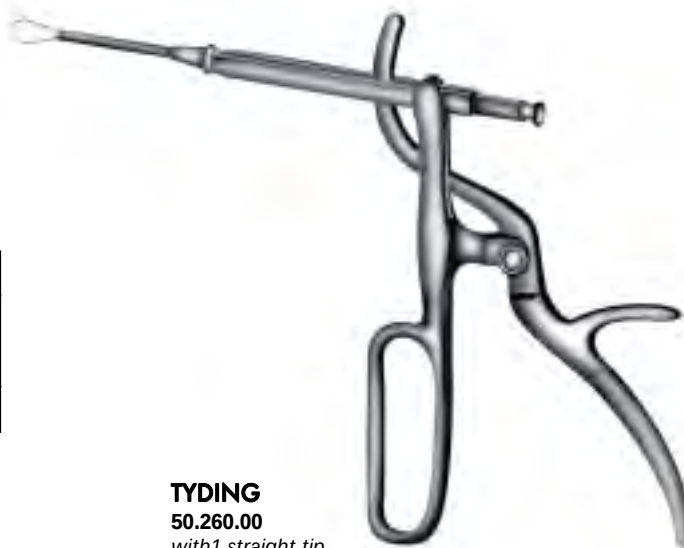
50.259.03
0.3 mm
12 pieces each



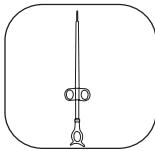
mm

0.35	50.259.35
0.4	50.259.40
0.45	50.259.45
0.5	50.259.50

50.259.35 - 50.259.50
100 pieces



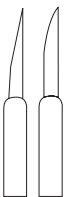
TYDING
50.260.00
with 1 straight tip



SLUDER BALLENGER
50.270.00
3 blades



LANDOLT
50.857.25
25 cm



LANDOLT
50.858.21
21 cm

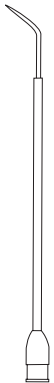


50.290.02 - 50.290.20

ml	
2	50.290.02
5	50.290.05
10	50.290.10
20	50.290.20



50.293.90
90°



50.293.45
45°



50.292.00

50.292.00 - 50.293.90
0.8 mm





**John Singer Sargent
1905**

**Members of the First Clinical
Faculty of Johns Hopkins,
Baltimore, Maryland.**

*(left to right) William Osler,
Howard Attwood Kelly, William
Steward Halsted, and William
Henry Welch.*

**Miembros de la Primera
Facultad Clínica del Johns
Hopkins, Baltimore, Maryland.**

*(de izquierda a derecha)
William Osler, Howard
Attwood Kelly, William
Steward Halsted y William
Henry Welch*

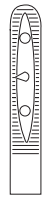
**Mitglieder der ersten Klinik-
Fakultät in Johns Hopkins,
Baltimore, Maryland.**

*(von links nach rechts) William
Osler, Howard Attwood Kelly,
William Steward Halsted und
William Henry Welch*





52.101.22



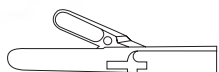
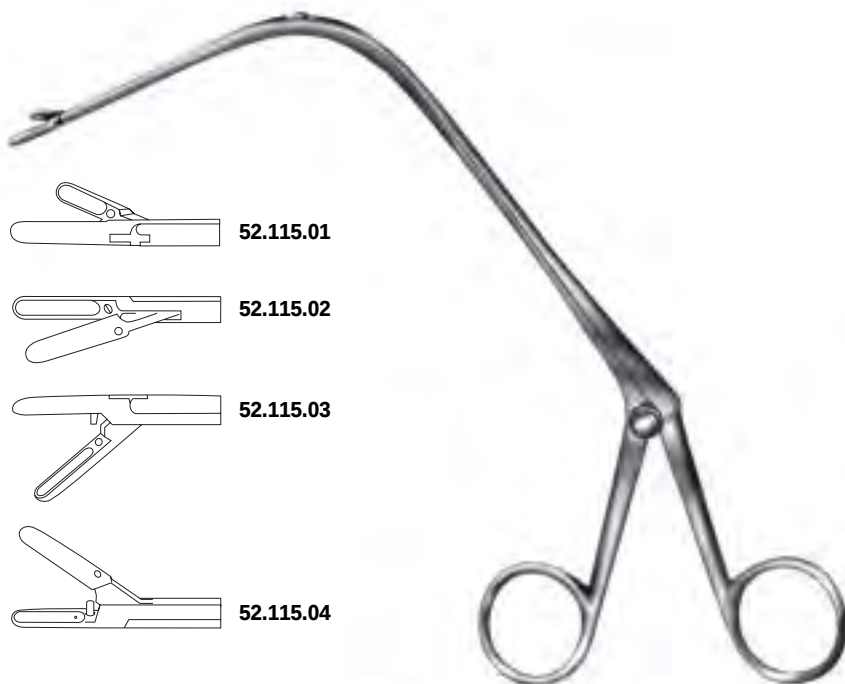
52.103.22



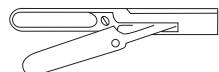
JACKSON
52.101.22 - 52.103.22
22 cm



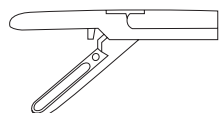
FRAENKEL
52.111.18
18 cm



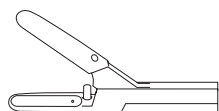
52.115.01



52.115.02



52.115.03



52.115.04

JURASZ
52.115.01 - 52.115.04
23 cm



REICHERT
52.121.24
24 cm



52.123.00
only
2.5 mm

HUBER
52.130.00

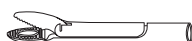


BRUENINGS
52.131.20
20 cm

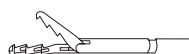


BRUENINGS
52.132.20 - 52.132.60

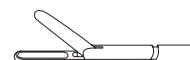
20	52.132.20
30	52.132.30
40	52.132.40
50	52.132.50
60	52.132.60



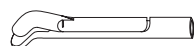
FRAENKEL
52.150.00



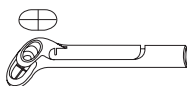
SEIFERRT
52.152.00



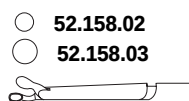
FRAENKEL
52.154.00



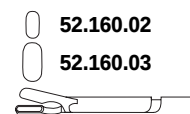
SCHEINMANN
52.155.00



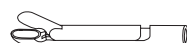
SCHEINMANN
52.157.00



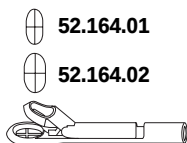
BRUENINGS
52.158.02 - 52.158.03



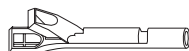
BRUENINGS
52.160.02 - 52.160.03



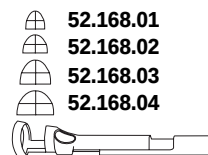
LANGE
52.162.00



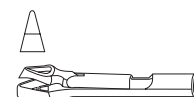
KRAUSE
52.164.01 - 52.164.02



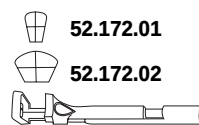
KRAUSE
52.166.00



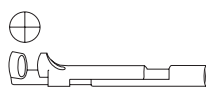
CORDES
52.168.01 - 52.168.04



SCHUMACHER
52.170.00



CORDES
52.172.01 - 52.172.02



CORDES
52.174.00

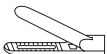
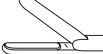


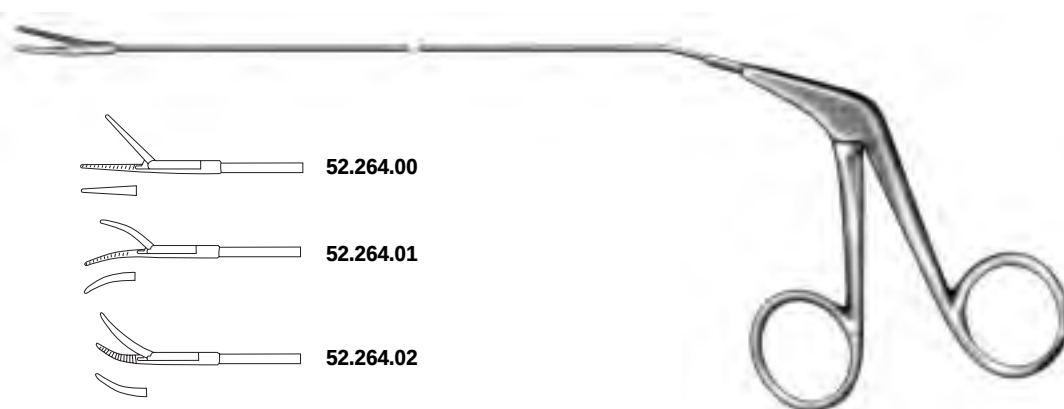
ROSENBERG
52.176.00

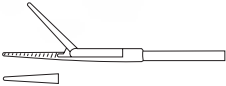
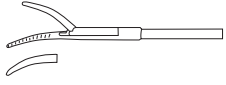
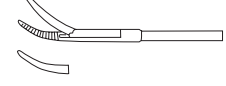
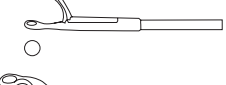
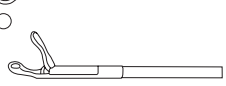
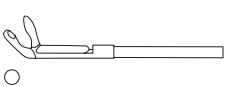
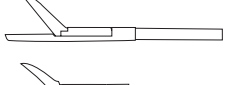
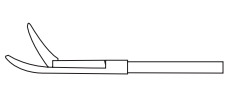
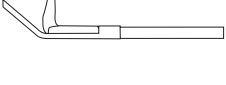




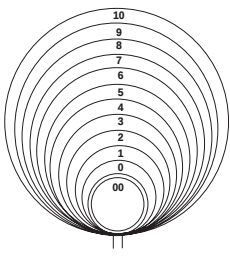
CHEVALIER JACKSON
52.230.01 - 52.260.07

cm							
30	52.230.01	52.230.02	52.230.03	52.230.04	52.230.05	52.230.06	52.230.07
40	52.240.01	52.240.02	52.240.03	52.240.04	52.240.05	52.240.06	52.240.07
50	52.250.01	52.250.02	52.250.03	52.250.04	52.250.05	52.250.06	52.250.07
60	52.260.01	52.260.02	52.260.03	52.260.04	52.260.05	52.260.06	52.260.07



-  52.264.00
-  52.264.01
-  52.264.02
-  52.264.04
-  52.264.05
-  52.264.06
-  52.264.07
-  52.264.10
-  52.264.11
-  52.264.12
- 52.264.13

52.264.00 - 52.264.13
24 cm

mm

52.270.08	0 / 8	52.272.08
52.270.10	0 / 10	52.272.10
52.270.12	1 / 12	52.272.12
52.270.14	2 / 14	52.272.14
52.270.16	3 / 16	52.272.16
52.270.18	4 / 18	52.272.18
52.270.20	5 / 20	52.272.20
52.270.22	6 / 22	52.272.22
52.270.24	7 / 24	52.272.24
52.270.26	8 / 26	52.272.26
52.270.28	9 / 28	52.272.28
52.270.30	10 / 30	52.272.30

52.270.08 - 52.270.30

52.272.08 - 52.272.30





IGNAZ PHILIPP SEMMELWEIS

En 1847 descubre por primera vez que la causa de infecciones en heridas también es a causa de la falta de higiene de las manos de los médicos.

En sus servicios en el Hospital General de Viena, observó Semmelweis, que el departamento de partos era un nido de infección puerperal.

Encontró que la razón para tal acontecimiento era, que los estudiantes de medicina pasaban de la sala de disecciones a la sala de partos sin lavarse las manos y participaban en exámenes vaginales así como asistencia en partos.

A través del contacto directo contraían infección las pacientes.

Fue así que Semmelweis obligó a todo médico que antes de entrar a la sala de maternidad se lavase las manos con hipoclorito.

El índice de mortalidad bajó notoriamente.

Sin embargo sus descubrimientos no fueron tomados en serio hasta años más tarde.



In 1847 he discovers for the first time that the reason for wound infection is due to the unwashed hands of the doctors.

During his services in the General Hospital of Vienna he found out that the child-birth department was a center of puerperal infections. And that the reason for it was because of the medicine students who came directly from the dissection ward to the child-birth ward without washing their hands. They participated in vaginal examinations and in child-birth assistance.

Through direct contact the patients contracted infection.

Semmelweis obliged each doctor to wash his hands with hypochlorite before entering the natal clinic.

The mortality index came down plainly.

His discovery would be taken seriously years after.

Im Jahre 1847 erkannte er zum ersten Male in den unsauberen Händen der Ärzte eine der Ursachen für Wundinfektionen.

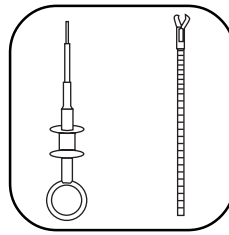
Bei seinem Dienst im Wiener Allgemeinen Krankenhaus stellte er fest, daß die Gebärbteilung eine ausgesprochene Brutstätte des Kinderbettfieber war.

Der Grund hierfür waren die Medizinstudenten, die vom Sektionssaal mit ungewaschenen Händen in die Gebärbteilung gingen, dort an vaginalen Untersuchungen teilnahmen und zum Teil bei Geburten Assistenz leisteten.

Durch den Direktkontakt erkrankten viele der werdenden Mütter.

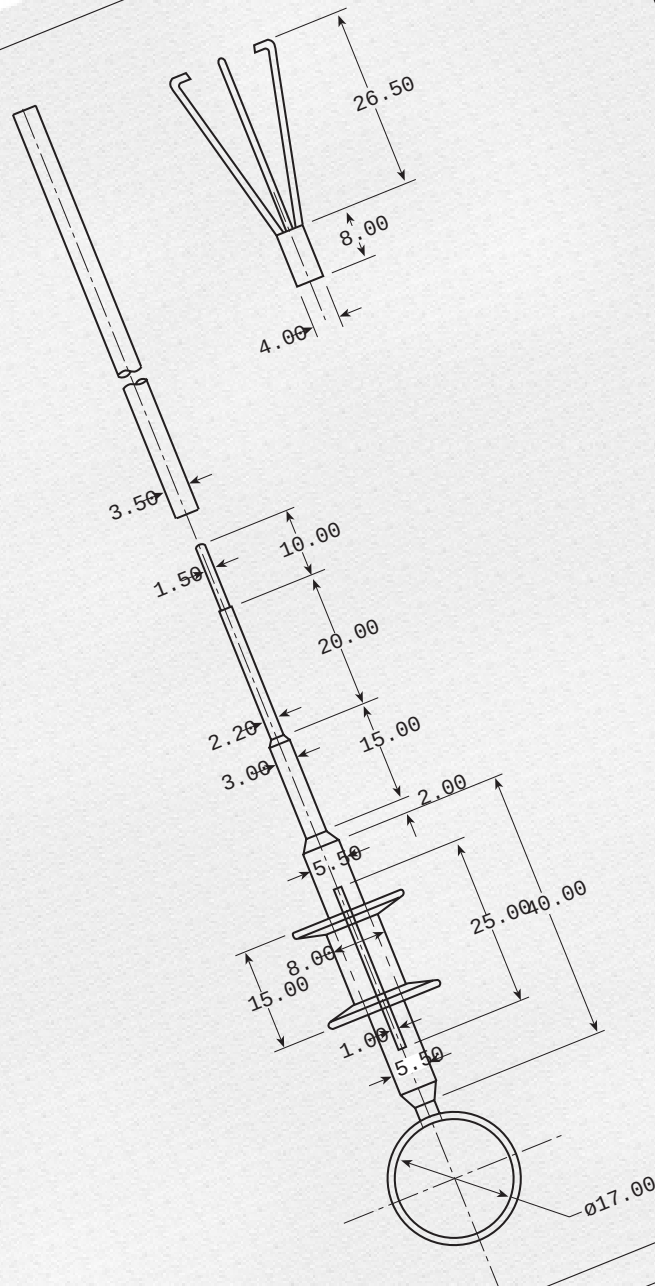
Semmelweis führte aufgrund dessen das Waschen der Hände mit Chlorwasser vor Eintritt in die Geburtsklinik ein, worauf die Sterberate bedeutend sank.

Seine Erkenntnis wurde Anfangs belächelt und erst Jahre später anerkannt.

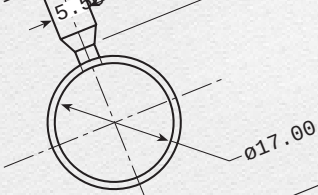


53

Flexible Endoscopic Forceps
Pinzas Flexibles Endoscópicas
Flexible Endoskopische Faßzangen



GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
F		gezeichnet / dibujado	July '98	cvd/jvd	1
		geprüft / verificado	July '98	cvd	Maasstab / escala 1:1
		Toleranz / tolerancia	June '99	mj	Abt. / acot. mm
					Artikel / artículo
Stainless Steel		 DEWIMED®			
Acero inoxidable					
		Artikel-Nr. / No. de artículo			



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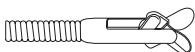
ø / cm

0.18 /16.0	53.110.16
0.18/23.0	53.110.23
0.18/16.0	53.110.26
0.18/23.0	53.110.33
0.18 /16.0	53.112.16
0.18/23.0	53.112.23
0.18/16.0	53.112.26
0.18/23.0	53.112.33



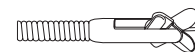
ø / cm

0.18 /16.0	53.111.16
0.18/23.0	53.111.23
0.18/16.0	53.111.26
0.18/23.0	53.111.33
0.18 /16.0	53.113.16
0.18/23.0	53.113.23
0.18/16.0	53.113.26
0.18/23.0	53.113.33



ø / cm

0.22 /16.0	53.120.16
0.22/23.0	53.120.23
0.22/16.0	53.120.26
0.22/23.0	53.120.33
0.22 /16.0	53.122.16
0.22/23.0	53.122.23
0.22/16.0	53.122.26
0.22/23.0	53.122.33

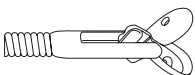


ø / cm

0.22 /16.0	53.121.16
0.22/23.0	53.121.23
0.22/16.0	53.121.26
0.22/23.0	53.121.33
0.22 /16.0	53.123.16
0.22/23.0	53.123.23
0.22/16.0	53.123.26
0.22/23.0	53.123.33

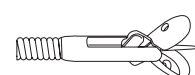


53.110.16 - 53.143.23



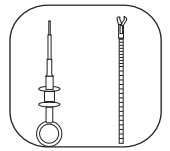
ø / cm

0.26/16.0	53.130.16
0.26/23.0	53.130.23
0.34/16.0	53.140.16
0.34/23.0	53.140.23
0.34/16.0	53.142.16
0.34/23.0	53.142.23



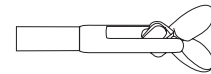
ø / cm

0.26/16.0	53.131.16
0.26/23.0	53.131.23
0.34/16.0	53.141.16
0.34/23.0	53.141.23
0.34/16.0	53.143.16
0.34/23.0	53.143.23



$\varnothing$ / cm

0.18/16.0	53.212.16
0.18/23.0	53.212.23

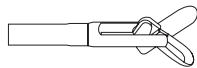


$\varnothing$ / cm

0.22/16.0	53.222.16
0.22/23.0	53.222.23

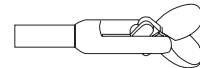


53.212.16 - 53.242.23



$\varnothing$ / cm

0.26/16.0	53.232.16
0.26/23.0	53.232.23

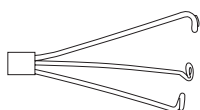


$\varnothing$ / cm

0.34/16.0	53.242.16
0.34/23.0	53.242.23



53.291.16 - 53.292.23



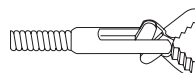
$\varnothing$ / cm	
0.22 / 16.0	53.291.16
0.22 / 23.0	53.291.23



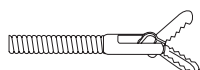
$\varnothing$ / cm	
0.22 / 16.0	53.292.16
0.22 / 23.0	53.292.23



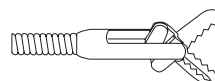
$\varnothing$ / cm	
0.18 / 16.0	53.301.16
0.18 / 23.0	53.301.23
0.18 / 16.0	53.301.26
0.18 / 23.0	53.301.33



$\varnothing$ / cm	
0.22 / 16.0	53.341.16
0.22 / 23.0	53.341.23



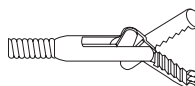
$\varnothing$ / cm	
0.18 / 16.0	53.302.16
0.18 / 23.0	53.302.23
0.18 / 16.0	53.302.26
0.18 / 23.0	53.302.33



$\varnothing$ / cm	
0.22 / 16.0	53.342.16
0.22 / 23.0	53.342.23



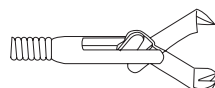
$\varnothing$ / cm	
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0.18 / 23.0	53.304.23



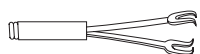
$\varnothing$ / cm	
0.22 / 16.0	53.343.16
0.22 / 23.0	53.343.23



$\varnothing$ / cm	
0.18 / 16.0	53.311.16
0.18 / 23.0	53.311.23



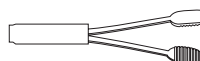
$\varnothing$ / cm	
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0.22 / 23.0	53.344.23



$\varnothing$ / cm	
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0.18 / 23.0	53.312.23



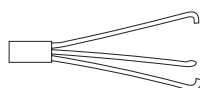
$\varnothing$ / cm	
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0.22 / 23.0	53.351.23



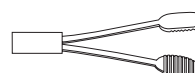
$\varnothing$ / cm	
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0.18 / 23.0	53.313.23



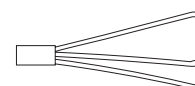
$\varnothing$ / cm	
0.22 / 16.0	53.352.16
0.22 / 23.0	53.352.23



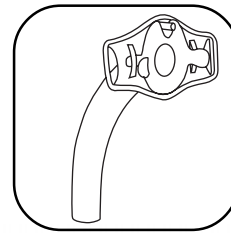
$\varnothing$ / cm	
0.18 / 16.0	53.314.16
0.18 / 23.0	53.314.23



$\varnothing$ / cm	
0.22 / 16.0	53.353.16
0.22 / 23.0	53.353.23

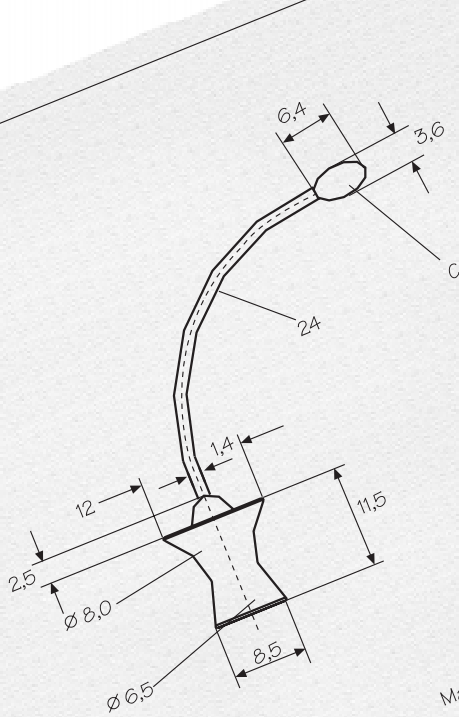


$\varnothing$ / cm	
0.22 / 16.0	53.354.16
0.22 / 23.0	53.354.23

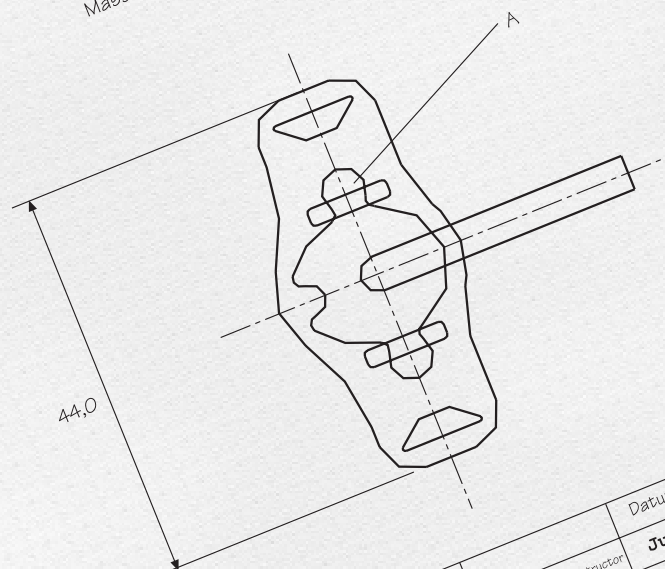
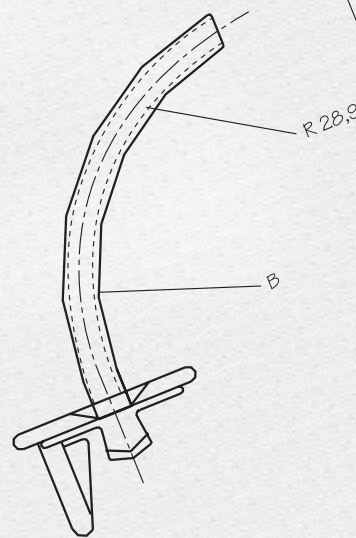


54

Tracheostomy
Traqueotomía
Tracheotomie



Masse in mm

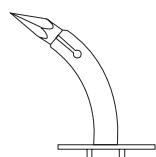


GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
F	Stainless Steel Acero inoxidable	gezeichnet / dibujado	July '98	cvd/jvd	1
		geprüft / verificado	July '98	cvd	Maasstab / escala 1:1
		Toleranz / tolerancia	June '99	mj	Abt. / acot. mm
				Artikel-Nr. / No. de artículo	

 **DEWIMED®**

593





54.101.75
ø 7.5 mm



54.101.90
ø 9 mm

UCKERMANN
54.101.75 - 54.101.90
13 cm



TROUSSEAU
54.111.14
14 cm



LABORDE
54.113.14
14 cm



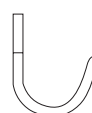
BOSE
54.115.07
7 cm



JACKSON
54.116.15
15cm



JACKSON
54.117.17
17 cm

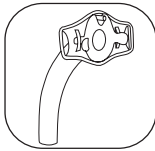


54.118.16



54.119.16

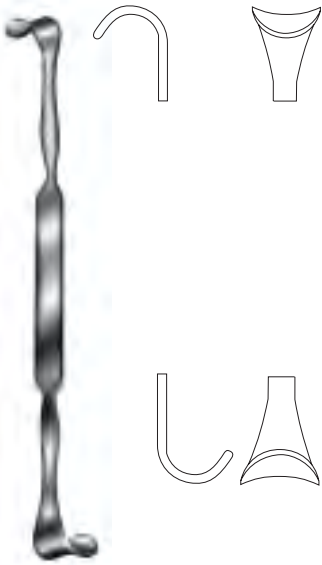
ITERSON
54.118.16 - 54.119.16
16 cm



BOSE
54.122.16
16 cm



BOSE
54.124.16
16 cm



ROSE
54.130.13
13 cm



TORRINGTON
54.141.05 - 54.141.10
26 cm

ø mm		
5	1.7	54.141.05
6	2.0	54.141.06
7	2.3	54.141.07
8	2.7	51.141.08
9	3.0	54.141.09
10	3.3	54.141.10



WAGENER MOSHER
54.151.05 - 54.151.09

mm	
5	54.151.05
7	54.151.07
9	54.151.09



54.200.03 - 54.200.13

ø mm for catheters		
3	14	54.200.03
4	16	54.200.04
5	18	54.200.05
6	20/22	54.200.06
7	24/26	54.200.07
8	28/30	54.200.08
9	32/34	54.200.09
10	36	54.200.10
11	38	54.200.11
12	40/42	54.200.12
13	44/46	54.200.13





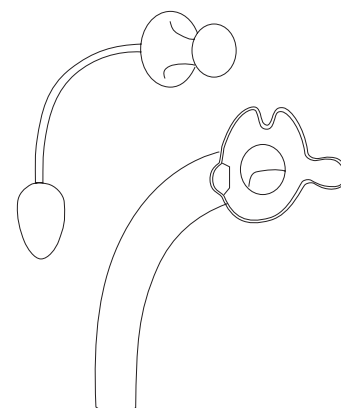
LUER
54.220.04 - 54.220.13

fig.	ø mm	
0	4	54.220.04
1	5	54.220.05
2	6	54.220.06
3	7	54.220.07
4	8	54.220.08
5	9	54.220.09
6	10	54.220.10
7	11	54.220.11
8	12	54.220.12
9	13	54.220.13



JACKSON
54.240.04 - 54.240.13

fig.	ø mm	
0	4	54.240.04
1	5	54.240.05
2	6	54.240.06
3	7	54.240.07
4	8	54.240.08
5	9	54.240.09
6	10	54.240.10
7	11	54.240.11
8	12	54.240.12
9	13	54.240.13



54.270.00
set



54.501.15



54.503.15

KOCHER
54.501.15 - 54.503.15
15 cm



KOCHER
54.503.16
15 cm



SCHOENBORN
54.511.21
15 cm



JOLL
54.512.15
15 cm



LAHEY
54.520.15
15 cm
54.520.20
20 cm



MASTIN
54.523.17
17 cm





THEODOR KOCHER

1841 - 1917

Was born in Berne, Switzerland, 1841. He finished his medical studies in 1865 and went into surgery where he had teachers like Demme, Lydec, Billroth y Langenbeck.

