

NEW EDITION



SURGICAL

INSTRUMENTS

High Quality Instruments

Manufacturers & Exporters Of Surgical, Dental & Beauty Instruments

ARSA

ENTERPRISES

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ABOUT US

ARSA ENTERPRISES

Delivering the promise of
Responsibility

Because we know saving lives is a tough job

INTRODUCTION

ARSA ENTERPRISES is proud to present our range of premium quality Surgical instruments. We have been dedicated in manufacturing of elite grade surgical instruments since the company was founded back in 1985.

ARSA ENTERPRISES uses only premium-grade, surgical stainless steel in the manufacturing of all our Surgical instruments. ARSA is ISO 9001, FDA and CE marking certified. The winning formula of a devoted workforce, modernisation, and a strict Quality Control standard is rigorously advanced at ARSA

Our company originally was involved in high end Surgical instruments. As the demand for high end quality instruments arose we put together a team of highly skilled craftsman with experience and attention to detail our quality standards had reached and exceeded some of the best factories overseas.

In today's world of mass production and reducing costs, quality is often sacrificed. Our goal is to provide the highest quality that only skilled craftsmanship can produce using the very best of materials. We strive to be at the cutting edge of design and comfort guided by the excellent feedback provided by you, our customers. The result is a range of premium quality Surgical Tools.

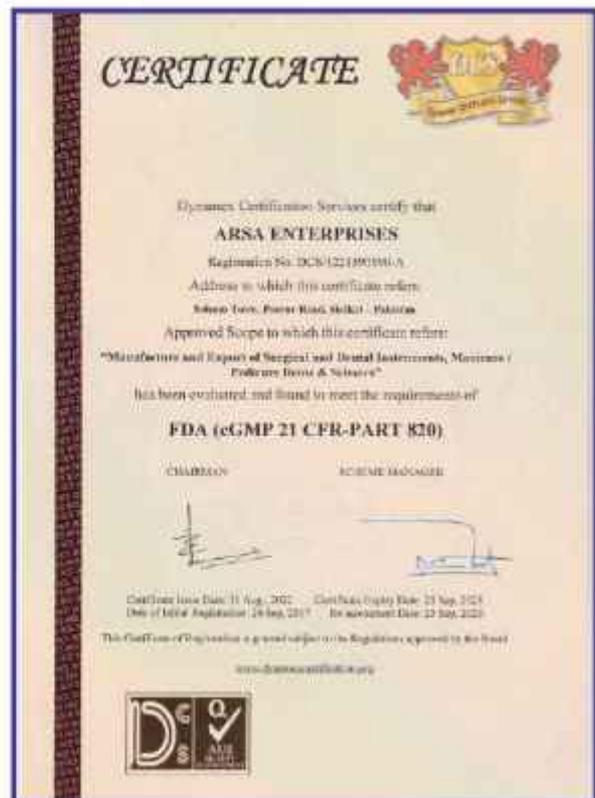
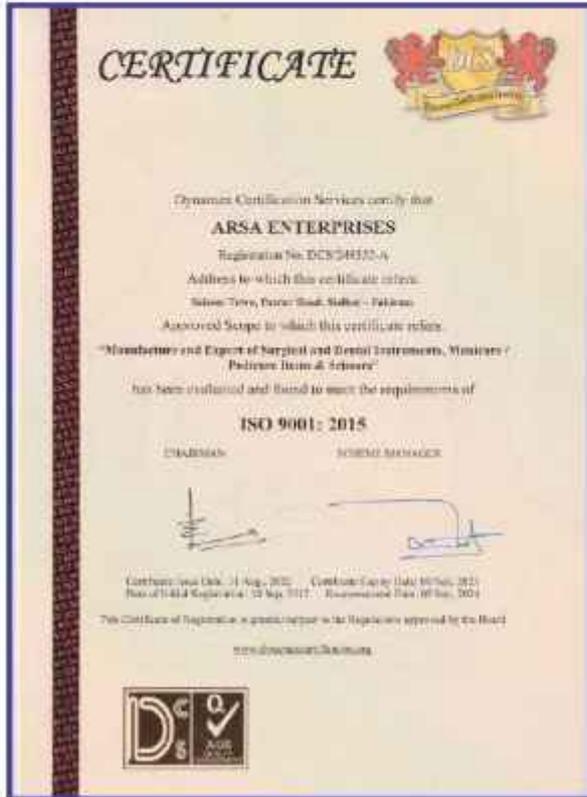
About ARSA,

Here, at ARSA, our Slogan is "Where Quality Costs Less" as we believe that we can offer the best quality instruments within your budget. If you demand the highest quality in Surgical tools we are here to satisfy and exceed those demands. All of our instruments are made from the highest quality of premium stainless steel and cobalt materials available. In addition, we are also offering Titanium MRI-safe Surgical instruments. All of our Instruments come with an extended warranty against any manufacture or material defects. Discover for yourself why those who demand the best choose the best, ARSA.

Certifications

Arsa is Certified under ISO 9001, ISO 13485 which is Quality Management System for Medical Device Manufacturing. We are also approved under FDA (USA).

CERTIFICATION



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01

ARSA
ENTERPRISES

DIAGNOSTICS, ANAESTHESIA



**INTEGRATED FLEXIBLE LARYNGOSCOPE (FIBER OPTIC)
cold light guide**

**Reuseable
LARYNGOSCOPE**



LED/HALOGEN BULB

01-1001

303/304 SURGICAL Stainless Steel
Smooth edges, Rounded Tip and high Quality Surface Finish
Large Fiber Bundles Offers More Light No Black Marks
Fully Autoclavable and Easier to Clean
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1001	1	72
01-1002	2	88
01-1003	3	112
01-1004	4	134

**FLEXIBLE INTERCHANGEABLE LARYNGOSCOPE (FIBER OPTIC)
cold light guide**

**Reusable
LARYNGOSCOPE**



01-1005

303/304 SURGICAL Stainless Steel
Smooth edges. Rounded Tip and high Quality Surface Finish
Removable Light Guides Design Allow Easier Cleaning and Extends Blade Life
Provides With 4mm Fiber Optic Bundles for light Pass Gives True Tissue Color
Satin finish.

MACINTOSH	Fig	Working Length(mm)
01-1005	1	80
01-1006	2	92
01-1007	3	116
01-1008	4	135

**MACINTOSH FLEXIBLE FIX TUBE (FIBER OPTIC)
cold light guide**

**Reuseable
LARYNGOSCOPE**



LED/HALOGEN BULB

01-1009

303/304 SURGICAL Stainless Steel
Smooth edges, Rounded Tip and high Quality Surface Finish
Provides With 3mm Fiber Optic Offers No Black Marks
Fully Autoclavable and Easier to Clean
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1009	1	70
01-1010	2	88
01-1011	3	112
01-1012	4	134

CONVENTIONAL FLEXIBLE



LED/HALOGEN BULB

01-1013

303/304 SURGICAL Stainless Steel
Smooth edges. Rounded Tip and high Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support Supplied with LED or Halogen Bulb
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1013	2	92
01-1014	3	113
01-1015	4	135
01-1016	5	155

FLEXIBLE CONVENTIONAL BLADE

Single use
LARYNGOSCOPE



LED BULB

01-1017

Premium Quality Surgical Stainless Steel Spatula Provides With Unbreakable Plastic Base
 Unique Heel Design Prevents Blade From Touching The Handle
 Clearly Marked And Packed Single Patient Use
 Fiber Optic Tube Black Jacket End Lit Fiber
 Smooth Edges, Rounded Tip And High Quality Surface Finish
 Low Cost Than Reusable One

MACINTOSH	Fig	Working Length(mm)
01-1017	1	76
01-1018	2	88
01-1019	3	112
01-1020	4	130

FLEXIBLE BLADE (FIBER OPTIC)

Single use
LARYNGOSCOPE



LED BULB

01-1021

Premium Quality Surgical Stainless Steel Spatula Provides With Unbreakable Plastic Base
Unique Heel Design Prevents Blade From Touching The Handle
Clearly Marked And Packed Single Patient Use
Smooth Edges, Rounded Tip And High Quality Surface Finish
Low Cost Than Reusable One

MACINTOSH	Fig	Working Length(mm)
01-1021	1	76
01-1022	2	88
01-1023	3	112
01-1024	4	130

FLEXIBLE BLADE (FIBER OPTIC)



01-1025

Premium Quality Surgical Stainless Steel Spatula Provides With Unbreakable Plastic Base
 Unique Heel Design Prevents Blade From Touching The Handle
 Clearly Marked And Packed Single Patient Use
 Smooth Edges, Rounded Tip And High Quality Surface Finish
 Low Cost Than Reusable One

MACINTOSH	Fig	Working Length(mm)
01-1025	1	76
01-1026	2	88
01-1027	3	112
01-1028	4	130

**INTEGRATED FLEXIBLE LARYNGOSCOPE (FIBER OPTIC)
cold light guide**

**Reuseable
LARYNGOSCOPE**



01-1029

303/304 SURGICAL Stainless Steel
Smooth edges, Rounded Tip and high Quality Surface F
Large Fiber Bundles Offers More Light No Black Marks
Fully Autoclavable and Easier to Clean
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1029	1	72
01-1030	2	90
01-1031	3	112
01-1032	4	135

**MILLER FIX TUBE HBT (FIBER OPTIC)
cold light guide**

**Reuseable
LARYNGOSCOPE**



LED/HALOGEN BULB

01-1033

303/304 SURGICAL Stainless Steel
Smooth edges. High Quality Surface Finish
Provides With 3mm Fiber Optic Offers No Black Marks
Fully Autoclavable and Easier to Clean
Satin finish

MILLER	Fig	Working Length(mm)
01-1033	oo	45
01-1034	0	55
01-1035	1	80
01-1036	2	130
01-1037	3	170
01-1038	4	180

**MACINTOSH INTERCHANGEABLE BLADE (FIBER OPTIC)
cold light guide**

**Reuseable
LARYNGOSCOPE**



01-1039

303/304 SURGICAL Stainless Steel
Smooth edges. Rounded Tip and high Quality Surface Finish
Removable Light Guides Design Allow Easier Cleaning and Extends Blade Life
Provides With 4mm Fiber Optic Bundles for light Pass Gives True Tissue Color
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1039	1	80
01-1040	2	92
01-1041	3	116
01-1042	4	135

**MILLER INTERCHANGEABLE BLADE (FIBER OPTIC)
cold light guide**

**Reuseable
LARYNGOSCOPE**



01-1043

303/304 SURGICAL Stainless Steel
Smooth edges. High Quality Surface Finish
Provides With 4mm Fiber Optic Bundles for light Pass Gives True Tissue Color
Fully Autoclavable and Easier to Clean
Satin finish

MILLER	Fig	Working Length(mm)
01-1043	00	45
01-1044	0	55
01-1045	1	80
01-1046	2	130
01-1047	3	170
01-1048	4	180

**MACINTOSH FIX TUBE (FIBER OPTIC)
cold light guide**

**Reuseable
LARYNGOSCOPE**



01-1049

303/304 SURGICAL Stainless Steel
Smooth edges, Rounded Tip and high Quality Surface Finish
Provides With 3mm Fiber Optic Bundles for light Pass Gives True Tissue Color
Fully Autoclavable and Easier to Clean
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1049	1	70
01-1050	2	88
01-1051	3	112
01-1052	4	134

**MILLER FIX TUBE (FIBER OPTIC)
cold light guide**

**Reuseable
LARYNGOSCOPE**



01-1053

303/304 SURGICAL Stainless Steel
Smooth edges. High Quality Surface Finish
Provides With 3mm Fiber Optic Bundles for light Pass Gives True Tissue Color
Fully Autoclavable and Easier to Clean
Satin finish

MILLER	Fig	Working Length(mm)
01-1053	00	45
01-1054	0	57
01-1055	1	80
01-1056	2	130
01-1057	3	170
01-1058	4	180

MACINTOSH CONVENTIONAL

**Reuseable
LARYNGOSCOPE**



01-1059

303/304 SURGICAL Stainless Steel
Smooth edges. Rounded Tip and high Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support Supplied with LED or Halogen Bulb
Satin finish

MILLER	Fig	Working Length(mm)
01-1059	0	60
01-1060	1	68
01-1061	2	92
01-1062	3	113
01-1063	4	135
01-1064	5	155

MILLER CONVENTIONAL

**Reusable
LARYNGOSCOPE**



LED/HALOGEN BULB

01-1065

303/304 SURGICAL Stainless Steel
Smooth edges. High Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support Supplied with LED or Halogen Bulb
Satin finish

MILLER	Fig	Working Length(mm)
01-1065	00	60
01-1066	0	70
01-1067	1	92
01-1068	2	113
01-1069	3	135
01-1070	4	155

MACINTOSH CONVENTIONAL ECO

Reusable LARYNGOSCOPE



01-1071

303/304 SURGICAL Stainless Steel
Smooth edges. Rounded Tip and high Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support Supplied
with LED 2.5V 5000 Lux
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1071	1	80
01-1072	2	92
01-1073	3	116
01-1074	4	135

MACINTOSH F/O FIX TUBE (GS 100)

**Reuseable
LARYNGOSCOPE**



01-1075

303/304 SURGICAL Stainless Steel
Smooth edges. High Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support Supplied
with LED 2.5V 5000 Lux
Satin finish

MILLER	Fig	Working Length(mm)
01-1075	00	45
01-1076	0	57
01-1077	1	80
01-1078	2	130
01-1079	3	170
01-1080	4	180

MACINTOSH F/O SINGLE USE

Reuseable
LARYNGOSCOPE



01-1081

303/304 SURGICAL Stainless Steel
Smooth edges, Rounded Tip and high Quality Surface Finish
Provides With 3mm Fiber Optic Offers No Black Marks
Fully Autoclavable and Easier to Clean
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1081	1	80
01-1082	2	92
01-1083	3	116
01-1084	4	135

MACINTOSH ECO SINGLE USE

Single use
LARYNGOSCOPE



01-1085

Tip to Heel 303/304 SURGICAL Stainless Steel
Smooth edges, Rounded Tip and high Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support
Fiber Optic Tube Black Jacket End Lit Fiber
Satin finish

MACINTOSH	Fig	Working Length
01-1085	1	82
01-1086	2	92
01-1087	3	116
01-1088	4	135

MACINTOSH SINGLE USE (FIBER OPTIC)

Single use
LARYNGOSCOPE



01-1089

Tip to Heel 303/304 SURGICAL Stainless Steel
Smooth edges, Rounded Tip and high Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support
with Palsitc Sleeve 2.5V LED 5000 Lux Brightness
Satin finish

MACINTOSH	Fig	Working Length
01-1089	1	82
01-1090	2	92
01-1091	3	116
01-1092	4	135

MACINTOSH SINGLE USE (FIBER OPTIC)

Single use
LARYNGOSCOPE



01-1093

Tip to Spatula 303/304 SURGICAL Stainless Steel Heel Silver
Smooth edges. Rounded Tip and high Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support
Fiber Optic Tube Black Jacket End Lit Fiber
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1093	1	76
01-1094	2	88
01-1095	3	112
01-1096	4	130

MACINTOSH SINGLE USE (FIBER OPTIC)

Single use
LARYNGOSCOPE



01-1097

Tip to Spatula 303/304 SURGICAL Stainless Steel Heel Silver
Smooth edges. Rounded Tip and high Quality Surface Finish
Three Spring Ball Bearings Gives Secure Fit And Firm Support
Fiber Optic Acrylic Rod
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1097	1	76
01-1098	2	88
01-1099	3	112
01-1100	4	130

MILLER SINGLE USE (FIBER OPTIC)

Single use
LARYNGOSCOPE



01-1101

Tip to Spatula 303/304 SURGICAL Stainless Steel Heel Plastic (ABS)
Smooth edges: Rounded Tip and high Quality Surface Finish
Two Spring Ball Bearings Gives Secure Fit And Firm Support
Fiber Optic Tube Black Jacket End Lit Fiber
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1101	1	76
01-1102	2	88
01-1103	3	112
01-1104	4	130

MACINTOSH SINGLE USE (FIBER OPTIC)

Single use
LARYNGOSCOPE



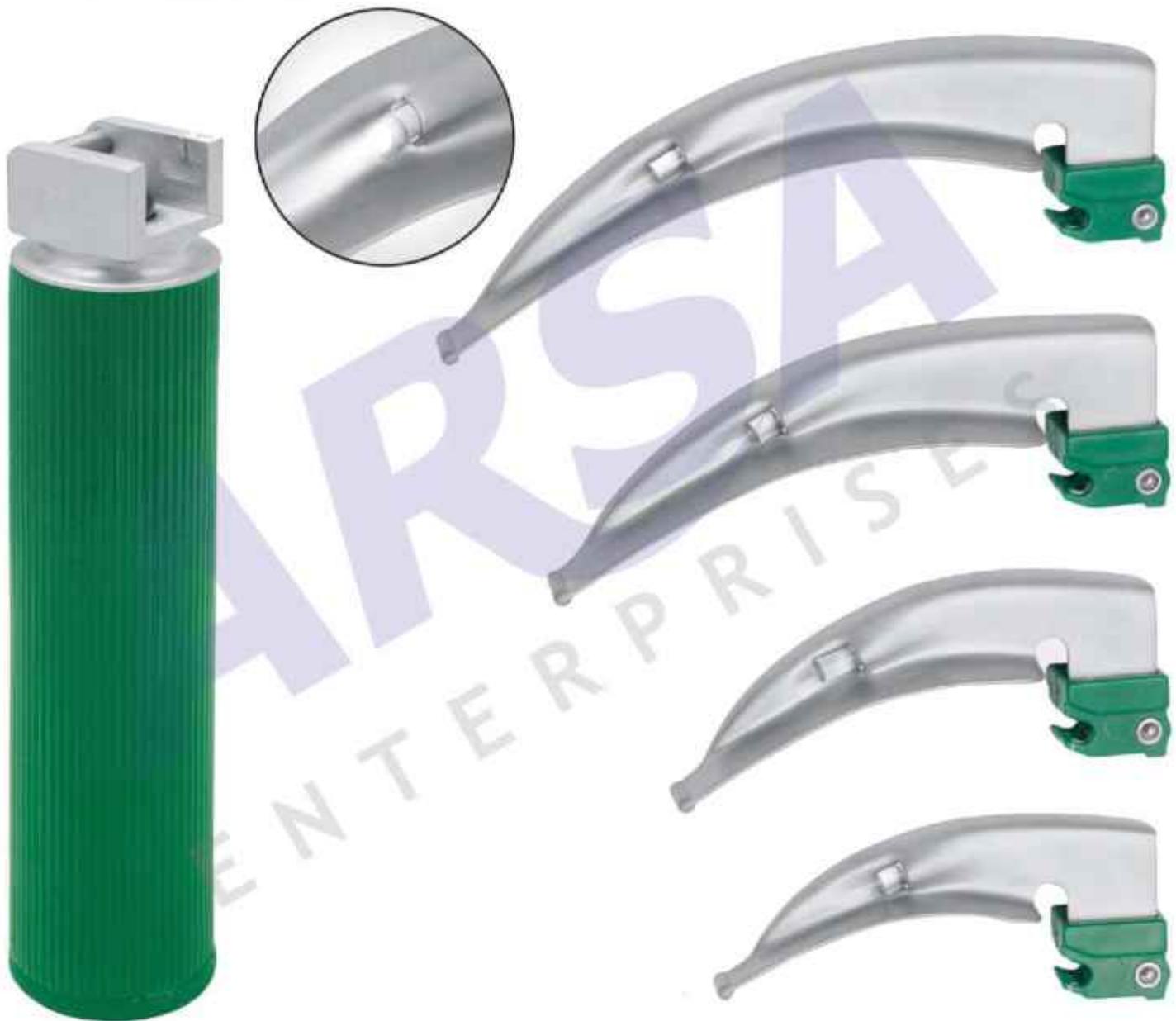
01-1105

Spatula 303/304 SURGICAL Stainless Steel Heel Plastic (ABS)
Smooth edges. High Quality Surface Finish
Two Spring Ball Bearings Gives Secure Fit And Firm Support.
Fiber Optic Tube Black Jacket End Lit Fiber
Satin finish

MILLER	Fig	Working Length(mm)
01-1105	00	45
01-1106	0	55
01-1107	1	80
01-1108	2	130
01-1109	3	170
01-1110	4	180

MILLER SINGLE USE (FIBER OPTIC)

Single use
LARYNGOSCOPE



01-1111

Tip to Spatula 303/304 SURGICAL Stainless Steel Heel Plastic (ABS)
Smooth edges. Rounded Tip and high Quality Surface Finish
Two Spring Ball Bearings Gives Secure Fit And Firm Support
Fiber Optic Acrylic Rod
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1111	1	76
01-1112	2	88
01-1113	3	112
01-1114	4	130

MACINTOSH CONVENTIONAL SINGLE USE

Single use
LARYNGOSCOPE



01-1115

Spatula 303/304 SURGICAL Stainless Steel Heel Plastic (ABS)
Smooth edges. High Quality Surface Finish
Two Spring Ball Bearings Gives Secure Fit And Firm Support
Fiber Optic Acrylic Rod
Satin finish

MILLER	Fig	Working Length(mm)
01-1115	00	45
01-1116	0	55
01-1117	1	80
01-1118	2	130
01-1119	3	170
01-1120	4	180

MACINTOSH CONVENTIONAL SINGLE USE

Single use
LARYNGOSCOPE



01-1121

Tip to Spatula 303/304 SURGICAL Stainless Steel Unique Heel Design
Smooth edges. Rounded Tip and high Quality Surface Finish
Two Spring Ball Bearings Gives Secure Fit And Firm Support
2.5 Single and Double LED Design
Satin finish

MACINTOSH	Fig	Working Length
01-1121	1	83
01-1122	2	95
01-1123	3	120
01-1124	4	138

MILLER CONVENTIONAL SINGLE USE

Single use
LARYNGOSCOPE



01-1125

Tip to Spatula 303/304 SURGICAL Stainless Steel Unique Heel Design
Smooth edges, High Quality Surface Finish
Two Spring Ball Bearings Gives Secure Fit And Firm Support
2.5 Single and Double LED Design
Satin finish

MILLER	Fig	Working Length
01-1125	00	45
01-1126	0	55
01-1127	1	82
01-1128	2	130
01-1129	3	175
01-1130	4	185

MACINTOSH CONVENTIONAL SINGLE USE

Single use
LARYNGOSCOPE



01-1131

Tip to Spatula 303/304 SURGICAL Stainless Steel Unique Heel Design
Smooth edges. Rounded Tip and high Quality Surface Finish
Two Spring Ball Bearings Gives Secure Fit And Firm Support
2.5 Single LED Design 5000 Lux brightness
Satin finish

MACINTOSH	Fig	Working Length(mm)
01-1131	1	80
01-1132	2	92
01-1133	3	116
01-1134	4	133

HANDLES STYLES

Conventional Standard



01-1135

Fiber Standard



01-1136

Single USE Handle



Conventional
01-1137

Fiber optic

LARYNGO SCOPE SETS



01-1138



01-1139



01-1140



01-1141

LARYNGO SCOPE SETS



01-1142



01-1143



01-1144



01-1145

METAL OTOSCOPIES



Fiber Optic (Metal Otoscope)

01-1146

Equipped with an easy to use Bayonet Connecting system with high quality Professional metal head and chrome plated knurled battery handle making the surface a secure grip in the hand with extra bright light of 2.5v LED bulb illumination provided through Fiber Optic system.
Three times high quality magnifying lens.
Requires: 2x C Batteries (Not included with set)
Packing: In Black soft zipper pouch with 10 Specula Having Dia 2.5mm & 4.0mm



Conventional (Metal Otoscope)

01-1147

Equipped with an easy to use Bayonet Connecting system with high quality Professional metal head and chrome plated knurled battery handle making the surface a secure grip in the hand with extra bright light of 2.5v LED bulb illumination provided through Fiber Optic system.
Three times high quality magnifying lens.
Requires: 2x C Batteries (Not included with set)
Packing: In Black soft zipper pouch with 10 Specula Having Dia 2.5mm & 4.0mm

METAL OTOSCOPES



Conventional (Parker Metal Otoscope)

01-1148

High Quality Professional Parker Otoscope with extra bright light 2.5v LED illumination. Three times high quality magnifying lens. Available in Satin and Polish Finish. Requires: 2x C Batteries (Not included with set) Paching: In Black soft zipper pouch with 10 Specula Having Dia 2.5mm & 4.0mm



Conventional (Metal Otoscope)

01-1149

Standard Metal Otoscope with bayonet connecting head fitting. Ideal for pneumatic tympanic membrane test and every day ENT use. 2.5v LED white Light. Available in Satin and Polish Finish. Requires: 2x C Batteries (Not included with set) Paching: In Black soft zipper pouch with 10 Specula Having Dia 2.5mm & 4.0mm

METAL OTOSCOPES



Conventional (Parker Metal Otoscope)

01-1150

High Quality Professional Parker Otoscope with screw fitting illumination light. 2.5v LED Metal Handle & Plastic head CPP. Rheostat dimmer
Requires: 2x C Batteries (Not included with set)
Paching: In Black soft zipper pouch with 10 Specula Having Dia 2.5mm & 4.0mm



Conventional (Metal Otoscope)

01-1151

2.5v standard illumination LED bulb. Chrome Plated Handle and head 4x magnifying glasses. Reusable speculum size 0 2.5 3.5 and 4mm include. Connecting for pneumatic Otoscope. Battery handle with rheostat for adjustment of illumination. Supply: German bulb technology for super view with 3 reusable ear specula.
Requires: 2x C Batteries (Not included with set)
Paching: In Black soft zipper pouch and plastic hard case.
Available in Satin and Polish Finish.