In 1872 he was appointed professor of surgery and head of the University Clinic in Berne. He held his position until retirement.

He was one of the first surgeons to apply the aseptic principles of Lister.

Kocher was scientifically active very early and published a large number of experimental and clinical works in various surgical fields.

His tremendous contributions to gastroenterological and orthopedic surgery and to neurology are worth mentioning.

Kocher received the Nobel Prize in 1909 for his work on the pathology, physiology and surgery of the thyroid gland.

Nació en Berne, Suiza en 1841. Finaliza sus estudios de medicina en 1865, e inicia la cirugía con los maestros Demme, Lydec, Billroth y Langenbeck.

En 1872 ya era profesor en cirugía y jefe de la clínica universitaria de Berne, puesto que ocupó hasta su jubilación.

Fue uno de los primeros en aplicar los principios de asepsia de Lister.

Kocher, desde muy joven científicamente activo, publicó varios trabajos experimentales y clínicos en diversos campos quirúrgicos.

Cabe mencionar sus grandes contribuciones a la Cirugía gastroenterológica y ortopédica así como a la Neurología.

En 1909 obtiene Kocher el Premio Nobel por su trabajo de investigación de la patología, fisiología y cirugía de la glándula tiroide.

Wurde 1841 in Bern, Schweiz geboren.

Sein Medizinstudium beendete er 1865 und ging in die Chirurgie unter der Führung von Demme, Lycke, Billroth und Langenbeck.

1872 war er bereits Professor der Chirurgie und Chef der Universitätsklinik Bern, wo er bis zu seiner Pensionierung blieb.

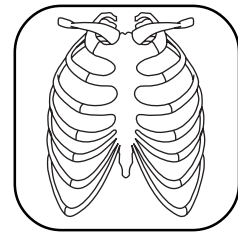
Er gehörte zu den ersten Anwendern der Grundsätze Listers über die Asepsie.

Schon sehr früh war Kocher wissenschaftlich aktiv und veröffentlichte laufend experimentelle und wissenschaftliche Erkenntnisse.

Besonders hervorzuheben sind seine Arbeiten im Bereich Gastroenterologie, Orthopädie und Neurologie.

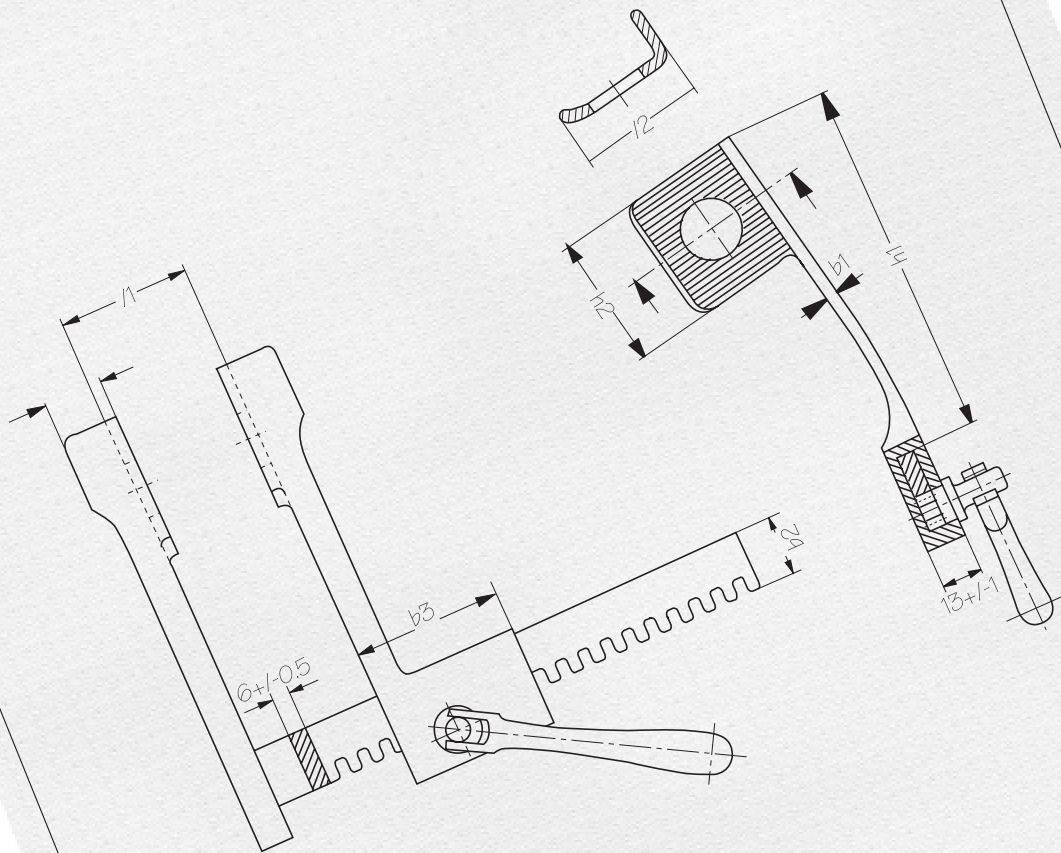
1909 erhielt Kocher den Nobelpreis für seine Forschungsarbeit über die Pathologie, Physiologie und Chirurgie der Schilddrüse.





56

Thorax
Tórax
Thorax



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
		July '98	cva/jvd	1
		July '98	cvd	Maestab / escala 1:1
		June '99	mj	Abt. / acot. mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo
F				
	Stainless Steel inoxidable	Konstrukteur / constructor gezeichnet / dibujado geprüft / verificado Toleranz / tolerancia		





56.102.23
23 cm



56.105.22
22 cm



GLUCK
56.107.22
22 cm



STILLE
56.111.21
21 cm

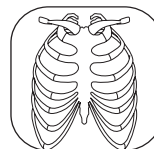


CORYLLOS
56.123.35 - 56.125.35



BETHUNE
56.126.34
34 cm

cm	left	right
35	56.123.35	56.125.35



SAUERBRUCH
56.131.26
26 cm



GIERTZ STILLE
56.137.27
27 cm



SAUERBRUCH FREY
56.141.36
36 cm



BRUNNER
56.147.28
28 cm



SCHUMACHER
56.148.21
21 cm





FINOCHIETTO
56.210.16 - 56.210.25

spread cm depth mm width mm

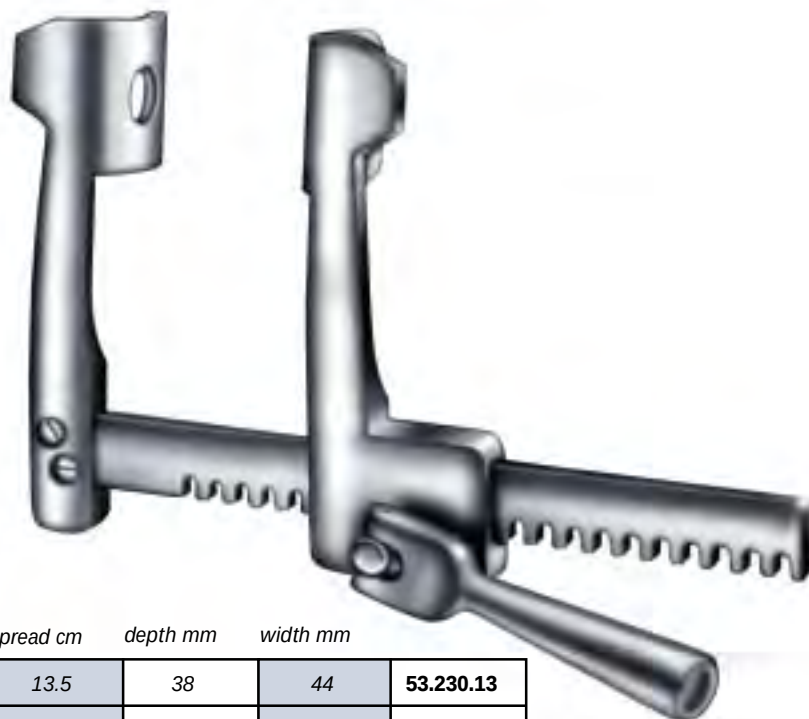
16.5	40	40	56.210.16
20.0	45	55	56.210.20
25.0	70	65	56.210.25



spread cm depth mm width mm

7.5	18	20	56.214.75
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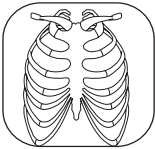
FINOCHIETTO baby
56.214.75



spread cm depth mm width mm

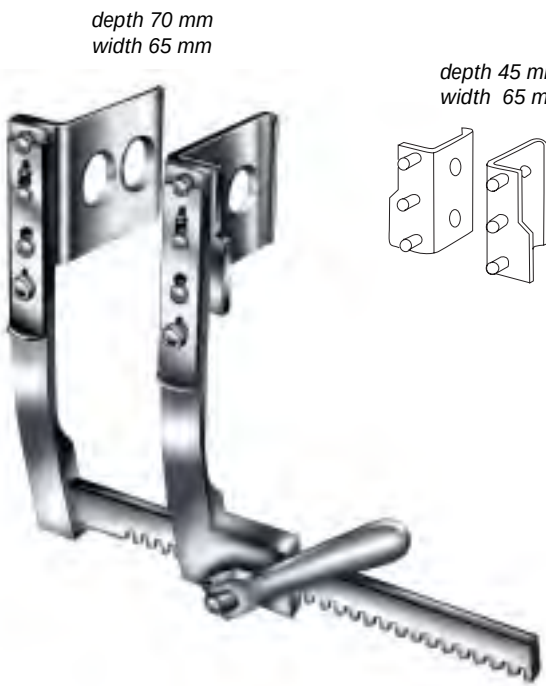
13.5	38	44	53.230.13
17.5	52	62	53.230.17
17.5	85	65	53.230.18

FINOCHIETTO
53.230.13 - 53.230.18
aluminium

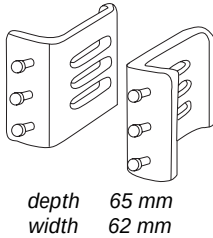
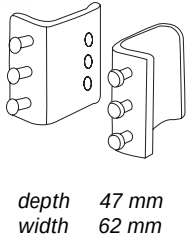


spread cm	depth mm	width mm	
7.5	15	15	56.234.75

FINOCHIETTO infant
56.234.75
aluminium



FINOCHIETTO BURFORD
56.236.25
25 cm



spread cm	
18	56.242.18
26	56.242.26
30	56.242.30

FINOCHIETTO BURFORD
56.242.18 - 56.242.30
aluminium





FINOCHIETTO BURFORD
56.244.13
 13.5 cm
 aluminium

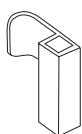


CASTAÑEDA
56.250.05 - 56.250.12
 aluminium

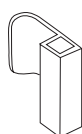
spread cm	depth mm	width mm	
6.5	105	32	56.242.18
7.0	120	45	56.242.26
12	150	60	56.242.30



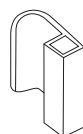
STRUCK
56.258.00 - 56.258.15



56.258.11
 1 x 1 cm



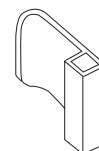
56.258.12
 1 x 1.5 cm



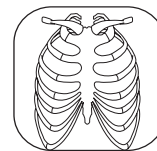
56.258.13
 1 x 2 cm



56.258.14
 1.5 x 2 cm



56.258.15
 2 x 2 cm



HAIGHT
56.260.09

<i>Spread cm</i>	<i>depth mm</i>	<i>width mm</i>
9	30	30



TUFFIER
56.264.16

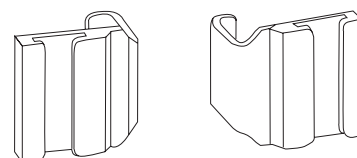
<i>Spread cm</i>	<i>depth mm</i>	<i>width mm</i>
16.5	50	45





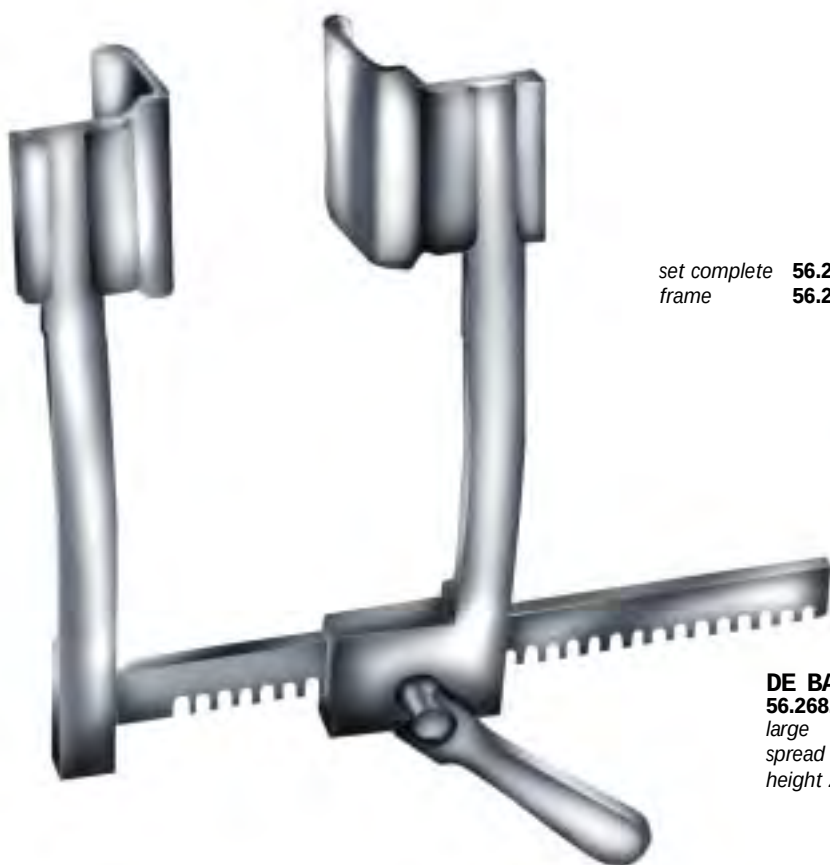
set complete **56.266.00**
frame **56.266.22**

DE BAKEY
56.266.00 - 56.266.66
large 22 cm
spread 15 cm
height 18 cm



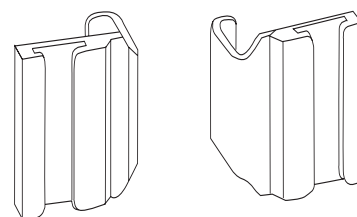
cm

3.0 x 3.0	blade	56.266.30
4.0 x 4.0	blade	56.266.40
5.0 x 5.0	blade	56.266.50
5.0 x 6.6	blade	56.266.66



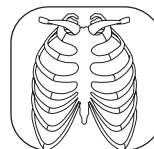
set complete **56.268.00**
frame **56.268.22**

DE BAKEY
56.268.00
large 28.0 cm
spread 20.0 cm
height 22.5 cm



cm

4.0 x 10.0	blade	56.268.40
5.0 x 8.0	blade	56.268.50
6.0 x 6.0	blade	56.268.60
8.0 x 6.0	blade	56.268.80

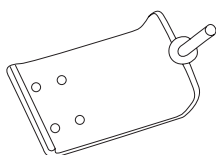
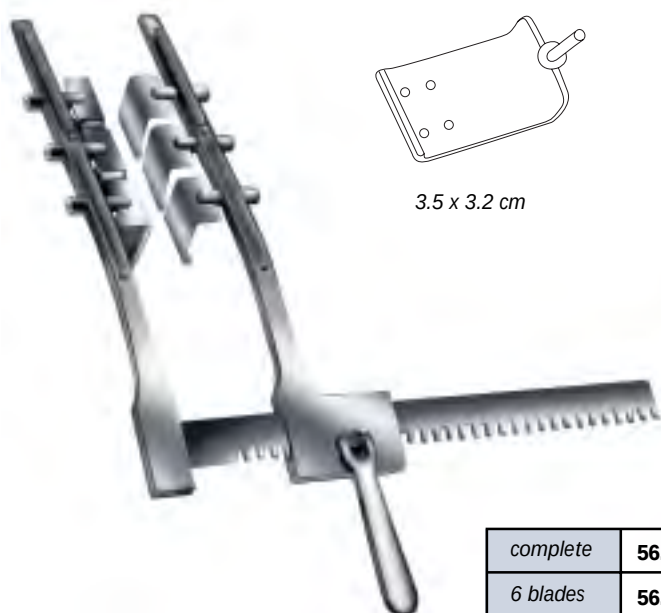


MERCEDES
56.270.00
complete



MORSE
56.272.15 - 56.272.20

cm	
15	56.272.15
20	56.272.20



3.5 x 3.2 cm

complete	56.274.00
6 blades	56.274.01

ANKENEY
56.274.00 - 56.274.01



ANKENEY
56.276.00
children





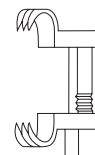
56.280.19
19 cm



BAILEY baby
56.282.14
14 cm



BAILEY
56.284.16 - 56.286.16
16 cm



BAILEY GIBBON
56.286.16



cm	
14	56.288.14
18	56.288.18

LEMMON
56.288.14 - 56.288.18

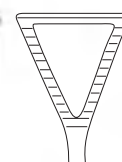


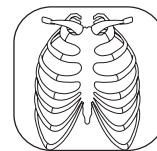
cm	
30	56.289.30
32	56.289.32

ALLISON
56.289.30 - 56.289.32



LOVELACE
56.290.20
20 cm





LOVELACE
56.291.20
20 cm



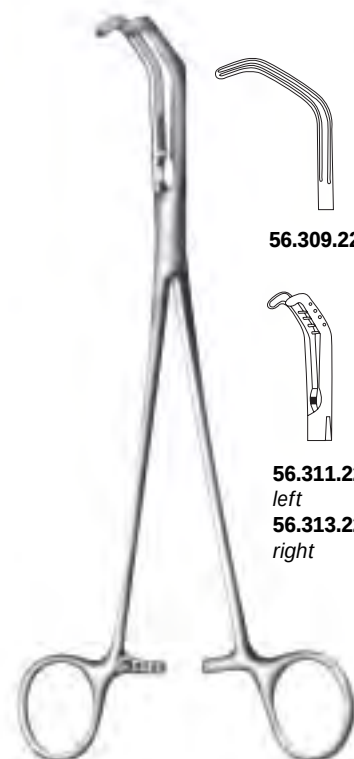
HARRINGTON
56.301.30 - 56.303.29

cm

30.5	56.301.30
29.5	56.303.29



FINOCHIETTO
56.307.24
24 cm



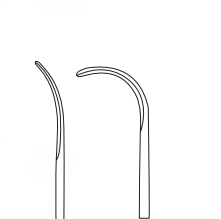
PRICE THOMAS
56.309.22 - 56.313.22
22 cm



SAROT
56.317.23 - 56.319.23
23 cm



56.319.23
right



56.321.23 56.321.23

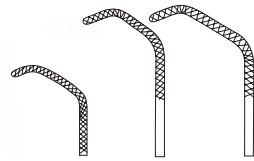


SEMB
56.321.23 - 56.323.23
23 cm



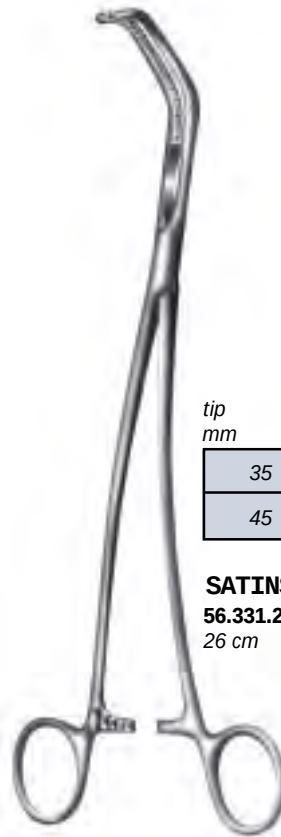


SATINSKY
56.325.15 - 56.329.26



56.325.15 56.327.26 56.329.26

cm	
15	56.325.15
26	56.327.26
26	56.329.26



tip
mm

35	56.331.26
45	56.333.26

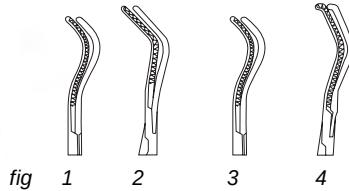
SATINSKY
56.331.26 - 56.333.26
26 cm



DERRA
56.335.24
24 cm



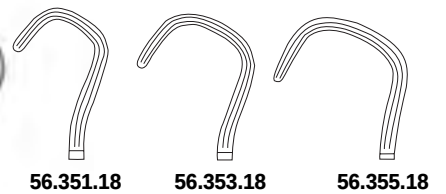
HARKEN
56.343.24 - 56.349.24
24 cm



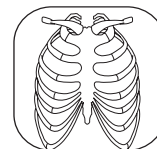
curved	56.343.24
curved	56.345.24
curved	56.347.24
straight	56.349.24



DERRA
56.351.18 - 56.355.18
18 cm



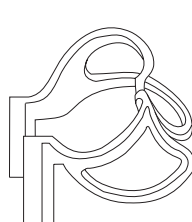
small	56.351.18
median	56.353.18
large	56.355.18



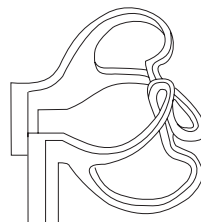
56.360.19



56.360.25



56.360.32



mm

19 x 19	56.360.19
25 x 25	56.360.25
32 x 32	56.360.32

JOHNS HOPKINS
56.360.19 - 56.36.32
20 cm



mm

4	56.380.04
5	56.380.05

KARP
56.380.04 - 56.380.05



56.412.00

mm

4.0	56.414.04
7.5	56.414.07
10.0	56.414.10
12.0	56.414.12

BLOCK
56.410.00
handle



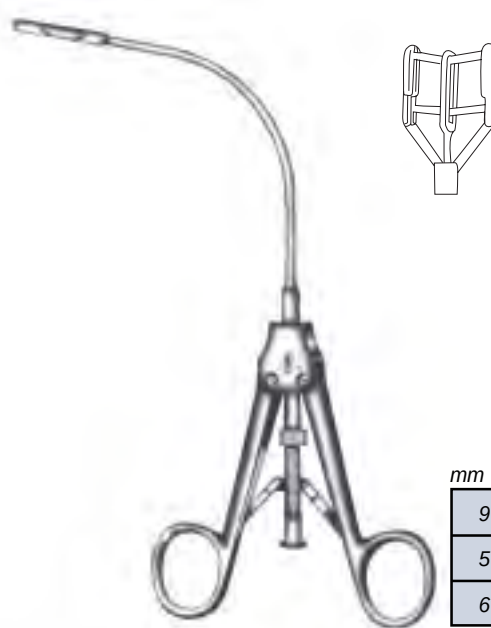
TUBBS
56.418.42 - 56.418.45
blade opening 8 - 42 mm
18 cm





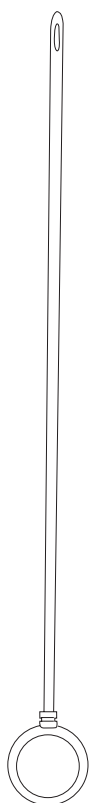
children	56.420.15
adult	56.420.45

COOLEY
56.420.15 - 56.420.45



mm	
9 - 40	56.423.40
5 - 18	56.425.18
6 - 20	56.425.20

COOLEY
56.423.40 - 56.425.20



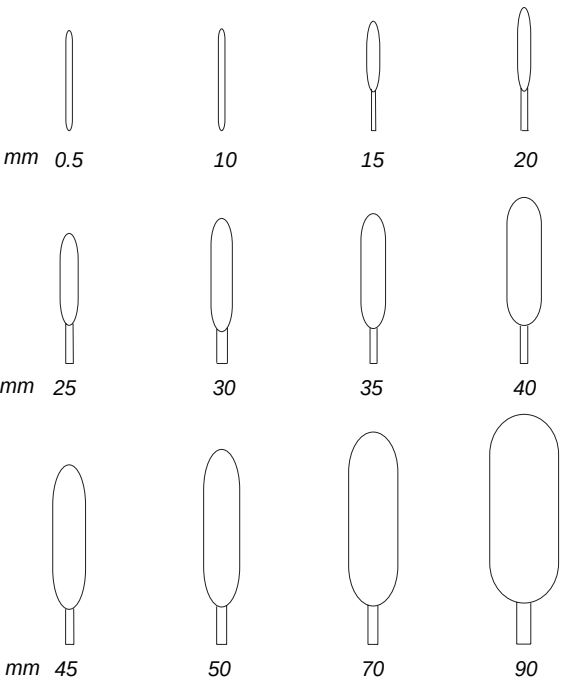
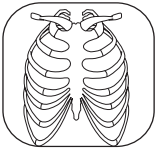
mm	
32	56.430.32
64	56.430.64

RUMEL BELMONT
56.430.32 - 56.430.64
33 cm



mm	
0.5	56.470.05
10	56.470.10
15	56.470.15
20	56.470.20
25	56.470.25
30	56.470.30
40	56.470.40
50	56.470.50

COOLEY
56.470.05 - 56.470.50
13 cm



mm	19 cm	35 cm
0.5	56.472.05	56.474.05
10	56.472.10	56.474.10
15	56.472.15	56.474.15
20	56.472.20	56.474.20
25	56.472.25	56.474.25
30	56.472.30	56.474.30
35	56.472.35	56.474.35
40	56.472.40	56.474.40
45	56.472.45	56.474.45
50	56.472.50	56.474.50
70	56.472.70	56.474.70
90	56.472.90	56.474.90



DE BAKEY
56.472.05 - 56.474.90
19 cm



cm	
18.5	56.505.18
21.5	56.505.21

56.505.18 - 56.505.21
ø 3 mm teeth



cm	
14	56.507.14
24	56.507.24

56.507.14 - 56.507.24



mm	
5	56.509.01
4	56.509.02
3	56.509.03
2	56.509.04

ROBB
56.509.01 - 56.509.04
24 cm





WERNER FORSSMANN

1904 - 1979

In 1929 in a small hospital in Eberswalde, Germany, Werner Forssman, a young surgical resident, anaesthetized his own elbow, inserted a catheter in his ante-cubital vein and with the catheter dangling from his arm, proceeded to a basement x-ray room where he documented the catheter's position in his right atrium proving that a catheter could be inserted safely into a human heart.

Forssmann's goal was to find a safe way to inject drugs for cardiac resuscitation. He was determined that catheterization was the key, but it was believed that any entry into the heart would be fatal.

He was immediately fired for his self-experimentation, despite the significance of his discovery.

Until 1956 Forssmann was awarded a Nobel Prize for his pioneering efforts.



En 1929 Werner Forssmann, un médico residente en el hospital de Eberswalde, Alemania, comprobó la posibilidad de la cateterización segura al corazón autoanestesiándose el codo e introduciéndose el catéter.

Con el mismo catéter tambaleando del brazo, se dirigió a la sala de rayos X para comprobar su posicionamiento en el corazón.

Su meta era encontrar una posibilidad para inyectar

medicamentos directamente para la resucitación cardíaca. Él aseguraba que ésta sería la única posibilidad, a pesar de saber que cualquier entrada directa al corazón sería fatal.

Forssmann fue expulsado del hospital por efectuar autoexperimentos, a pesar de la importancia de su descubrimiento. Fue hasta 1956 que Forssmann recibe el Premio Nobel por su trabajo.

Im Jahre 1929, in der Eberswalder Klinik bei Berlin, wies Werner Forssmann, ein junger Assistenzarzt nach, daß ein Katheter sicher in ein menschliches Herz eingeführt werden kann. Er betäubte seinen Ellenbogen und führte ein Katheter in eine Vene ein.

Mit dem am Arm baumelnden Katheter lief Forssmann in den Röntgensaal, um die Positionierung des Katheters an seinem Herz nachzuweisen.

Sein Ziel war es, einen sicheren Weg zu finden, Medikamente für die Wiederbelebung des Herzens direkt einzuspritzen.

Er war davon überzeugt, daß die Katheterisierung hierfür die einzige Möglichkeit war, obwohl es bekannt war, daß jeder Herzzugang fatale Folgen haben konnte.

Forssmann wurde aufgrund seines Selbstversuches und trotz der Wichtigkeit seine Entdeckung gekündigt.

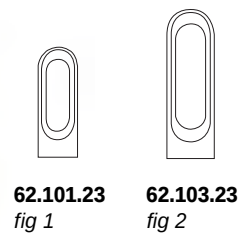
Erst 1956 erhielt Forssmann den Nobelpreis für seine Arbeit.



GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
F		gezeichnet / dibujado	July '98	cvd/jvd	Maastab / escala 1:1
	Stainless Steel	geprüft / verificado	July '98	cvd	Abt. / acot. mm
	inoxidable	Toleranz / tolerancia	June '99	mj	Artikel / artículo


DEWIMED®

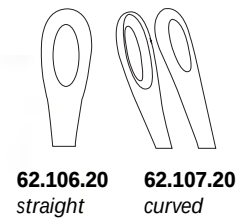
615



62.101.23
fig 1

62.103.23
fig 2

DESJARDINS
62.101.23 - 62.103.23
23 cm



62.106.20
straight

62.107.20
curved

BLAKE
62.106.20 - 62.107.20
20 cm

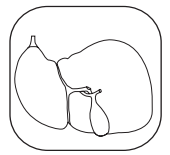


62.110.20 **62.111.20**

MAYO BLAKE
62.110.20 - 62.111.20
20 cm



MIXTER
62.117.22
22 cm



MOORE
62.125.28
30 cm



OCHSNER
62.128.35
38 cm



DESJARDINS
62.130.13 - 62.130.21
30 cm



MOYNIHAN
62.142.34
34 cm



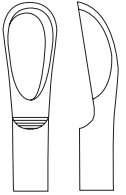
62.130.13
13 Charr



62.130.18
18 Charr



62.130.21
21 Charr



BAKES
62.150.00
set of 9

BAKES
62.150.01 - 62.150.13
30 cm



62.150.01
ø 1 mm



62.150.02
2 mm



62.150.03
3 mm



62.150.04
4 mm



62.150.05
5 mm



62.150.06
6 mm



62.150.07
7 mm



62.150.08
ø 8 mm



62.150.09
9 mm



62.150.10
10 mm



62.150.11
11 mm



62.150.12
12 mm

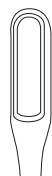


62.150.13
13 mm

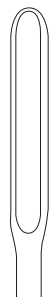




FERGUSSON
62.170.21
21.5 cm



62.178.01
small



62.178.02
medium



62.178.03
large



MAYO
62.178.01 - 62.178.03
27 cm



DESJARDINS
62.180.17 - 62.180.27
30 cm



62.180.17
17 charr



62.180.21
21 charr



62.180.24
24 charr



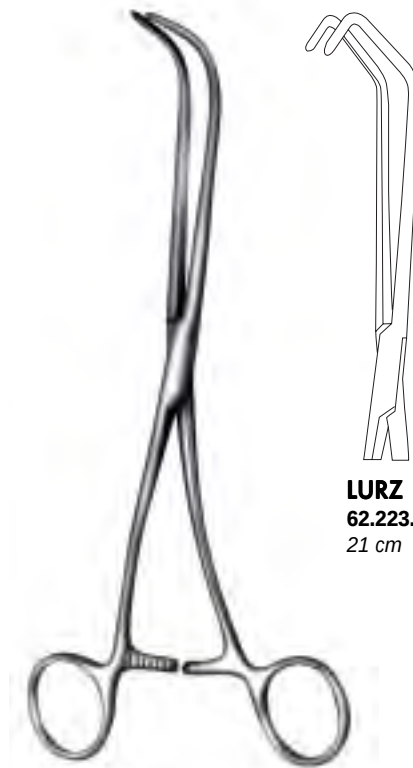
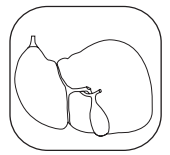
62.180.27
27 charr



MAYO
62.175.27
27 cm



MAYO
62.210.32
32 cm



LURZ
62.223.21
21 cm

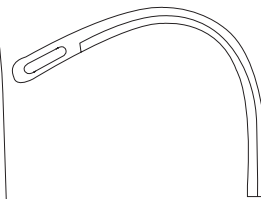
LURZ
62.221.21
21 cm
ureter clamp



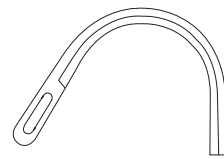
62.231.01
23 cm



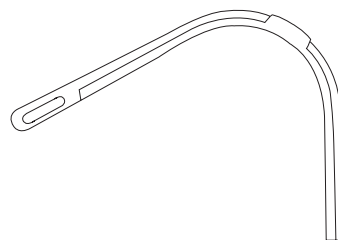
62.231.02
22 cm



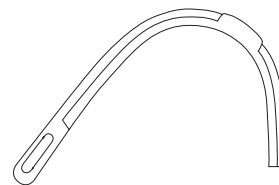
62.231.03
22 cm



62.231.04
22 cm



62.231.05
19 cm



62.231.06
19 cm



RANDALL
62.231.01 - 62.231.06
kidney stone forceps





JOHN B. MURPHY
1857 - 1916



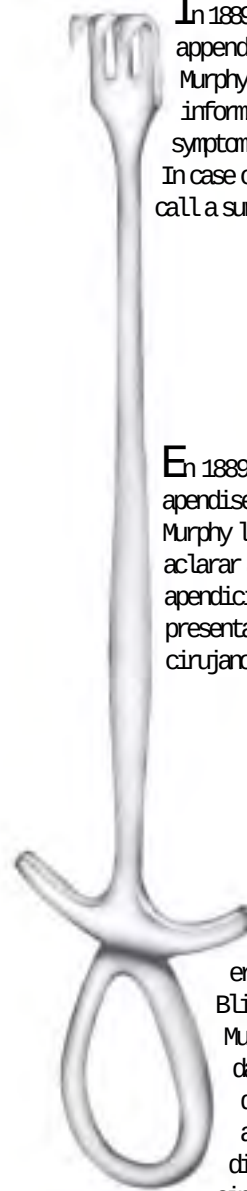
In 1889 he realized the first premature appendectomy.

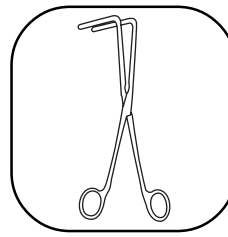
Murphy was very interested in informing the population about the symptoms of appendicitis. In case of arise they would be able to call a surgeon on time.

En 1889 realizó en Chicago la primera apendisección prematura.

Murphy le daba especial interés en aclarar al pueblo los síntomas de apendicitis para que en caso de presentarse, pudieran acudir con un cirujano a tiempo.

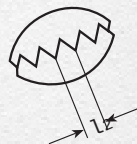
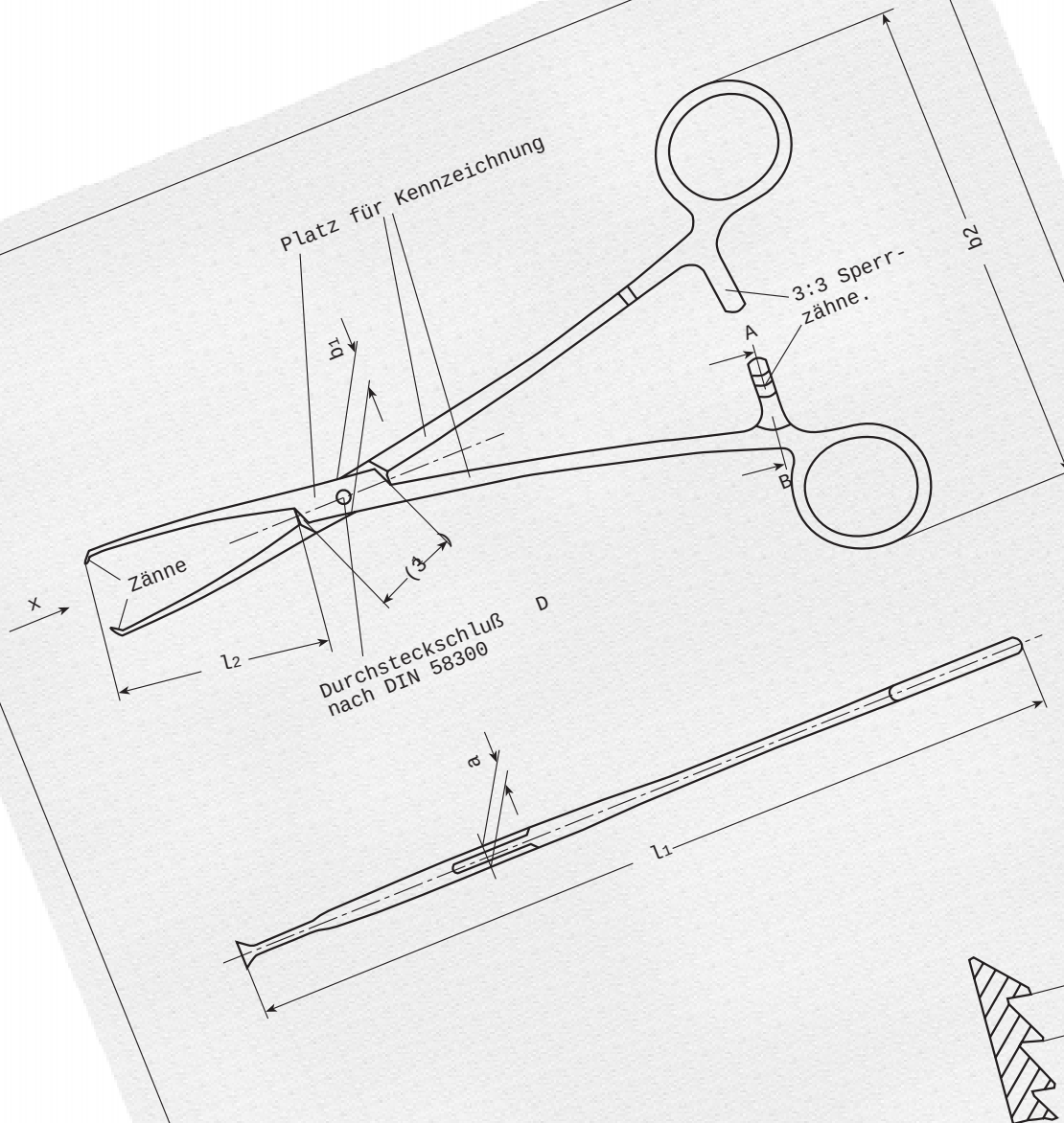
Im Jahre 1889 führte er die erste Frühoperation der Blinddarmenzündung durch. Murphy legte besonderen Wert darauf, die Masse des Volkes auf die Symptome der Apendizitis aufmerksam zu machen, damit diese auch im Notfall rechtzeitig einen Chirurgen aufsuchen.





64

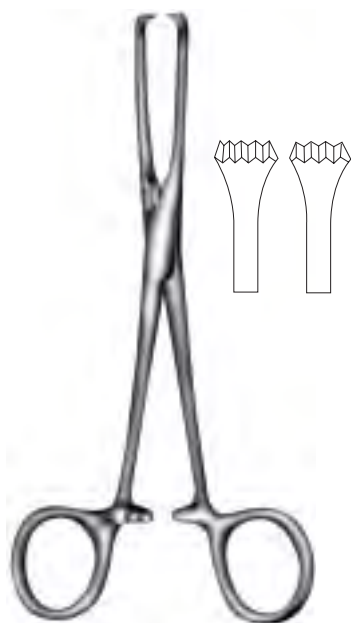
Kidney, Intestines, Stomach
Riñón, Intestino, Estómago
Niere, Darm, Magen



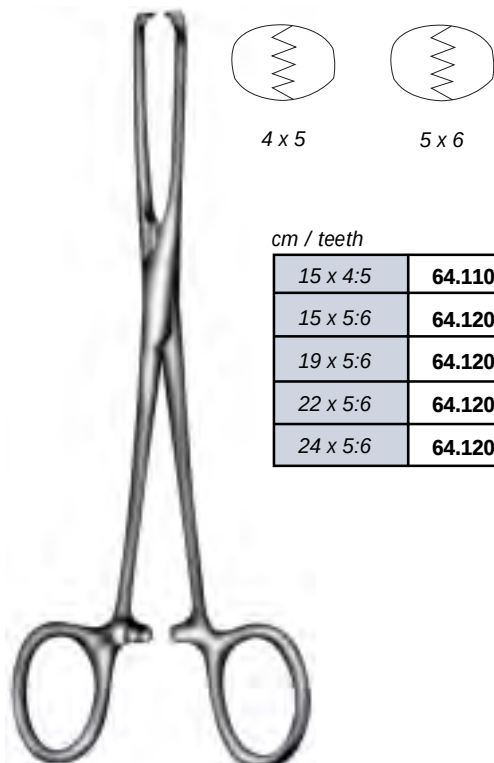
GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
F		gezeichnet / dibujado	July '98	cvd/jvd	1
		geprüft / verificado	July '98	cvd	Maasstab / escala 1:1
		Toleranz / tolerancia	June '99	mj	Abt. / acot. mm
	Stainless Steel				Artikel / artículo
	Acero inoxidable				Artikel-Nr. / No. de artic.

 **DEWIMED®**

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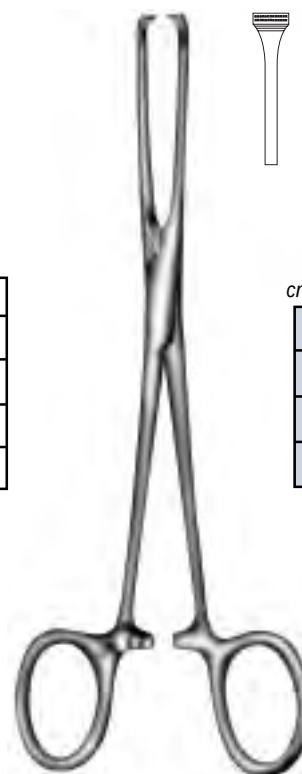
ALLIS baby
64.102.14
 14 cm
 4 x 5 teeth



ALLIS
64.110.15 - 64.120.24

cm / teeth

15 x 4:5	64.110.15
15 x 5:6	64.120.15
19 x 5:6	64.120.19
22 x 5:6	64.120.22
24 x 5:6	64.120.24



ALLIS
64.124.16 - 64.124.30
 atraumatic

cm

16	64.124.16
20	64.124.20
25	64.124.25
30	64.124.30



ALLIS ADAIR
64.130.15
 15.5 cm
 10 x 11 teeth



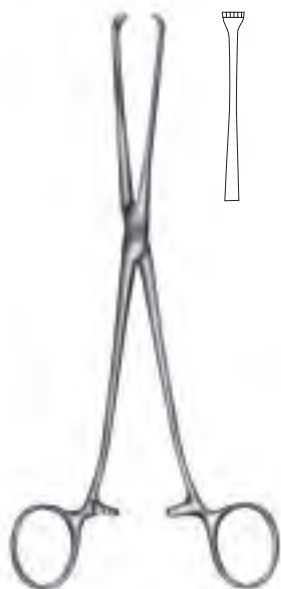
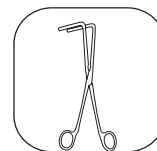
JUDD ALLIS
64.140.15 - 64.140.19
 3 x 4 teeth

cm

15	64.140.15
19	64.140.19



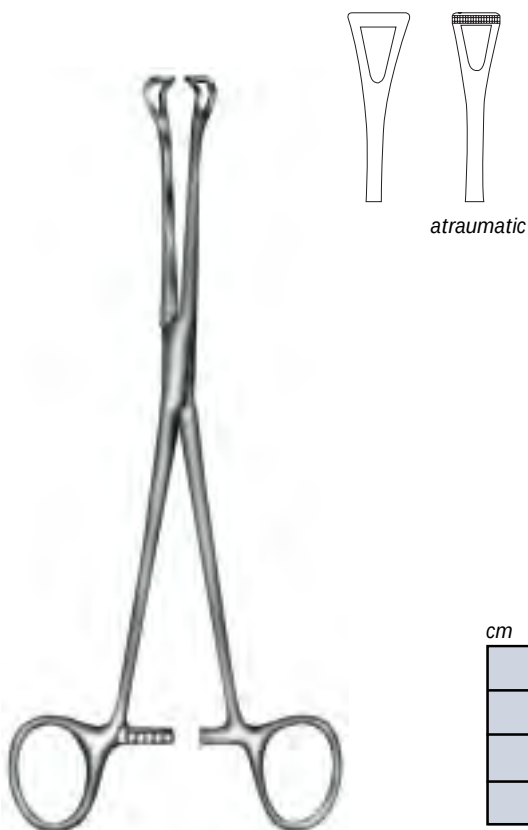
LOCKWOOD
64.146.20
 20 cm



BOYS ALLIS
 64.148.15
 15 cm
 5 x 6 teeth



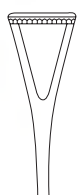
THOMS ALLIS
 64.150.20
 20 cm
 6 x 7 teeth



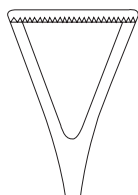
BABCOCK
 64.160.16 - 64.168.20

cm		TC	atraumatic
16	64.160.16	64.164.16 TC	64.168.16
18	64.160.18		
20	64.160.20	64.164.20 TC	64.168.20
24	64.160.24		





13 mm



25 mm

mm / cm

13 / 18	64.170.18
13 / 20	64.170.20
25 / 20	64.172.20
25 / 23	64.172.23
25 / 20	64.174.20 TC

DUVAL
64.170.18 - 64.174.20 TC



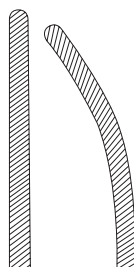
WILLIAMS
64.180.16
16.5 cm



SCHOENBURG
64.182.22
22 cm



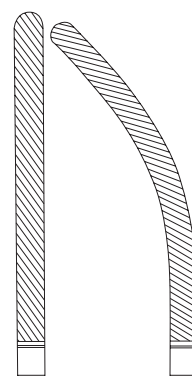
DOYEN baby



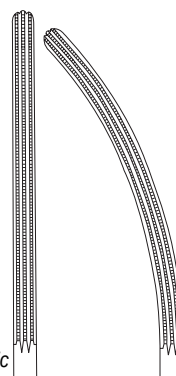
cm

16		
18	64.210.18	64.211.18
21		
23		

DOYEN



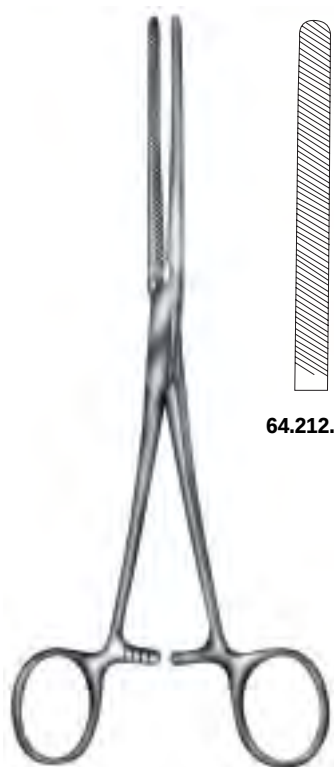
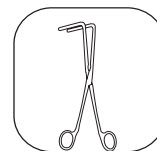
DOYEN
atraumatic