METAL OTOSCOPIES



Conventional (Veterinary Metal Otoscope)

01-1152

Open system with rotatable lens and optional speculum for convenient procedure. 2.5x Otoscope.

Requires: 2x C Batteries (Not included with set)

Packing: In Black soft zipper pouch with 3 VET reusable Specula Dia 4.0, 5.0

Conventional (Veterinary Metal Otoscope)

01-1153

Having special focal distance with two fold magnification. Bayonet closure. 2.5x Otoscope.

Requires: 2x C Batteries (Not included with set)

Packing: In Black soft zipper pouch with 3 VET reusable Specula Dia 4.0, 5.0

MINI OTOSCOPIES



Fiber Optic
(Pocket Style)

01-1154

High Quality Pochet Sized mini Fiber Optic Otoscope with Extra bright light 2.5v. with 3x magnification lens. Distal Fiver Optic illumination 4mm bundle with Enhanced LED Technology.

Requires: 2x AA Batteries (not included with set).

Packing: In Gray or Black Pouch with 10 disposable Specula Dia 2.5mm & 40.0 mm

Available Colours: 



Fiber Optic
(Pocket Style)

01-1155

High Quality Pochet Sized mini Fiber Optic Otoscope with Extra bright light 2.5v. with 3x magnification lens. Distal Fiver Optic illumination 4mm bundle with Enhanced LED Technology.

Requires: 2x AA Batteries (not included with set).

Packing: In Gray or Black Pouch with 10 disposable Specula Dia 2.5mm & 40.0 mm

Available Colours: 

MINI OTOSCOPES



Conventional
(Pocket Style)

01-1156

High Quality Pochet Sized mini Fiber Optic Otoscope with Extra bright light 2.5v. with 3x magnification lens. Distal Fiber Optic illumination 4mm bundle with Enhanced LED Technology.

Requires: 2x AA Batteries (not Included with set).

Packing: In Gray or Black Pouch with 10 disposable Specula Dia 2.5mm & 40.

Available Colours: 



Conventional
(Pocket Style)

01-1157

High Quality Pochet Sized mini Fiber Optic Otoscope with Extra bright light 2.5v. with 3x magnification lens. Distal Fiber Optic illumination 4mm bundle with Enhanced LED Technology.

Requires: 2x AA Batteries (not Included with set).

Packing: In Gray or Black Pouch with 10 disposable Specula Dia 2.5mm & 40.

Available Colours: 

MINI OPHTHALMOSCOPIES



Ophthalmoscope

01-1158

Top Quality ophthalmoscope with fixation star aperture in pocket format. Quality optics in mini-format. Ideal for rounds and house calls. Attachment clip with integrated on/off switch. secure. Switches off automatically when returned to the pocket. High-quality handle: White upper section/refined plastic. Shockproof, sturdy, non-slip. Enhanced LED Technology. Concentrated white light for perfect illumination and a brilliant image. 4 different apertures. A full-function instrument incl. fixation star. Range of lenses: 20 D to +20 D. 2-piece handle and head. Easy to maintain, flexible.

Replaceable Batteries Size AA

Supply: Bristle and Hard plastic case packing



Ophthalmoscope

01-1159

Top Quality ophthalmoscope with fixation star aperture in pocket format. Quality optics in mini-format. Ideal for rounds and house calls. Attachment clip with integrated on/off switch. secure. Switches off automatically when returned to the pocket. High-quality handle: White upper section/refined plastic. Shockproof, sturdy, non-slip. Enhanced LED Technology. Concentrated white light for perfect illumination and a brilliant image. 4 different apertures. A full-function instrument incl. fixation star. Range of lenses: 20 D to +20 D. 2-piece handle and head. Easy to maintain, flexible.

Replaceable Batteries Size AA

Supply: Bristle and Hard plastic case packing

MINI OPHTHALMOSCOPES

The Ophthalmoscope is a tool used in medicine to examine the interior of the eye. Studying the inner parts of the eye, such as the optic disk, retinal blood vessels, retina, choroid and macula, can help diagnose diseases of the eye.



01-1160

3M Ophthalmoscope set pin contacting fitting
Ophthalmoscope head: pin contact fitting. Lens
selection wheel permits choice of corrective
lenses from 0 to -25 and 0 to +40 diopters single
large circle aperture. Rheostat for adjustment of
illumination 2 battery handle choice

Require: 2 x C size batteries (not included with set)
Supplu: Hard case.

01-1161

Parker mini Ophthalmoscope 2.5v LED bulb light for
true tissue color and consistent long lasting
illumination 24 color coded lenses - 25 to +40 for
excellent resolution (red for - Green for +) Rubber
eye brow rest to prevent scratching of eye-glasses
illumination lens dial for clear identification for
adopter setting.

Require: 2 x AA size batteries (not included with set)
Supplu: Soft pouch or plastic hard case.

01-1162

Parker Ophthalmoscope 2.5v LED bulb light for
true tissue color and consistent long lasting
illumination 24 color coded lenses - 25 to +40 for
excellent resolution (red for - Green for +) Rubber
eye brow rest to prevent scratching of eye-glasses
illumination lens dial for clear identification for
adopter setting.

Require: 2 x C size batteries (not included with set)
Supplu: Soft pouch or plastic hard case.

ENT SETS



01-1163



01-1164



01-1165



01-1166

ENT SETS



01-1167



01-1168



01-1169

PERCUSSION HAMMERS



BABINSKY
220 mm
01-1170



RABINER
230 mm
01-1171

STETHOSCOPIES



1:2

PINARD
180 mm - 7"
01-1172



1:2

PINARD
150 mm - 6"
01-1173

DUPLEX
47 mm **01-1174**

for adults

BABY-DUPLEX
37 mm **01-1175**

for children



1:4



1:1

ANESTOPHON
47 mm **01-1176**

for nurses, simple



1:4

PERCUSSION HAMMERS

WARTENBERG
190 mm - 7"
01-1177



BUCK
180 mm - 7"
01-1178



TROEMNER
240 mm - 9½"
01-1179



TAYLOR
180 mm - 7" 01-1180
200 mm - 8" 01-1181



BERLINER
200 mm - 8"
01-1182



DÉJERINE
210 mm - 8"
01-1183



MEASURING INSTRUMENTS



1:1

COLLIN

125 mm - 5"	01-1184	01-1185	01-1186
-------------	----------------	----------------	----------------

for children, kg-scale

for adults, kg-scale

for adults, lbs-scale



1:2

BERTILLON

320 mm - 12 1/2"	01-1187
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1:2

MOELTGEN

240 mm - 9 1/2"	01-1188
-----------------	----------------

MEASURING INSTRUMENTS



100 mm - 4"	01-1189
150 mm - 6"	01-1190
200 mm - 8"	01-1191
300 mm - 12"	01-1192
500 mm - 20"	01-1193



500 mm - 20"	01-1194
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X-ray ruler



VERNIER

210 mm - 8 1/4"	01-1195	01-1196
-----------------	----------------	----------------

Aluminium Steel



CASTROVIEIO

80 mm - 3 1/4"	01-1197
----------------	----------------



1500 mm - 60"	01-1198
---------------	----------------

Wax cloth

TONGUE DEPRESSORS



160 mm - 6 1/4" **01-1199**



145 mm - 5 3/4" **01-1200**



KROENIG
150 mm - 6" **01-1201**



MAYO
170 mm - 6 3/4" **01-1202**



BRUENINGS
190 mm - 7 1/2" **01-1203**



FRENZEL
165 mm - 6 1/2" **01-1204**

TONGUE DEPRESSORS



WIEDER

150 mm - 6"

01-1205

140 mm - 5 1/2"

01-1206



1:2



1:2



BOSWOTH

145 mm - 5 3/4"

1:2

01-1207



TOBOLD

145 mm - 5 3/4"

01-1208

1:2



HARTMANN

150 mm - 6"

01-1209

1:2



ANDREW

110 mm - 4 1/4"

01-1210

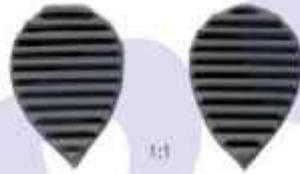
1:2

TONGUE HOLDING FORCEPS



YOUNG

170mm - 6 3/4"	01-1211
----------------	----------------



01-1212

1 Pair rubber-inserts



COLLIN

160mm - 6 1/2"	01-1213
170mm - 6 3/4"	01-1214
190mm - 7 1/2"	01-1215

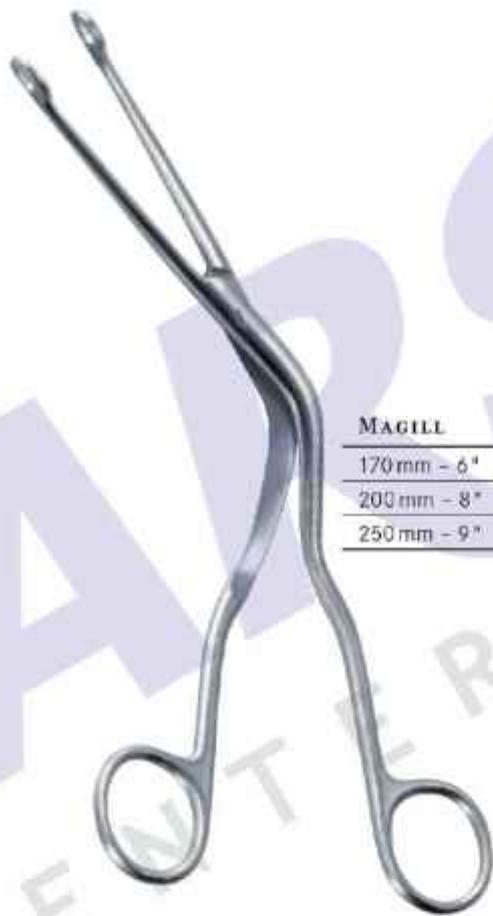
Cheek retractors

STERNBERG

120mm - 4 3/4"	01-1216
140mm - 5 1/2"	01-1217
160mm - 6 1/4"	01-1218



CATHETER FORCEPS



MAGILL

170 mm - 6"	01-1219		
200 mm - 8"		01-1220	
250 mm - 9"			01-1221



02

ARSA
ENTERPRISES

ASPIRATION, PROBES



TROCARS



UNIVERSAL

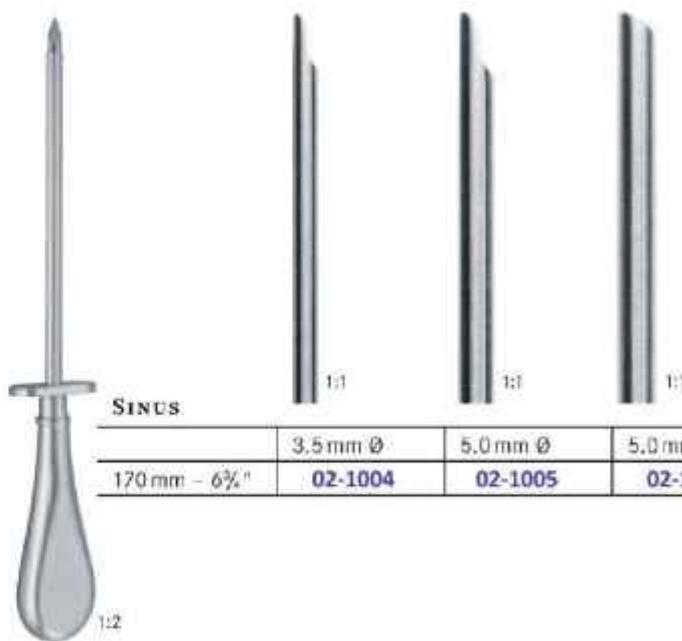
	Fig. 1	Fig. 2	Fig. 3	Fig. 4
	6.0 mm Ø	4.5 mm Ø	3.0 mm Ø	1.75 mm Ø
02-1001		x	x	x
02-1002	x	x	x	x

Set



UCKERMANN

130 mm - 5"	02-1003
-------------	----------------



SINUS

	3.5 mm Ø	5.0 mm Ø	5.0 mm Ø
170 mm - 6 3/4"	02-1004	02-1005	02-1006

TROCARS



LICHTWITZ

	1.8 mm Ø	2.0 mm Ø
190 mm - 7/8"	02-1003	02-1006-1



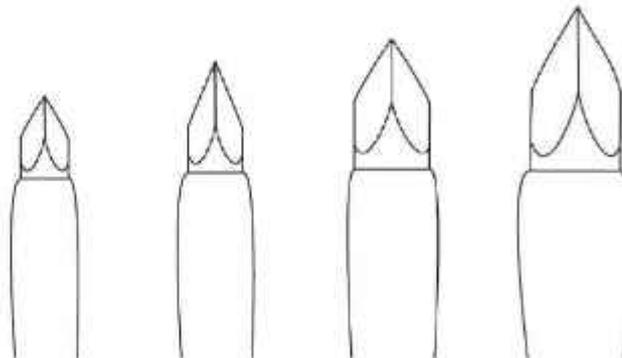
OCHSNER

		100 mm - 4"
3 1/2 mm Ø	10 Char./Fr.	02-1006-2
4 mm Ø	12 Char./Fr.	02-1006-3
4 1/2 mm Ø	14 Char./Fr.	02-1007
5 mm Ø	16 Char./Fr.	02-1008
6 mm Ø	18 Char./Fr.	02-1009
6 1/2 mm Ø	20 Char./Fr.	02-1010
7 1/2 mm Ø	22 Char./Fr.	02-1011
8 mm Ø	24 Char./Fr.	02-1012
8 1/2 mm Ø	26 Char./Fr.	02-1013
9 1/2 mm Ø	28 Char./Fr.	02-1014



NELSON

	6.0 mm Ø	8.3 mm Ø	9.5 mm Ø	11.6 mm Ø
210 mm - 8 1/4"	02-1015	02-1016	02-1017	02-1018



TROCARS



LANDAU

	2 mm Ø
160 mm - 6 1/4"	02-1019



PIERCE

	170 mm - 6 3/4"
3 mm Ø	02-1020
4 mm Ø	02-1021
5 mm Ø	02-1022



KRAUSE

	5.5 mm Ø
150 mm - 6"	02-1023



COAKLEY

	2.25 mm Ø
160 mm - 6 1/4"	02-1024

SUCTION TUBES



COOLEY

	8 mm Ø
350 mm - 13 1/4"	02-1025

	10 mm Ø
310 mm - 12 1/2"	02-1026

	6 mm Ø
300 mm - 12"	02-1027

	8 mm Ø
330 mm - 13"	02-1028

SUCTION TUBES



POOLE

		220 mm - 8"
8 mm Ø	23 Charr./Fr.	02-1029



POOLE

		220 mm - 8"
10 mm Ø	30 Charr./Fr.	02-1030



ANDREWS-PYNCHON

235 mm - 9 1/4"	02-1031
-----------------	----------------



DE BAKEY

275 mm - 10 7/8"	02-1032
------------------	----------------



02-1033

YANKAUER

270 mm - 10 5/8"	02-1034
------------------	----------------

EUSTACHIAN CATHETERS



HARTMANN	
	Fig. 1
2.0 mm Ø	02-1035
2.5 mm Ø	02-1036
3.0 mm Ø	02-1037



KILLIAN		
	Fig. 2	
160 mm - 6°	2.5 mm Ø	02-1041
160 mm - 6°	3.0 mm Ø	02-1042

ovale Öffnung
 oval opening
 ouverture ovale
 apertura oval
 apertura ovale



HARTMANN						
	Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
150 mm - 6°	02-1043	02-1044	02-1045	02-1046	02-1047	02-1048

EUSTACHIAN CATHETERS



1:2 **02-1049**

Schlaucholive für Ohrkatheter
Tube end piece for eustachian catheter
 Olive pour sonde auriculaire
Olive para sondas auriculares
 Olive per sonde auricolari

TRÖLTSCH	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
150 mm - 6°	02-1050	02-1051	02-1052	02-1053	02-1054

Ohrspritze | Seringue auriculaire
Ear syringe | *Jeringa auricular*
Siringhe auricolari



1:2



1:2



1:2



1:2



1:2

02-1055	02-1056	02-1057	02-1058	02-1059	02-1060
50 cm 2 oz	100 cm 4 oz				

02-1061	x		x	x	x
02-1062		x	x	x	

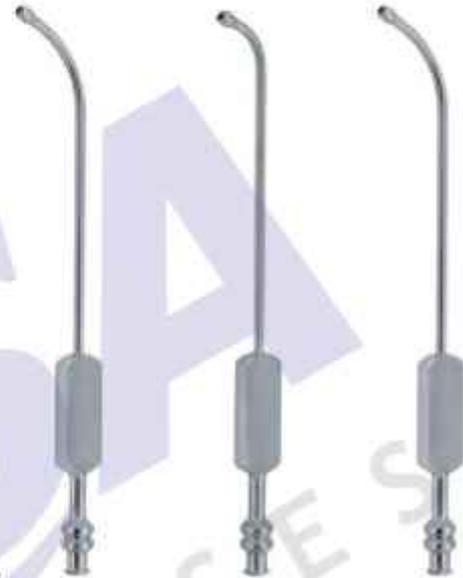
komplett
 complete
 complet
 completa
 completa

SUCTION & IRRIGATION CANNULAS



1.2 mm Ø x 60 mm	02-1063	02-1066
1.5 mm Ø x 80 mm	02-1064	02-1067
2.0 mm Ø x 80 mm	02-1065	02-1068

Packung à 6 Stück
 Package of 6 pieces
 Paquet de 6 pièces
 Paquete de 6 piezas
 Confezione da 6 pezzi



EICKEN			
2.5 mm Ø	02-1069	02-1071	02-1073
3.0 mm Ø	02-1070	02-1072	02-1074

leicht gebogen <i>slightly curved</i>	stark gebogen <i>strongly curved</i>	biegsam <i>malleable</i>
légèrement courbé	très courbé	malleable
ligeramente curvada	muy curvada	malleable
leggermente curva	fortemente curva	malleabile



LUER-LOCK
 3.0mm Ø
 02-1075



LUER-LOCK
 2.5mm Ø
 02-1076



FISCH
 4.0mm Ø
 02-1077

SUCTION & IRRIGATION CANNULAS



0.8 mm Ø	02-1078	02-1079
Tonsillenkannüle	gerade	gebogen
<i>Tonsil needle</i>	<i>straight</i>	<i>curved</i>
Aiguille pour amygdales	droite	courbe
<i>Aguja para amigdales</i>	<i>recta</i>	<i>curva</i>
Cannule per tonsille	retta	curva

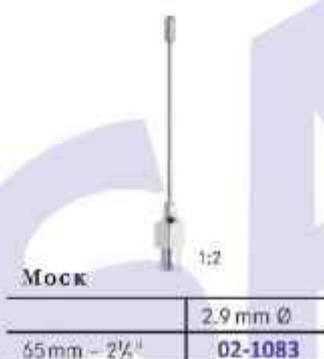
0.8 mm Ø	02-1080	02-1081
Septumkanüle	bayonettförmig	abgewinkelt
<i>Septum needle</i>	<i>bayonet</i>	<i>angled on flat</i>
Aiguille pour le cloison nasal	baïonette	coudé sur le plat
<i>Aguja para el tabique nasal</i>	<i>bayoneta</i>	<i>angulado</i>
Ago per setto nasale	baionetta	angolato

SUCTION TUBES



ZÖLLNER	
0.7 mm Ø	
02-1082	

komplett mit 1 aufsetzbaren Kanüle, 0.7 mm Ø
 complete with 1 slip-on cannula, 0.7 mm Ø
 complet avec 1 canule démontable, 0.7 mm de Ø
 completo con 1 cánula desmontable de 0.7 mm Ø
 completa di 1 cannula applicabile di mm 0.7 di Ø



MOCK	
2.9 mm Ø	
65 mm - 2 1/2"	02-1083



TOWA	
0.7 mm Ø	
160 mm - 6 1/4"	02-1084



MAGILL	
245 mm - 9 3/4"	
3.0 mm Ø	02-1085
3.5 mm Ø	02-1086
4.0 mm Ø	02-1087



ROSEN		
	x = 80 mm	x = 65 mm
0.7 mm Ø	02-1088	02-1091
0.9 mm Ø	02-1089	02-1092
1.2 mm Ø	02-1090	02-1093

SUCTION TUBES



BARON

		x = 75 mm - 3*	x = 100 mm - 4*
1 mm Ø	3 Charr./Fr.	02-1094	02-1097
1 2/3 mm Ø	5 Charr./Fr.	02-1095	02-1098
2 1/3 mm Ø	7 Charr./Fr.	02-1096	02-1099