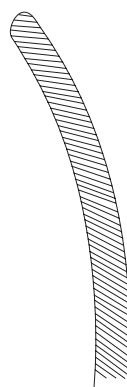
64.210.21	64.211.21
64.210.23	64.211.23

64.216.16	64.217.16
64.216.18	64.217.18
64.216.21	64.217.21
64.216.23	64.217.23

DOYEN baby
64.210.18 - 64.217.23



64.212.20



64.213.20

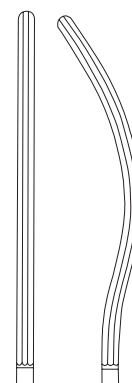
HARTMANN
 64.212.20 - 64.213.20
 20 cm



HARTMANN
 64.218.20 - 64.219.20
 20 cm



cm



atraumatic

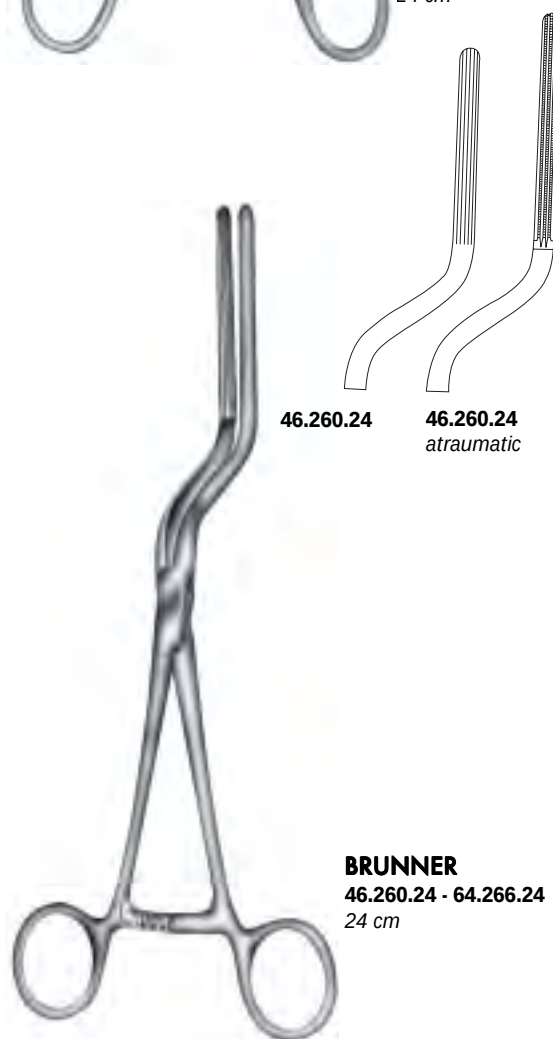
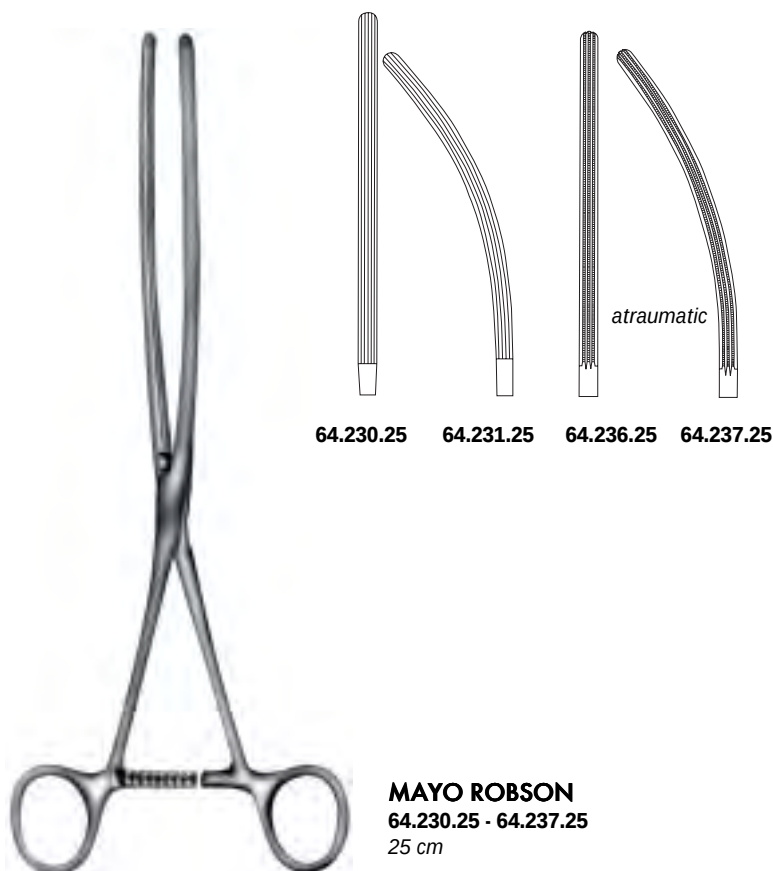


22	64.220.22	64.221.22
25	64.220.25	64.221.25
28	64.220.28	64.221.28

64.226.22	64.227.22
64.226.25	64.227.25
64.226.28	64.227.28

KOCHER
 64.220.22 - 64.227.28



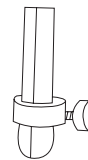




STONE
 64.270.15
 15.5 cm



STONE WATT
 64.272.07
 7.5 cm
 64.272.10
 10 cm



STONE WATT
 64.274.00



64.208.05
 5 cm

64.280.07
 7 cm

64.280.10
 10 cm

DE MARTEL WOLFSON
 64.280.05 - 64.280.10
 set 3



DE MARTEL WOLFSON
 64.282.26
 26 cm



DE MARTEL WOLFSON

64.284.08

8.5 cm

64.284.23

23 cm



64.290.30

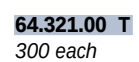
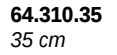
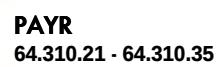
64.291.30



LANE

64.290.30 - 64.291.30

30 cm



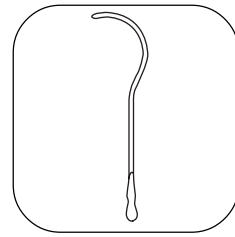


Diego Rivera
1943 - 1944

The History of Cardiology

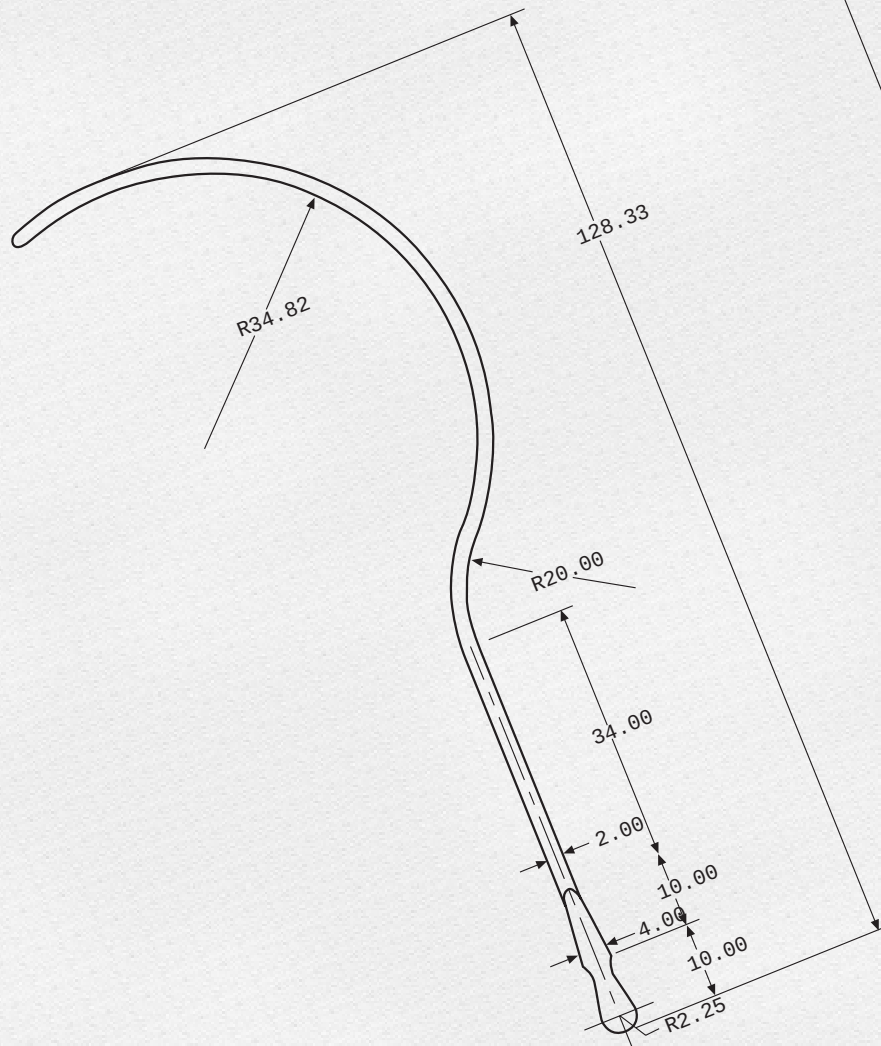
La Historia de la Cardiología

Die Geschichte der Kardiologie



66

Urology
Urologia
Urologie



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
		July '98	cvd/jvd	1
		July '98	cvd	Maasetab / escala 1:1
		June '99	mj	Abt. / acot. mm
				Artikel / artículo
				Artikel-Nr. / No. de artículo
Stainless Steel		 DEWIMED®		
ro inoxidable				

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YOUNG
66.101.21
21 cm



YOUNG
66.103.22
22 cm



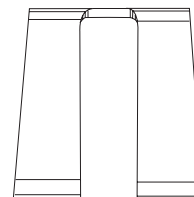
YOUNG
66.105.21
21 cm

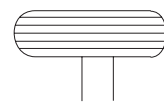
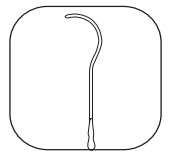


YOUNG
66.106.20
20 cm

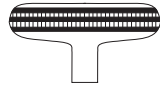


YOUNG
66.107.21
21 cm

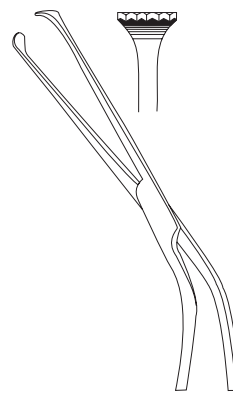




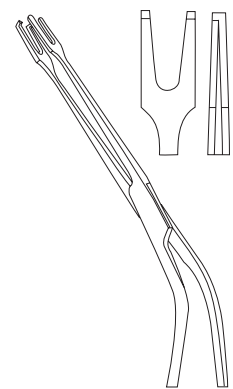
66.111.23
for the capsule
23 cm



66.117.23
atraumatic
for the capsule
23 cm



66.123.23
anterior lobe
23 cm



66.125.24
ligature carrier
24 cm

MILLIN
66.111.23 - 66.125.24



LEGUEU
66.147.27
27 cm



KOCHER
66.149.27
26 cm





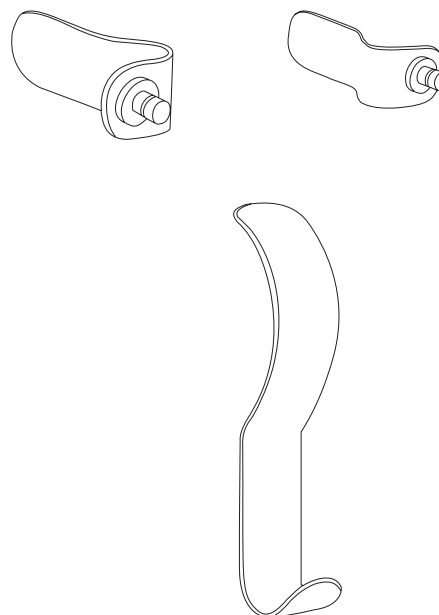
JUDD MASSON
66.150.00

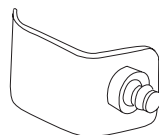
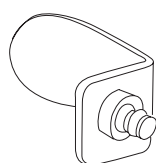
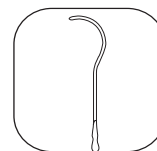


HRYNTSCHAK
66.152.08
complete for child
66.152.11
complete for adult



THOMSON WALKER
66.160.00





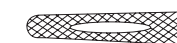
MILLIN
66.162.00
with blades
66.162.50
with blades and cold lig
66.162.51
cold light for 66.162.00



LEGUEU
66.163.00

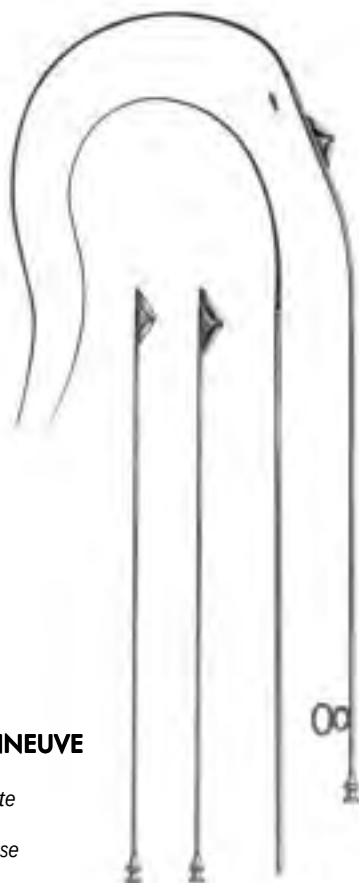


MILLIN
66.165.00
28 cm



MATHIEU
66.168.20
20 cm
66.168.28
28 cm





MAISONNEUVE
66.170.00
set complete
66.170.01
wooden case



OTIS
66.172.00



OTIS
66.172.01



circumcision instrument
66.172.08 - 66.172.35

ø mm

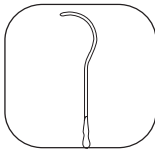
8.0	66.172.08
11.0	66.172.11
13.0	66.172.13
14.5	66.172.14
16.0	66.172.16
21.0	66.172.21
26.0	66.172.26
29.0	66.172.29
32.0	66.172.32
35.0	66.172.35



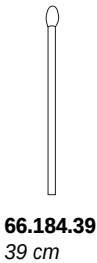
STOCKMANN
66.175.08
8 cm



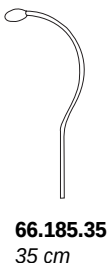
STRAUSS
66.177.11
11 cm



GUYON
66.184.39 - 66.185.35



66.184.39
39 cm



66.185.35
35 cm



GUTMANN
66.180.26
26.5 cm



66.201.00
set complete

VAN BUREN
66.201.00 - 66.201.36
27.5 cm

Charr. / F.G.

6	66.201.06
8	66.201.08
10	66.201.10
12	66.201.12
14	66.201.14
16	66.201.16
18	66.201.18
20	66.201.20
22	66.201.22
24	66.201.24
26	66.201.26
28	66.201.28
30	66.201.30
32	66.201.32
34	66.201.34
36	66.201.36



GUYON
66.200.00
urethral dilatation
set complete





Charr. / F.G.

8	66.205.08
10	66.205.10
11	66.205.11
12	66.205.12
13	66.205.13
14	66.205.14
15	66.205.15
16	66.205.16
17	66.205.17
18	66.205.18
19	66.205.19
20	66.205.20
21	66.205.21
22	66.205.22
23	66.205.23
24	66.205.24

Charr. / F.G.

25	66.205.25
26	66.205.26
27	66.205.27
28	66.205.28
29	66.205.29
30	66.205.30
31	66.205.31
32	66.205.32
33	66.205.33
34	66.205.34
35	66.205.35
36	66.205.36
37	66.205.37
38	66.205.38
39	66.205.39
40	66.205.40

GUYON

66.205.08 - 66.205.40
27 cm



Charr. / F.G.

8	66.211.08
10	66.211.10
12	66.211.12
14	66.211.14
16	66.211.16
18	66.211.18
20	66.211.20
22	66.211.22
24	66.211.24

66.211.08 - 66.211.24
15.5 cm



Charr. / F.G.

8	66.213.08
10	66.213.10
12	66.213.12
14	66.213.14
16	66.213.16
18	66.213.18
20	66.213.20
22	66.213.22
24	66.213.24

66.213.08 - 66.213.24
15.5 cm

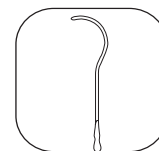


Charr. / F.G.

8	66.219.08
10	66.219.10
12	66.219.12
14	66.219.14
16	66.219.16
18	66.219.18
20	66.219.20
22	66.219.22
24	66.219.24

COXETER

66.219.08 - 66.219.24



Charr. / F.G.

8	66.223.08
9	66.223.09
10	66.223.10
11	66.223.11
12	66.223.12
13	66.223.13
14	66.223.14
15	66.223.15
16	66.223.16
17	66.223.17
18	66.223.18

Charr. / F.G.

19	66.223.19
20	66.223.20
21	66.223.21
22	66.223.22
23	66.223.23
24	66.223.24
25	66.223.25
26	66.223.26
27	66.223.27
28	66.223.28
29	66.223.29
30	66.223.30

DITTEL

66.223.08 - 66.223.30
35 cm



66.221.00
set complete

WALTHER

66.221.00 - 66.221.38

Charr. / F.G.

12	66.221.12
14	66.221.14
16	66.221.16
18	66.221.18
20	66.221.20
22	66.221.22
24	66.221.24
26	66.221.26
28	66.221.28
30	66.221.30
32	66.221.32
34	66.221.34
36	66.221.36
38	66.221.38

66.220.00
set complete



Charr. / F.G.

6	66.220.06
7	66.220.07
8	66.220.08
9	66.220.09
10	66.220.10
11	66.220.11
12	66.220.12
13	66.220.13
14	66.220.14
15	66.220.15
16	66.220.16
17	66.220.17

Charr. / F.G.

18	66.220.18
19	66.220.19
20	66.220.20
21	66.220.21
22	66.220.22
23	66.220.23
24	66.220.24
25	66.220.25
26	66.220.26
27	66.220.27
28	66.220.28
29	66.220.29
30	66.220.30

DITTEL

66.220.00 - 66.220.30
35 cm





Heinrich Kullmerer and Albrecht
Meier
16th century

Short - robed surgeon catheterizes a patient

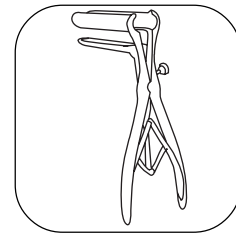
... to relieve urinary obstruction, usually due to stones, but the spread of syphilis in the 16th century dramatically increased the problem of obstruction.

Cirujano cateteriza a un paciente

... para liberar la obstrucción urinaria, por lo general causada por cálculos. Sin embargo la propagación de sífilis en el siglo XVI aumentó dramáticamente el problema de la obstrucción en las vías urinarias.

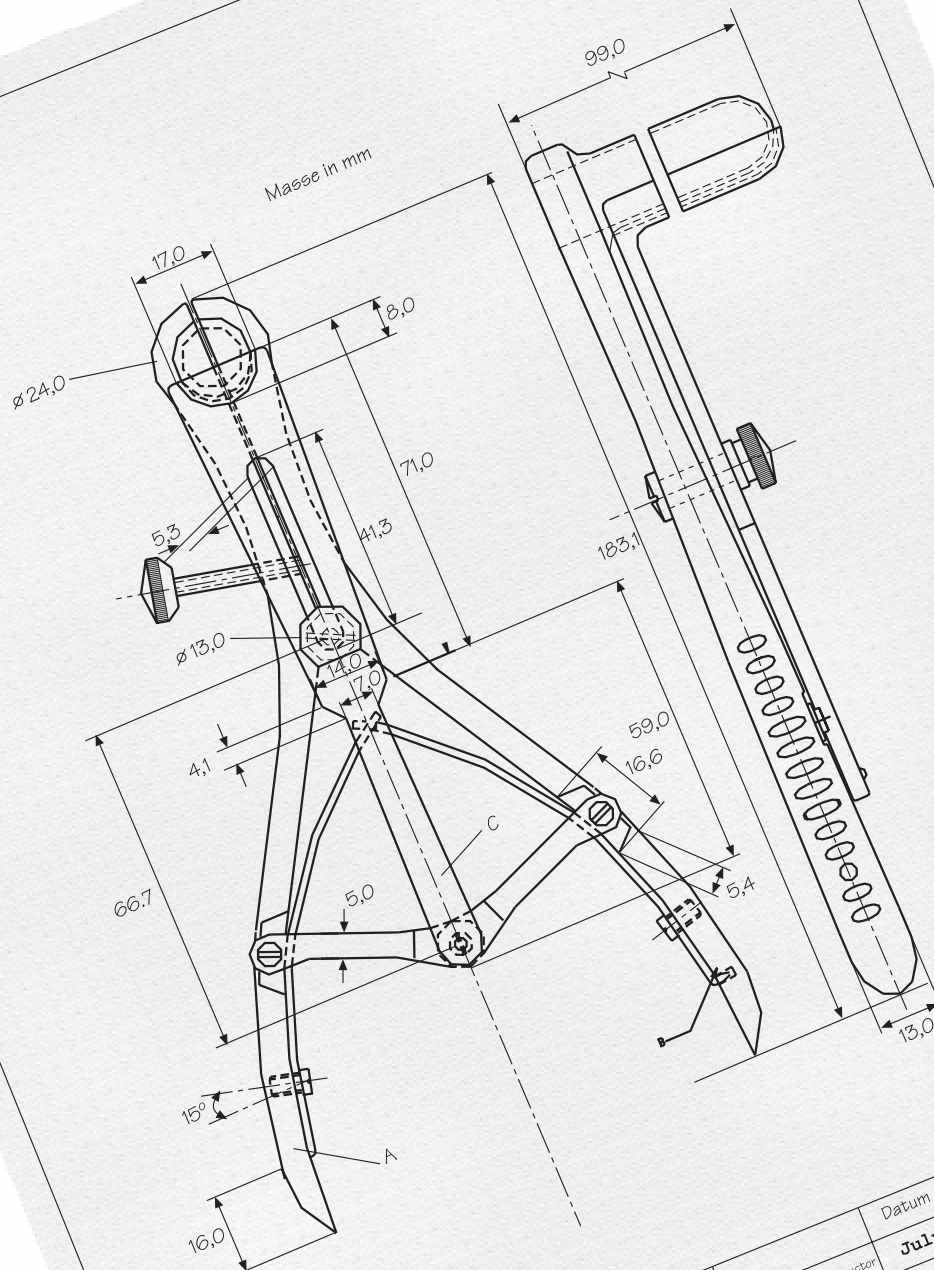
**Kurzgekleideter Chirurg
katheterisiert Patient**

... um die Harnabflussbehinderung zu heilen, die durch Blasen- oder Nierensteine entstehen kann. Jedoch ist aufgrund der Syphilis-Ausbreitung im 16. Jahrhundert das Problem der Harnobstruktion dramatisch gestiegen.



68

**Rectum
Recto
Mastdarm**



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F	Konstrukteur / constructor	July '98	cvd/jvd	1
	gezeichnet / dibujado	July '98	cvd	Maasetab / escala 1:1
	geprüft / verificado	June '99	mj	Abt. / acot. mm
	Toleranz / tolerancia			Artikel-Nr. / No. de artículo
Stainless Steel Acero inoxidable				



CZERNY
68.105.22
22 cm



SIMS
68.110.15
15 cm



BODENHAMMER
68.115.15
15 cm
SIMS
68.117.15
cold light
15 cm



PRATT
68.121.00
20.5 cm



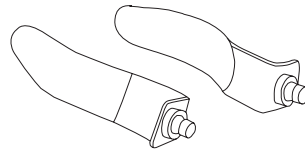
BARR
68.125.17
70 x 22 mm
17 cm



MATHIEU
68.130.19
90 x 15 mm
19.5 cm



ALAN PARKS
68.147.00
complete
13.5 cm



68.147.09
left
68.147.15
right
150 mm

ALAN PARKS
68.148.00
cold light attachment
for 68.147.00



SMITH BUIE
68.150.15
75 x 23 mm
15 cm



STRAUSS
68.160.00
complete
STRAUSS
68.161.00
cold light
complete



IVES FANSLER
68.210.22
ø 22 mm
L=80 mm





ø mm

16	68.212.16
19	68.212.19
22	68.212.22

HIRSCHMANN
68.212.16 - 68.212.22
L = 65 mm



ø mm

22 x 50	68.220.05
22 x 100	68.220.10
22 x 140	68.220.14
22 x 200	68.220.20

KELLY
68.220.05 - 68.220.20



ø mm

21	68.224.21
27	68.224.27

KELLY
68.224.21 - 68.224.27
L = 50 mm



68.251.01



68.251.02



68.251.03

PRATT
68.251.01 - 68.251.03
21 cm
cystic hooks



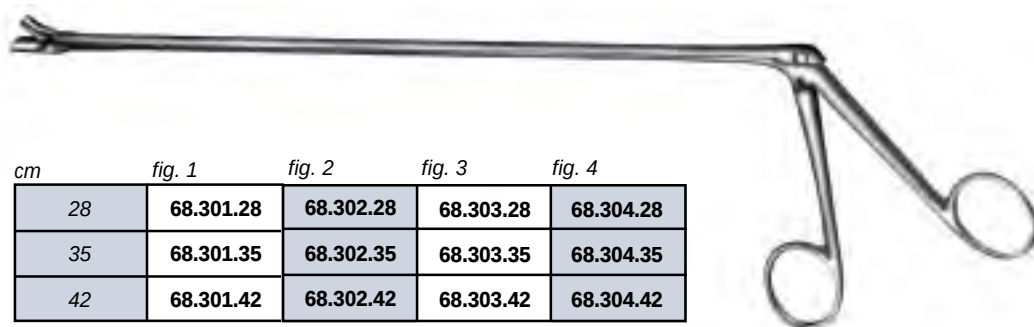
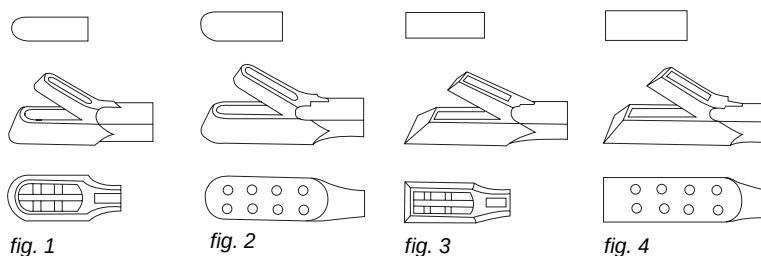
68.253.24
24 cm



BUIE
68.261.41
41 cm



WESTON
68.263.30
30 cm



cm	fig. 1	fig. 2	fig. 3	fig. 4
28	68.301.28	68.302.28	68.303.28	68.304.28
35	68.301.35	68.302.35	68.303.35	68.304.35
42	68.301.42	68.302.42	68.303.42	68.304.42

YEOMAN
68.301.28 - 68.304.42
biopsy specimen forceps



cm	
23	68.311.23
33	68.311.33
40	68.311.40

YEOMAN
68.311.23 - 68.311.40
rotatable



cm	
23	68.321.23
33	68.321.33
40	68.321.40

TURREL
68.321.23 - 68.321.40
rotatable



HEYWOOD SMITH
68.402.21
21 cm



68.420.00
haemorrhoidal ligator complete
68.420.01
only



68.420.02
loading cone



68.420.03
10 x 11 mm
68.420.04
10 x 16 mm



McGIVNEY
68.430.00
ligator



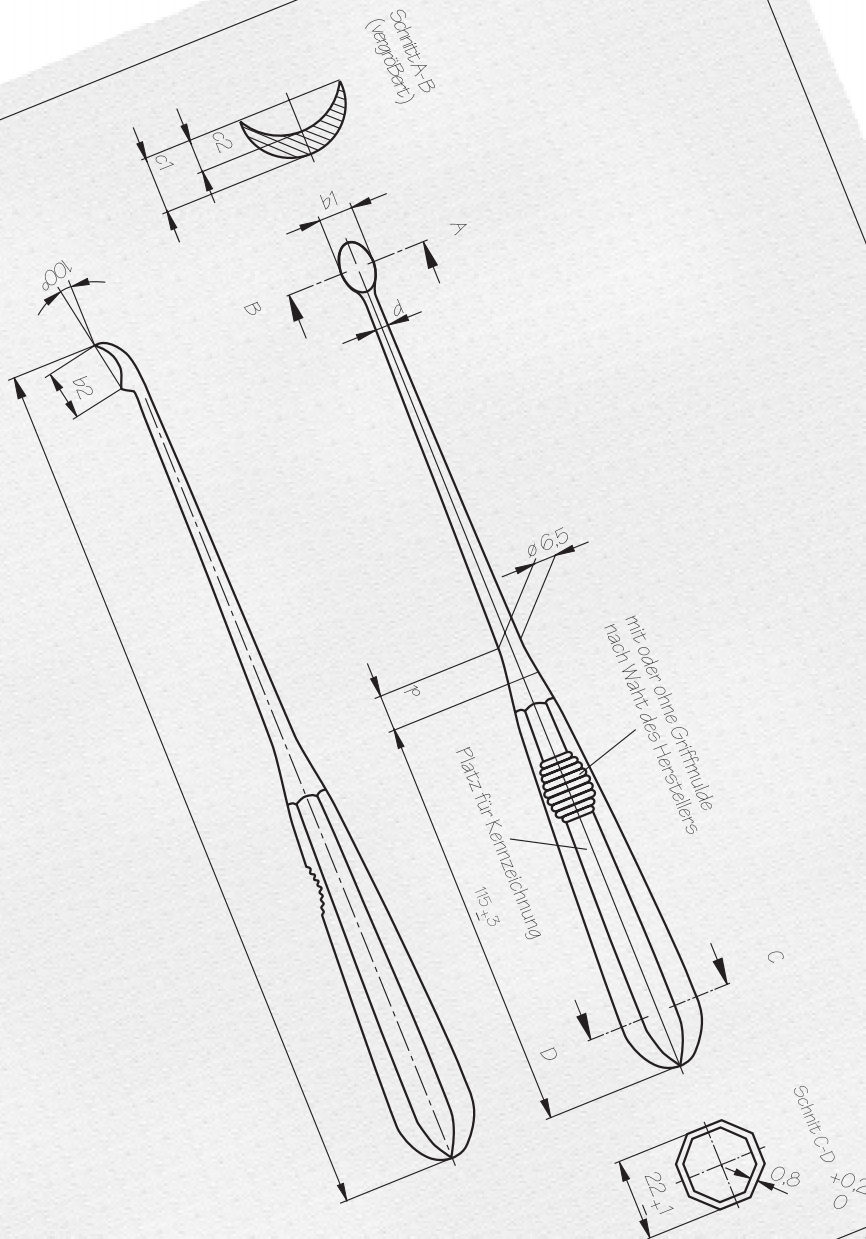
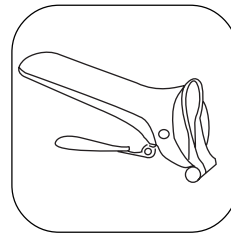
RUDD
68.432.00
31.5 cm



68.433.00



McGIVNEY
68.439.19
19 cm



GENERAL CATALOGUE		Datum / fecha	Name / nombre	Plan / plano
F	Konstrukteur / constructor	July '98	cvd/jvd	1
	gezeichnet / dibujado	July '98	cvd	Maaßstab / escala 1:1
	geprüft / verificado	June '99	mj	Abt. / acot. mm
Stainless Steel Acero inoxidable		Toleranz / tolerancia		Artikel-Nr. / No. de artículo



GRAVE

mm standard laser

75 x 20	70.110.01	
95 x 35	70.110.02	70.114.02
115 x 35	70.110.03	70.114.03



PEDERSON

mm

75 x 13	70.120.01
100 x 22	70.120.02
120 x 25	70.120.03

PEDERSON

70.122.10

100 x 16 mm



COLLIN

70.130.01 - 70.130.03

mm

85 x 30	70.130.01
100 x 35	70.130.02
110 x 40	70.130.03



COLLIN

70.131.00

65 x 20 mm



COLLIN

70.132.00

65 x 10 mm



lateral screw

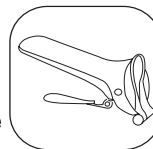
CUSCO

mm

standard

laser

80 x 24	70.140.00	
75 x 32	70.140.01	
85 x 35	70.140.02	70.144.02
100 x 35	70.140.03	70.144.03



CUSCO
70.142.00
75 X 17 mm



CUSCO
70.150.00 - 70.151.01

mm

80 x 24	70.150.00
75 x 32	70.150.01
85 x 36	70.150.02
95 x 37	70.150.03
110 x 37	70.150.04
75 x 17	70.151.00



CUSCO
70.152.01 - 70.152.03

mm

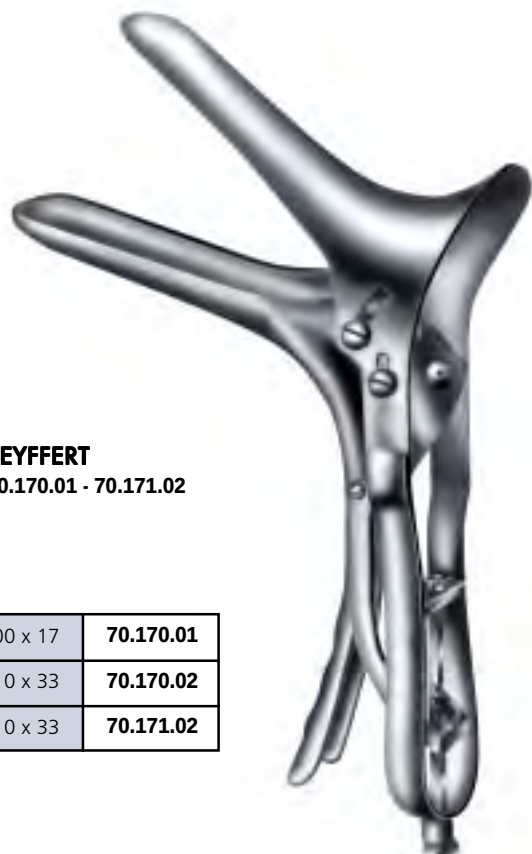
80 x 32	70.152.01
90 x 37	70.152.02
115 x 37	70.152.03



CUSCO
70.160.01 - 70.160.03
swiss pattern

mm

90 x 23 - 25	70.160.01
100 x 25 - 27	70.160.02
110 x 27 - 30	70.160.03



SEYFFERT
70.170.01 - 70.171.02

mm

100 x 17	70.170.01
110 x 33	70.170.02
110 x 33	70.171.02



TRELAT
70.180.01 - 70.180.03

mm

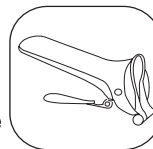
85 x 33	70.180.01
95 x 35	70.180.02
115 x 43	70.180.03



SEMM
70.190.01
100 mm / 17 - 20 mm
70.190.02
100 mm / 25 - 30 mm



O'SULLIVAN O'CONNOR
70.196.00



standard

KRISTELLER

70.210.01 - 70.210.03

set of 1 retractor
and 1 speculum

fig

1	70.210.01
2	70.210.02
3	70.210.03

speculum

KRISTELLER

70.211.01 - 70.211.03

mm

70 x 27	70.211.01
80 x 30	70.211.02
90 x 36	70.211.03

retractor

KRISTELLER

70.212.01 - 70.212.03

mm

75 x 23	70.212.01
85 x 26	70.212.02
100 x 32	70.212.03



KRISTELLER

70.220.01

fig 1

70.220.02

fig 2

set of 1 retractor
and 1 speculum

speculum

KRISTELLER

70.221.01

105 x 18 mm

70.221.02

105 x 21 mm

retractor

KRISTELLER

70.222.01

110 x 14 mm

70.222.02

115 x 17 mm



KRISTELLER

70.230.01 - 70.230.03

set of 1 retractor
and 1 speculum

fig

1	70.230.01
2	70.230.02
3	70.230.03

KRISTELLER

70.231.01 - 70.231.03

speculum

mm

105 x 26	70.231.01
105 x 28	70.231.02
105 x 33	70.231.03

KRISTELLER

70.232.01 - 70.232.03

retractor

mm

115 x 22	70.232.01
115 x 24	70.232.02
115 x 29	70.232.03

KRISTELLER

70.240.01 - 70.240.03

set of 1 retractor
and 1 speculum

fig

1	70.240.01
2	70.240.02
3	70.240.03

KRISTELLER

70.241.01 - 70.241.03

speculum

mm

110 x 27	70.241.01
110 x 30	70.241.02
110 x 36	70.241.03

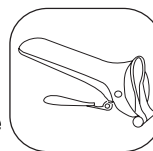
KRISTELLER

70.242.01 - 70.242.03

retractor

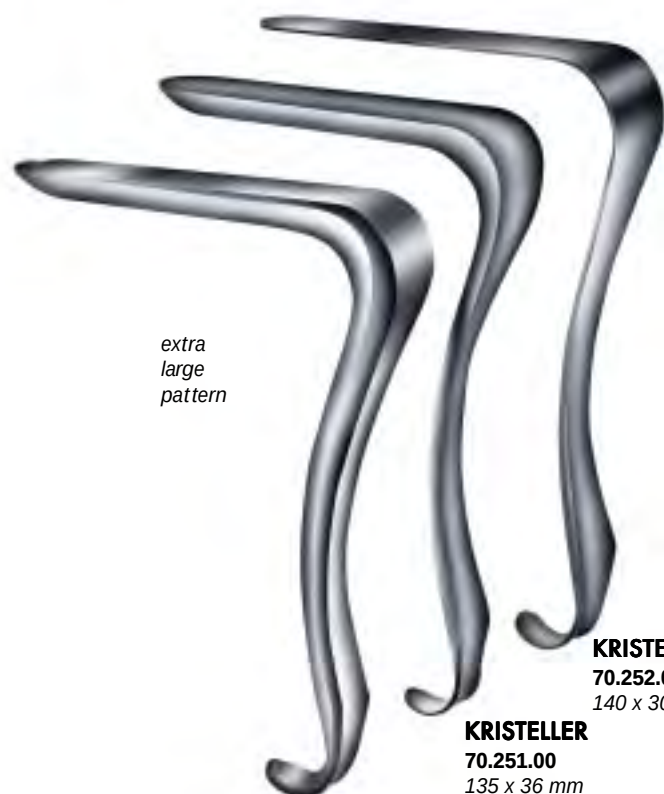
mm

115 x 23	70.242.01
115 x 26	70.242.02
115 x 32	70.242.03



KRISTELLER
70.244.00
70 x 15 mm

KRISTELLER
70.245.00
speculum
70 x 15 mm
70.246.00
retractor
70 x 15 mm



*extra
large
pattern*

KRISTELLER
70.252.00
140 x 30 mm

KRISTELLER
70.251.00
135 x 36 mm

KRISTELLER
70.250.00
set

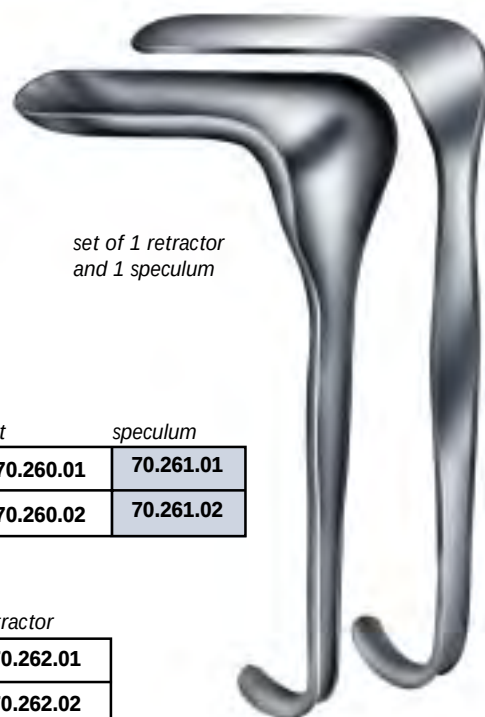


SEIDL
70.258.08 - 70.258.14

70.258.08
80 x 8 mm

70.258.10
80 x 10 mm

70.258.14
90 x 14 mm



*set of 1 retractor
and 1 speculum*

mm	set	speculum
70 x 40	70.260.01	70.261.01
90 x 40	70.260.02	70.261.02

mm	retractor
70 x 33	70.262.01
90 x 33	70.262.02

KALLMORGEN
70.260.01 - 70.262.02





mm

75 x 38	70.271.01
90 x 38	70.271.02
100 x 38	70.271.03

JACKSON

70.271.01 - 70.271.03



small	70.281.01
medium	70.281.02
large	70.281.03

SIMS

70.281.01 - 70.281.03

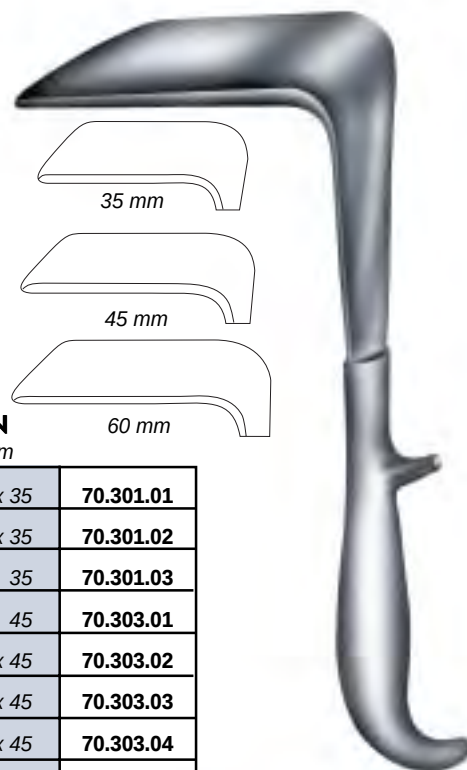
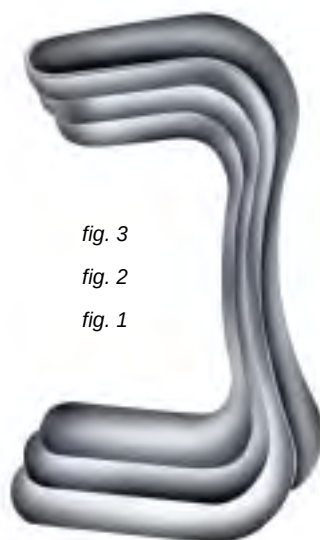
SIMS

set	70.291.00
fig. 1	70.291.01
fig. 2	70.291.02
fig. 3	70.291.03

fig. 3

fig. 2

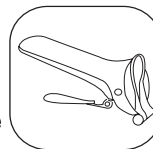
fig. 1



DOYEN

mm x mm

55 x 35	70.301.01
85 x 35	70.301.02
115 x 35	70.301.03
55 x 45	70.303.01
85 x 45	70.303.02
115 x 45	70.303.03
160 x 45	70.303.04
55 x 60	70.305.01
85 x 60	70.305.02
115 x 60	70.305.03
160 x 60	70.305.04



AUVARD
70.307.00
detachable weight
70.309.00
fixed weight



AUVARD
70.309.25



BREISKY
70.310.20 - 70.315.40

mm x mm

100 x 20	70.310.20
100 x 25	70.310.25
100 x 30	70.310.30
100 x 35	70.310.35
100 x 40	70.310.40
130 x 20	70.313.20
130 x 25	70.313.25
130 x 30	70.313.30
130 x 35	70.313.35
130 x 40	70.313.40
155 x 40	70.315.40



LANDAU
70.319.28
100 x 28 mm
70.319.38
100 x 38 mm



FRIEDMANN
70.351.10
10 cm



KOGAN
70.366.24
laser 2 / 4 mm
70.366.48
laser 4 / 8 mm

KOGAN
70.360.24
standard 24 cm
70.364.24
laser 24 cm





HEGAR
70.410.01 - 70.415.16

70.404.14
set 70.410.04 - 70.410.17
14 pieces
70.404.26
set 70.410.01 - 70.410.26
26 pieces

mm

1.0	70.410.01
1.5	70.415.01
2.0	70.410.02
2.5	70.415.02
3.0	70.410.03
3.5	70.415.03
4.0	70.410.04
4.5	70.415.04
5.0	70.410.05
5.5	70.415.05
6.0	70.410.06
6.5	70.415.06
7.0	70.410.07
7.5	70.415.07
8.0	70.410.08
8.5	70.415.08
9.0	70.410.09
9.5	70.415.09
10.0	70.410.10
10.5	70.415.10
11.0	70.410.11
11.5	70.415.11
12.0	70.410.12
12.5	70.415.12
13.0	70.410.13
13.5	70.415.13
14.0	70.410.14
14.5	70.415.14
15.0	70.410.15
15.5	70.415.15

mm

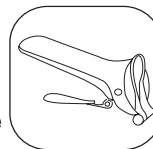
16.0	70.410.16
16.5	70.415.16
17.0	70.410.17
18.0	70.410.18
19.0	70.410.19
20.0	70.410.20
21.0	70.410.21
22.0	70.410.22
23.0	70.410.23
24.0	70.410.24
25.0	70.410.25
26.0	70.410.26
27.0	70.410.27
28.0	70.410.28
29.0	70.410.29
30.0	70.410.30



HEGAR
70.405.14
set 14 pieces



HEGAR
70.406.14
set 14 pieces 4 - 17 mm
70.406.26
set 26 pieces 1 - 26 mm



HEGAR

70.424.08

set 8 pieces 70.420.03 - 70.420.17

70.424.13

set 13 pieces 70.420.01 - 70.420.25

mm

1/2	70.420.01
3/4	70.420.03
5/6	70.420.05
7/8	70.420.07
9/10	70.420.09
11/12	70.420.11
13/14	70.420.13
15/16	70.420.15
17/18	70.420.17
19/20	70.420.19
21/22	70.420.21
23/24	70.420.23
25/26	70.420.25



HEGAR

70.425.08

8 pieces 3/4 - 17/18 mm



HEGAR

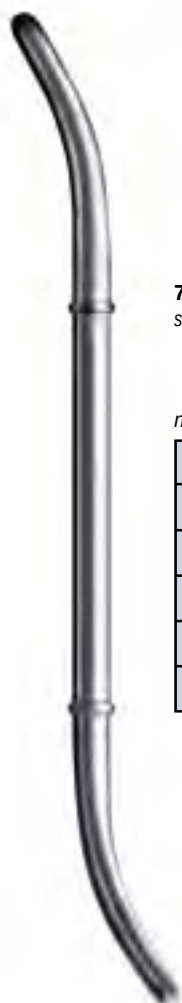
70.426.08

8 pieces 3/4 - 17/18 mm

70.426.13

13 pieces 1/2 - 25/26 mm





70.435.06
set 6

mm/cm		fig/U. S.
4.5 / 5	70.430.10	9 / 10
5.5 / 6	70.430.12	11 / 12
6.5 / 7	70.430.14	13 / 14
7.5 / 8	70.430.16	15 / 16
8.5 / 9	70.430.18	17 / 18
9.5 / 10	70.430.20	19 / 20

HANK
70.430.10 - 70.430.20



HANK
70.436.08
set 6
with bag



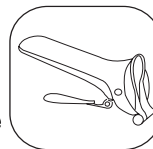
GOODSELL
70.441.34
34 cm



WYLIE
70.443.29
29 cm



SIMS
70.445.29
29 cm



charr. FG

13 / 15	70.447.13
17 / 19	70.447.17
21 / 23	70.447.21
25 / 27	70.447.25
29 / 31	70.447.29
33 / 35	70.447.33
37 / 39	70.447.37
41 / 43	70.447.41

PRATT
70.447.08
set 8

PRATT
70.447.13 - 70.447.41



SCHROEDER
70.502.25
25 cm



BRAUN
70.504.25
25 cm



SKENE
70.505.24
24 cm



POZZI
70.506.25
25 cm



DUPLAY
70.507.28
28 cm



STAUDE MOORE
70.508.17
17 cm

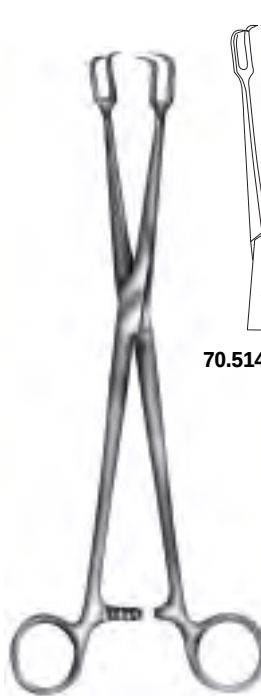




BARRETT
70.510.18
18 cm



JARCHO
70.512.20
20 cm



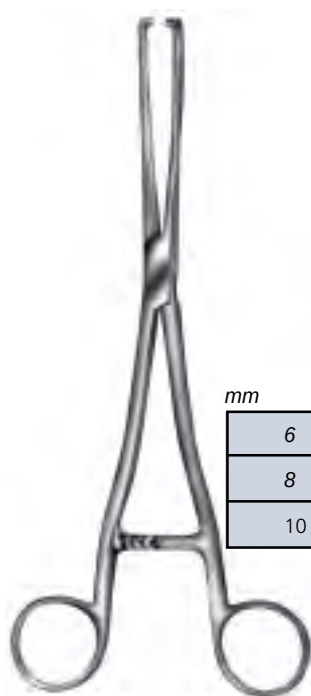
SCHROEDER
70.514.24 - 70.515.24
2 x 2 teeth



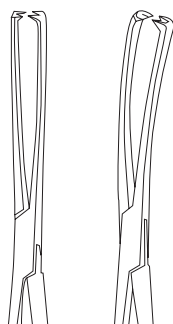
70.514.24



70.515.24



MUSEUX
70.524.06 - 70.525.10
2 x 2 teeth
24 cm



mm

6	70.524.06	70.525.06
8	70.524.08	70.525.08
10	70.524.10	70.525.10

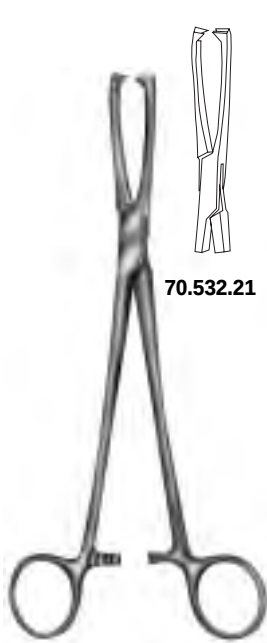
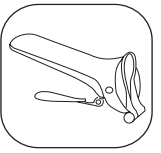


TEALE
70.526.20
4 x 3 teeth 10 mm
23 cm



TEALE
70.531.23
23 cm





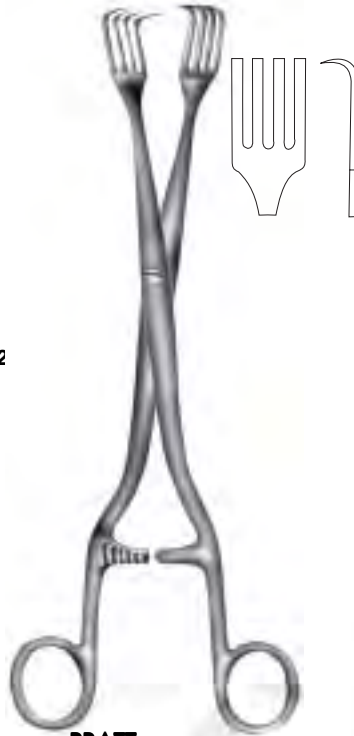
70.532.21

70.533.2

JACOBS

70.532.21 - 70.533.21

21 cm



PRATT

70.536.28

28 cm



IOWA

70.539.26

26 cm



NOTO

70.540.27

27 cm



DOYEN

70.542.20

20 cm



KELLY

70.543.32

32 cm



DARTIGUES

70.545.27

27 cm



SOMER

70.547.23

23 cm

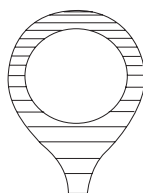




COLLIN
70.549.25
25 cm



COLLIN
70.550.28
28 cm



BUMM
70.552.28
28 cm



BEACHAM
70.559.26
26 cm



BRAUN
70.565.28
28 cm



SIMS
70.567.26
26 cm



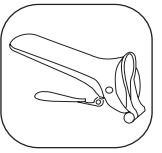
SIMS
70.580.32
rigid
70.581.32
malleable