HOUSE

		x = 75 mm - 3*	x = 100 mm - 4*
1 mm Ø	3 Charr./Fr.	02-1100	02-1107
1 2/3 mm Ø	5 Charr./Fr.	02-1101	02-1108
2 1/3 mm Ø	7 Charr./Fr.	02-1102	02-1109
2 2/3 mm Ø	8 Charr./Fr.	02-1103	02-1110
3 1/3 mm Ø	10 Charr./Fr.	02-1104	02-1111
4 mm Ø	12 Charr./Fr.	02-1105	02-1112
4 2/3 mm Ø	14 Charr./Fr.	02-1106	02-1113



FERGUSON

		x = 120 mm - 4 1/4*
2 mm Ø	6 Charr./Fr.	02-1114
2 1/3 mm Ø	7 Charr./Fr.	02-1115
2 2/3 mm Ø	8 Charr./Fr.	02-1116
3 mm Ø	9 Charr./Fr.	02-1117
3 1/3 mm Ø	10 Charr./Fr.	02-1118
4 mm Ø	12 Charr./Fr.	02-1119
5 mm Ø	15 Charr./Fr.	02-1120

1:2

SUCTION TUBES



PLESTER

		170 mm - 6 3/4"
2 mm Ø	6 Charr./Fr.	02-1121
2 1/4 mm Ø	7 Charr./Fr.	02-1122
2 1/2 mm Ø	8 Charr./Fr.	02-1123
3 mm Ø	9 Charr./Fr.	02-1124
3 1/4 mm Ø	10 Charr./Fr.	02-1125
3 1/2 mm Ø	11 Charr./Fr.	02-1126
4 mm Ø	12 Charr./Fr.	02-1127
5 mm Ø	15 Charr./Fr.	02-1128

1:2



1:2

ADSON

		210 mm - 8 1/4"
4 mm Ø	12 Charr./Fr.	02-1130
5 mm Ø	15 Charr./Fr.	02-1131



1:2

200 mm - 8"	02-1129
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Saug-Raspatorium - biegsam, scharf
Suction raspatory - malleable, sharp

Rugine aspirante - flexible, tranchant
Legra aspiradora - maleable y agudo

Elevatore-aspiratore - flessibile, tagliente

SUCTION TUBES



FRAZIER

		170 mm - 6¾"				
2 mm Ø	6 Charr./Fr.	02-1132				
2½ mm Ø	7 Charr./Fr.	02-1133				
2½ mm Ø	8 Charr./Fr.	02-1134				
3 mm Ø	9 Charr./Fr.	02-1135				
3½ mm Ø	10 Charr./Fr.	02-1136	02-1137	02-1138	02-1139	02-1140
4 mm Ø	12 Charr./Fr.	02-1141	02-1142	02-1143	02-1144	02-1145
5 mm Ø	15 Charr./Fr.	02-1146				



	250 mm - 10"
2.0 mm Ø	02-1147
2.5 mm Ø	02-1148
3.0 mm Ø	02-1149



Ø 2.5 mm - 100 mm	3,5 mm	02-1150
Ø 2.5 mm - 260 mm	3,5 mm	02-1151

Ø, Nutzlänge	Kugel Ø	Koagulations-Saugrohre, gerade
Ø, Length	Bail Ø	Coagulation suction tubes, straight
Ø, Longueur	Boule Ø	Canules de suction et coagulation, droits
Ø, Longitud	Bole Ø	Canulas de succión et coagulación, rectas
Ø, Lunghezza operativa	Sfera Ø	Cannule di aspirazione e coagulazione, retta

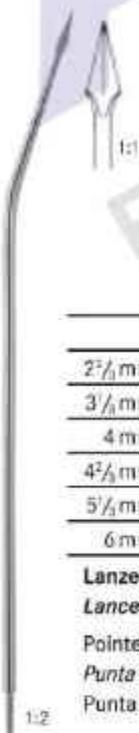
GUIDE NEEDLES



		195 mm - 5/8"
2 1/8 mm Ø	8 Charr./Fr.	02-1152
3 1/8 mm Ø	10 Charr./Fr.	02-1153
4 mm Ø	12 Charr./Fr.	02-1154
4 1/2 mm Ø	14 Charr./Fr.	02-1155
5 1/8 mm Ø	16 Charr./Fr.	02-1156
6 mm Ø	18 Charr./Fr.	02-1157



		195 mm - 5/8"
2 mm Ø	6 Charr./Fr.	02-1158
2 1/8 mm Ø	8 Charr./Fr.	02-1159
3 1/8 mm Ø	10 Charr./Fr.	02-1160
4 mm Ø	12 Charr./Fr.	02-1161
4 1/2 mm Ø	14 Charr./Fr.	02-1162
5 1/8 mm Ø	16 Charr./Fr.	02-1163
6 mm Ø	18 Charr./Fr.	02-1164



		195 mm - 5/8"
2 1/8 mm Ø	8 Charr./Fr.	02-1165
3 1/8 mm Ø	10 Charr./Fr.	02-1166
4 mm Ø	12 Charr./Fr.	02-1167
4 1/2 mm Ø	14 Charr./Fr.	02-1168
5 1/8 mm Ø	16 Charr./Fr.	02-1169
6 mm Ø	18 Charr./Fr.	02-1170

Lanzettenspitze
Lancet tip
Pointe lancéolaire
Punta lanceolata
Punta lanceolata

GLASS/ METAL SYRINGES



1:2

LUER

1 ml	02-1171	02-1177
2 ml	02-1172	02-1178
5 ml	02-1173	02-1179
10 ml	02-1174	02-1180
20 ml	02-1175	02-1181
50 ml	02-1176	02-1182

Spritze, komplett Zylinder
 Syringe, complete Barrel
 Seringue, complète Cylindre
 Jeringa, completa Cilindro
 Siringa, completa Cilindro



1:2

LUER-LOCK

1 ml	02-1183	02-1189
2 ml	02-1184	02-1190
5 ml	02-1185	02-1191
10 ml	02-1186	02-1192
20 ml	02-1187	02-1193
50 ml	02-1188	02-1194

Spritze, komplett Zylinder
 Syringe, complete Barrel
 Seringue, complète Cylindre
 Jeringa, completa Cilindro
 Siringa, completa Cilindro



1:2

LUER-LOCK

2 ml	02-1195	02-1198
5 ml	02-1196	02-1199
10 ml	02-1197	02-1200

Spritze, komplett Zylinder
 Syringe, complete Barrel
 Seringue, complète Cylindre
 Jeringa, completa Cilindro
 Siringa, completa Cilindro

02-1201

Luer Lock Anschluß
 Luer Lock attachment
 Raccord Luer Lock
 Conector Luer Lock
 Raccordo Luer Lock



Ersatzteile und Zubehör auf Anfrage
 Spare parts and accessories upon request

Pièces de rechange et accessoires sur demande
 Piezas de cambio y accesorios según demanda
 Pezzi di ricambio ed accessori a richiesta

PROBES & DIRECTORS



	2.0 mm Ø	1.5 mm Ø	1.0 mm Ø
115 mm - 4 1/2"	02-1202	02-1209	02-1216
130 mm - 5"	02-1203	02-1210	02-1217
145 mm - 5 3/4"	02-1204	02-1211	02-1218
160 mm - 6 1/4"	02-1205	02-1212	02-1219
180 mm - 7"	02-1206	02-1213	02-1220
200 mm - 8"	02-1207	02-1214	02-1221
250 mm - 9 3/4"	02-1208	02-1215	02-1222

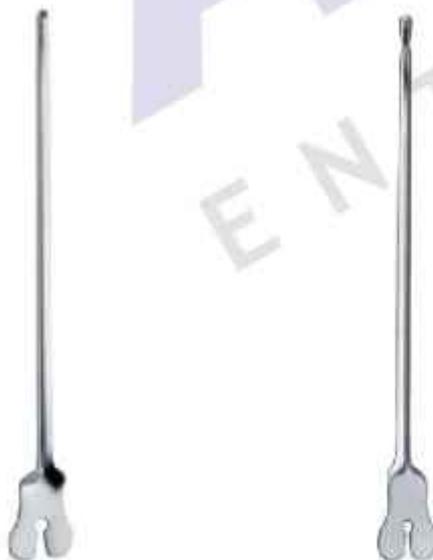
2 mm Ø	
115 mm - 4 1/2"	02-1223
130 mm - 5"	02-1224
145 mm - 5 3/4"	02-1225
160 mm - 6 1/4"	02-1226
180 mm - 7"	02-1227
200 mm - 8"	02-1228
250 mm - 9 3/4"	02-1229

2 mm Ø	
115 mm - 4 1/2"	02-1230
130 mm - 5"	02-1231
145 mm - 5 3/4"	02-1232
160 mm - 6 1/4"	02-1233

Myrtenblattsonde
myrtle-shaped

en forme de myrte
en forme de mirto
forma di mirto

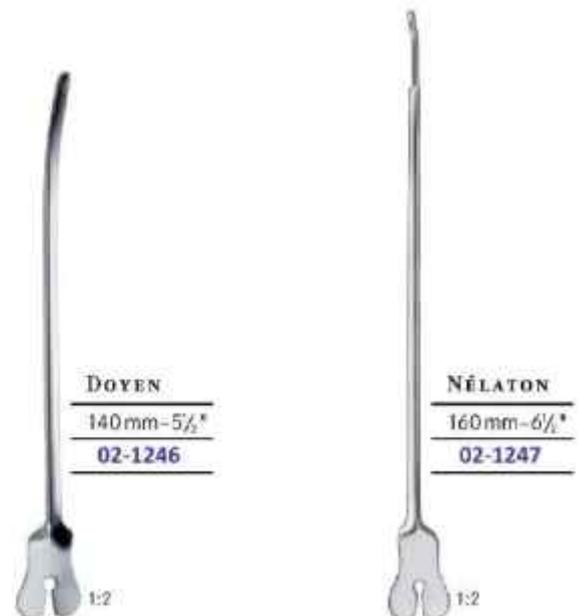
mit Öhr
with eyelet
avec oeil
con ojo
con cruna



115 mm - 4 1/2"	02-1234
130 mm - 5"	02-1235
145 mm - 5 3/4"	02-1236
160 mm - 6 1/4"	02-1237
180 mm - 7"	02-1238
200 mm - 8"	02-1239



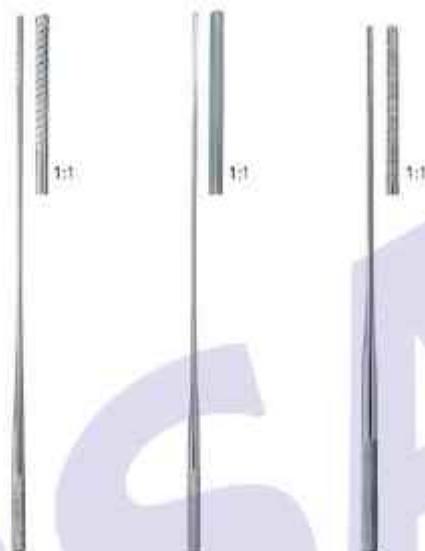
115 mm - 4 1/2"	02-1240
130 mm - 5"	02-1241
145 mm - 5 3/4"	02-1242
160 mm - 6 1/4"	02-1243
180 mm - 7"	02-1244
200 mm - 8"	02-1245



DOYEN
140 mm - 5 1/2"
02-1246

NÉLATON
160 mm - 6 1/4"
02-1247

COTTON APPLICATORS



FARRELL-LATHBURY

120 mm - 4 3/8"	0.9 mm Ø	02-1248	02-1253	02-1258
140 mm - 5 1/2"	0.9 mm Ø	02-1249	02-1254	02-1259
165 mm - 6 1/4"	1.1 mm Ø	02-1250	02-1255	02-1260
180 mm - 7"	1.2 mm Ø	02-1251	02-1256	02-1261
230 mm - 9"	1.3 mm Ø	02-1252	02-1257	02-1262

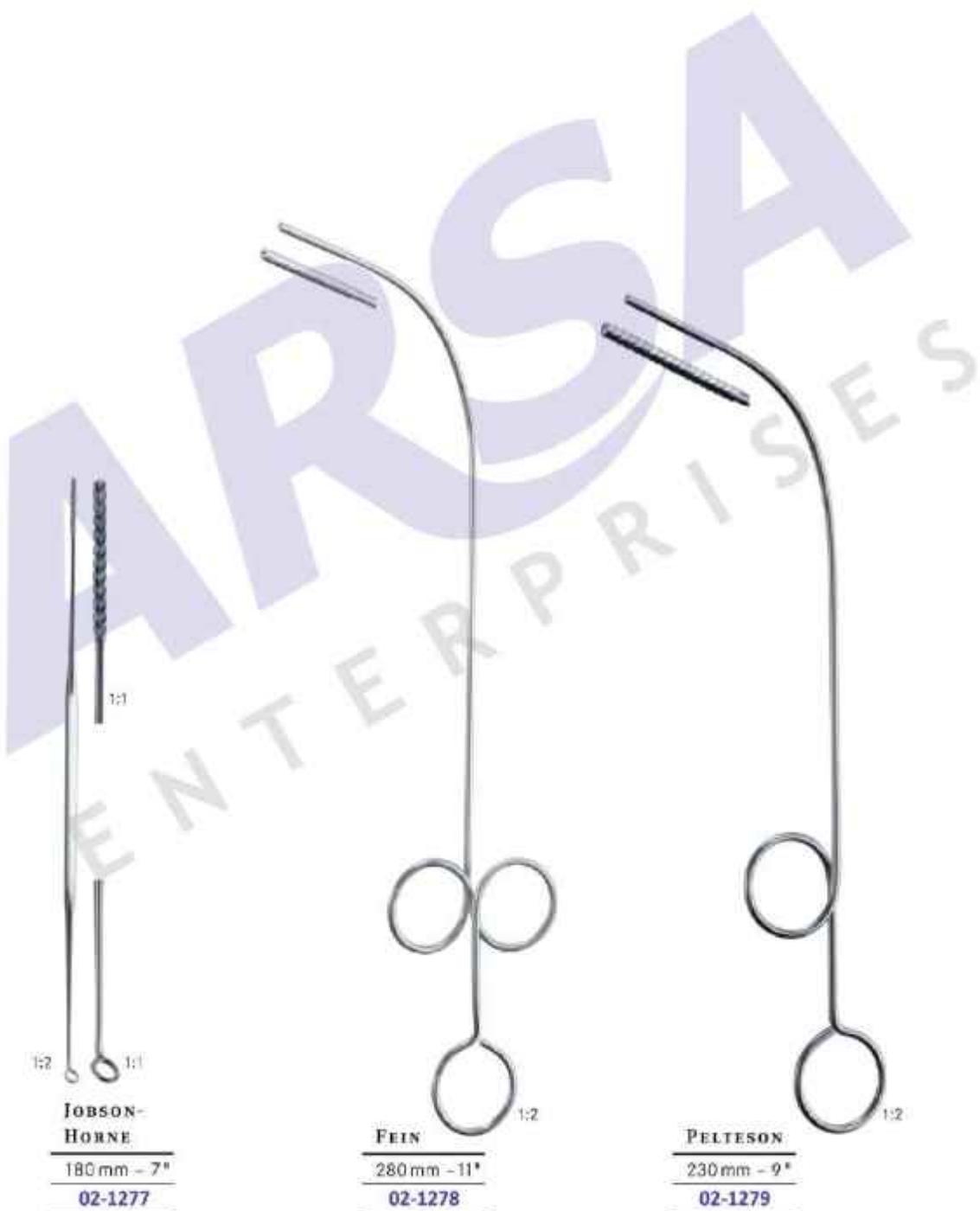


MOD. MARTIN

	1.2 mm Ø	1.5 mm Ø	1.5 mm Ø
120 mm - 4 3/8"	02-1263	02-1267	02-1271
140 mm - 5 1/2"	02-1264	02-1268	02-1272
160 mm - 6 1/4"	02-1265	02-1269	02-1273
180 mm - 7"	02-1266	02-1270	02-1274

	2.5 mm Ø	2.5 mm Ø
280 mm - 11"	02-1275	02-1276

COTTON APPLICATORS



1:2 1:1

**JOBSON-
HORNE**

180 mm - 7"

02-1277

FEIN

280 mm - 11"

02-1278

PELTESON

230 mm - 9"

02-1279

03

ARSA
ENTERPRISES

SCALPELS, KNIVES



OPERATING KNIVES



DIFFENBACH

	Fig. 1	Fig. 2
160 mm - 6 1/4"	03-1001	03-1002

OPERATING KNIVES



SCALPEL HANDLES



Fig. 4 L

03-1013

abgewinkelt
angled on flat
coudé sur le plat
angulado
angolato



COLLIN

Fig. 8

03-1016

hohl
hollow
creux
hueco
cavo

STANDARD

Fig. 4	Fig. 4 L
03-1014	03-1015

SCALPEL HANDLES



Fig. 3	Fig. 3 L
03-1018	03-1019



Fig. 3 L

03-1017

abgewinkelt
angled on flat
coudé sur le plat
angulado
angolato



Fig. 7K	Fig. 7
03-1020	03-1021



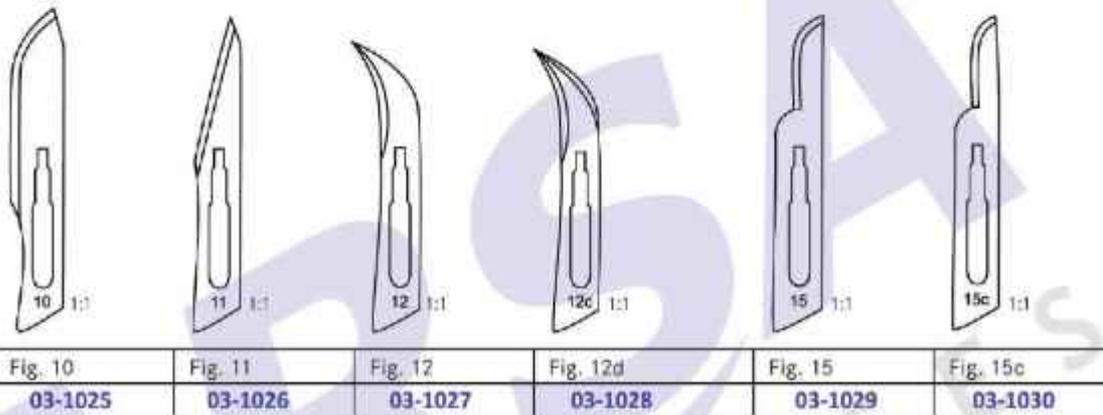
Fig. 3 grad.
03-1022

gradulert
graduaded
graduê
graduado
graduato

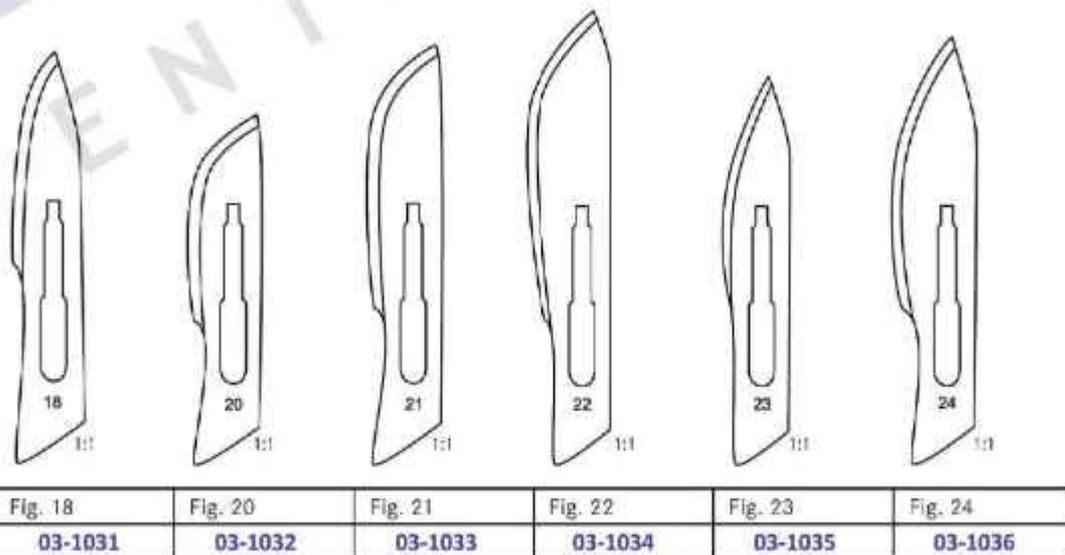
Fig. 3 R
03-1023

Fig. 3 RG
03-1024

SCALPEL BLADES



doppelschneidend
double cutting edge
double tranchante
corta doble
a doppio taglio



MICRO BLADE HOLDERS, BLADES



135 mm - 5 1/4"	130 mm - 5"
03-1037	03-1038

Titan	Rostfreier Stahl
Titanium	stainless steel
Titan	inoxydable acier
Titaneo	inoxidable acero
Titanio	inossidabile acciaio

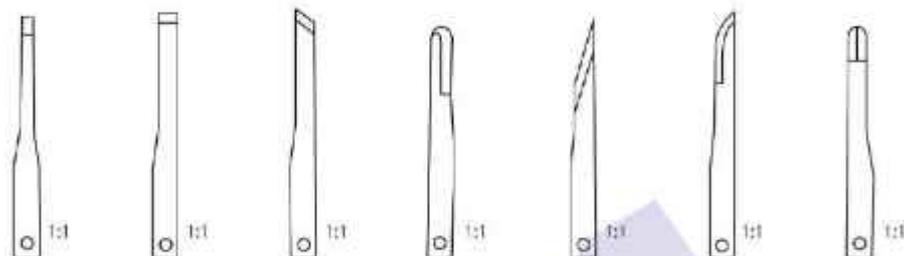


Fig. 61	Fig. 62	Fig. 62s	Fig. 64	Fig. 65	Fig. 67	Fig. 69
03-1039	03-1040	03-1041	03-1042	03-1043	03-1044	03-1045

Mikro-Klingen - Packung mit 10 Stück
 Micro-blades - package of 10 pieces
 Micro-lames - paquet de 10 pièces
 Micro-hojas - paquete de 10 piezas
 Micro-lame - confezione da 10 pezzi



100 mm - 4"	130 mm - 5"	150 mm - 6"
03-1046	03-1047	03-1048

RAZOR BLADE & BREAKERS



1:1

CASTROVIEJO

130 mm - 5" **03-1049**



1:1

TROUTMAN-CHRIS

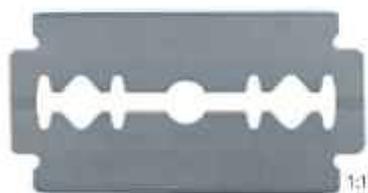
90 mm - 3 1/2" **03-1050** **03-1051**



1:1



1:1



1:1

03-1052

Packung mit 10 Stück
Package of 10 pieces

Paquet de 10 pièces
Paquete de 10 piezas
Confezione da 10 pezzi

Rasierklingen, brechbar, rostfrei
Razor blades, breakable, stainless

Lames de rasoir, réfrangibles, inoxydable
Hojas de afeitar, rompible, inoxidable
Lame di rasoio, rompibili, inossidabile