MARTIN
70.582.32
rigid
70.583.32
malleable



COLLIN
70.584.28
28 cm



RANDALL
70.590.04
24 cm / 4 mm



NOVAK
70.592.01 - 70.592.04
23 cm



mm

1	70.592.01
2	70.592.02
3	70.592.03
4	70.592.04



KEVORKIAN
70.594.12
30 cm
1.2 mm
70.594.40
30 cm
4 mm



KELLY GRAY
70.596.05 - 70.596.08
24 cm



70.596.05
5 mm



70.596.06
6 mm



70.596.07
7 mm



70.596.08
8 mm



FAURE
70.601.21
21 cm



SCHUBERT
70.604.21
21 cm
70.604.28
28 cm





SCHUBERT
70.605.26
26 cm



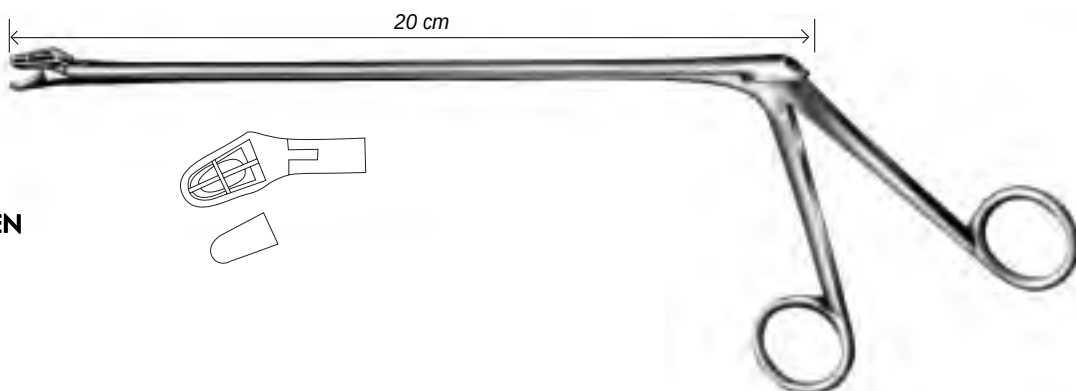
THOMS GAYLOR
70.606.24
24 cm



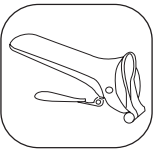
GELLHORN
70.609.23
23 cm



VAN DOREN
70.611.25
25 cm



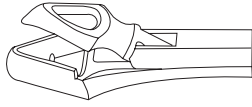
ALEXANDER
70.613.28
28 cm



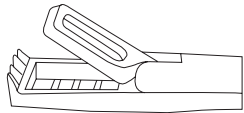
70.615.01

70.615.02

24 cm



SCHUMACHER
70.615.01 - 70.615.02
24 cm



3 x 9.7 mm

24.5 cm

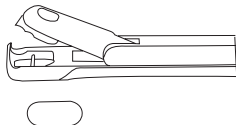
KEVORKIAN
70.617.04
24.5 cm



4 x 8 mm

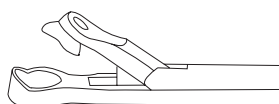
23 cm

WITTNER
70.618.23
straight
70.619.23
curved

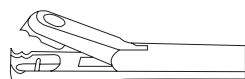


3 x 7 mm

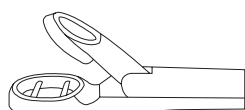
TISCHLER MORGAN
70.621.01



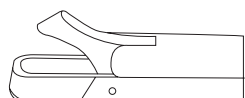
7 x 5 mm



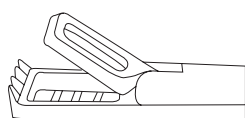
TISCHLER Morgan
fig 1



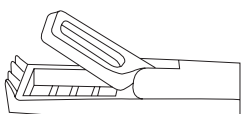
3.7 x 5 mm
fig 3



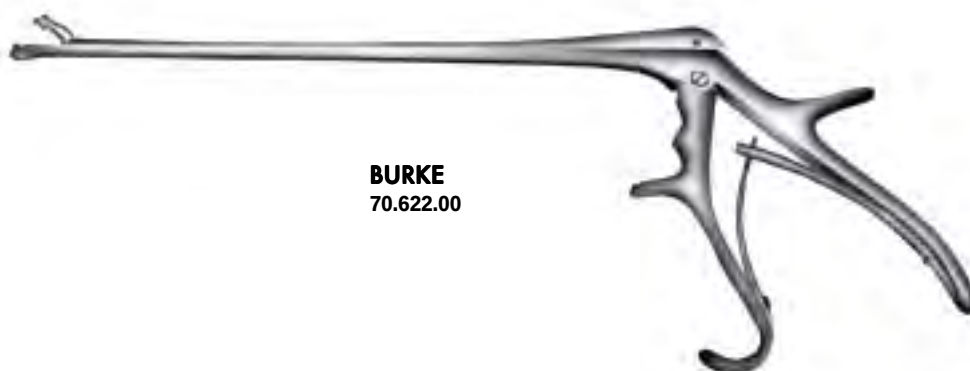
mini
fig 5



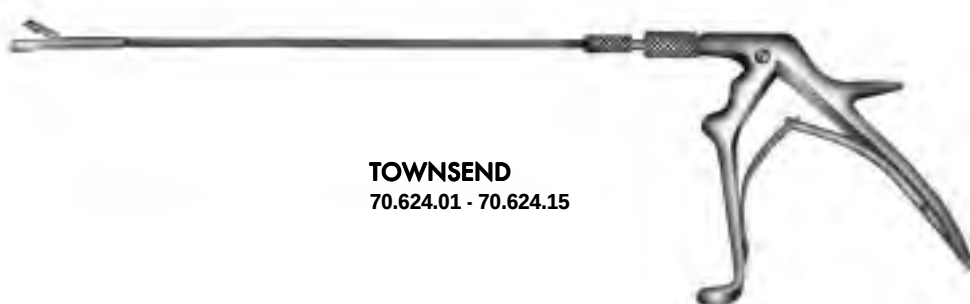
KEVORKIAN
fig 4



3 x 8 mm



BURKE
70.622.00

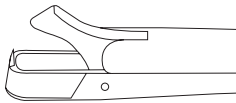
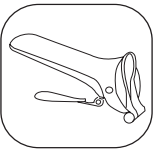


TOWNSEND
70.624.01 - 70.624.15

fig	complete	tip only
1	70.624.01	70.624.11
3	70.624.03	70.624.13
4	70.624.04	70.624.14
5	70.624.05	70.624.15



KEVORKIAN PACIFIC
70.625.04



2.3 x 4.2 mm

TOWNSEND mini
70.626.00



3 x 9.5 mm

TISCHLER KEVORKIAN
70.627.00



4 x 6.5 mm

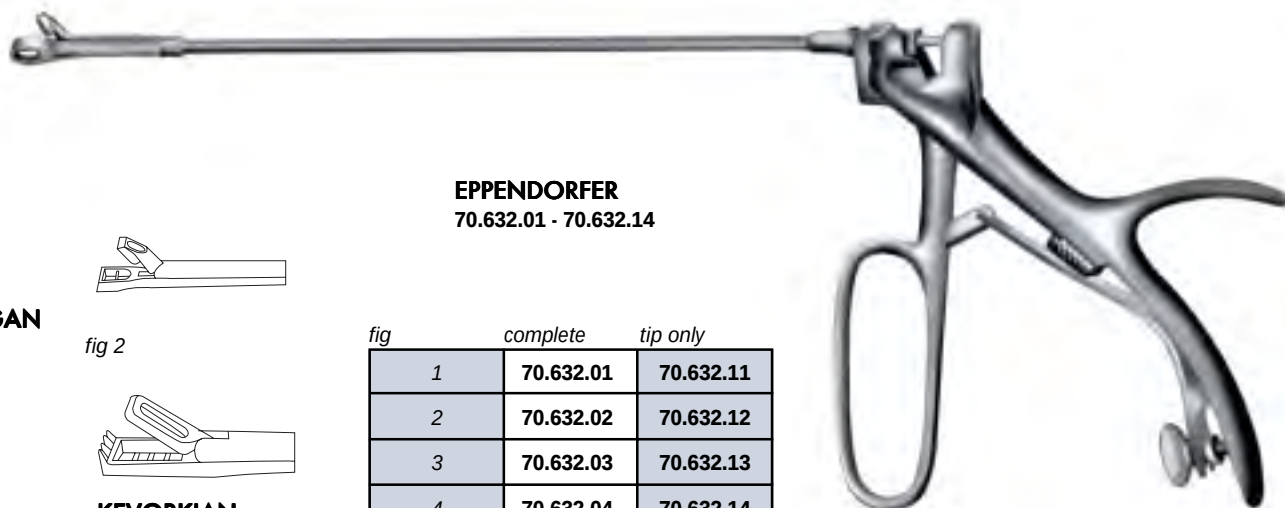
BAGGISH
70.628.00



4 x 8 mm

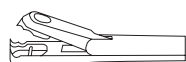
EPPENDORFER
70.630.00





EPPENDORFER
70.632.01 - 70.632.14

fig	complete	tip only
1	70.632.01	70.632.11
2	70.632.02	70.632.12
3	70.632.03	70.632.13
4	70.632.04	70.632.14



TISCHLER MORGAN
fig 1

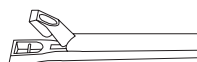


fig 2

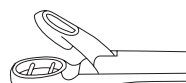
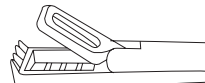


fig 3



KEVORKIAN
fig 4



DOYEN
70.641.17
myoma screw
17 cm



SEGOND
70.643.27
myoma knife
27 cm



EMMET
70.645.01 - 70.645.05
fistula hooks
22 cm



70.645.01



70.645.02



70.645.03



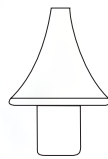
70.645.04



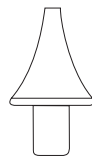
70.645.05



SCHULTZE
70.650.00
complete
salpinograph



70.650.13



70.650.12



70.650.11



SCHROEDER
70.700.01 - 70.700.06
31 cm



fig 1



fig 2



fig 3



fig 4



fig 5



fig 6

fig

1	70.700.01
2	70.700.02
3	70.700.03
4	70.700.04
5	70.700.05
6	70.700.06



fig 1



fig 2



fig 3

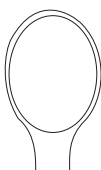


fig 4

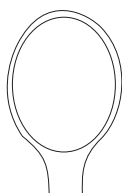


fig 5

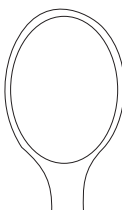


fig 6

fig

1	70.702.01
2	70.702.02
3	70.702.03
4	70.702.04
5	70.702.05
6	70.702.06



SIMON
70.702.01 - 70.702.06
25 cm



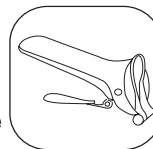
BLAKE
70.704.27
27 cm



sharp



blunt



SIMS

70.710.05 - 70.717.14

28 cm



70.710.05 - 70.717.05

5 mm



70.710.06 - 70.717.06

6 mm



70.710.07 - 70.717.07

7 mm



70.710.08 - 70.717.08

8 mm



70.710.09 - 70.717.09

9 mm



70.710.11 - 70.717.11

11 mm



70.710.12 - 70.717.12

12 mm



70.710.14 - 70.717.14

6 mm

<i>rigid /sharp</i>	<i>rigid /blunt</i>	<i>malleable/sharp</i>	<i>malleable/blunt</i>
70.710.05	70.712.05	70.715.05	70.717.05
70.710.06	70.712.06	70.715.06	70.717.06
70.710.07	70.712.07	70.715.07	70.717.07
70.710.08	70.712.08	70.715.08	70.717.08
70.710.09	70.712.09	70.715.09	70.717.09
70.710.11	70.712.11	70.715.11	70.717.11
70.710.12	70.712.12	70.715.12	70.717.12
70.710.14	70.712.14	70.715.14	70.717.14



SIMS
70.710.05 - 70.717.14
28 cm



70.720.07 - 70.727.07
7 mm



70.720.08 - 70.727.08
8 mm



70.720.09 - 70.727.09
9 mm



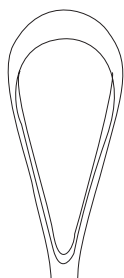
70.720.11 - 70.727.11
11 mm



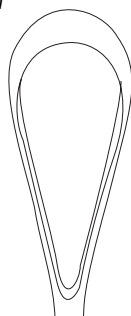
70.720.12 - 70.727.12
12 mm



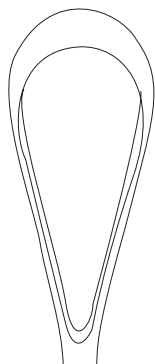
70.720.14 - 70.727.14
14 mm



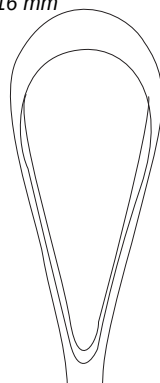
70.720.15 - 70.727.15
15 mm



70.720.16 - 70.727.16
16 mm

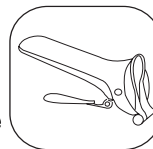


70.720.19 - 70.727.19
19 mm



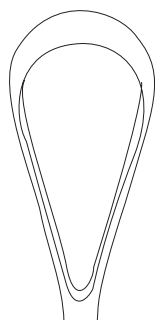
70.720.20 - 70.727.20
20 mm

<i>rigid /sharp</i>	<i>rigid /blunt</i>	<i>malleable/sharp</i>	<i>malleable/blunt</i>
70.720.07	70.722.07	70.725.07	70.727.07
70.720.08	70.722.08	70.725.08	70.727.08
70.720.09	70.722.09	70.725.09	70.727.09
70.720.11	70.722.11	70.725.11	70.727.11
70.720.12	70.722.12	70.725.12	70.727.12
70.720.14	70.722.14	70.725.14	70.727.14
70.720.15	70.722.15	70.725.15	70.727.15
70.720.16	70.722.16	70.725.16	70.727.16
70.720.19	70.722.19	70.725.19	70.727.19
70.720.20	70.722.20	70.725.20	70.727.20

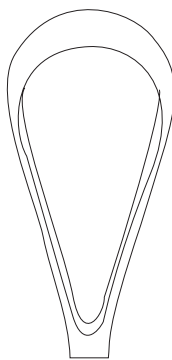


BUMM

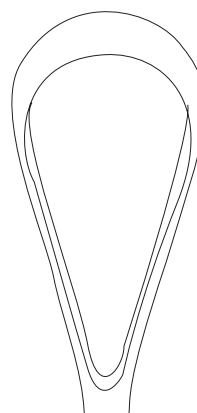
70.730.30 - 70.737.40
28 cm



70.730.30 - 70.737.30
30 mm



70.730.35 - 70.737.35
35 mm



70.730.40 - 70.737.40
40 mm

rigid /sharp	rigid /blunt	malleable/sharp	malleable/blunt
70.730.30	70.732.30	70.735.30	70.737.30
70.730.35	70.732.35	70.735.35	70.737.35
70.730.40	70.732.40	70.735.40	70.737.40



THOMAS

70.741.01 - 70.741.06
malleable
28 cm



70.741.01



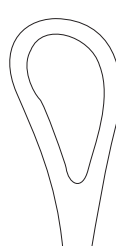
70.741.02



70.741.03



70.741.04

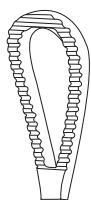


70.741.05

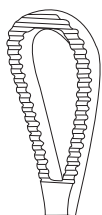


70.741.06

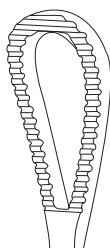




70.743.10
10 mm



70.743.12
12 mm



70.743.14
14 mm

GREENE
70.743.10 - 70.743.14
malleable
28 cm



70.749.03
3.0 mm



70.749.04
4.5 mm

70.749.03 - 70.749.04
28 cm



70.749.06
6.0 mm



70.749.08
8.0 mm



70.749.10
10 mm



70.749.12
12 mm

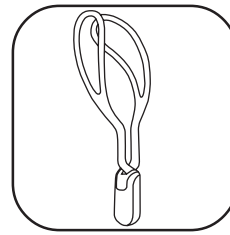


70.749.14
14 mm

70.749.06 - 70.749.14
28 cm

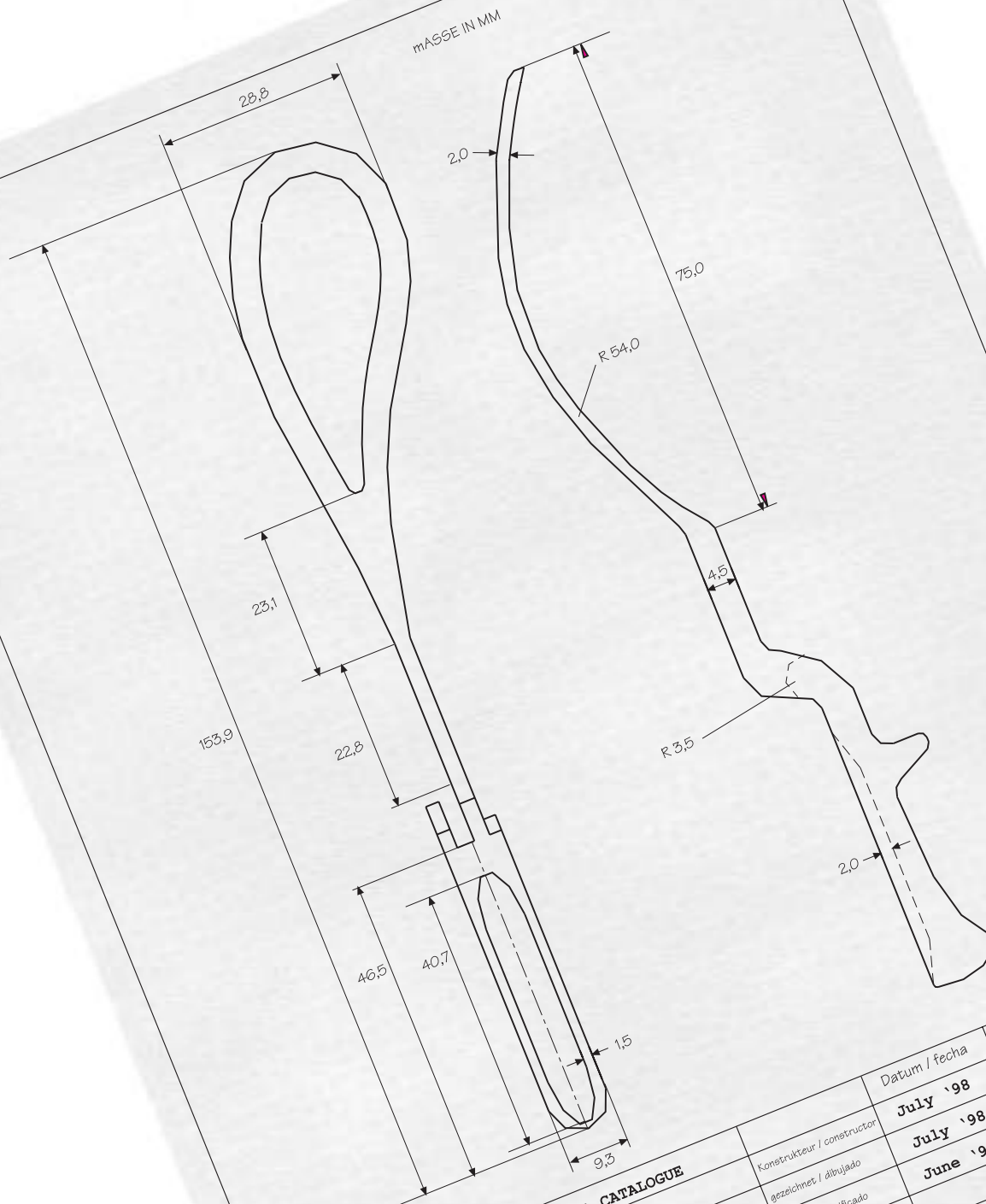


70.749.50
hose connection inside
ø 11 mm
curved
Stainless Steel



72

Obstetrics
Obstetricia
Geburtshilfe



GENERAL CATALOGUE

Konstrukteur / constructor
gezeichnet / dibujado
geprüft / verificado
Toleranz / tolerancia

Datum / fecha
July '98
July '98
June '99

Name / nombre
cvd/jvd
cvd
mj

Plan / plano 1
Maasstab / escala 1:1
Abt. / acot. mm
Artikel / artículo
Artikel-Nr. / No. de articulo





WRIGLEY
72.101.23
28 cm



cm	
30	72.102.30
23	72.103.23

SIMPSON
72.102.30 - 72.103.23



cm	
33	72.105.33
36	72.105.36

SIMPSON BRAUN
72.105.33 - 72.105.36



LEE
72.107.30
30 cm



cm	
36	72.108.36
39	72.108.39

LEE
72.108.36 - 72.108.39



KIELLAND
72.110.41
41 cm



cm	
32	72.115.32
38	72.115.38

ELLIOT
72.115.32 - 72.115.38



cm	
36	72.119.36
40	72.119.40



LUIKART
72.125.40
40 cm



KIELLAND
72.127.40
40 cm



SIMPSON
72.135.36
36 cm



MCLEAN TUCKER LUIKART
72.139.40
40 cm





Mc LEAN TUCKER
72.141.39
39 cm



Mc LEAN LUIKART
72.143.39
39 cm



Mc LEAN
72.145.36
36 cm



BARTON
72.147.36
36 cm



BOERMA
72.151.29
29 cm



PIPER
72.155.44
44 cm



PIPER
72.157.40
40 cm

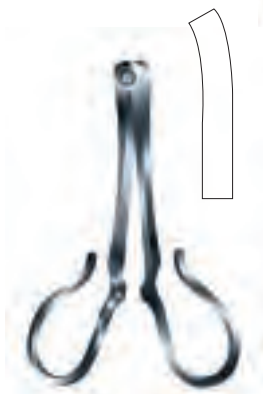


BARTON
72.148.17
17 cm





COLLIN
72.187.09
9 cm



KANE
72.189.09
8.5 cm



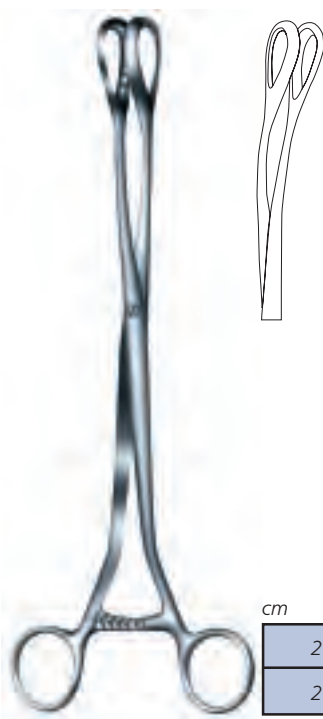
MARTIN
72.191.34
34 cm



COLLYER
72.193.30
30 cm



COLLIN
72.195.35
35 cm

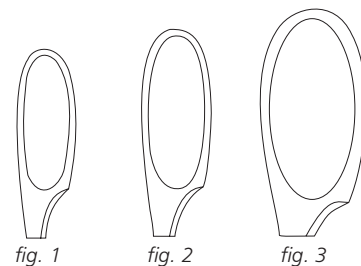


SAENGER
72.242.27 - 72.243.27
27 cm

cm	
27	72.242.27
27	72.243.27



WINTER
72.244.01 - 72.245.03
28 cm



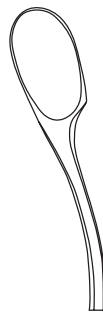
cm		
fig 1	72.244.01	72.245.01
fig 2	72.244.02	72.245.02
fig 3	72.244.03	72.245.03



WINTER
72.247.02 - 72.247.03
28 cm



72.247.02



72.247.03



LEWKOWITZ
72.248.24 - 72.249.24
24.5 cm



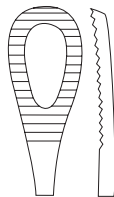
72.248.24



72.249.24



PESTALOZZA
72.252.30
30 cm



CUZZI
72.254.14 - 72.254.21
30 cm



72.254.14



72.254.18



72.254.21



WALLICH
72.256.42
42 cm



SELLHEIM
72.259.28
28 cm



BRAUN
72.302.42
42 cm



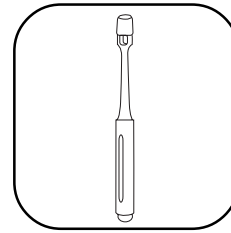
TARNIER
72.304.46
46 cm



SMELLIE
72.306.25
25 cm

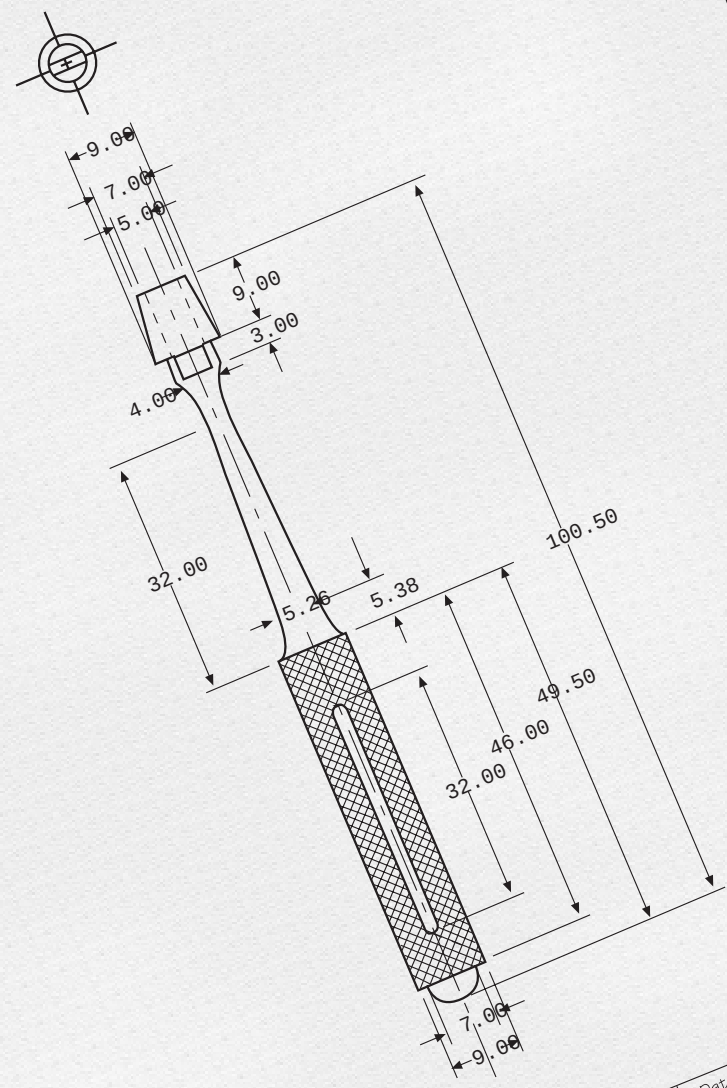


BRAUN
72.309.30
30 cm

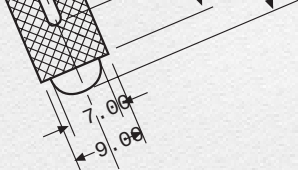


74

Dermatology, Hygiene
Dermatología, Higiene
Dermatologie, Hygiene



GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
		gezeichnet / dibujado	July '98	cvd/jvd	1
		geprüft / verificado	July '98	cvd	Maasstab / escala 1:1
		Toleranz / tolerancia	June '99	mj	Abt. / acot. mm
Stainless Steel		 DEWIMED®			Artikel / artículo
Acero inoxidable					Artikel-Nr. / No. de artículo

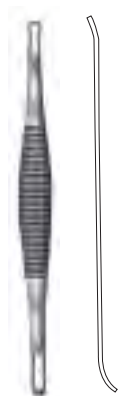


685





KILNER
74.103.15
15 cm



SCHAMBERG
74.111.10
10 cm



UNNA
74.113.14
14 cm



UNNA
74.115.14
14 cm



WALTON
74.118.14
14 cm



SAALFELD
74.121.10
10 cm



FOX
74.128.03 - 74.128.06
14 cm



0.3	74.128.03
0.4	74.128.04
0.5	74.128.05
0.6	74.128.06

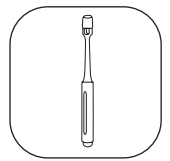


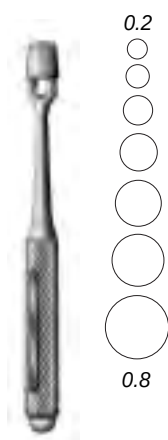
fig.