AUTOPSY KNIVES



VIRCHOW

	x=120 mm - 4"	x=80 mm - 3 1/2"
255 mm - 10"	03-1053	03-1054

Seziermesser mit Holzheft

Autopsy knives with wooden handle

Couteaux à autopsie avec manche en bois

Cuchillos para autopsia con mango de madera

Coltelli per autopsia con manico di legno

WALD

260 mm - 10 1/4"	x=110 mm - 4 1/4"	03-1055
290 mm - 11 1/2"	x=140 mm - 5 1/2"	03-1056
310 mm - 12 1/4"	x=170 mm - 6 3/4"	03-1057

Organmesser mit Holzheft

Post mortem knives with wooden handle

Couteaux à organes avec manche en bois

Cuchillos para órganos, con mango de madera

Coltelli per organi, con manico di legno

VIRCHOW

260 mm - 10 1/4"	x=160 mm - 6 1/4"	03-1058
335 mm - 13 1/2"	x=200 mm - 8"	03-1059
380 mm - 15"	x=240 mm - 9 1/2"	03-1060

Hirnmesser mit Metallheft

Brain knives with metal handle

Couteaux pour le cerveau, avec manche en métal

Cuchillos para el cerebro, con mango metálico

Coltelli per cervello, con manico di metallo

AMPUTATION KNIVES



COLLIN

x = 130 mm	03-1061
x = 160 mm	03-1062
x = 190 mm	03-1063
x = 220 mm	03-1064

doppelschneidend
double cutting edge

double tranchant
corta doble
a doppio taglio

CATLIN

x = 160 mm	03-1065
290 mm - 11/16"	

doppelschneidend
double cutting edge

double tranchant
corta doble
a doppio taglio

LANGENBECK

x = 55 mm	x = 55 mm	x = 120 mm
03-1066	03-1067	03-1068

DERMATOMES



03-1069

HUMBY

310mm - 12 1/4"

03-1070

komplett mit 1 Klinge
complete with 1 blade
 complet avec 1 lame
completo con 1 hoja
 completo con 1 lama

1:2



WATSON

300mm - 12"

03-1071

komplett mit 1 Klinge, Stange starr
complete with 1 blade, fixed bar
 complet avec 1 lame, tige fix
completo con 1 hoja, barra fijada
 completo con 1 lama, barra fissa

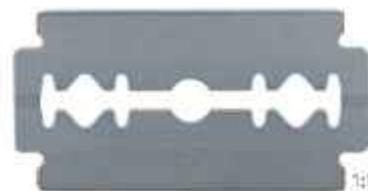
1:2



SILVER

190mm - 7 1/2"

03-1072



03-1073

1:1

DERMATOMES, TRANSPLANTATION KNIVES



THIERSCH

200 mm - 8"

03-1074



SCHINK

300 mm - 12"

03-1075

Komplett mit 1 Klinge und 2 Spannhaltern

Complete with 1 blade and 2 plates

Complet avec 1 lame et 2 plaques

Completo con 1 hoja y 2 placas

Completo con 1 lama e 2 placche



03-1076

Klinge

Spare blade

Lame de rechange

Hoja de cambio

Lama di ricambio



03-1077

Spannplatte

Skin fixing plate

Plaque pour tendre la peau

Placa para extender la piel

Placca per stendere la pelle

04

ARSA
ENTERPRISES

SCISSORS



OPERATING SCISSORS



STANDARD	Fig. 1	Fig. 2	Fig. 3
105 mm - 4 1/4"	04-1001	04-1010	04-1019
115 mm - 4 1/2"	04-1002	04-1011	04-1020
130 mm - 5"	04-1003	04-1012	04-1021
145 mm - 5 1/2"	04-1004	04-1013	04-1022
155 mm - 6"	04-1005	04-1014	04-1023
165 mm - 6 1/2"	04-1006	04-1015	04-1024
175 mm - 7"	04-1007	04-1016	04-1025
185 mm - 7 1/4"	04-1008	04-1017	04-1026
200 mm - 8"	04-1009	04-1018	04-1027



STANDARD	Fig. 1	Fig. 2	Fig. 3
115 mm - 4 1/2"	04-1028	04-1036	04-1044
130 mm - 5"	04-1029	04-1037	04-1045
145 mm - 5 1/2"	04-1030	04-1038	04-1046
155 mm - 6"	04-1031	04-1039	04-1047
165 mm - 6 1/2"	04-1032	04-1040	04-1048
175 mm - 7"	04-1033	04-1041	04-1049
185 mm - 7 1/4"	04-1034	04-1042	04-1050
200 mm - 8"	04-1035	04-1043	04-1051

OPERATING SCISSORS



GRAZIL

	Fig. 1	Fig. 2	Fig. 3
130 mm - 5"	04-1052	04-1053	04-1054
145 mm - 5 3/4"	04-1055	04-1056	04-1057



GRAZIL

	Fig. 1	Fig. 2	Fig. 3
130 mm - 5"	04-1058	04-1059	04-1060
145 mm - 5 3/4"	04-1061	04-1062	04-1063

OPERATING SCISSORS



DEAVER

145 mm - 5 3/4"*



1:2

gerade
straight
droits
recta
rette



1:2

gebogen
curved
courbes
curva
curve



1:2

gerade, gezahnt
straight, saw edge
droits, dentelés
recta, dentada
rette, dentate



1:2

gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentada
curve, dentate

LANGE

145 mm - 5 3/4"*



1:2

gerade
straight
droits
recta
rette



1:2

gebogen
curved
courbes
curva
curve



1:2

gerade, gezahnt
straight, saw edge
droits, dentelés
recta, dentada
rette, dentate



1:2

gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentada
curve, dentate

OPERATING SCISSORS



MIXER

155 mm - 6"



1:2

gerade
straight
droits
recta
rette



1:2

gebogen
curved
courbes
curva
curve

04-1072	04-1073	04-1074	04-1075
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gerade, gezahnt
straight, saw edge
droits, dentelés
recta, dentada
rette, dentata

gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentada
curve, dentata



LEXER

160 mm - 6 1/4"

210 mm - 8 1/4"



04-1076

04-1077

04-1078

04-1079

OPERATING SCISSORS



RICHTER

140 mm - 5½"

04-1080



FERGUSSON

140 mm - 5½"

04-1081

160 mm - 6¼"

04-1082

180 mm - 7"

04-1083



130 mm - 5"

04-1084

145 mm - 5¾"

04-1085

OPERATING SCISSORS- DISSECTING SCISSORS



MAYO

145 mm - 5 7/8"	04-1086	04-1090
150 mm - 6"	04-1087	04-1091
170 mm - 6 3/4"	04-1088	04-1092
230 mm - 9"	04-1089	04-1093



MAYO-STILLE

150 mm - 6"	04-1094	04-1098
170 mm - 6 3/4"	04-1095	04-1099
195 mm - 7 3/4"	04-1096	04-1100
210 mm - 8 1/4"	04-1097	04-1101



OPERATING SCISSORS- DISSECTING SCISSORS



MAYO-HARRINGTON

220 mm - 8 7/8"



1:2



1:2

	04-1102	04-1103
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MAYO-NOBLE

170 mm - 6 3/4"



1:2



1:2

	04-1104	04-1105
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OPERATING SCISSORS- DISSECTING SCISSORS



WERTHEIM

145 mm - 5 $\frac{3}{4}$ "*	04-1106
225 mm - 8 $\frac{3}{4}$ "*	04-1107



METZENBAUM

150 mm - 6"	04-1108	04-1109
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OPERATING SCISSORS- DISSECTING SCISSORS



METZENBAUM			
	Fig. 1	Fig. 2	Fig. 3
115 mm - 4 1/2"	04-1110		
145 mm - 5 1/2"	04-1111	04-1112	04-1113



METZENBAUM			
	Fig. 1	Fig. 2	Fig. 3
115 mm - 4 1/2"	04-1114		
145 mm - 5 1/2"	04-1115	04-1116	04-1117



OPERATING SCISSORS- DISSECTING SCISSORS



**METZENBAUM-
NELSON**

	Fig. 1	Fig. 2	Fig. 3
180 mm - 7"	04-1118	04-1124	04-1130
200 mm - 8"	04-1119	04-1125	04-1131
230 mm - 9"	04-1120	04-1126	04-1132
250 mm - 9 3/4"	04-1121	04-1127	04-1133
280 mm - 11"	04-1122	04-1128	04-1134
300 mm - 12"	04-1123	04-1129	04-1135



**METZENBAUM-
NELSON**

	Fig. 1	Fig. 2	Fig. 3
180 mm - 7"	04-1136	04-1142	04-1148
200 mm - 8"	04-1137	04-1143	04-1149
230 mm - 9"	04-1138	04-1144	04-1150
250 mm - 9 3/4"	04-1139	04-1145	04-1151
280 mm - 11"	04-1140	04-1146	04-1152
300 mm - 12"	04-1141	04-1147	04-1153

OPERATING SCISSORS- DISSECTING SCISSORS



METZENBAUM-FINO



1:2



1:2



1:2



1:2

	Fig. 1	Fig. 3	Fig. 1	Fig. 3
145 mm - 5 7/8"	04-1154	04-1155	04-1156	04-1157



METZENBAUM-FINO



180 mm - 7"	04-1158	04-1159	04-1160
200 mm - 7 7/8"	04-1161	04-1162	04-1163
230 mm - 9"	04-1164	04-1165	04-1166

S-förmig gebogen
S-curved

courbes en S
curva en S
curve a forma di S

DISSECTING SCISSORS



FOMON
135 mm - 5 1/4"
04-1167



THOREK
190 mm - 7 1/2"
04-1168

Gynäkologische Scheren
Gynaecological scissors

Ciseaux à gynécologie
Tijeras para ginecología
Forbici per ginecologia



SIMS

	Fig. 1	Fig. 2	Fig. 1	Fig. 2
200 mm - 8"	04-1169	04-1171	04-1173	04-1175
230 mm - 9"	04-1170	04-1172	04-1174	04-1176

GYNECOLOGY SCISSORS



DUBOIS

270 mm - 10 3/4"



1:2

04-1177



1:2

04-1178



DOYEN

175 mm - 7"



1:2

04-1179



1:2

04-1180



SIEROLD

240 mm - 9 1/2"

04-1181

S-förmig gebogen
S-curved

courbes en S
curva en S
curve a forma di S

1:2

FINE OPERATING SCISSORS



	Fig. 1	Fig. 2	Fig. 3
120 mm - 4 3/4"	04-1182	04-1183	04-1184



	Fig. 1	Fig. 2	Fig. 3
120 mm - 4 3/4"	04-1185	04-1186	04-1187



KNAPP		
105 mm - 4 1/4"	04-1188	04-1189

stumpf
blunt
mousses
roma
smusse

1:2

FINE SCISSORS



WAGNER

120 mm - 4 3/4"



1:2



1:2

04-1190	04-1191	04-1192	04-1193
<i>gerade straight</i>	<i>gerade, gezahnt straight, saw edge</i>	<i>gebogen curved</i>	<i>gebogen, gezahnt curved, saw edge</i>
<i>droits recta rette</i>	<i>droits, denteles recta, dentada rette, dentate</i>	<i>courbes curva curve</i>	<i>courbes, denteles curva, dentada curve, dentate</i>



**BROPHY
(SULLIVAN)**

145 mm - 5 3/4"



1:2



1:2

04-1194	04-1195
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LITTLER

115 mm - 4 1/2"

145 mm - 5 3/4"



04-1196
04-1197

FINE SCISSORS



LOCKLIN

165 mm - 6 1/2"

04-1198

04-1199

gezahnt
saw edge,
dentelées
dentada
dentate

QUINBY

125 mm - 5"

04-1200



REYNOLDS

160 mm - 6 3/8"

04-1201

04-1203

180 mm - 7"

04-1202

04-1204



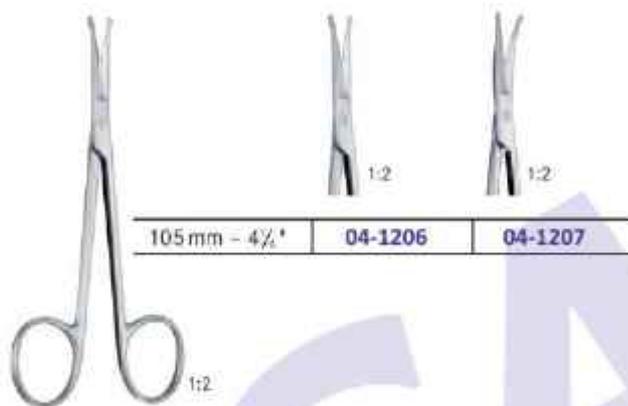
NEUMANN

120 mm - 4 3/4"

04-1205

S-förmig gebogen
S-curved
courbes en S
curva en S
curve a forma di S

FINE SCISSORS



FINE SCISSORS



90 mm - 3 1/2"	04-1212	04-1215
100 mm - 4"	04-1213	04-1216
115 mm - 4 1/2"	04-1214	04-1217



SANVENERO		
145 mm - 5 3/4"	04-1218	04-1219

ARSA ENTERPRISES



LEXER-BABY				
100 mm - 4"	04-1220	04-1221	04-1222	04-1223

gerade
straight
droits
recta
rette

gerade, gezahnt
straight, saw edge
droits, dentelés
recta, dentada
rette, dentate

gebogen
curved
courbes
curva
curve

gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentad
curve, dentate

FISTULA SCISSORS

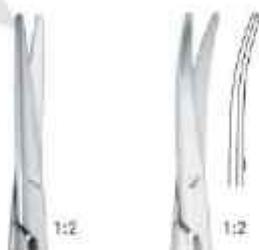


KELLY

160 mm - 6 1/4"	04-1224	04-1226
180 mm - 7"	04-1225	04-1227

Enucleationsscheren
Enucleation scissors

Ciseaux à énucléation
Tijeras para enucleación
Forbici per enucleazione



LANDOLDT

125 mm - 5"	04-1228	04-1229
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CHADWICK

110 mm - 4 1/8"	04-1230
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110 mm - 4 1/8"	04-1231
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PLASTIC SURGERY SCISSORS



JOSEPH

140 mm - 5 1/2"



1:2

04-1232



1:2

04-1233



KILNER (RAGNELL)

120 mm - 4 3/4"

04-1234

150 mm - 6"

04-1235



GORNEY

200 mm - 8"

04-1236

04-1237



1:2



1:2

ARTERY SCISSORS



145 mm - 5 7/8"
04-1238

- 1 Blatt mit Sondenspitze
- 1 Blade with probe
- 1 Lame avec sonde
- 1 Punta forma sonda
- 1 Lama con sonda



LINCOLN
170 mm - 6 3/4"



04-1239



04-1240



115 mm - 4 1/2"
04-1241



FULTON
170 mm - 6 3/4"
04-1242

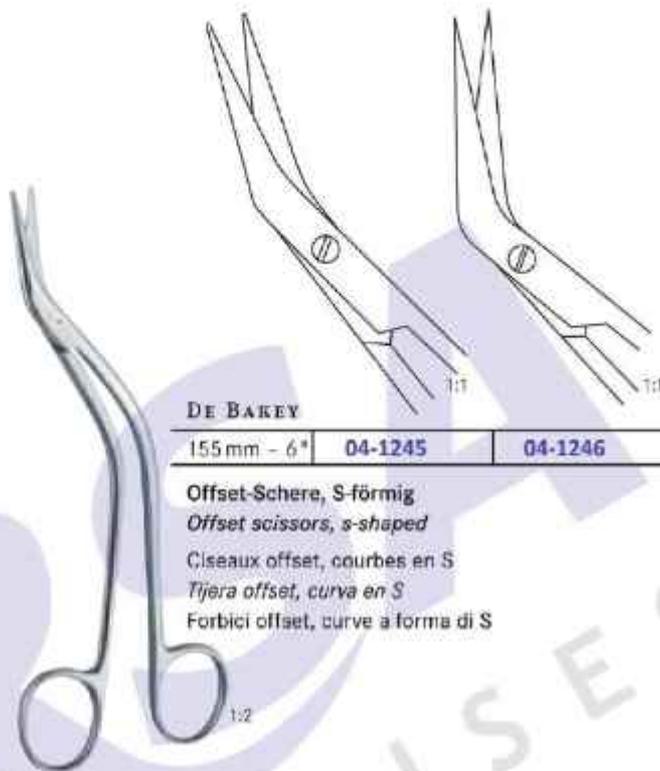


**POTTS-SMITH
(DE MARTEL)**
195 mm - 7 3/4"
04-1243

ARTERY SCISSORS



FAVALORO
150 mm - 6°
04-1244



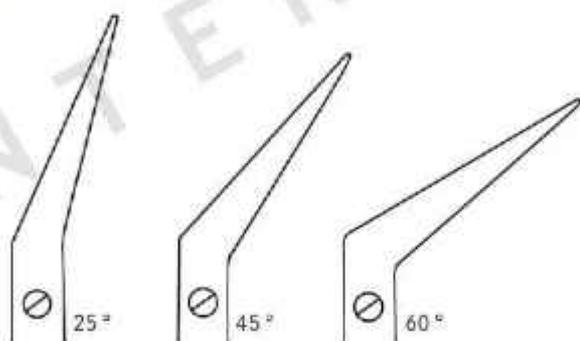
DE BAKEY
155 mm - 6° **04-1245** **04-1246**

Offset-Schere, S-förmig
Offset scissors, s-shaped
Ciseaux offset, courbes en S
Tijera offset, curva en S
Forbici offset, curve a forma di S



DE BAKEY

160 mm - 6 1/4°	04-1247	04-1250	04-1253
230 mm - 9°	04-1248	04-1251	04-1254
280 mm - 11°	04-1249	04-1252	04-1255



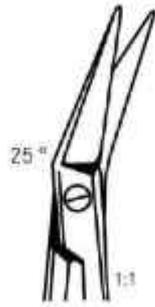
MILLS
225 mm - 8 1/4°
04-1256

ARTERY SCISSORS



**POTTS-DE
MARTEL**

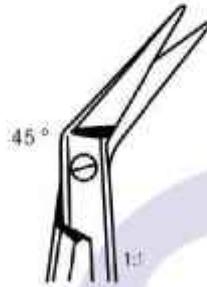
190 mm - 7 1/2"



25°

1:1

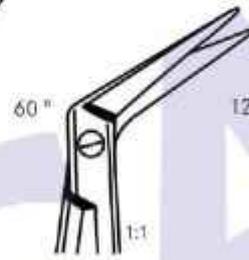
04-1257



45°

1:1

04-1258



60°

1:1

04-1259



125°

1:1

04-1260



25°

1:1

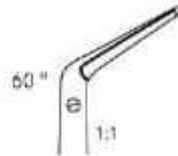
04-1261



45°

1:1

04-1262



60°

1:1

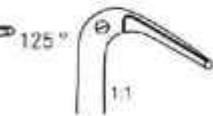
04-1263



90°

1:1

04-1264

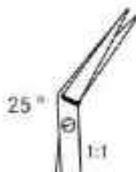


125°

1:1

04-1265

180 mm - 7"



25°

1:1

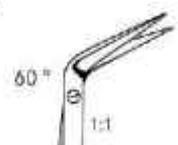
04-1266



45°

1:1

04-1267



60°

1:1

04-1268



90°

1:1

04-1269



125°

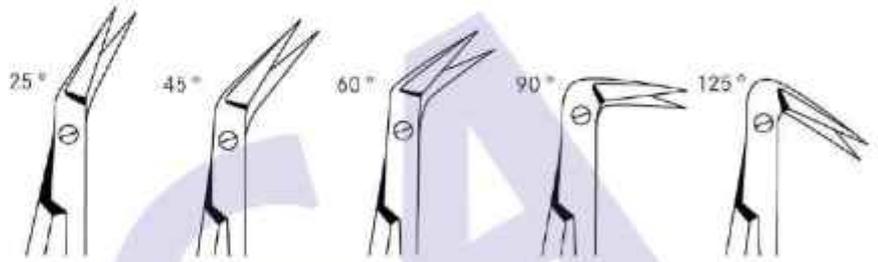
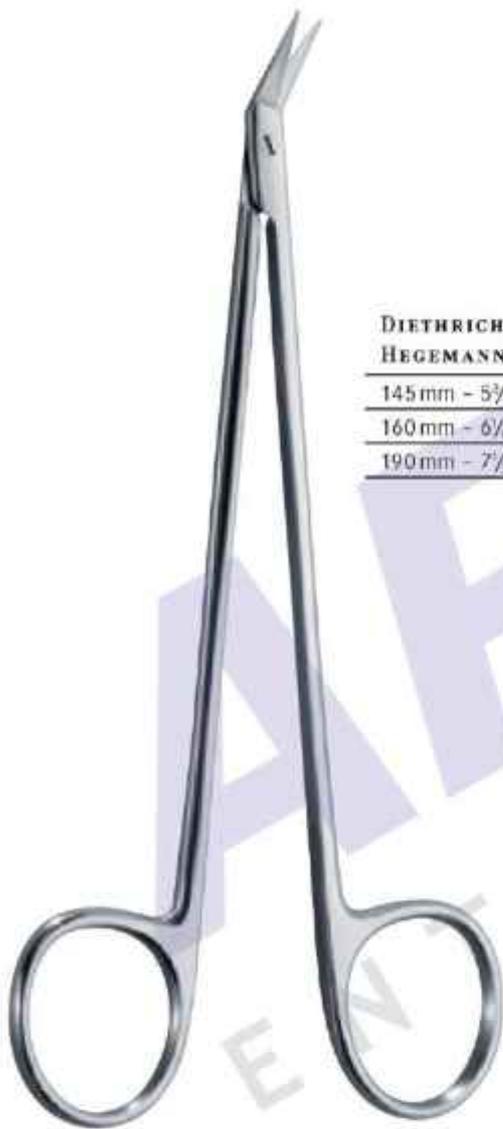
1:1

04-1270



1:2

ARTERY SCISSORS



**DIETRICH-
HEGEMANN**

145 mm - 5 $\frac{3}{4}$ "	04-1271	04-1274	04-1277	04-1280	04-1283
160 mm - 6 $\frac{1}{4}$ "	04-1272	04-1275	04-1278	04-1281	04-1284
190 mm - 7 $\frac{1}{2}$ "	04-1273	04-1276	04-1279	04-1282	04-1285

CARTILAGE SCISSORS



MARTIN-CARTILAGE

190 mm - 7 1/2" **04-1286**

gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentada
curve, dentate



MC INDOE

190 mm - 7 1/2" **04-1287**



POTTS-SMITH

190 mm - 7 1/2" **04-1288**

TONSIL SCISSORS



BOETTCHER
180 mm - 7" **04-1289**



PRINCE
175 mm - 7" **04-1290**



TOENNIS-ADSON
170 mm - 6 3/4" **04-1291**



TOENNIS
180 mm - 7" **04-1292** **04-1293**



TONSIL SCISSORS



DEAN

170 cm - 6 3/4"	04-1294	04-1295
-----------------	----------------	----------------

gebogen <i>curved</i>	gebogen, gezahnt <i>curved, saw edge</i>
courbes	courbes, dentelés
curva	curva, dentada
curve	curve, dentate

1:2



WERTHEIM

190 mm - 7 1/2"	04-1296
-----------------	----------------

1:2



OLIVECRONA

230 mm - 9"	04-1297
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Trigeminusschere
Trigeminal scissors
Ciseaux pour le trigéminus
Tijera para nervio trigémino
Forbici per il nervo trigemino

1:2



Good

190 mm - 7 1/2"	04-1298
-----------------	----------------

1:2

LOBECTOMY SCISSORS



CRAFOORD

300 mm - 12"	04-1299
--------------	----------------

1:3



WILLAUER

250 mm - 9 3/4"	04-1300	04-1302
-----------------	----------------	----------------

280 mm - 11"	04-1301	04-1303
--------------	----------------	----------------

gerade
straight

droits
recta
rette

gebogen
curved

courbes
curva
curve



FINOCHIETTO

270 mm - 10 3/4"	04-1304
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1:3



RESANO

250 mm - 10"	04-1305
--------------	----------------

1:3

THORAX SCISSORS



SATINSKY

245 mm - 9 3/4"

04-1306



KLINKENBERG-LOTH

230 mm - 9"

04-1307



JORGENSEN

220 mm - 8 3/4"

04-1308

ENTEROTOMY SCISSORS



	Fig. 1	Fig. 2	Fig. 3
210 mm - 8 1/2"	04-1309	04-1310	04-1311

UMBILICAL SCISSORS



BUSCH

130 mm - 5"	04-1312	04-1314
160 mm - 6 1/4"	04-1313	04-1315

gezahnt
saw edge
dentalés
dentada
dentate



SCHUMACHER

160 mm - 6 1/4"	04-1316
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MOD. USA

105 mm - 4 1/4"	04-1317
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EPISIOTOMY SCISSORS



BRAUN-STADLER

145 mm - 5 1/2"

04-1318

220 mm - 8 1/2"

04-1319



WALDMANN

180 mm - 7"

04-1320

1:2

PERAMETRIUM SCISSORS



230 mm - 9"	225 mm - 8 3/4"
04-1321	04-1322

NASAL SCISSORS



SAILER

170mm - 6 1/2" **04-1323**



HEYMANN

180mm - 7" **04-1324**



FOMON

130mm - 5" **04-1325**



COTTLE

160mm - 6 1/2" **04-1326**

MICRO SCISSORS



NOYES

	Fig. 1	Fig. 2	Fig. 3
120 mm - 4 3/4"	04-1327	04-1328	04-1329
gerade straight	spitz - spitz sharp - sharp	spitz - stumpf sharp - blunt	stumpf - stumpf blunt - blunt
droits	pointue - pointue	pointue - mousse	mousse - mousse
recta	aguda - aguda	roma - aguda	roma - roma
rette	acuta - acuta	acuta - smussa	smussa - smussa



NOYES

	Fig. 1	Fig. 2	Fig. 3
120 mm - 4 3/4"	04-1330	04-1331	04-1332
abgewinkelt angulated	spitz - spitz sharp - sharp	spitz - stumpf sharp - blunt	stumpf - stumpf blunt - blunt
coudé	pointue - pointue	pointue - mousse	mousse - mousse
angulado	aguda - aguda	roma - aguda	roma - roma
angulate	acuta - acuta	acuta - smussa	smussa - smussa

MICRO SCISSORS



120 mm - 4 3/4" **04-1333**



BARRAQUER

	55 mm - 2 1/4"
x = 7 mm	04-1334
x = 10 mm	04-1335



WECKER



	Fig. 1	Fig. 2	Fig. 3
110 mm - 4 3/8"	04-1336	04-1337	04-1338

spitz - stumpf
sharp - blunt

pointue - mousse
roma - aguda
acuta - smussa

stumpf - stumpf
blunt - blunt

mousse - mousse
roma - roma
smussa - smussa

spitz - spitz
sharp - sharp

pointue - pointue
aguda - aguda
acuta - acuta

MICRO SCISSORS



WESTCOTT

115 mm - 4 1/2"



1:1

04-1339



1:1

04-1340



CASTROVIEJO

90 mm - 3 1/2"

04-1341

1:1

MICRO SCISSORS



VANNAS

80 mm - 3 1/8"



1:1



1:1

04-1342

04-1343



CASTROVIEJO

100 mm - 4"



1:1



1:1

04-1344

04-1345

<i>spitz - spitz</i>	<i>stumpf - stumpf</i>
<i>sharp - sharp</i>	<i>blunt - blunt</i>
<i>pointue - pointue</i>	<i>mousse - mousse</i>
<i>aguda - aguda</i>	<i>roma - roma</i>
<i>acuta - acuta</i>	<i>smussa - smussa</i>

TENOTOMY SCISSORS



WESTCOTT

110 mm - 4 1/4"

04-1346

04-1347

spitz - spitz
sharp - sharp
pointue - pointue
aguda - aguda
acuta - acuta

stumpf - stumpf
blunt - blunt
mousse - mousse
roma - roma
smusse - smussa

IRIS SCISSORS



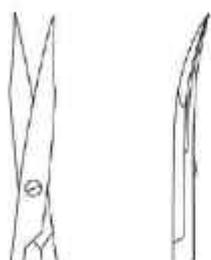
120 mm - 4 3/8"	04-1348	04-1349
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115 mm - 4 1/2"	04-1350	04-1351	04-1352	04-1353
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<i>gerade</i> <i>straight</i> droits <i>recta</i> rette	<i>gebogen</i> <i>curved</i> courbes <i>curva</i> curve	<i>kniegebogen</i> <i>angular</i> coudés <i>acodada</i> angiolata	<i>seitwärts gebogen</i> <i>laterally curved</i> courbes laterale <i>curva lateral</i> curvata lateralmente
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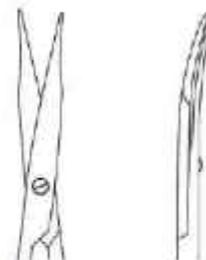
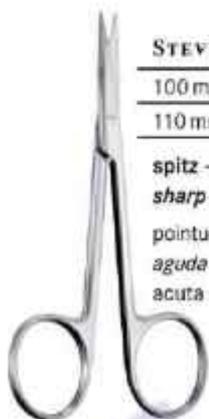
TENOTOMY SCISSORS



STEVENS

100 mm - 4°	04-1354	04-1356
110 mm - 4½°	04-1355	04-1357

spitz - spitz
sharp - sharp
pointue - pointue
aguda - aguda
acuta - acuta



STEVENS

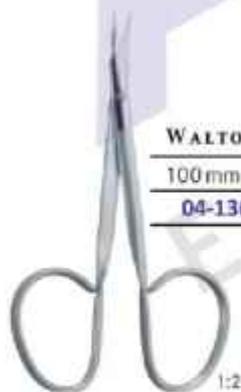
100 mm - 4°	04-1358	04-1360
110 mm - 4½°	04-1359	04-1361

stumpf - stumpf
blunt - blunt
mousse - mousse
roma - roma
smussa - smussa



WALTON

100 mm - 4°	04-1362
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1:2

GRAEFE

95 mm - 3¼°	04-1363
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1:2

STRABISMUS SCISSORS



Anatomische Scheren
Anatomy scissors

Ciseaux à dissequer
Tijeras para anatomia
Forbici per anatomia



115 mm - 4 1/2"	04-1368	04-1371
130 mm - 5"	04-1369	04-1372
140 mm - 5 1/2"	04-1370	04-1373

SCISSORS



TAYLOR
145 mm - 5 7/8" *
04-1374

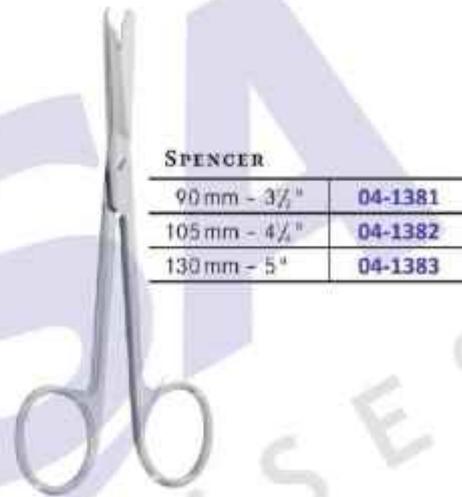
SCHMIEDEN
170 mm - 6 3/4" *
04-1375

DANDY
170 mm - 6 3/4" *
04-1376



STRULLY
220 mm - 8 3/4" * **04-1377** **04-1378**

LIGATURE SCISSORS



LIGATURE SCISSORS



NORTHBENT

90 mm - 3 1/2"	04-1387
125 mm - 5"	04-1388



HEATH

150 mm - 6"	04-1389
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gezahnt
saw edge
denteles
dentada
dentata

1:2



120 mm - 4 3/4"	04-1390
-----------------	----------------

gezahnt
saw edge
denteles
dentada
dentata

1:2



EISELSBERG

110 mm - 4 1/4"	04-1391
-----------------	----------------

1:2



105 mm - 4 1/4"	04-1392
-----------------	----------------

1:2

WIRE CUTTING SCISSORS



UNIVERSAL

120 mm - 4 3/4"

04-1393

gezahnt
saw edge
dentalés
dentada
dentata



HARVEY

125 mm - 5"

04-1394

gezahnt
saw edge
dentalés
dentada
dentata



SCHUHKNECHT

125 mm - 5"

04-1395

gezahnt
saw edge
dentalés
dentada
dentata



BEEBEE

100 mm - 4"

120 mm - 4 3/4"

gerade, gezahnt für weichen Draht bis ø 0,8 mm
straight, saw edge for soft wire up to ø 0.8 mm
droits, dentelée pour fils doux à ø 0.8 mm
recta, dentada para alambres blanda hasta ø 0.8 mm
rette, dentata per filo morbido fino a ø 0.8 mm



04-1396

04-1398

04-1400

04-1402

04-1397

04-1399

04-1401

04-1403

stumpf - stumpf
blunt - blunt

spitz - spitz
sharp - sharp

stumpf - stumpf, gezahnt
blunt - blunt, saw edge

spitz - spitz
sharp - sharp

mousse - mousse
roma - roma
smussa - smussa

pointue - pointue
aguda - aguda
acuta - acuta

mousse - mousse, dentelée
roma - roma, dentada
smussa - smussa, dentata

pointue - poin
aguda - aguda
acuta - acuta



BEEBEE

100 mm - 4"

120 mm - 4 3/4"

gebogen, gezahnt für weichen Draht bis ø 0,8 mm
curved, saw edge for soft wire up to ø 0.8 mm
courbes, dentelée pour fils doux à ø 0.8 mm
curva, dentada para alambres blanda hasta ø 0.8 mm
curve, dentata per filo morbido fino a ø 0.8 mm



04-1404

04-1406

04-1408

04-1410

04-1405

04-1407

04-1409

04-1411

stumpf - stumpf
blunt - blunt

spitz - spitz
sharp - sharp

stumpf - stumpf, gezahnt
blunt - blunt, saw edge

spitz - spitz
sharp - sharp

mousse - mousse
roma - roma
smussa - smussa

pointue - pointue
aguda - aguda
acuta - acuta

mousse - mousse, dentelée
roma - roma, dentada
smussa - smussa, dentata

pointue - point
aguda - aguda
acuta - acuta

BANDAGE SCISSORS



UNIVERSAL

150 mm - 6"	04-1412
180 mm - 7"	04-1413



LISTER

90 mm - 3½"	04-1414
110 mm - 4¼"	04-1415
140 mm - 5½"	04-1416
160 mm - 6¼"	04-1417
180 mm - 7"	04-1418
200 mm - 8"	04-1419



180 mm - 7"	04-1420
200 mm - 8"	04-1421

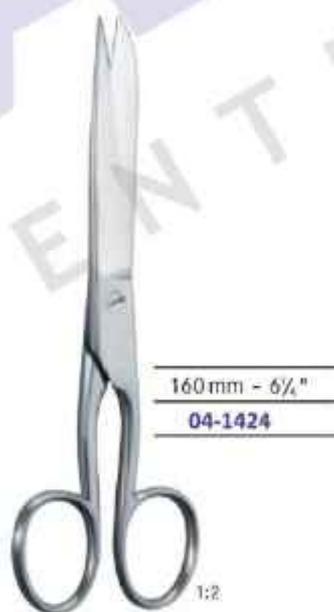
BANDAGE SCISSORS



LANGE
180 mm - 7"
04-1422



KNOWLES
140 mm - 5½"
04-1423



160 mm - 6¼"
04-1424



SMITH (MOD. USA)	
160 mm - 6¼"	04-1425
180 mm - 7"	04-1426
200 mm - 8"	04-1427
230 mm - 9"	04-1428

BANDAGE SCISSORS- PLASTER SHEARS



ESMARCH

200 mm - 8"	04-1429
220 mm - 8½"	04-1430



EXCENTRIC

160 mm - 6¼"	04-1431
190 mm - 7½"	04-1432

gezahnt
saw edge
denteleés
dentadas
dentate



BERGMANN

230 mm - 9"	04-1433
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1:2



LORENZ

230 mm - 9"	04-1434
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1:2

PLASTER SHEARS



BRUNS

240 mm - 9 1/2"

04-1435

04-1436

gezahnt
saw edge
dentalés
dentaladas
dentate

1:2



1:2



1:2



1:2

200 mm - 8"

04-1437



1:2

230 mm - 9"

04-1438

CUTICLE SCISSORS - NAIL SCISSORS



100 mm - 4"	04-1439	04-1441
110 mm - 4 1/4"	04-1440	04-1442



90 mm - 3 1/2"	04-1443	04-1446
100 mm - 4"	04-1444	04-1447
110 mm - 4 1/4"	04-1445	04-1448



Nagelspaltscheren
Nail splitting scissors

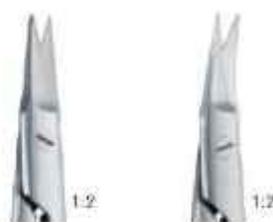
Ciseaux à ongles
Tijeras para uñas
Forbici per unghie



130 mm - 5"	04-1449
150 mm - 6"	04-1450



SYSTRUNK		
130 mm - 5"	04-1451	04-1452



NAIL NIPPERS



110 mm - 4 1/2"	04-1453
130 mm - 5"	04-1454
150 mm - 6"	04-1455



140 mm - 5 1/2"	04-1456
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140 mm - 5 1/2"	04-1457
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TURNBULL

115 mm - 4 1/2"	04-1458
130 mm - 5"	04-1459



100 mm - 4"	04-1460
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COHEN

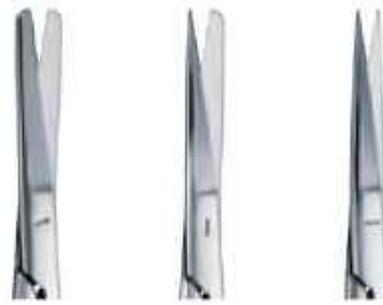
100 mm - 4"	04-1461
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OPERATING SCISSORS TC



STANDARD

	Fig. 1	Fig. 2	Fig. 3
145 mm - 5 7/8"	04-1462	04-1464	04-1466
165 mm - 6 1/2"	04-1463	04-1465	04-1467



STANDARD

	Fig. 1	Fig. 2	Fig. 3
145 mm - 5 7/8"	04-1468	04-1470	04-1472
165 mm - 6 1/2"	04-1469	04-1471	04-1473



LEXER

165 mm - 6 1/2"	04-1474	04-1476
210 mm - 8 1/2"	04-1475	04-1477



OPERATING SCISSORS-DISSECTING SCISSORS TC



MAYO

145 mm - 5 3/4"	04-1478	04-1481
170 mm - 6 3/4"	04-1479	04-1482
230 mm - 9"	04-1480	04-1483



MAYO-STYLE

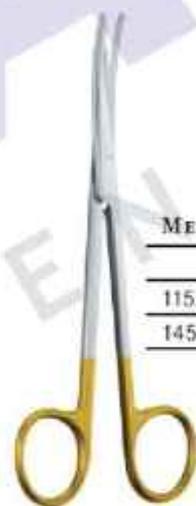
150 mm - 6"	04-1484	04-1486
170 mm - 6 3/4"	04-1485	04-1487



OPERATING SCISSORS-DISSECTING SCISSORS TC



METZENBAUM			
	Fig. 1	Fig. 2	Fig. 3
115 mm - 4 1/2" ^a	04-1488		
145 mm - 5 3/4" ⁿ	04-1489	04-1490	04-1491



METZENBAUM			
	Fig. 1	Fig. 2	Fig. 3
115 mm - 4 1/2" ^a	04-1492		
145 mm - 5 3/4" ⁿ	04-1493	04-1494	04-1495

OPERATING SCISSORS-DISSECTING SCISSORS TC



METZENBAUM-NELSON



	Fig. 1	Fig. 2	Fig. 3
180 mm - 7°	04-1496	04-1502	04-1505
200 mm - 8°	04-1497	04-1503	04-1506
230 mm - 9°	04-1498	04-1504	04-1507
250 mm - 10°	04-1499		
280 mm - 11°	04-1500		
300 mm - 12°	04-1501		



METZENBAUM-NELSON



	Fig. 1	Fig. 2	Fig. 3
180 mm - 7°	04-1508	04-1515	04-1518
200 mm - 8°	04-1509	04-1516	04-1519
230 mm - 9°	04-1510	04-1517	04-1520
250 mm - 10°	04-1511		
280 mm - 11°	04-1512		
300 mm - 12°	04-1513		
350 mm - 14°	04-1514		

OPERATING SCISSORS-DISSECTING SCISSORS TC



METZENBAUM-FINO	 1:2	 1:2
	Fig. 1	Fig. 1
145 mm - 5 7/8"	04-1521	04-1522



METZENBAUM-FINO	 1:2	 1:2
	Fig. 3	Fig. 3
145 mm - 5 7/8"	04-1523	04-1524

DISSECTING SCISSORS TC



METZENBAUM-FINO

180 mm - 7"	04-1525	04-1528
200 mm - 8"	04-1526	04-1529
230 mm - 9"	04-1527	04-1530



METZENBAUM-FINO

180 mm - 7"	04-1531
200 mm - 8"	04-1532
230 mm - 9"	04-1533

S-förmig gebogen
S-curved
courbes en S
curva en S
curve a forma di S

Feine Scheren
Fine scissors
Ciseaux fins
Tijeras finas
Forbici fini



LOCKLIN

165 mm - 6 1/2"	04-1534	04-1535
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gerade, gezahnt
straight, saw edge
droits, dentelés
recta, dentada
rette, dentate

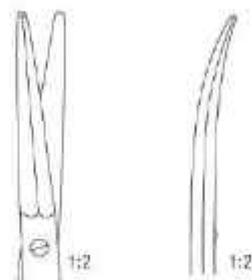
gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentada
curve, dentate

PLASTIC SURGERY SCISSORS TC



GORNEY

200 mm - 8"	04-1536	04-1538
230 mm - 9"	04-1537	04-1539



KAYE

115 mm - 4½"	04-1540
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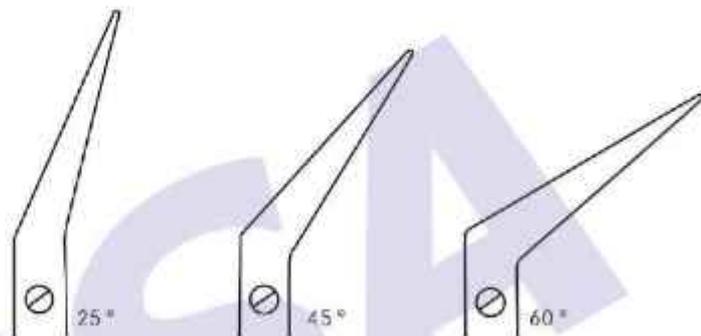


KILNER (RAGNELL)

120 mm - 4¾"	04-1541
150 mm - 6"	04-1542

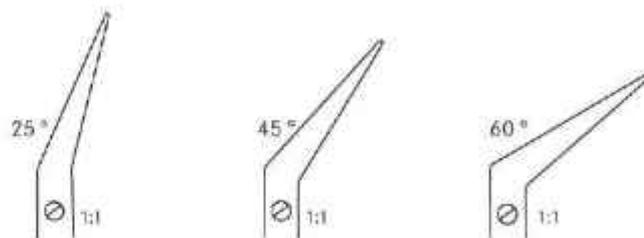


ARTERY SCISSORS TC



DE BAKEY

160 mm - 6 1/2"	04-1543	04-1546	04-1549
230 mm - 9"	04-1544	04-1547	04-1550
280 mm - 11"	04-1545	04-1548	04-1551



**POTTS-
DE MARTEL**

190 mm - 7 1/2"	04-1552	04-1553	04-1554
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TONSIL SCISSORS TC



**TOENNIS-
ADSON**

170 mm - 6 7/8"

04-1555



DEAN

170 mm - 6 7/8"

04-1556

gebogen, gezahnt

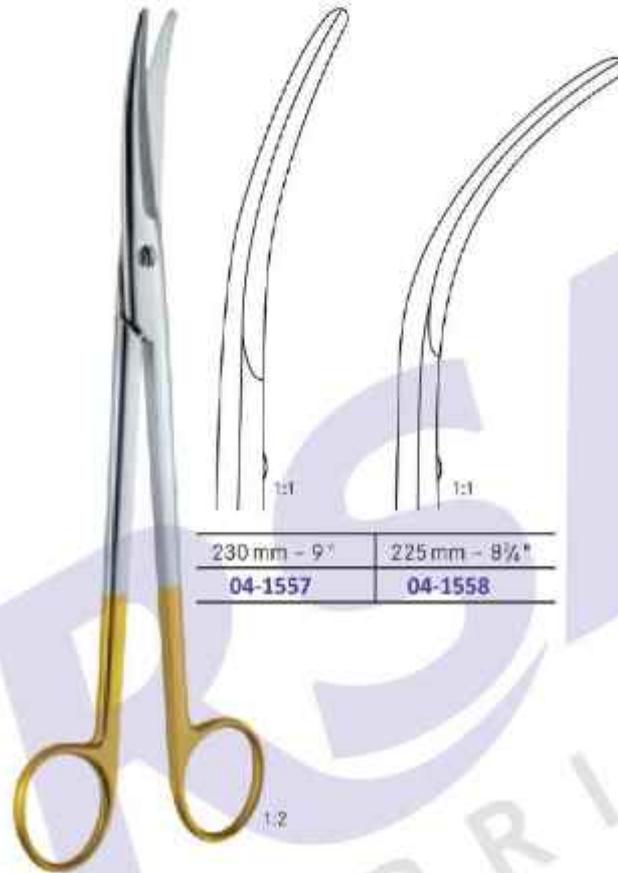
curved, saw edge

courbes, dentelés

curvas, dentadas

curve, dentate

PEREMETRIUM SCISSORS TC



230 mm - 9"	225 mm - 8 7/8"
04-1557	04-1558

Irisscheren | Ciseaux à iridectomie
Iris scissors | Tijeras para iridectomia
Forbici per iridectomia



115 mm - 4 1/2"	04-1559	04-1560	04-1561
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gerade <i>straight</i>	gebogen <i>curved</i>	kniegebogen <i>angular</i>
droits <i>recta</i>	courbes <i>curva</i>	coudés <i>acodada</i>
rette	curve	angolata