1	74.130.01
2	74.130.02
3	74.130.03

PIFFARD
74.130.01 - 74.130.03
14.5 cm



KEYES
74.138.00
complet



0.2
0.3
0.4
0.5
0.6
0.7
0.8

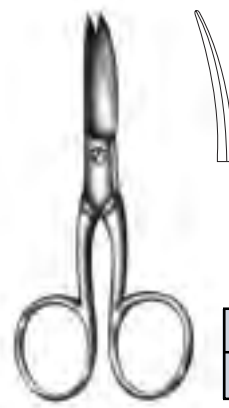
mm

0.2	74.140.02
0.3	74.140.03
0.4	74.140.04
0.5	74.140.05
0.6	74.140.06
0.7	74.140.07
0.8	74.140.08

KEYES
74.140.02 - 74.140.08
10 cm



74.301.10
10 cm



straight	74.304.10
curved	74.305.10

74.304.10 - 74.305.10
10 cm





74.331.14
14 cm



74.336.14
14 cm



TURNBULL
74.341.11 - 74.341.13

cm

11.5	74.341.11
13.5	74.341.13



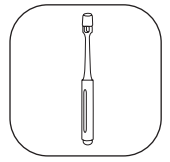
74.360.13
13 cm



74.365.11
11 cm



74.373.10
10 cm



74.378.10 - 74.379.10
10 cm

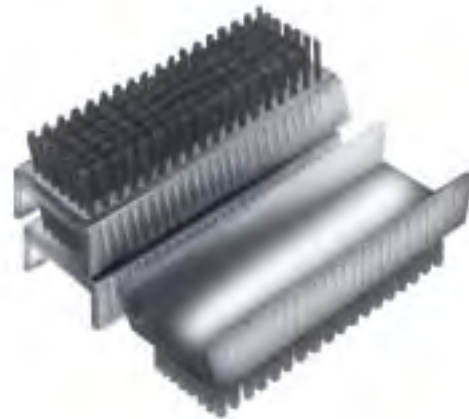


<i>cm</i>	
10	74.386.10
12	74.386.12

74.386.10 - 74.386.12



74.395.14
14.5 cm



74.398.00
1 piece





Rembrandt van Rijn
1632

**The Anatomy Lesson of Dr.
Nicolaes Tulp**

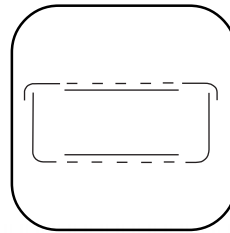
*Posed anatomy lessons were
a popular genre among
surgeons and physicians of
the early 17th century.*

**La Lección de Anatomía del
Dr. Nicolaes Tulp**

*Lecciones de anatomía
posadas era un género muy
común entre cirujanos y
médicos a principios del
siglo XVII.*

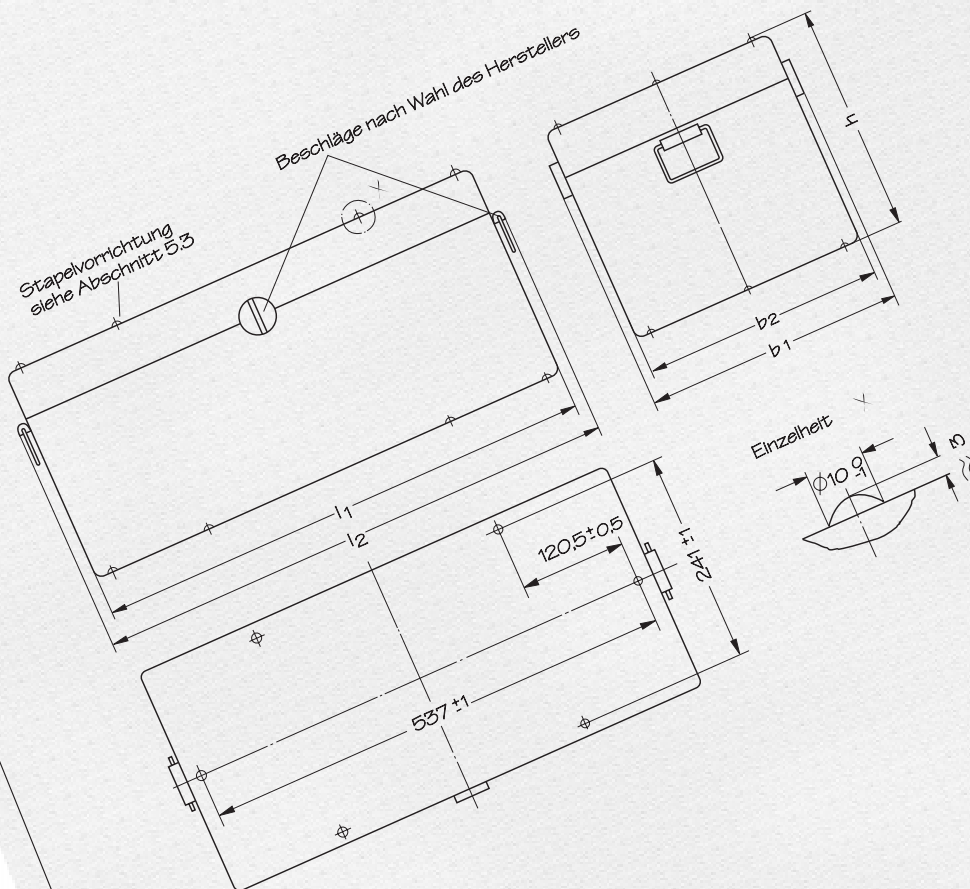
**Anatomielektion von Dr.
Nicolaes Tulp**

*Im 17. Jahrhundert waren
posierte Anatomielektionen
sehr gängig.*



88

Instrument Boxes and Trays
 Contenedores y bandejas
 Behälter und Siebschalen



F	GENERAL CATALOGUE	Konstrukteur / constructor gezeichnet / dibujado geprüft / verificado Toleranz / tolerancia	Datum / fecha July '98 July '98 June '99	Name / nombre cvd/jvd cvd mj	Plan / plano	1
					Maasstab / escala	1:1
					Abt. / acot.	mm
					Artikel / artículo	
	Stainless Steel inoxidable				Artikel-Nr. / No. de artículo	





SAUERBRUCH
88.110.21
210 x 125 x 17 mm



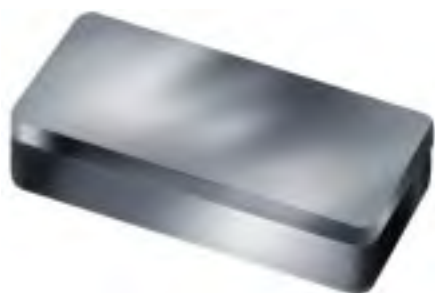
88.114.00
150 x 95 x 13 mm



88.112.65
65 x 15mm



88.113.65



88.120.18 - 88.120.50



88.124.14 - 88.124.30



88.125.10 - 88.125.20



88.130.04 - 88.130.15

mmxmmxmm

180x80x40	88.120.18
200x100x60	88.120.20
220x120x60	88.120.22
250x120x60	88.120.25
300x125x60	88.120.30
320x150x60	88.120.32
400x160x75	88.120.40
500x200x120	88.120.50

mmxmmxmm

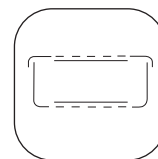
140x80x50	88.124.14
170x120x60	88.124.17
200x60x40	88.124.20
220x100x50	88.124.22
220x140x60	88.124.23
270x170x60	88.124.27
300x180x65	88.124.30

mmxmm

100x100	88.125.10
120x120	88.125.12
150x150	88.125.15
180x180	88.125.18
200x200	88.125.20

ø mm

40	88.130.04
60	88.130.06
80	88.130.08
100	88.130.10
120	88.130.12
150	88.130.15



88.133.16 - 88.138.41

mm	liters	
165 x 60	0.75	88.133.16
175 x 70	1.00	88.133.17
220 x 80	2.00	88.133.22
225 x 90	2.50	88.133.23
240 x 110	3.00	88.133.24
255 x 115	4.00	88.133.25
275 x 115	4.50	88.133.27
290 x 125	6.00	88.133.29
310 x 120	6.00	88.133.31
345 x 125	8.50	88.133.34
380 x 130	11.00	88.133.38
415 x 140	14.00	88.133.41



88.134.10 - 88.134.20

liters	
1.0	88.134.10
1.5	88.134.15
2.0	88.134.20



88.139.17 - 88.139.27

mm	
170 x 35	88.139.17
250 x 35	88.139.25
275 x 35	88.139.27



PETRI
88.141.10
100 x 20mm



88.140.02 - 88.140.20

liters	
0.25	88.140.02
0.5	88.140.05
1.0	88.140.10
1.5	88.140.15
2.0	88.140.20



88.142.01 - 88.142.09

mm	
30 x 90	88.142.01
50 x 100	88.142.02
50 x 130	88.142.03
50 x 175	88.142.04
75 x 100	88.142.05
75 x 130	88.142.06
75 x 175	88.142.07
100 x 175	88.142.08
100 x 200	88.142.09





88.143.25 - 88.143.39

cm

25	88.143.25
32	88.143.32
39	88.143.39



88.144.20 - 88.144.68

mm

200 x 150 x 25	88.144.20
260 x 160 x 30	88.144.26
300 x 220 x 30	88.144.30
350 x 220 x 40	88.144.35
540 x 360 x 25	88.144.54
680 x 450 x 25	88.144.68



88.146.22 - 88.146.42

mm

220 x 170 x 50	88.146.22
280 x 200 x 50	88.146.28
320 x 240 x 50	88.146.32
370 x 270 x 50	88.146.37
420 x 320 x 50	88.146.42



88.147.21 - 88.147.42

mm

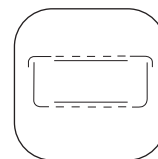
210 x 160 x 10	88.147.21
240 x 180 x 10	88.147.24
310 x 150 x 10	88.147.30
310 x 210 x 10	88.147.31
350 x 240 x 10	88.147.35
400 x 270 x 20	88.147.40
420 x 280 x 10	88.147.42



88.149.05 - 88.149.30

litres

0.5	88.149.05
1.0	88.149.10
2.0	88.149.20
3.0	88.149.30



SCHIMMELBUSCH
88.152.08 - 88.179.59



KONRICH
88.182.08 - 88.209.59

	<i>mm</i>	
88.152.08	125 x 80	88.182.08
88.152.10	125 x 100	88.182.10
88.158.12	125 x 125	88.188.12
88.155.08	150 x 80	88.185.08
88.155.10	150 x 100	88.185.10
88.155.13	150 x 130	88.185.13
88.155.15	150 x 150	88.185.15
88.155.19	150 x 190	88.185.19
88.159.14	190 x 145	88.189.14
88.159.16	190 x 165	88.189.16
88.159.19	190 x 190	88.189.19
88.159.24	190 x 240	88.189.24
88.164.14	240 x 145	88.194.14
88.164.16	240 x 165	88.194.16
88.164.19	240 x 190	88.194.19
88.164.24	240 x 240	88.194.24
88.164.29	240 x 290	88.194.29
88.164.34	240 x 340	88.194.34
88.164.39	240 x 390	88.194.39
88.169.14	290 x 145	88.199.14
88.169.16	290 x 165	88.199.16
88.169.19	290 x 190	88.199.19
88.169.24	290 x 240	88.199.24
88.169.29	290 x 290	88.199.29
88.169.34	290 x 340	88.199.34
88.169.39	290 x 390	88.199.39
88.174.14	340 x 145	88.204.14
88.174.16	340 x 165	88.204.16
88.174.19	340 x 190	88.204.19
88.174.24	340 x 240	88.204.24
88.174.29	340 x 290	88.204.29
88.174.34	340 x 340	88.204.34
88.174.39	340 x 390	88.204.39
88.179.14	390 x 145	88.209.14
88.179.16	390 x 165	88.209.16
88.179.19	390 x 190	88.209.19
88.179.24	390 x 240	88.209.24
88.179.29	390 x 290	88.209.29
88.179.34	390 x 340	88.209.34
88.179.39	390 x 390	88.209.39
88.179.49	390 x 490	88.209.49
88.179.59	390 x 590	88.209.59



Dewimed offers basically two types of containers:

containers with lid perforated and bottom non perforated:

applicable for procedures with large sterilizers:
(DIN 58946, part 6):

fractionated flow method

steam evacuation with saturated steam inflow (> 1 bar),
alternating with pressure drop.

fractionated vacuum method

characteristical for:

1. repeated steam evacuation down to < 130 mbar alternating with steam inflow up to a pressure level below or above the atmospheric pressure.
2. steam inflow until the required sterilization pressure level is reached

steam injection method

characteristical for:

1. only one evacuation down to < 70 mbar with simultaneous minor steam inflow.
2. steam inflow until reached the operation pressure.

containers with lid and bottom perforated:

applicable for any other streilizing procedure:
(DIN 58946, part 6):

gravity method

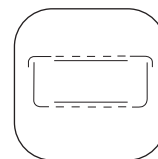
circulation method, in which saturayed steam makes air is to evacuate through saftey valve.

prevacuum method

1. only one evacuation down to = 20 - 70 mbar
2. steam inflow until having reached required sterilization pressur.

description	symbol	system for sterilising DIN 58946 part 1				
		gravity method	pre-vacuum method	fraction-ated vacuum method	fraction-ated flow method	steam injections method
textiles in sterilising container with filter in cover and base, according DIN 58952 part 1		+	+	+	+	+
		0	0	+	+	+
textiles in sterilising container with filter in cover base non perforated, according DIN 58952 part 1		-	-	+	+	+
		-	-	+	+	0
textiles in sterilising container with filter in base cover non perforated, according DIN 58952 part 1		0	+	+	+	+
		-	0	+	+	+
textiles in sterilizing container with valve in cover and base according DIN 58952 part 1		-	0	+	+	0
		-	-	+	+	0
textiles in sterilizing container with valve in cover and base without valve DIN 58952 part 1		-	-	+	+	-
		-	-	+	+	+
instruments on sterilising trays in sterilising container with filter in cover and base, according DIN 58952 part 1		+ ³⁾	+	+	+	+
instruments on sterilising trays in sterilising container with filter in cover: base non perforated, according DIN 58952 part 1		-	+ ²⁾	+ ²⁾	+ ²⁾	+ ²⁾
instruments on sterilising trays in sterilising container with filter in base, according DIN 58952 part 1		0	+	+	+	+

applicable + non applicable - conditionally applicable 0



Dewimed ofrece básicamente dos tipos de contenedores:

contenedores con tapa perforada y fondo no perforado:

éstos contenedores son indicados para el servicio de esterilizadores grandes (DIN 58946, parte 6):

esterilización por circulación fraccionada

consiste en expulsar el aire del contenedor a presión del esterilizador, mediante repetidos golpes con vapor saturado de < 1 bar, seguidos de descarga de presión.

método de vacío fraccionado

se caracteriza por las siguientes fases de operación:

1. evacuación reiterada hasta una presión de < 130 mbar alternánda con entrada de vapor a una presión superior o inferior a la presión atmosférica.
2. introducción de vapor saturado hasta alcanzar la presión necesaria de esterilización

esterilización por inyección de vapor

se caracteriza por:

1. una sola evacuación hasta una presión de < 70 mbar con entrada de poco vapor.
2. introducción de vapor hasta alcanzar la sobrepresión necesaria.

contenedores con tapa perforada y fondo perforado:

éstos contenedores son indicados para demás servicios de esterilizadores (DIN 58946, parte 6):

esterilización por desplazamiento gravitacional

es un procedimiento de circulación, en el cual, por medio de vapor saturado, el aire es desplazado a través de una válvula de escape

esterilización por prevacío

1. una sola evacuación hasta $\approx 20 - 70$ mbar
2. introducción de vapor hasta alcanzar la sobrepresión necesaria.

descripción	símbolo	sistema de esterilización a vapor según DIN 58946 parte 1				
		sistema de gravitación	sistema de prevacío	sistema de prevacío fraccionado	sistema de flujo fraccionado	sistema de inyección de vapor
contenedor con carga textil con filtro en la tapa y en el fondo, según DIN 58952 parte 1		+	+	+	+	+
		0	0	+	+	+
contenedor con carga textil con filtro en la tapa, fondo no perforado, según DIN 58952 parte 1		-	-	+	+	+
		-	-	+	+	0
contenedor con carga textil filtro en el fondo, tapa no perforada, según DIN 58952 parte 1		0	+	+	+	+
		-	0	+	+	+
contenedor con carga textil con válvula en tapa y en fondo, según DIN 58952 parte 1		-	0	+	+	0
		-	-	+	+	0
contenedor con carga textil con válvula en tapa y fondo sin válvula, según DIN 58952 parte 1		-	-	+	+	-
		-	-	+	+	+
instrumental en bandeja según DIN parte 3, en contenedor con filtro en la tapa y en el fondo según DIN 58952 parte 1		+ ³⁾	+	+	+	+
instrumental en bandeja según DIN parte 3, en contenedor con filtro en la tapa, fondo no perforado según DIN 58952 parte 1		-	+ ²⁾	+ ²⁾	+ ²⁾	+ ²⁾
instrumental en bandeja según DIN parte 3, en contenedor con filtro en el fondo según DIN 58952 parte 1		0	+	+	+	+

aplicable +

no aplicable -

limitadamente aplicable 0





Die Steril - Container, die Dewimed bietet, bestehen aus zwei Gruppen:

Container mit gelochtem Deckel und nicht gelochtem Boden:

geeignet für das Verfahren bei Gross - Sterilisatoren (DIN 58946, Teil 6):

Fraktioniertes Strömungsverfahren

besteht aus mehrfachen Stössen mit Sattedampf (> 1 bar), mit jeweils anschliessender Druckentlastungen, um die Luft aus dem Sterilisierdruckbehälter zu verdrängen.

Fraktioniertes Vakuumverfahren

besondere Eigenschaften:

1. mehrfaches wiederholtes Evakuieren bis zu einem Druck < 130 mbar im Wechsel mit Dampfströmung auf einen Druck, der unter oder über dem Atmosphärendruck liegt
2. Dampfeinlassen bis zum Erreichen des notwendigen Sterilisierdrucks

Dampf-injektionsverfahren

ist ein Vakuumverfahren, das durch folgende Phasen gekennzeichnet ist:

1. einmaliges Evakuieren bis zu einem Druck < 70 mbar bei gleichzeitigem Einstrom geringer Dampfmenngen.
2. Dampfeinlassen bis zum Erreichen des Betriebsüberdrucks.

Container mit gelochtem Deckel und gelochtem Boden:

beeignet für sonstige andere Sterilisatoren (DIN 58946):

Gravitationsverfahren

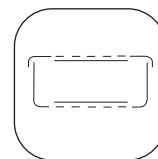
ist ein Strömungsverfahren, bei dem die Luft durch den Sattedampf nach unten über ein Strömungsventil aus dem Sterilisierdruckbehälter verdrängt wird.

Vorvakuumverfahren

Vakuumverfahren, das durch folgende Phasen gekennzeichnet ist:

1. einmaliges Evakuieren bis zu einem Druck = 20 - 70 mbar
2. Dampfeinlassen bis zum Erreichen des notwendigen Sterilisierdrucks

beschreibung	symbolische	Dampf - sterilisationsverfahren nach DIN 58946 teil 1				
		gravitations- verfahren	vorvakuum- verfahren	fraktioniertes vakuum- verfahren	fraktioniertes strömungs- verfahren	dampf- injektions- verfahren
textilien in sterilisierbehälter mit filter im deckel und boden, nach DIN 58952 teil 1		+	+	+	+	+
		0	0	+	+	+
textilien in sterilisierbehälter, mit filter im deckel, boden nicht perforiert, nach DIN 58952 teil 1		-	-	+	+	+
		-	-	+	+	0
textilien in sterilisierbehälter mit filter im boden, deckel nicht perforiert, nach DIN 58952 teil 1		0	+	+	+	+
		-	0	+	+	+
textilien in sterilisierbehälter mit Ventil im Deckel Kein Ventil am Boden nach DIN 58952 teil 1		-	0	+	+	0
		-	-	+	+	0
textilien in sterilisierbehälter mit Ventilen an Deckel und Boden nach DIN 58952 teil 1		-	-	+	+	-
		-	-	+	+	+
instrumente auf sterilisierbechale nach, DIN 58952 teil 3 in sterilisier-behälter mit filter in deckel und boden nach DIN 58952 teil 1		+ ³⁾	+	+	+	+
instrumente auf sterilisierbechale nach, DIN 58952 teil 3 in sterilisier-behälter mit filter in deckel, boden nach perforiert nach DIN 58952 teil 1		-	+ ²⁾	+ ²⁾	+ ²⁾	+ ²⁾
instrumente auf sterilisierbechale nach, DIN 58952 teil 3 in sterilisier-behälter mit filter in boden nach DIN 58952 teil 1		0	+	+	+	+



filters in lid and bottom
 aluminum container lids.



88.303.10 - 88.303.26

cm x cm x cm

30 x 30 x 10	88.303.10
30 x 30 x 15	88.303.15
30 x 30 x 20	88.303.20
30 x 30 x 26	88.303.26

colors - lid

grey
yellow
red
blue
green



88.306.10 - 88.306.26

cm x cm x cm

60 x 30 x 10	88.306.10
60 x 30 x 15	88.306.15
60 x 30 x 20	88.306.20
60 x 30 x 26	88.306.26



88.329.30 - 88.330.30

filter cm

textile	30 x 30	88.329.30
paper	30 x 30	88.330.30



88.329.60 - 88.330.60

filter cm

textile	60 x 30	88.329.60
paper	60 x 30	88.330.60



88.319.00
 seal for sterilization
 containers
 1000 pieces





stainless steel 18/10
filters in lid and bottom



88.304.10 - 88.304.26

cm x cm x cm

30 x 30 x 10	88.304.10
30 x 30 x 15	88.304.15
30 x 30 x 20	88.304.20
30 x 30 x 26	88.304.26



88.307.10 - 88.307.26

cm x cm x cm

60 x 30 x 10	88.307.10
60 x 30 x 15	88.307.15
60 x 30 x 20	88.307.20
60 x 30 x 26	88.307.26



88.329.30 - 88.330.30

filter cm

textile	30 x 30	88.329.30
paper	30 x 30	88.330.30



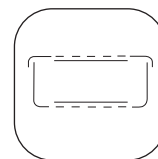
88.329.60 - 88.330.60

filter cm

textile	60 x 30	88.329.60
paper	60 x 30	88.330.60



88.319.00
seal for sterilization
containers
1000 pieces



stainless steel filter protected
 in the lid bottom
 non-perforated



88.305.10 - 88.305.26

cm x cm x cm

30 x 30 x 10	88.305.10
30 x 30 x 15	88.305.15
30 x 30 x 20	88.305.20
30 x 30 x 26	88.305.26



88.308.10 - 88.308.26

cm x cm x cm

60 x 30 x 10	88.308.10
60 x 30 x 15	88.308.15
60 x 30 x 20	88.308.20
60 x 30 x 26	88.308.26



88.329.30 - 88.330.30

filter cm

textile	30 x 30	88.329.30
paper	30 x 30	88.330.30



88.329.60 - 88.330.60

filter cm

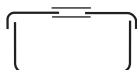
textile	60 x 30	88.329.60
paper	60 x 30	88.330.60



88.319.00

seal for sterilization
 containers
 1000 pieces





*aluminum anodized
valve(s) in the lid bottom
non-perforated*



88.313.10 - 88.313.26

cm x cm x cm

30 x 30 x 10	88.313.10
30 x 30 x 15	88.313.15
30 x 30 x 20	88.313.20
30 x 30 x 26	88.313.26

colors - valve

<i>grey</i>
<i>yellow</i>
<i>red</i>
<i>blue</i>
<i>green</i>



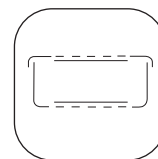
88.316.10 - 88.316.26

cm x cm x cm

60 x 30 x 10	88.316.10
60 x 30 x 15	88.316.15
60 x 30 x 20	88.316.20
60 x 30 x 26	88.316.26



88.319.00
*seal for sterilization
containers
1000 pieces*



88.321.01
simple
88.321.02
double



88.329.30
 30 x 30 cm
textile filter lasting



88.329.60
 60 x 30 cm
textile filter lasting



88.322.01
identification labels
aluminium neutral
88.322.02
identification labels
aluminium engraved



88.322.99
label indicator letter



88.340.01 - 88.350.01

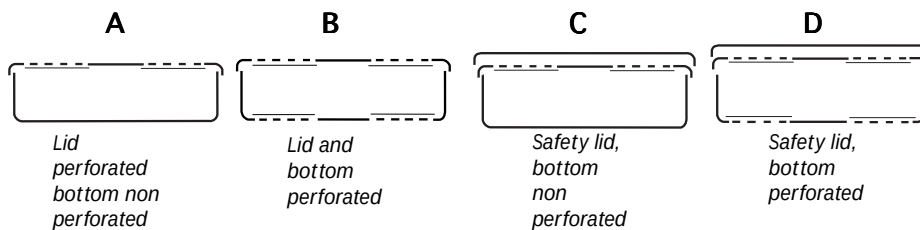
cm	
40.2 x 15.8 x 11.2	88.340.01
40.2 x 15.8 x 5.2	88.340.02
39.2 x 13.8 x 7.7	88.342.01
39.2 x 13.8 x 3.2	88.342.02
19.8 x 14.1 x 4.0	88.344.01
30.2 x 15.8 x 11.2	88.346.01
30.2 x 15.8 x 5.2	88.346.02
33.2 x 11.8 x 6.7	88.348.01
33.2 x 11.8 x 2.7	88.348.02
162 x 118 x 27	88.350.01



88.510.10 - 88.553.26

Dewimed
Container
System
Full size

88.510.10 - 88.553.10
58 x 28 x 10 cm



color lid	A	B	C	D
grey	88.510.10	88.511.10	88.512.10	88.513.10
yellow	88.520.10	88.521.10	88.522.10	88.523.10
red	88.530.10	88.531.10	88.532.10	88.533.10
blue	88.540.10	88.541.10	88.542.10	88.543.10
green	88.550.10	88.551.10	88.552.10	88.553.10

88.510.13 - 88.553.13
58 x 28 x 13.5 cm

grey	88.510.13	88.511.13	88.512.13	88.513.13
yellow	88.520.13	88.521.13	88.522.13	88.523.13
red	88.530.13	88.531.13	88.532.13	88.533.13
blue	88.540.13	88.541.13	88.542.13	88.543.13
green	88.550.13	88.551.13	88.552.13	88.553.13

88.510.15 - 88.553.15
58 x 28 x 15 cm

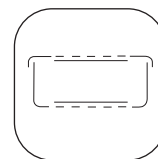
grey	88.510.15	88.511.15	88.512.15	88.513.15
yellow	88.520.15	88.521.15	88.522.15	88.523.15
red	88.530.15	88.531.15	88.532.15	88.533.15
blue	88.540.15	88.541.15	88.542.15	88.543.15
green	88.550.15	88.551.15	88.552.15	88.553.15

88.510.20 - 88.553.20
58 x 28 x 20 cm

grey	88.510.20	88.511.20	88.512.20	88.513.20
yellow	88.520.20	88.521.20	88.522.20	88.523.20
red	88.530.20	88.531.20	88.532.20	88.533.20
blue	88.540.20	88.541.20	88.542.20	88.543.20
green	88.550.20	88.551.20	88.552.20	88.553.20

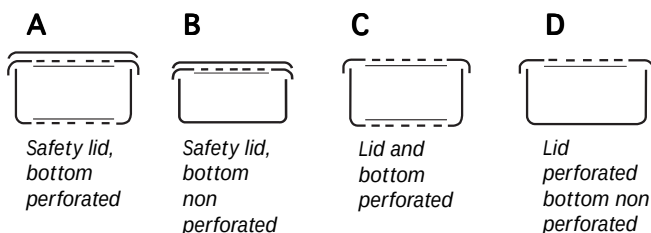
88.510.26 - 88.553.26
58 x 28 x 25 cm

grey	88.510.26	88.511.26	88.512.26	88.513.26
yellow	88.520.26	88.521.26	88.522.26	88.523.26
red	88.530.26	88.531.26	88.532.26	88.533.26
blue	88.540.26	88.541.26	88.542.26	88.543.26
green	88.550.26	88.551.26	88.552.26	88.553.26



88.613.10 - 88.653.26

Dewimed
Container
System
Half size



88.613.10 - 88.650.10
28.5 x 28 x 10 cm

color lid	A	B	C	D
grey	88.613.10	88.612.10	88.611.10	88.610.10
yellow	88.623.10	88.622.10	88.621.10	88.620.10
red	88.633.10	88.632.10	88.631.10	88.630.10
blue	88.643.10	88.642.10	88.641.10	88.640.10
green	88.653.10	88.652.10	88.651.10	88.650.10

88.613.13 - 88.650.13
28.5 x 28 x 13.5 cm

grey	88.613.13	88.612.13	88.611.13	88.610.13
yellow	88.623.13	88.622.13	88.621.13	88.620.13
red	88.633.13	88.632.13	88.631.13	88.630.13
blue	88.643.13	88.642.13	88.641.13	88.640.13
green	88.653.13	88.652.13	88.651.13	88.650.13

88.613.15 - 88.650.15
28.5 x 28 x 15 cm

grey	88.613.15	88.612.15	88.611.15	88.610.15
yellow	88.623.15	88.622.15	88.621.15	88.620.15
red	88.633.15	88.632.15	88.631.15	88.630.15
blue	88.643.15	88.642.15	88.641.15	88.640.15
green	88.653.15	88.652.15	88.651.15	88.650.15

88.613.20 - 88.650.20
28.5 x 28 x 20 cm

grey	88.613.20	88.612.20	88.611.20	88.610.20
yellow	88.623.20	88.622.20	88.621.20	88.620.20
red	88.633.20	88.632.20	88.631.20	88.630.20
blue	88.643.20	88.642.20	88.641.20	88.640.20
green	88.653.20	88.652.20	88.651.20	88.650.20

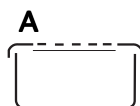
88.613.26 - 88.650.26
28.5 x 28 x 25 cm

grey	88.613.26	88.612.26	88.611.26	88.610.26
yellow	88.623.26	88.622.26	88.621.26	88.620.26
red	88.633.26	88.632.26	88.631.26	88.630.26
blue	88.643.26	88.642.26	88.641.26	88.640.26
green	88.653.26	88.652.26	88.651.26	88.650.26





88.610.05 - 88.650.05
28.5 x 28 x 5.5 cm



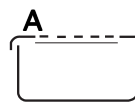
*Lid
perforated
bottom non
perforated*

color lid

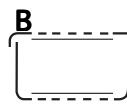
A	
grey	88.610.05
yellow	88.620.05
red	88.630.05
blue	88.640.05
green	88.650.05



88.610.08 - 88.651.08
28.5 x 28 x 8.5 cm



*Lid
perforated
bottom non
perforated*



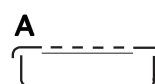
*Lid and
bottom
perforated*

color lid

A	B
grey	88.610.08 88.611.08
yellow	88.620.08 88.621.08
red	88.630.08 88.631.08
blue	88.640.08 88.641.08
green	88.650.08 88.651.08



small containers
88.660.04 - 88.681.07



*Lid
perforated
bottom non
perforated*



*Lid and
bottom
perforated*

88.660.04 - 88.680.04
30 x 14 x 4 cm

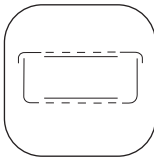
color lid

A	B
grey	88.660.04 88.661.04
yellow	88.665.04 88.666.04
red	88.670.04 88.671.04
blue	88.675.04 88.676.04
green	88.680.04 88.681.04

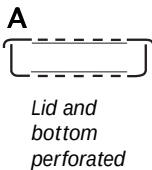
88.660.07 - 88.681.07
30 x 14 x 7 cm

color lid

A	B
grey	88.660.07 88.661.07
yellow	88.665.07 88.666.07
red	88.670.07 88.671.07
blue	88.675.07 88.676.07
green	88.680.07 88.681.07



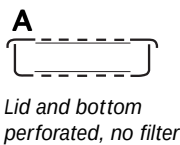
88.690.04 - 88.690.13



cm	A
31 x 19 x 4.0	88.690.04
31 x 19 x 6.5	88.690.06
31 x 19 x 13.0	88.690.13



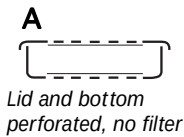
small container
88.690.65 - 88.694.65
30 x 13.8 x 6.5 cm



color	A
grey	88.690.65
yellow	88.691.65
red	88.692.65
blue	88.693.65
green	88.694.65



small container
88.690.70 - 88.694.70
50 x 15.5 x 7.5 cm



color	A
grey	88.690.70
yellow	88.691.70
red	88.692.70
blue	88.693.70
green	88.694.70





88.250.26 - 88.250.48

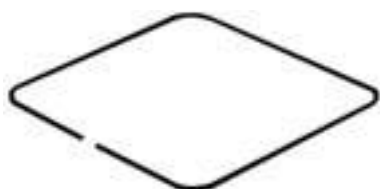
mm

260 x 260 x 50	88.250.26
480 x 260 x 50	88.250.48



88.250.53

505 x 305 x 40 mm



88.695.00

255 x 255mm

88.695.10

270 x 245mm



88.595.00

540 x 255 mm



88.590.03 - 88.591.10

mm

485 x 255 x 30	88.590.03
485 x 255 x 50	88.590.05
485 x 255 x 70	88.590.07
485 x 255 x 100	88.590.10

mm

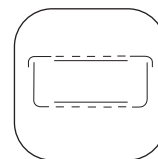
540 x 255 x 30	88.591.03
540 x 255 x 50	88.591.05
540 x 255 x 70	88.591.07
540 x 255 x 100	88.591.10



88.690.03 - 88.690.10

mm

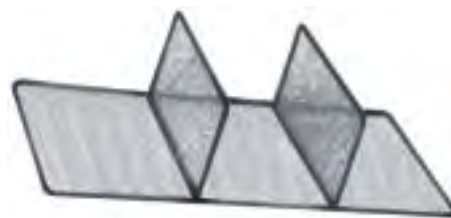
255x245x30	88.690.03
255x245x50	88.690.05
255x245x70	88.690.07
255x245x100	88.690.10



88.597.13 - 88.597.23

cm

51 x 25 x 13	88.597.13
51 x 25 x 18	88.597.18
51 x 25 x 23	88.597.23



88.598.13 - 88.598.23

cm

51 x 25 x 13	88.598.13
51 x 25 x 18	88.598.18
51 x 25 x 23	88.598.23



88.699.13 - 88.699.23

cm

25.5 x 24.5 x 13	88.699.13
25.5 x 24.5 x 18	88.699.18
25.5 x 24.5 x 23	88.699.23





88.700.00 - 88.700.01

filter

<i>disposable paper</i>	<i>100 pieces</i>	88.700.00
<i>textile</i>	<i>single</i>	88.700.01



88.700.02 - 88.700.03

for small size containers

filter

<i>disposable paper</i>	<i>100 pieces</i>	88.700.02
<i>textile</i>	<i>single</i>	88.700.03



88.700.04 - 88.700.05

for special set containers

filter

<i>disposable paper</i>	<i>100 pieces</i>	88.700.04
<i>textile</i>	<i>single</i>	88.700.05



88.710.02

*paper label with indicator, large
100 pieces package*



88.710.10

*seal for sterilization containers
100 pieces package*



88.710.20 - 88.710.28

identification labels, max. 12 figures

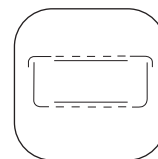
color

<i>grey</i>	88.710.20
<i>yellow</i>	88.710.22
<i>red</i>	88.710.24
<i>blue</i>	88.710.26
<i>green</i>	88.710.28



88.710.04

*paper label with indicator, small
100 pieces package*



88.710.30
dispencer for identification labels



88.321.01
simple
88.321.02
double



88.720.00
holding pin for instrument



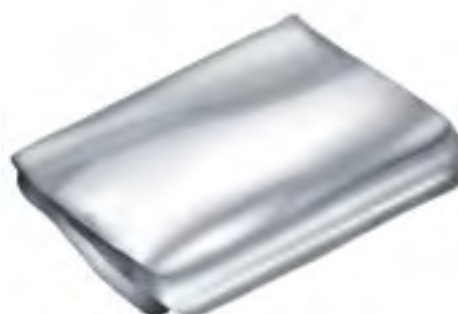
88.720.01
holding pin with is lot for partition sheets



88.720.05 - 88.720.46
partition sheets

mm

50 x 20	88.720.05
130 x 20	88.720.13
225 x 20	88.720.22
460 x 20	88.720.46



88.260.04 - 88.260.16
wrapping drapes

mm

40 x 60	88.260.04
100 x 100	88.260.10
100 x 130	88.260.13
100 x 160	88.260.16





88.591.30
Vasectomy set sterilizer tray



88.267.00 - 88.267.08
6.5 mm x 7.6 m

colors

white	88.267.00
blue	88.267.01
green	88.267.02
red	88.267.03
yellow	88.267.04
violet	88.267.05
orange	88.267.06
brown	88.267.07
black	88.267.08



88.268.40
400ml



88.402.08 - 88.402.25
16 cm

ø mm

0.8	88.402.08
1.0	88.402.10
1.2	88.402.12
1.4	88.402.14
1.5	88.402.15
1.6	88.402.16
2.0	88.402.20
2.2	88.402.22
2.5	88.402.25

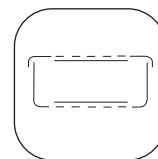


88.404.08 - 88.404.25
31 cm

ø mm

0.8	88.404.08
1.0	88.404.10
1.2	88.404.12
1.4	88.404.14
1.5	88.404.15
1.6	88.404.16
2.0	88.404.20
2.2	88.404.22
2.5	88.404.25

88.269.05
PREP LUBE
instrumental milk 5 l.



MICROSTERIL

88.900.10 - 88.900.22

outer construction made of painted steel.

inner construction made of stainless steel.

heat insulated with fiberglass.

thermoregulator at 240° °C.

timer 0" + 30" sec. (art. 88.900.12 - 88.900.22).

220V. - 50 Hz.

size

small	with clock	88.900.10
small	with out clock	88.900.12
large	with clock	88.900.20
large	with out clock	88.900.22

MICROSTERIL

88.900.15

beads for sterilization

(pack)





RUDOLF LUDWIG VIRCHOW

1821 - 1902

Nacido el 13 de Octubre de 1821 en Schivelbein, Pomeriana y muerto el 5 de Septiembre de 1902 en Berlín, Virchow es reconocido como uno de los "Padres de la Medicina" y fundador de la patología celular. Con su frase "omnis cellula e cellula" (toda célula únicamente puede surgir a través de otra célula), estableció principios en la medicina. Según sus principios no puede enfermarse todo el cuerpo, sino únicamente un grupo de células. De esta manera objetivizó el concepto enfermedad. Para comprobar lo arriba mencionado tuvo que hacer trabajos científicos muy laboriosos.



Born on the 13th of October 1821 in Schivelbein, Pomeriana and died on the 5th of September 1902 in Berlin, Virchow is considered as one of the "Fathers of Medicine" and founder of the cellular pathology.

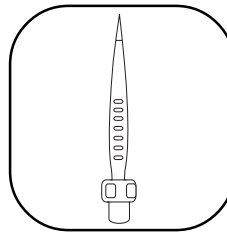
With his phrase "omnis cellula e cellula" (a cell can only arise through another cell), he established principles of medicine. He assured that it is not the whole body that falls ill, but a group of cells. This way he objectified the concept of illness. In order to prove the above mentioned, he had to do laborious scientific work.

Geboren am 13. Oktober 1821 in Schivelbein, Pommern, und gestorben am 5. September 1902 in Berlin gilt Virchow als "Papst der Medizin" und Begründer der Zellpathologie. Mit dem Satz "omnis cellula e cellula

(jede Zede kann nur aus einer anderen Zelle entstehen) setzte er einen Grundstein in der Medizin.

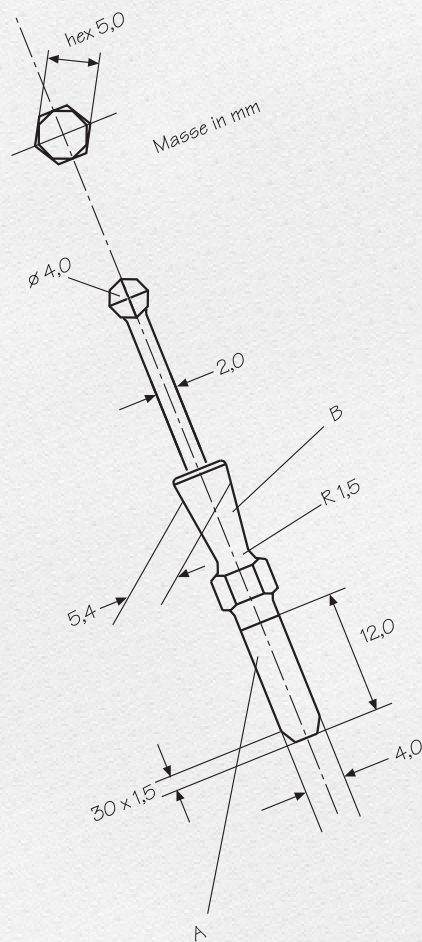
Nach seiner Aussage kann nicht der ganze Körper erkranken, sondern nur einzelne Zellen oder Zellgruppen. Somit objektiverte er den Begriff Krankheit.

Um dieses zu beweisen, mußte er mühsame systematische Forschungsarbeit leisten.



90

HF Surgery (Diathermy)
Cirugía de Alta Frecuencia
Hochfrequenzchirurgie



GENERAL CATALOGUE		Konstrukteur / constructor	Datum / fecha	Name / nombre	Plan / plano
F		gezeichnet / dibujado	July '98	cvd/jvd	1
		geprüft / verificado	July '98	cvd	Maasstab / escala 1:1
		Toleranz / tolerancia	June '99	mj	Abt. / acot. mm
Stainless Steel		 DEWIMED®			
Acero inoxidable					
		Artikel-Nr. / No. de artículo			

715





90.010.01



90.010.02
45°



90.010.03
120°



90.010.11
ø 3 mm



90.010.12
ø 5 mm



90.010.13
ø 8 mm



90.010.14



90.010.15
7.0 x 1.5 mm
45°



90.010.16
7 mm
45°



90.010.17
6.0 x 1.3 mm



90.010.18
7.0 x 7.1 mm
30°



90.010.21
7.0 x 1.7 mm



90.010.31



90.010.33
ø 0.6 mm
45°



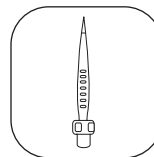
90.010.34
ø 1.7 mm
45°



90.010.35
ø 3.0 mm
45°



90.010.36
92°



90.011.51
ø 03 mm
45°



90.011.52
7.0 x 1.7 mm
45°



90.011.53
45°



90.011.54



90.011.55



90.011.56
ø 5 mm
45°



90.011.61
45°



90.011.62
90° shaft
ø 4 mm



90.020.01
shaft
ø 4 mm
25 mm



90.020.02
shaft
ø 4 mm
20 mm



90.020.03 - 90.020.07
20 mm

ø mm

3.4 x 24	straight	90.020.03
1.5 x 17	straight	90.020.06
1.5 x 17	curved	90.020.07



90.020.04 - 90.020.12
25 mm

ø mm

0.8 x 22	straight	90.020.04
0.8 x 20	curved	90.020.05
1 x 29	straight	90.020.12





ø mm

5	90.022.05
6	90.022.06
10	90.022.10
12	90.022.12
16	90.022.16
20	90.022.20

90.022.05 - 90.022.20



ø mm

10	90.024.10
12	90.024.12
15	90.024.15
16	90.024.16
20	90.024.20

90.024.10 - 90.024.20



ø mm

2	90.030.02
4	90.030.04
6	90.030.06

90.030.02 - 90.030.06



ø mm

2	straight	90.030.12
2	curved	90.030.13
4	straight	90.030.14
4	curved	90.030.15
6	straight	90.030.16

90.030.12 - 90.030.16

90.031.01

electrode set large

90.031.02

electrode set small

90.905.09

*instrument set for general surgery
consist 8 electrodes, electrode support*

90.905.10

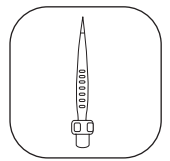
*instrument set for veterinary surgery
consist 8 electrodes, electrode support*



90.905.08

90.905.12 - 90.905.14
shaft ø 4 mm

<i>For 8 electrodes with shaft of ø 4 mm</i>	90.905.12
<i>For 16 electrodes with shaft of ø 4 mm</i>	90.905.14



90.102.11
11 cm



90.104.11
11 cm



90.105.11
11 cm



90.109.11
11 cm
45°



90.113.11
11 cm
45°



90.115.11
11 cm
45°



90.122.16
16.5 cm



90.123.16
16.5 cm



90.124.16
16.5 cm
tip 1 mm



90.125.16
16.5 cm



90.127.16
16.5 cm
tip 1 mm





90.135.16
16.5 cm



90.139.16
16.5 cm



90.142.16
16.5 cm



90.144.16
16.5 cm



90.146.16
16.5 cm
tip 1 mm



90.152.19
19.5 cm



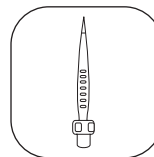
90.154.19
19.5 cm
1 mm



90.157.19 - 90.159.19
19.5 cm

tip mm

1	90.157.19
2	90.159.19



90.162.19
19.5 cm



90.164.19
19.5 cm

tip mm	
1	90.164.19
2	90.166.19



90.167.19
19.5 cm
tip 1 mm



90.169.19
19.5 cm
tip 1 mm



90.172.03 - 90.172.12
22.5 cm

tip mm	
0.3	90.172.03
0.7	90.172.07
1.2	90.172.12



m

3	90.190.30
5	90.190.50

90.190.30 - 90.190.50



90.191.30
3 m



m

3	90.192.30
5	90.192.50

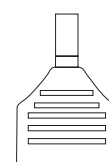
90.192.30 - 90.192.50



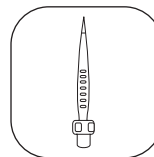
m

3	90.193.30
5	90.193.50

90.193.30 - 90.193.50



90.194.32
adapter



McPHERSON
90.300.07 - 90.313.07
7 cm

<i>tip</i>	0.25 mm	0.45 mm	0.25 mm	0.45 mm
	90.300.07	90.302.07	90.301.07	90.303.07
	90.310.07	90.312.07	90.311.07	90.313.07



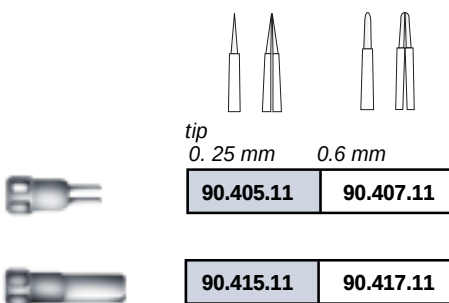
90.400.11 - 90.413.11
11 cm

<i>tip</i>	0.25 mm	0.6 mm	0.25 mm	0.6 mm
	90.400.11	90.402.11	90.401.11	90.403.11
	90.410.11	90.412.11	90.411.11	90.413.11





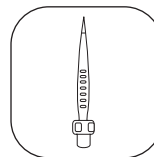
90.405.11 - 90.413.11
11 cm



90.500.15 - 90.515.24

cm	tip 0.3 mm	1 mm	2 mm	0.3 mm	1 mm	2 mm
15	90.500.15	90.502.15	90.504.15	90.501.15	90.503.15	90.505.15
18	90.500.18	90.502.18	90.504.18	90.501.18	90.503.18	90.505.18
20	90.500.20	90.502.20	90.504.20	90.501.20	90.503.20	90.505.20
22	90.500.22	90.502.22	90.504.22	90.501.22	90.503.22	90.505.22
24	90.500.24	90.502.24	90.504.24	90.501.24	90.503.24	90.505.24

15	90.510.15	90.512.15	90.514.15	90.511.15	90.513.15	90.515.15
18	90.510.18	90.512.18	90.514.18	90.511.18	90.513.18	90.515.18
20	90.510.20	90.512.20	90.514.20	90.511.20	90.513.20	90.515.20
22	90.510.22	90.512.22	90.514.22	90.511.22	90.513.22	90.515.22
24	90.510.24	90.512.24	90.514.24	90.511.24	90.513.24	90.515.24



cm	tip 0.3 mm	1 mm	2 mm
18	90.600.18	90.602.18	90.604.18
20	90.600.20	90.602.20	90.604.20
22	90.600.22	90.602.22	90.604.22
24	90.600.24	90.602.24	90.604.24

18	90.610.18	90.612.18	90.614.18
20	90.610.20	90.612.20	90.614.20
22	90.610.22	90.612.22	90.614.22
24	90.610.24	90.612.24	90.614.24



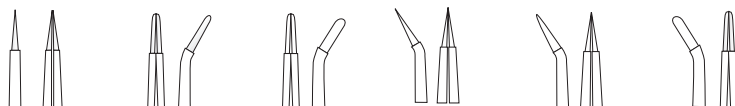
90.600.18 - 90.614.20



90.601.18 - 90.615.20



90.701.18 - 90.715.20



cm	tip 0.3 mm	1 mm	2 mm	0.3 mm	1 mm	2 mm
18	90.601.18	90.603.18	90.605.18	90.701.18	90.703.18	90.705.18
20	90.601.20	90.603.20	90.605.20	90.701.20	90.703.20	90.705.20
22	90.601.22	90.603.22	90.605.22	90.701.22	90.703.22	90.705.22
24	90.601.24	90.603.24	90.605.24	90.701.24	90.703.24	90.705.24



18	90.611.18	90.613.18	90.615.18	90.711.18	90.713.18	90.715.18
20	90.611.20	90.613.20	90.615.20	90.711.20	90.713.20	90.715.20
22	90.611.22	90.613.22	90.615.22	90.711.22	90.713.22	90.715.22
24	90.611.24	90.613.24	90.615.24	90.711.24	90.713.24	90.715.24

90.601.18 - 90.715.24





90.904.01
dust cover for minicutters

90.900.00 - 90.901.00

90.900.00	70 W monopolar	60 W bipolar	115 / 230 V - 50/60 Hz
90.901.00	70 W monopolar	60 W bipolar	127 V - 60 Hz



90.905.01
electrode handle with a finger switch
and connection cable of 4 m.



90.905.02
electrode handle without switch with
connection cable of 4 m.



90.905.03
rubber neutral electrode



90.905.04 - 90.905.06

m

0.5	90.905.04
1.0	90.905.05
bottom	90.905.06



90.601.01
bipolar foot switch

DAM Medical



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General Catalogue

00.011.00/99



General Catalogue
 Catálogo General
 Generalkatalog