WIRE CUTTING SCISSORS TC



UNIVERSAL

120 mm - 4 7/8"

04-1562

Verbandscheren
Bandage scissors

Ciseaux pour pansements
Tijeras para vendajes
Forbici per bendaggi



LISTER

180 mm - 7"

04-1563



BRUNS

240 mm - 9 1/2"

04-1564

OPERATING SCISSORS TC



METZENBAUM-FINO

	Fig. 1
145 mm - 5 7/8"	04-1565



TOENNIS-ADSON

170 mm - 6 3/4"	04-1566
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METZENBAUM-NELSON

	Fig. 1
180 mm - 7"	04-1567
200 mm - 8"	04-1568
230 mm - 9"	04-1569
250 mm - 10"	04-1570



METZENBAUM

	Fig. 1
145 mm - 5 7/8"	04-1571

OPERATING SCISSORS TC



115 mm - 4 1/2"



1:2

04-1572

gebogen
curved
courbes
curva
curve

1:2



MAYO

170 mm - 6 3/4"



04-1573



STANDARD

145 mm - 5 3/4"



Fig. 1

04-1574



LEXER

165 mm - 6 1/2"



04-1575

OPERATING SCISSORS TC



**METZENBAUM-
FINO**

180 mm - 7"	04-1576
200 mm - 8"	04-1577
230 mm - 9"	04-1578

OPERATING SCISSORS SUPER CUT



1:2

METZENBAUM

145 mm - 5 7/8"	04-1579	04-1580
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1:2



1:2



METZENBAUM-NELSON

	Fig. 1	Fig. 1
180 mm - 7"	04-1581	04-1584
200 mm - 8"	04-1582	04-1585
230 mm - 9"	04-1583	04-1586



Fig. 1



Fig. 1



1:2

115 mm - 4 1/2"	04-1587	04-1588
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1:2



1:2



KILNER (RAGNELL)

120 mm - 4 3/4"	04-1589
150 mm - 6"	04-1590
180 mm - 7"	04-1591
200 mm - 8"	04-1592

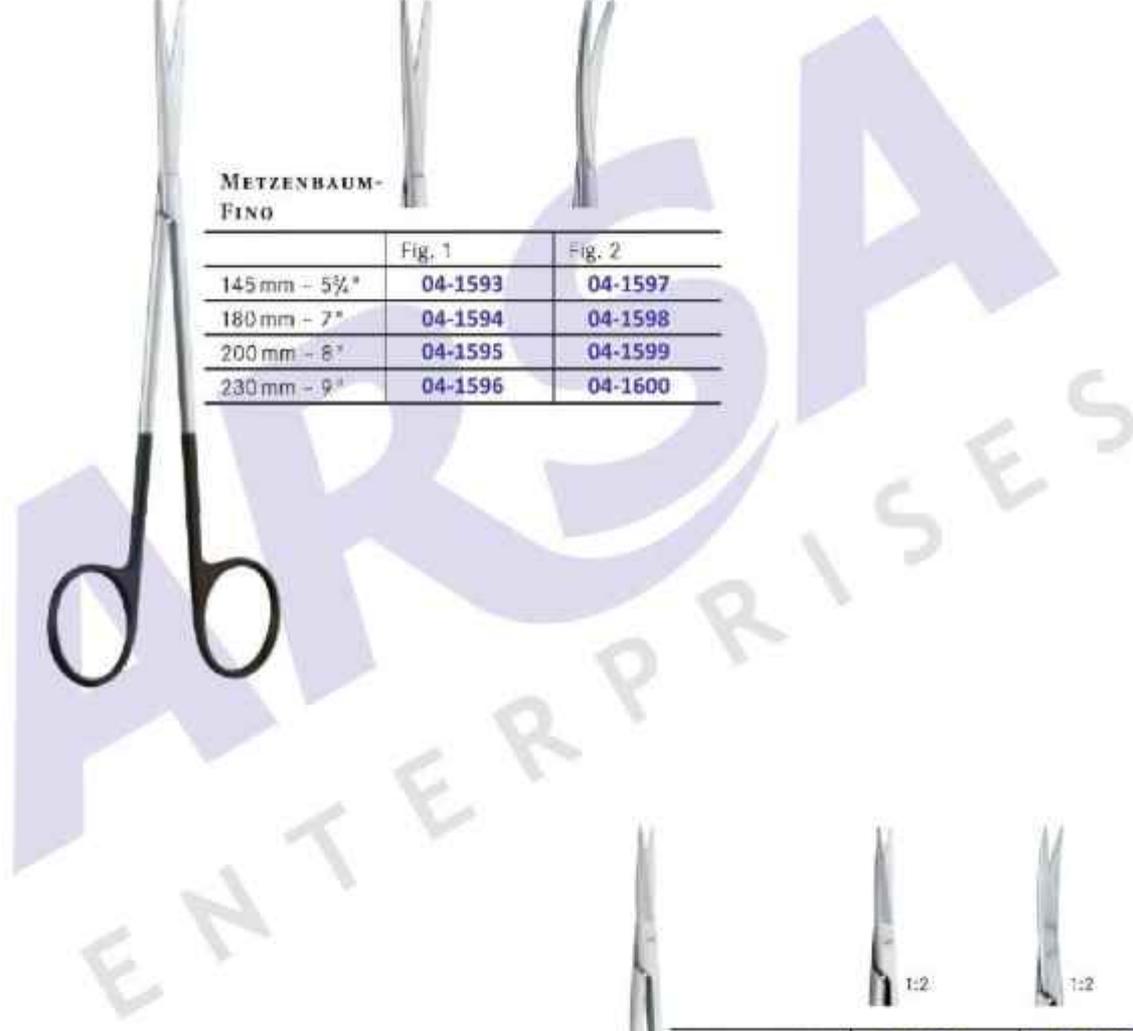


OPERATING SCISSORS SUPER CUT



METZENBAUM-FINO

	Fig. 1	Fig. 2
145 mm - 5 7/8"	04-1593	04-1597
180 mm - 7"	04-1594	04-1598
200 mm - 8"	04-1595	04-1599
230 mm - 9"	04-1596	04-1600



115 mm - 4 1/2"	04-1601	04-1602
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OPERATING SCISSORS SUPER CUT



**GOLDMANN-
FOX**

130 mm - 5"



1:2

04-1603



1:2

04-1604



JOSEPH

140 mm - 5½"



1:2

04-1605



1:2

04-1606

OPERATING SCISSORS SUPER CUT



REYNOLDS

160 mm - 6 1/4"	04-1607	04-1609
180 mm - 7"	04-1608	04-1610



FOMON

130 mm - 5"
04-1615

1:2



STEVENS

100 mm - 4"	04-1611	04-1613
110 mm - 4 1/4"	04-1612	04-1614



OPERATING SCISSORS SUPER CUT



LEXER

160 mm - 6 1/4"	04-1616	04-1617
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1:2



1:2



MAYO

140 mm - 5 1/2"	04-1618	04-1622
150 mm - 6"	04-1619	04-1623
170 mm - 6 3/4"	04-1620	04-1624
230 mm - 9"	04-1621	04-1625



MAYO-STILLE

150 mm - 6"	04-1626	04-1628
170 mm - 6 3/4"	04-1627	04-1629



05

ARSA
ENTERPRISES

FORCEPS



DRESSING FORCEPS



STANDARD

105 mm - 4 1/8"	05-1001	05-1012	05-1021
115 mm - 4 1/2"	05-1002	05-1013	05-1022
130 mm - 5"	05-1003	05-1013	05-1023
145 mm - 5 7/8"	05-1004	05-1014	05-1024
150 mm - 6"	05-1005	05-1015	05-1025
160 mm - 6 1/4"	05-1006	05-1016	05-1026
180 mm - 7"	05-1007	05-1017	05-1027
200 mm - 8"	05-1008	05-1018	05-1028
250 mm - 10"	05-1009	05-1019	05-1029
300 mm - 12"	05-1010	05-1020	05-1030
350 mm - 14"	05-1011		

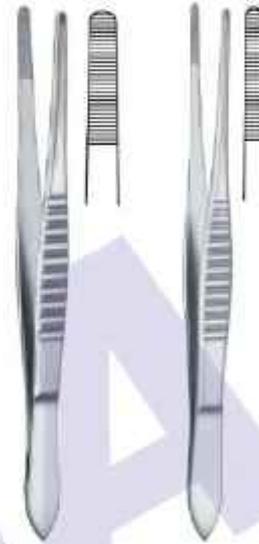
schmal
narrow
étroite
estrecha
stretta

DRESSING FORCEPS



130 mm - 5"	05-1031
145 mm - 5 7/8"	05-1032
160 mm - 6 1/4"	05-1033

kreuzgerieft
cross serrated
striée
estriada
zigrinato a croce



Mod. USA		
120 mm - 4 7/8"	05-1034	05-1042
130 mm - 5"	05-1035	05-1043
145 mm - 5 7/8"	05-1036	05-1044
155 mm - 6"	05-1037	05-1045
160 mm - 7"	05-1038	
210 mm - 8 1/4"	05-1039	
250 mm - 9 7/8"	05-1040	
310 mm - 12 1/4"	05-1041	

schmal
narrow
étroite
estrecha
stretta

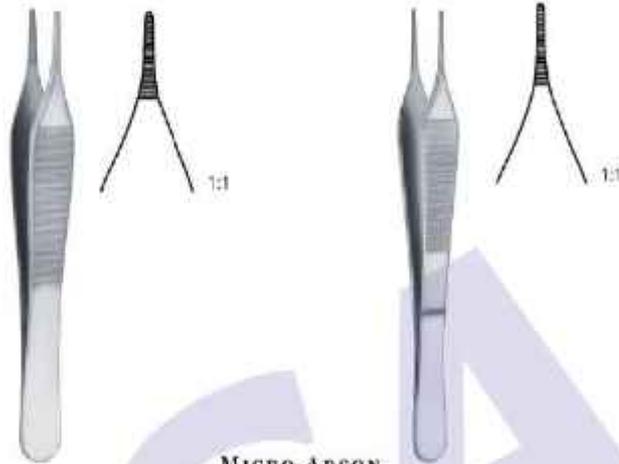


STILLE	
150 mm - 6"	05-1046
180 mm - 7"	05-1047
200 mm - 8"	05-1048



SEMKEN	
125 mm - 5"	05-1049
150 mm - 6"	05-1050

DRESSING FORCEPS

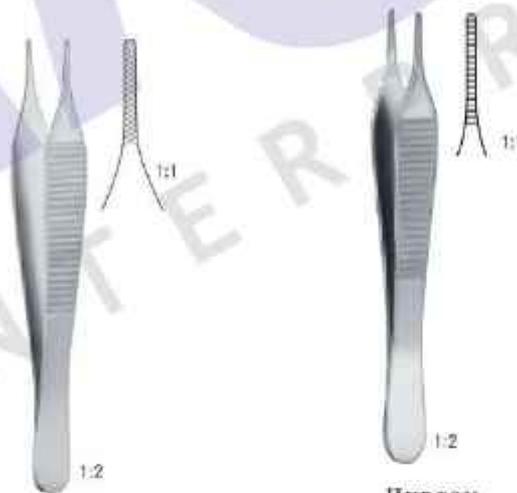


ADSON

120 mm - 4 3/4"	05-1051
150 mm - 6"	05-1052

MICRO-ADSON

120 mm - 4 3/4"	05-1053
150 mm - 6"	05-1054



ADSON

120 mm - 4 3/4"
05-1055

kreuzgerieft
cross serrated
striée
estriada
zigrinato a croce

**HUDSON
(EWALD)**

120 mm - 4 3/4"
05-1056

DRESSING FORCEPS



CUSHING

175 mm - 7"	05-1057	05-1058
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MC INDOE

150 mm - 6"	05-1059
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BROPHY

200 mm - 8"	05-1060	05-1061
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DUEHRSEN

200 mm - 8"	05-1062
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DRESSING FORCEPS



WANGENSTEEN	
150 mm - 6"	05-1063
230 mm - 9"	05-1064



WAUGH	
150 mm - 6"	05-1065
200 mm - 8"	05-1066
250 mm - 9 1/4"	05-1067



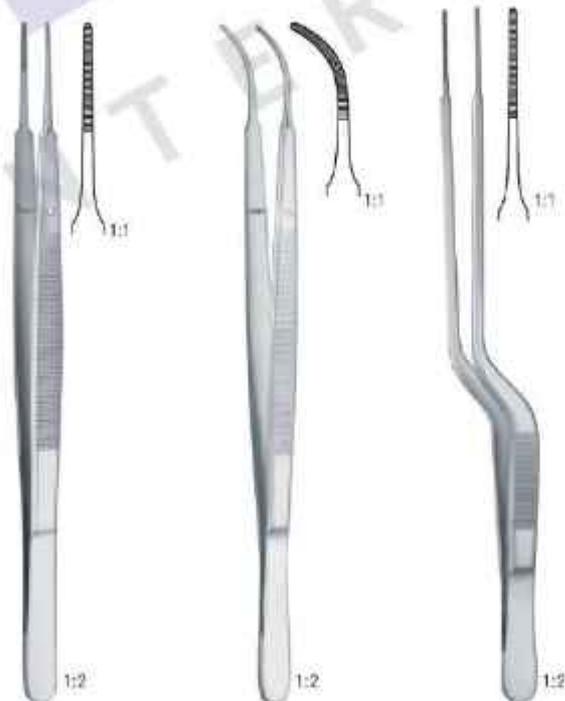
POTTS-SMITH		
180 mm - 7"	05-1068	05-1071
210 mm - 8 1/4"	05-1069	05-1072
250 mm - 9 1/2"	05-1070	05-1073

DRESSING FORCEPS



TAYLOR

175 mm - 7"	05-1074	05-1075	05-1076
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GERALD

180 mm - 7"	05-1077	05-1078	05-1079
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TISSUE FORCEPS



STANDARD

105 mm - 4 1/4"	05-1080	05-1091			
115 mm - 4 1/2"	05-1081	05-1092			05-1109
130 mm - 5"	05-1082	05-1093	05-1101	05-1106	05-1110
145 mm - 5 3/4"	05-1083	05-1094	05-1102	05-1107	05-1111
150 mm - 6"	05-1084	05-1095			
160 mm - 6 1/4"	05-1085	05-1096	05-1103	05-1108	05-1112
180 mm - 7"	05-1086	05-1097			05-1113
200 mm - 8"	05-1087	05-1098			05-1114
250 mm - 9 3/4"	05-1088	05-1099	05-1104		05-1115
300 mm - 12"	05-1089	05-1100	05-1105		
350 mm - 14"	05-1090				

schmal
 narrow
 étroite
 estrecha
 strette

TISSUE FORCEPS



STILLE

150 mm - 6"	05-1116	05-1117
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Mod. USA

120 mm - 4 1/2"	05-1118
130 mm - 5"	05-1119
145 mm - 5 1/2"	05-1120
155 mm - 6"	05-1121
185 mm - 7"	05-1122
210 mm - 8"	05-1123
250 mm - 9 1/4"	05-1124
310 mm - 12 1/4"	05-1125



STONE

150 mm - 6"	05-1126
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LERCHE

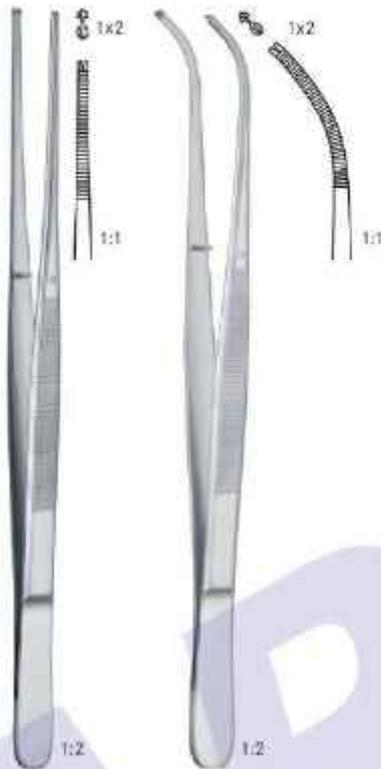
150 mm - 6"	05-1127
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ADLERKREUTZ

150 mm - 6"	05-1128	05-1130
200 mm - 8"	05-1129	05-1131
250 mm - 9 1/4"		05-1132

TISSUE FORCEPS



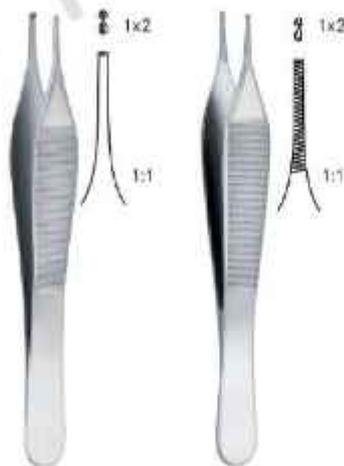
BROPHY

200 mm - 8"	05-1133	05-1134
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POTTS-SMITH

180 mm - 7"	05-1135	05-1138
210 mm - 8 1/4"	05-1136	05-1139
250 mm - 9 1/4"	05-1137	05-1140



ADSON

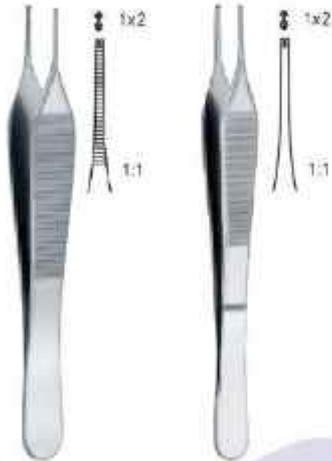
120 mm - 4 3/4"	05-1141	05-1143
150 mm - 6"	05-1142	



**ADSON-
GRAEFE**

120 mm - 4 3/4"	05-1144
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TISSUE FORCEPS



ADSON-MICRO

120 mm - 4 3/4"	05-1145	05-1147
150 mm - 6"	05-1146	05-1148



ADSON-BROWN

120 mm - 4 3/4"	05-1149	05-1150
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**HUDSON
(EWALD)**

120 mm - 4"	05-1151
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ADSON

120 mm - 4 3/4"	05-1152
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**ULTRA-MICRO-ADSON
(BRAKA)**

120 mm - 4 3/4"	05-1153
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TISSUE FORCEPS



GILLIES
150 mm - 6"
05-1154



SEMKEN
125 mm - 5"
05-1155
150 mm - 6"
05-1156



DUVAL
145 mm - 5 1/2"
05-1157



TREVES
125 mm - 5"
05-1158
150 mm - 6"
05-1159



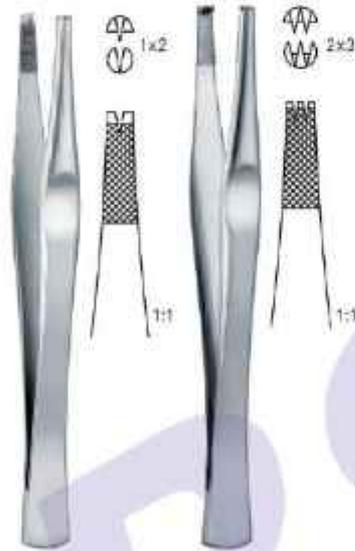
BONNEY
175 mm - 7"
05-1160 **05-1161**



FERRIS-SMITH
180 mm - 7"
05-1162 **05-1163**



TISSUE FORCEPS



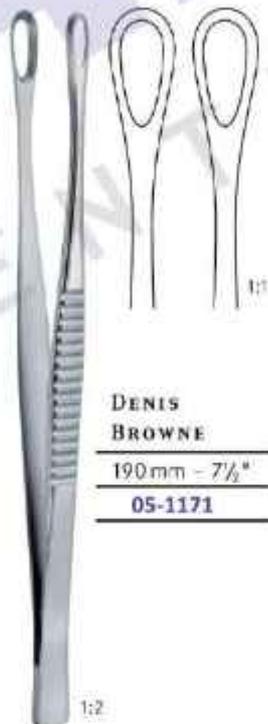
LANE

145mm - 5 1/2"	05-1164	05-1166
200mm - 8"	05-1165	05-1167



BROWN

150mm - 6"	05-1168
200mm - 8"	05-1169
250mm - 9 1/4"	05-1170



**DENIS
BROWNE**

190mm - 7 1/2"
05-1171



WAUGH

150mm - 6"	05-1172
200mm - 8"	05-1173
250mm - 9 1/4"	05-1174

TISSUE FORCEPS



STILLE-BARRAYA

180 mm - 7"	05-1175
200 mm - 8"	05-1176
250 mm - 9 1/2"	05-1177



TAYLOR

175 mm - 7"	05-1178	05-1179	05-1180
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GERALD

170 mm - 6 3/4"	05-1181	05-1182	
180 mm - 7"			05-1183



CUSHING

170 mm - 6 3/4"	05-1184	05-1185
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EAR & NOSE DRESSING FORCEPS



TROELTSCH

150 mm - 6"	05-1186
180 mm - 7"	05-1187



TROELTSCH (WILDE)

110 mm - 4 1/4"	05-1188
120 mm - 4 3/4"	05-1189
130 mm - 5"	05-1190



LUCAS

140 mm - 5 1/2"	05-1191
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gekruist
cross action
croisé
cruzado
crociato



JANSEN

160 mm - 6 1/4"	05-1192
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JANSEN

160 mm - 6 1/4"	05-1193
200 mm - 8"	05-1194



COTTLE

145 mm - 5 3/4"	05-1195
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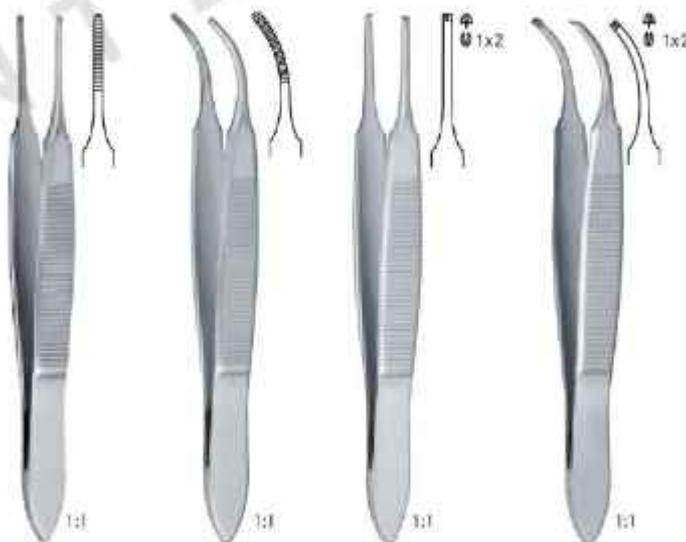
Columella Pinzette
Columella forceps
Pinze à columella
Pinza para columella
Pinze per columella

IRIS FORCEPS



GRAEFE

105 mm - 4 1/4"	05-1197	05-1198	05-1199	05-1200	05-1201	05-1202
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GRAEFE

	70 mm - 2 3/4"			
0.7 mm	05-1203	05-1205	05-1207	05-1209
1.0 mm	05-1204	05-1206	05-1208	05-1210

FORCEPS-FINE PATTERN



90 mm - 3 1/2" *	05-1211	05-1215
105 mm - 4 1/8" *	05-1212	05-1216
115 mm - 4 1/2" "	05-1213	05-1217
125 mm - 5" *	05-1214	05-1218

glatt
smooth
lisse
lisa
liscio

90 mm - 3 1/2" *	05-1219	05-1223
105 mm - 4 1/8" *	05-1220	05-1224
115 mm - 4 1/2" "	05-1221	05-1225
125 mm - 5" *	05-1222	05-1226

gerieft
serrated
striée
estriada
zigrinato

GRASPING FORCEPS



DURANTE

145 mm - 5 3/4"	05-1227
160 mm - 6 1/4"	05-1228
200 mm - 8"	05-1229



RUSS. MODELL

150 mm - 6"	05-1230
200 mm - 8"	05-1231
250 mm - 9 1/4"	05-1232
300 mm - 11 1/2"	05-1233



MAYO-RUSS.

230 mm - 9"	05-1234
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NELSON

230 mm - 9"	05-1235
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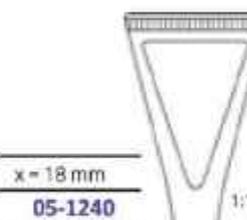
SINGLEY-TUTTLE

180 mm - 7"	05-1236
230 mm - 9"	05-1237
350 mm - 14"	05-1238

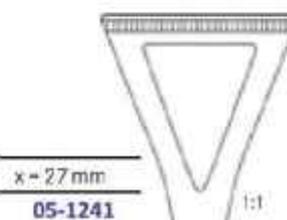


COLLIN-DUVAL

200 mm - 8"	05-1239
x = 14 mm	



x = 18 mm	05-1240
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x = 27 mm	05-1241
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ATRAUMATIC TISSUE FORCEPS



DE BAKAY

	x=1.5 mm	x=2.0 mm	x=2.7 mm	x=3.5 mm
120 mm - 4 1/4"	05-1242			
145 mm - 5 3/4"	05-1243	05-1248		
160 mm - 6 1/4"	05-1244	05-1249	05-1253	05-1257
200 mm - 8"	05-1245	05-1250	05-1254	05-1258
240 mm - 9 1/2"	05-1246	05-1251	05-1255	05-1259
300 mm - 12"	05-1247	05-1252	05-1256	05-1260
350 mm - 14"				05-1261



	x=1.5 mm	x=2.0 mm
145 mm - 5 3/4"	05-1262	
160 mm - 6 1/4"		05-1263
200 mm - 8"		05-1264
240 mm - 9 1/2"		05-1265
300 mm - 12"		05-1266

ATRAUMATIC TISSUE FORCEPS



DE BAKELY

	x=1.2mm	x=1.5mm	x=1.8mm	x=2.0mm	x=2.8mm
160mm - 6 1/4"	05-1267	05-1270	05-1273	05-1276	05-1279
200mm - 8"	05-1268	05-1271	05-1274	05-1277	05-1280
240mm - 9 1/2"	05-1269	05-1272	05-1275	05-1278	05-1281

DRESSING FORCEPS



STANDARD

145 mm - 5 7/8"	05-1282	-
180 mm - 7"	05-1283	05-1285
250 mm - 10"	05-1284	-

schmal
narrow
étroite
estrecha
stretta

DRESSING FORCEPS



SEMKEN

125 mm - 5"	05-1286
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TAYLOR

175 mm - 7"	05-1287	05-1288
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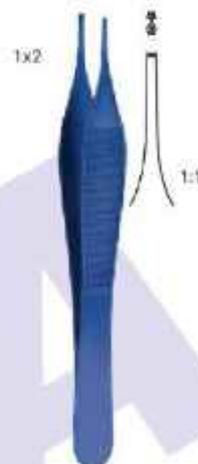
GERALD

180 mm - 7"	05-1289
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DRESSING FORCEPS



ADSON
120mm - 4 3/4" **05-1290**



ADSON
120mm - 4 3/4" **05-1291**



MC INDOE
150mm - 6" **05-1292**



POTTS SMITH

180mm - 7"	05-1293
210mm - 8 1/4"	05-1294
250mm - 9 3/4"	05-1295

TISSUE FORCEPS



GILLIES
150 mm - 6"
05-1296



ADSON-BROWN
120 mm - 4 1/4" | 05-1297



GERALD
170 mm - 6 3/4" | 05-1298



TAYLOR
175 mm - 7" | 05-1299

DRESSING FORCEPS



STANDARD

145 mm - 5 7/8"	05-1300
160 mm - 6 1/4"	05-1301
180 mm - 7"	05-1302
200 mm - 8"	05-1303
250 mm - 9 7/8"	05-1304
300 mm - 12"	05-1305



Mc INDOE

150 mm - 6"	05-1306
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POTTS-SMITH

150 mm - 6"	05-1307
180 mm - 7"	05-1308
210 mm - 8 1/4"	05-1309
250 mm - 9 7/8"	05-1310



ADSON

120 mm - 4 3/4"	05-1311
150 mm - 6"	05-1312



WANGENSTEEN

150 mm - 6"	05-1313
230 mm - 9"	05-1314



CUSHING

175 mm - 7"	05-1315
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TAYLOR

180 mm - 7"	05-1316
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TISSUE FORCEPS



ADSON

120 mm - 4 3/4"	05-1317
150 mm - 6"	05-1318



ADSON-MICRO

05-1319
05-1320



ADSON-BROWN

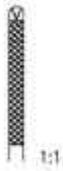
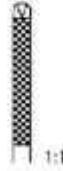
05-1321

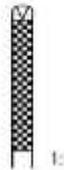
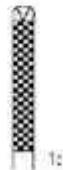


GILLIES

150 mm - 6"
05-1322



		
140 mm - 5 1/2"	160 mm - 6 1/4"	180 mm - 7"
05-1323	05-1324	05-1325

		
200 mm - 8"	250 mm - 9 3/4"	300 mm - 12"
05-1326	05-1327	05-1328

ATRAUMATIC TISSUE FORCEPS



DE BAKEY

	x=1.5mm	x=2.0mm
150mm - 6"	05-1329	05-1332
190mm - 7½"	05-1330	05-1333
240mm - 9½"	05-1331	05-1334

SPLINTER FORCEPS



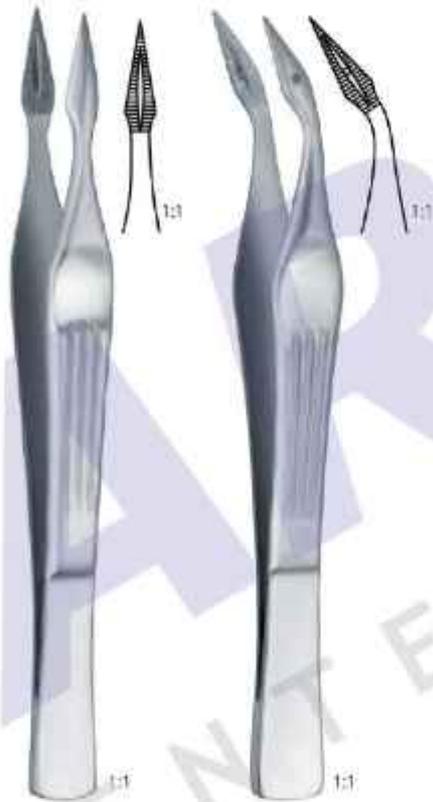
FEILCHENFELD

75 mm - 3"	05-1335
90 mm - 3½"	05-1336
115 mm - 4½"	05-1337

HUNTER

105 mm - 4¼"	05-1338	05-1339
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SPLINTER FORCEPS



WALTER-CARMALT

105 mm - 4 1/4"	05-1340	05-1341
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80 mm - 3 1/4"	05-1342
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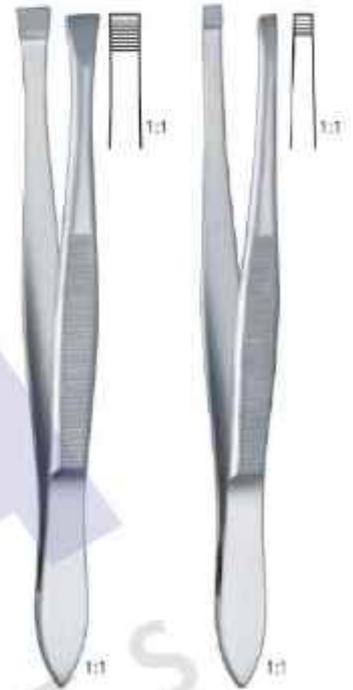


100 mm - 4"	05-1343
125 mm - 5"	05-1344

CILIA FORCEPS



BEER
90 mm - 3 1/2" **05-1347**



DOUGLAS
90 mm - 3 1/2" **05-1348** **05-1349**



LITTAUER
85 mm - 3 1/4" **05-1345**
90 mm - 3 1/2" **05-1346**



GRADLE
95 mm - 3 3/4" **05-1350**



BARRAQUER
105 mm - 4 1/4" **05-1351**

06

ARSA
ENTERPRISES

HAEMOSTATS FORCEPS



HAEMOSTATIC FORCEPS



DIEFFENBACH

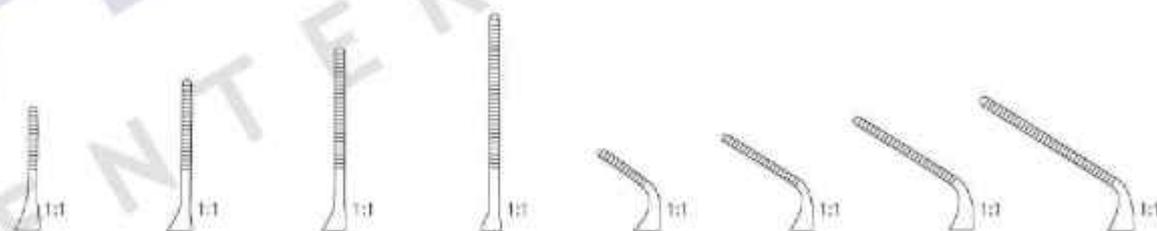
35 mm - 1 1/2"	06-1001	06-1004
50 mm - 2"	06-1002	06-1005
60 mm - 2 1/4"	06-1003	06-1006

JOHNS HOPKINS

50 mm - 2"	06-1007
65 mm - 2 1/2"	06-1008
75 mm - 3"	06-1009



DIETRICH



x=	50 mm - 2"	50 mm - 2"	50 mm - 2"	60 mm - 2 1/4"	50 mm - 2"	50 mm - 2"	50 mm - 2"	60 mm - 2 1/4"
y=	8 mm	12 mm	16 mm	20 mm	8 mm	12 mm	16 mm	20 mm
	06-1010	06-1011	06-1012	06-1013	06-1014	06-1015	06-1016	06-1017

x= Länge
Length
 Longueur
Longitud
 Lunghezza

y= geriefte Maullänge
serated jaw part
 partie striée du mors
parte estriada de la boca
 morso zigrinato

HAEMOSTATIC FORCEPS



HARTMANN

100mm - 4°



06-1018

06-1019



TERRIER

85mm - 3 1/4°



06-1020



HALSTED-MOSQUITO

125mm - 5°

140mm - 5 1/2°



06-1021

06-1023

06-1025

06-1027

06-1022

06-1024

06-1026

06-1028

1x2

1x2

HALSTED-MOSQUITO

125mm - 5°

06-1029

06-1030

06-1031

06-1032

HAEMOSTATIC FORCEPS



MICRO-MOSQUITO

100 mm - 4"	06-1033	06-1035	06-1037	06-1039
120 mm - 4 3/4"	06-1034	06-1036	06-1038	06-1040



1x2

1x2



PROVIDENCE-HOSPITAL

140 mm - 5 1/2"	06-1041	06-1042
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1:2



DANDY

140 mm - 5 1/2"	06-1043	06-1044
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seitlich gebogen
curved to the side
courbe sur le plat
curva al lado
curvata lateralmente

1x2

1:2



MOSQUITO-DANDY

120 mm - 4 3/4"	06-1045
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seitlich gebogen
curved to the side
courbe sur le plat
curva al lado
curvata lateralmente



1:2

HAEMOSTATIC FORCEPS



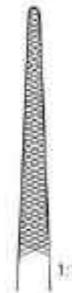
CHRISTOPHE

130 mm - 4"	06-1046
150 mm - 6"	06-1047



LOVELACE

155 mm - 6"	06-1048	06-1049
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1x2

1:2



LERICHE

150 mm - 6"	06-1050	06-1051
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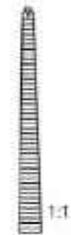


1:2



LERICHE

150 mm - 6"	06-1052	06-1053
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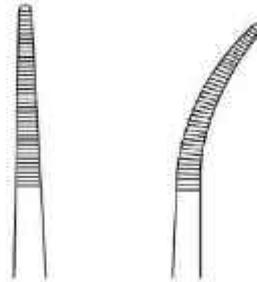


1x2

1x2

1:2

HAEMOSTATIC FORCEPS



KELLY

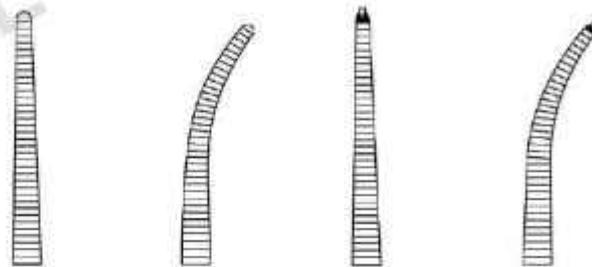
140 mm - 5 1/2"	06-1054	06-1055
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KELLY-RANKIN

160 mm - 6 1/4"	06-1056	06-1057
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KELLY

140 mm - 5 1/2"	06-1058	06-1059
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CRILE

140 mm - 5 1/2"	06-1060	06-1061	06-1062	06-1063
			1x2	1x2

CRILE-RANKIN

160 mm - 6 1/4"	06-1064	06-1065	06-1066	06-1067
			1x2	1x2

CRILE

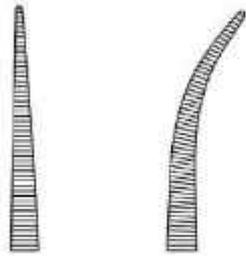
140 mm - 5 1/2"	06-1068	06-1069
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HAEMOSTATIC FORCEPS



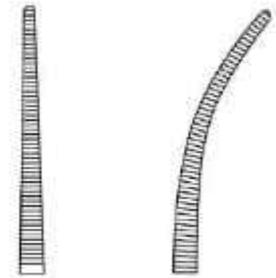
COLLER

140 mm - 5 1/2"	06-1070	06-1072
160 mm - 6 1/4"	06-1071	06-1073



PÉAN

130 mm - 5"	06-1074	06-1077
140 mm - 5 1/2"	06-1075	06-1078
160 mm - 6 1/4"	06-1076	06-1079



graziles Modell
delicate pattern
modèle délicat
modelo delicado
modello delicato



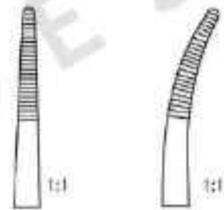
DUNHILL

125 mm - 5"	06-1080
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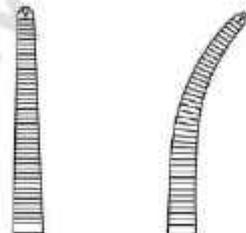
CAIRNS

150 mm - 6"	06-1081	06-1082
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KOCHER

130 mm - 5"	06-1083	06-1086
140 mm - 5 1/2"	06-1084	06-1087
160 mm - 6 1/4"	06-1085	06-1088

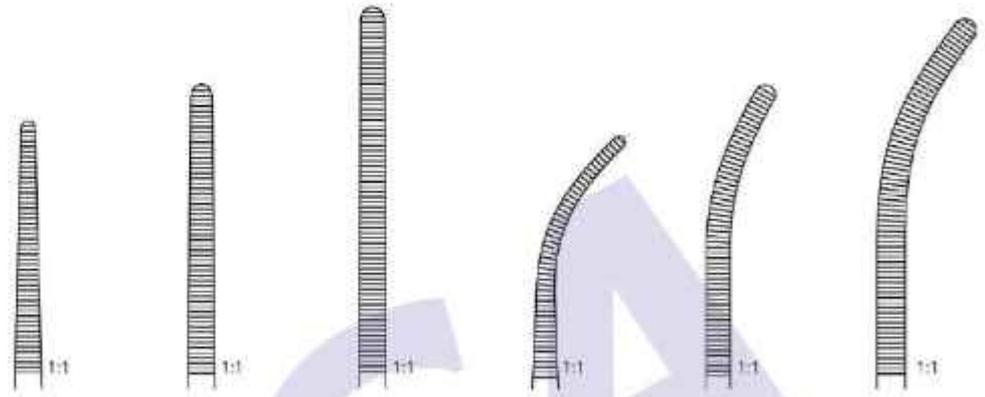


graziles Modell
delicate pattern
modèle délicat
modelo delicado
modello delicato

HAEMOSTATIC FORCEPS



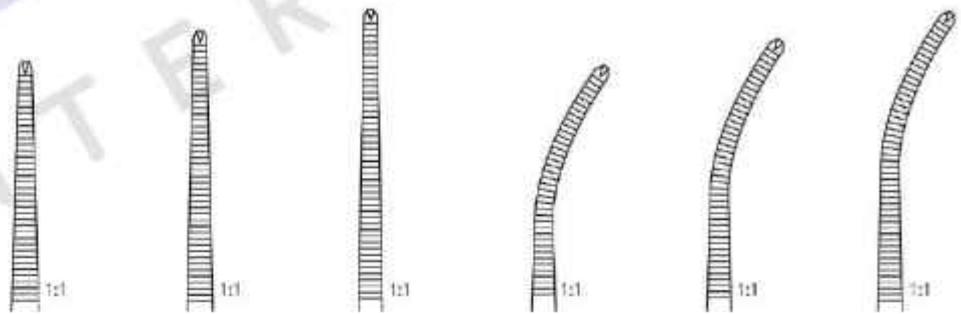
PEAN-FINO



145 mm - 5 3/8"	165 mm - 6 1/2"	185 mm - 7 1/4"	140 mm - 5 1/2"	160 mm - 6 1/4"	180 mm - 7"
06-1089	06-1090	06-1091	06-1092	06-1093	06-1094



KOCHER-FINO



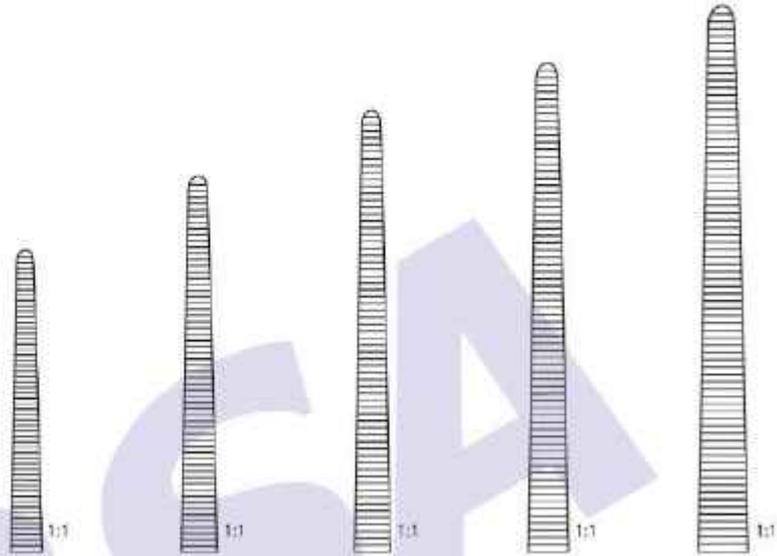
145 mm - 5 3/8"	165 mm - 6 1/2"	185 mm - 7 1/4"	145 mm - 5 3/8"	160 mm - 6 1/4"	180 mm - 7"
06-1095	06-1096	06-1097	06-1098	06-1099	06-1100

1x2 1x2 1x2 1x2 1x2 1x2

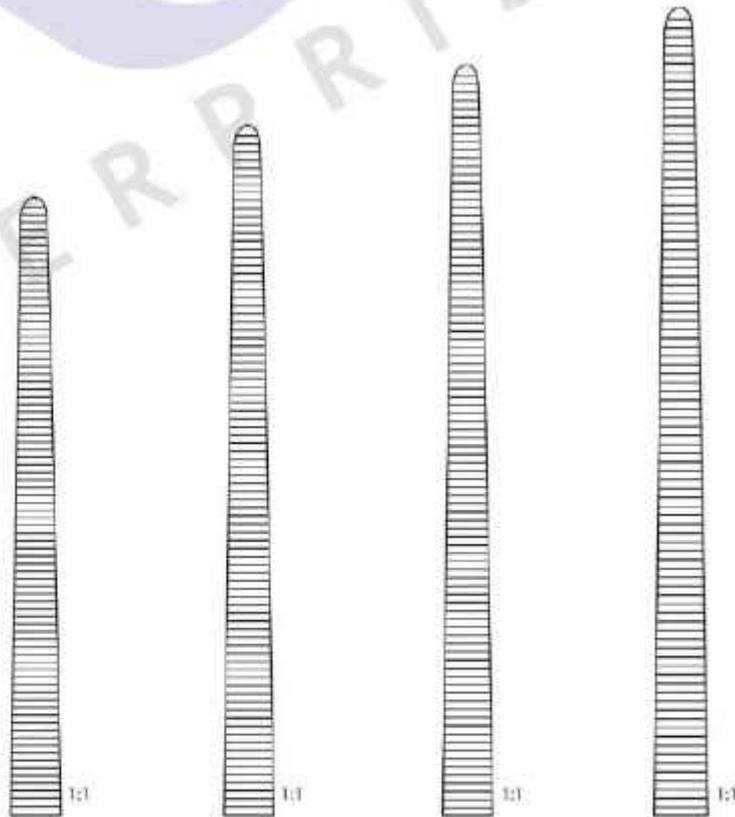
HAEMOSTATIC FORCEPS



**ROCHESTER-
PÉAN**



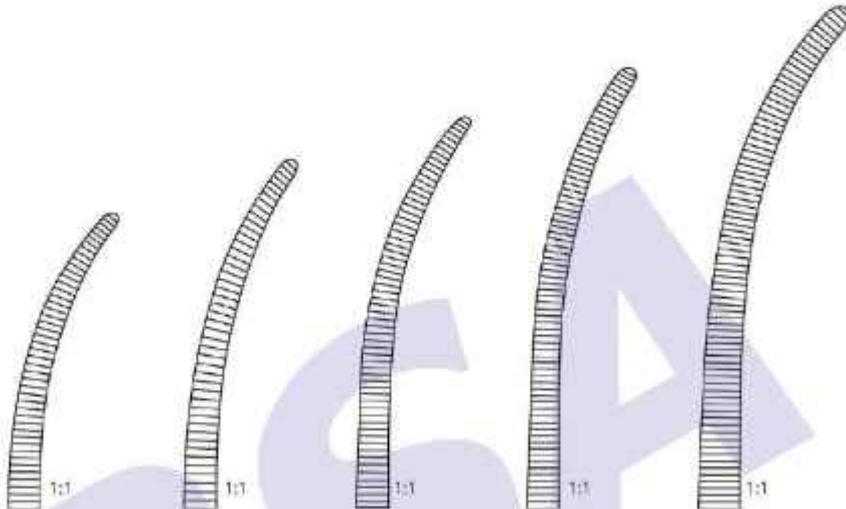
140 mm - 5½"	160 mm - 6¼"	180 mm - 7"	200 mm - 8"	220 mm - 8¾"
06-1101	06-1102	06-1103	06-1104	06-1105



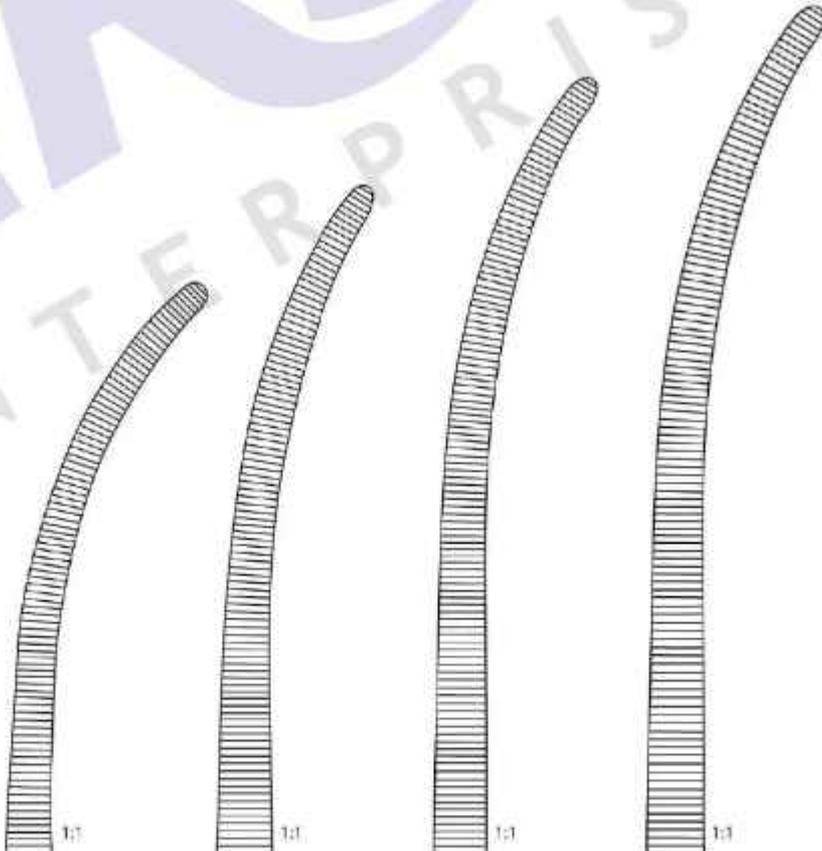
240 mm - 9½"	260 mm - 10¼"	300 mm - 12"	350 mm - 14"
06-1106	06-1107	06-1108	06-1109

HAEMOSTATIC FORCEPS

ROCHESTER-PÉAN



140 mm - 5½"	160 mm - 6¼"	180 mm - 7"	200 mm - 8"	220 mm - 8¾"
06-1110	06-1111	06-1112	06-1113	06-1114

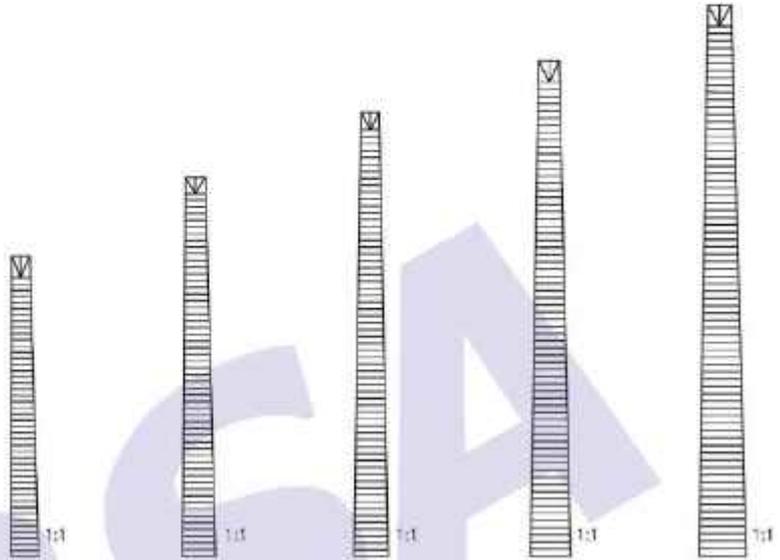


240 mm - 9½"	260 mm - 10¼"	300 mm - 12"	350 mm - 14"
06-1115	06-1116	06-1117	06-1118

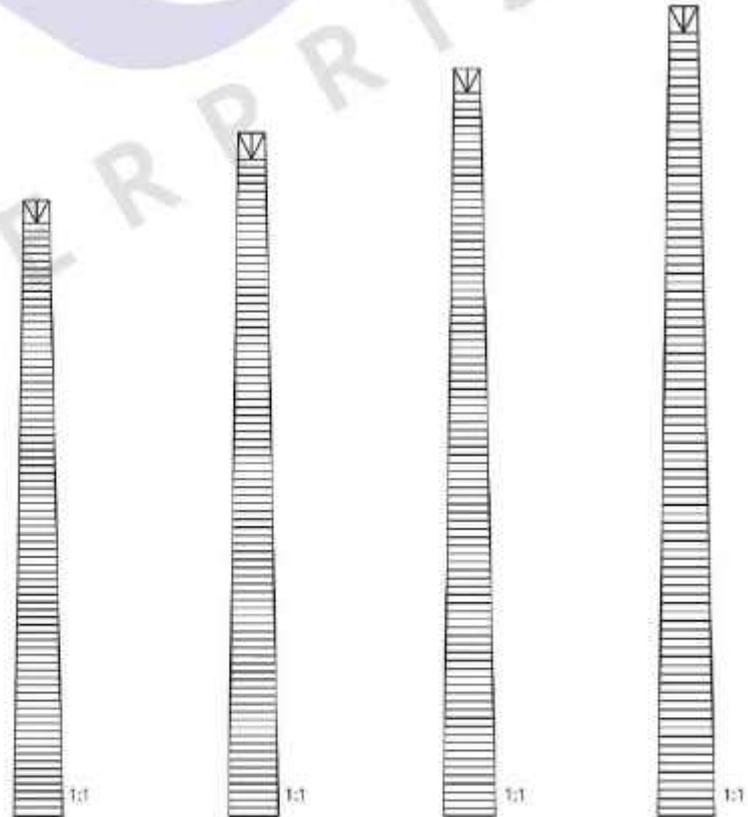
HAEMOSTATIC FORCEPS



OCHSNER-KOCHER

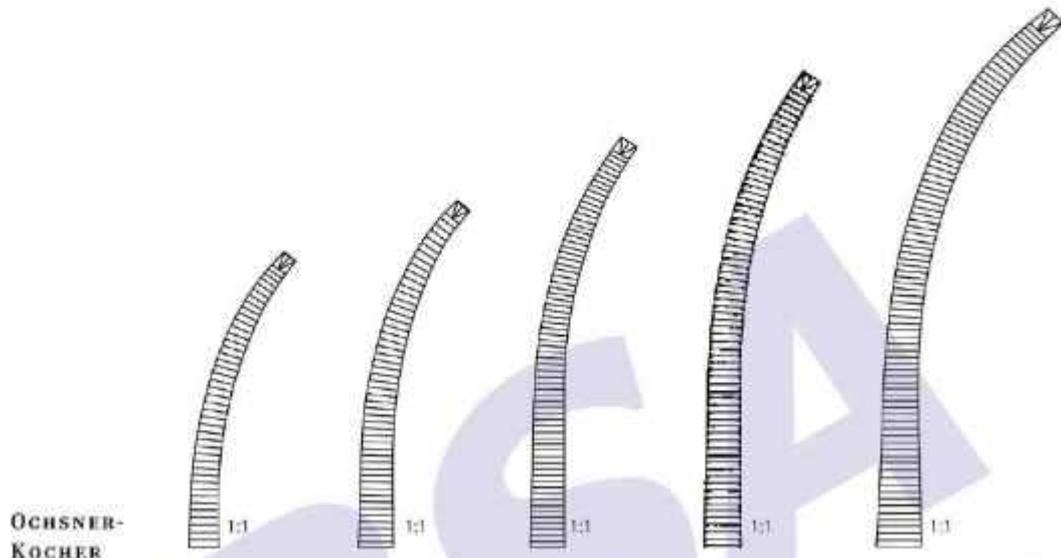


140 mm - 5 1/2"	160 mm - 6 1/4"	180 mm - 7"	200 mm - 8"	220 mm - 8 3/4"
06-1119	06-1120	06-1121	06-1122	06-1123
1x2	1x2	1x2	1x2	1x2



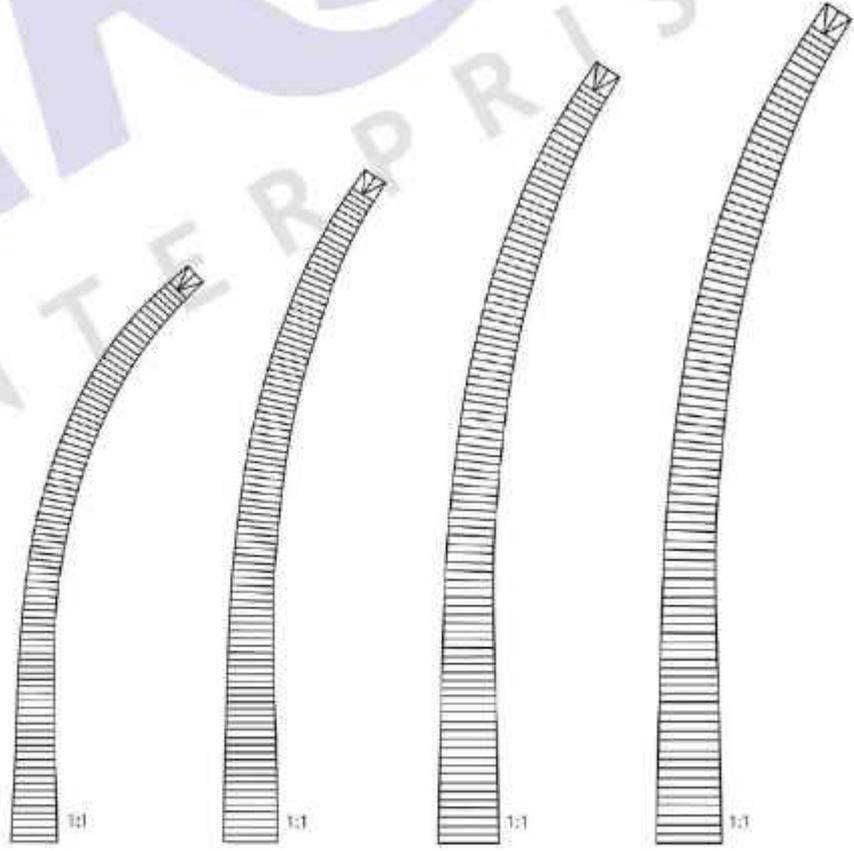
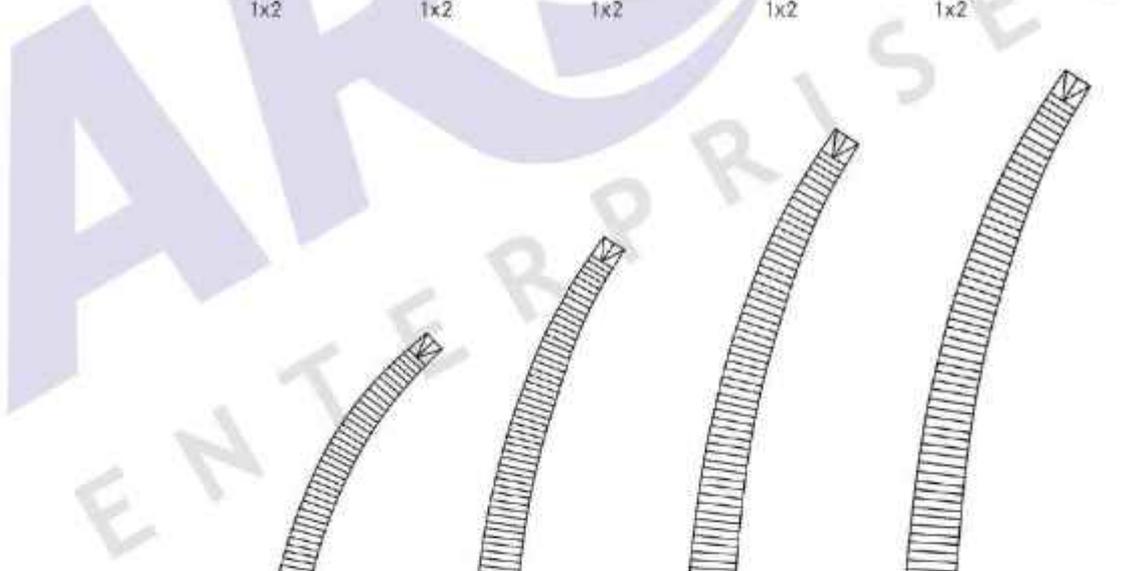
240 mm - 9 1/2"	260 mm - 10 1/4"	300 mm - 12"	350 mm - 14"
06-1124	06-1125	06-1126	06-1127
1x2	1x2	1x2	1x2

HAEMOSTATIC FORCEPS



OCHSNER-KOCHER

140 mm - 5 1/2"	160 mm - 6 1/4"	180 mm - 7"	200 mm - 8"	220 mm - 8 3/4"
06-1128	06-1129	06-1130	06-1131	06-1132
1x2	1x2	1x2	1x2	1x2



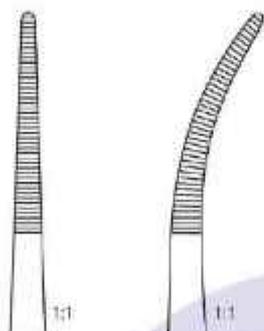
240 mm - 9 1/2"	260 mm - 10 1/4"	300 mm - 12"	350 mm - 14"
06-1133	06-1134	06-1135	06-1136
1x2	1x2	1x2	1x2

HAEMOSTATIC FORCEPS



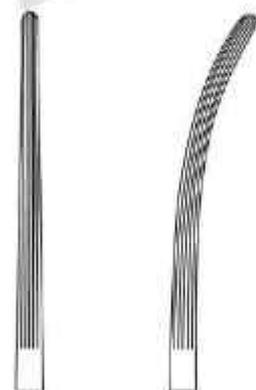
BIRKET

190mm - 7 1/2"	06-1137	06-1138
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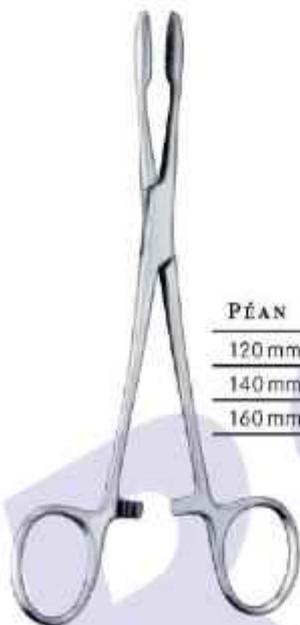


BAINBRIDGE

150mm - 6"	06-1139	06-1140
185mm - 7 1/2"	06-1141	06-1142



HAEMOSTATIC FORCEPS



PÉAN

120 mm - 4 3/4"	06-1143
140 mm - 5 1/2"	06-1144
160 mm - 6 1/4"	06-1145



ROCHESTER-CARMALT

160 mm - 6 1/2"	06-1146	06-1148
200 mm - 8"	06-1147	06-1149

HAEMOSTATIC FORCEPS



CHAPUT

130 mm - 5" **06-1150**



TUFFIER

130 mm - 5" **06-1151**



PENNINGTON

155 mm - 6" **06-1152**
200 mm - 8" **06-1153**



COLLIN

140 mm - 5½" **06-1154**



PRATT

150 mm - 6" **06-1155**



MARIEL

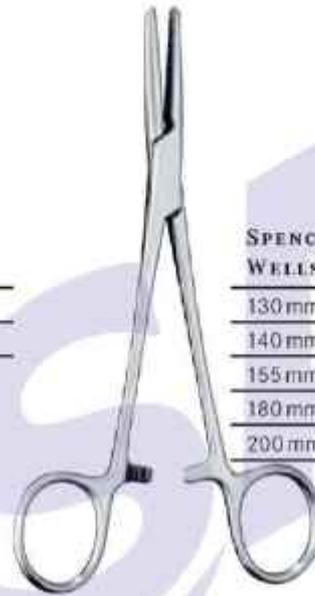
140 mm - 5½" **06-1156**

HAEMOSTATIC FORCEPS



FERGUSSON

160 mm - 6 1/4"	06-1157
200 mm - 8"	06-1158



SPENCER-WELLS

130 mm - 5"	06-1159	06-1164
140 mm - 5 1/2"	06-1160	06-1165
155 mm - 6"	06-1161	06-1166
180 mm - 7"	06-1162	06-1167
200 mm - 8"	06-1163	06-1168



HALSTED-MOSQUITO

180 mm - 7"	06-1169	06-1171	06-1173	06-1175
210 mm - 8 1/4"	06-1170	06-1172	06-1174	06-1176

1x2

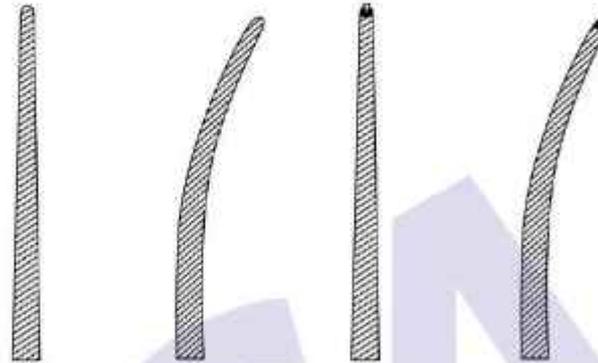
1x2

HAEMOSTATIC FORCEPS



BENGOLEA

200 mm - 8"	06-1177	06-1180	06-1183	06-1186
240 mm - 9 1/2"	06-1178	06-1181	06-1184	06-1187
260 mm - 10 1/4"	06-1179	06-1182	06-1185	06-1188



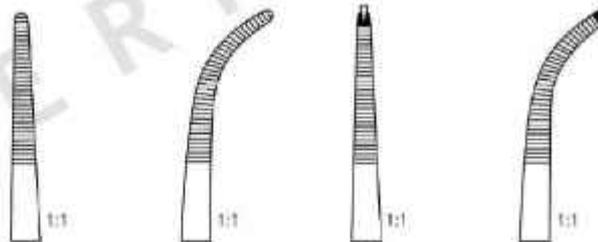
1x2

1x2



ADSON

185 mm - 7 1/4"	06-1189	06-1190	06-1191	06-1192
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1:1

1:1

1:1

1:1

1x2

1x2

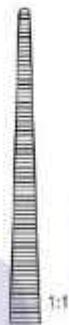
1:2

HAEMOSTATIC FORCEPS



HEISS

200 mm - 8"



1:1



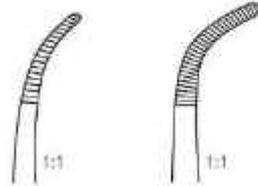
1:1



1:1

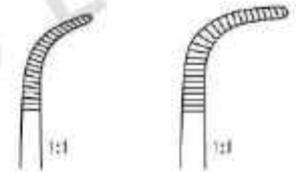
06-1193	06-1194	06-1195
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HAEMOSTATIC FORCEPS



BABY-MIXER

140 mm - 5 1/2"	06-1196	
180 mm - 7"		06-1197



BABY-ADSON

140 mm - 5 1/2"	06-1198	
180 mm - 7"		06-1199



BABY-OVERHOLT

135 mm - 5 1/4"	06-1200
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HAEMOSTATIC FORCEPS



KELLY-FRASER

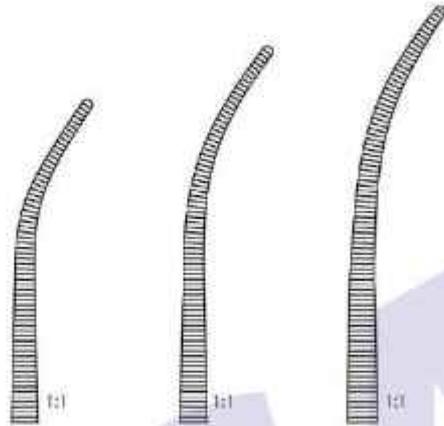


Fig. 1	Fig. 1	Fig. 1
195 mm - 7 3/4"	225 mm - 8 7/8"	245 mm - 9 3/4"
06-1201	06-1202	06-1203

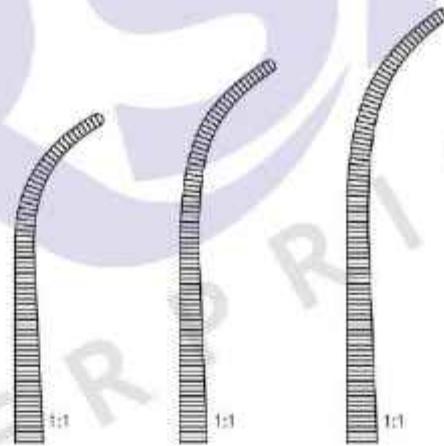


Fig. 2	Fig. 2	Fig. 2
190 mm - 7 1/2"	220 mm - 8 5/8"	240 mm - 9 1/2"
06-1204	06-1205	06-1206

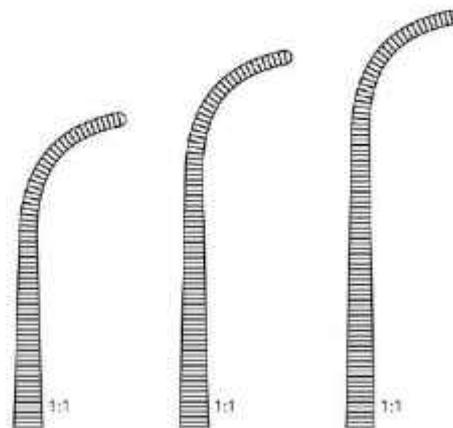


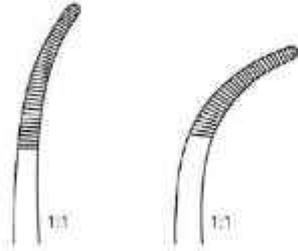
Fig. 3	Fig. 3	Fig. 3
185 mm - 7 1/4"	215 mm - 8 1/2"	235 mm - 9 1/4"
06-1207	06-1208	06-1209

HAEMOSTATIC FORCEPS



SCHNIDT
190mm - 7 1/2"*

06-1210	06-1211
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NISSEN
190mm - 7 1/2"*

06-1212



TOENNIS

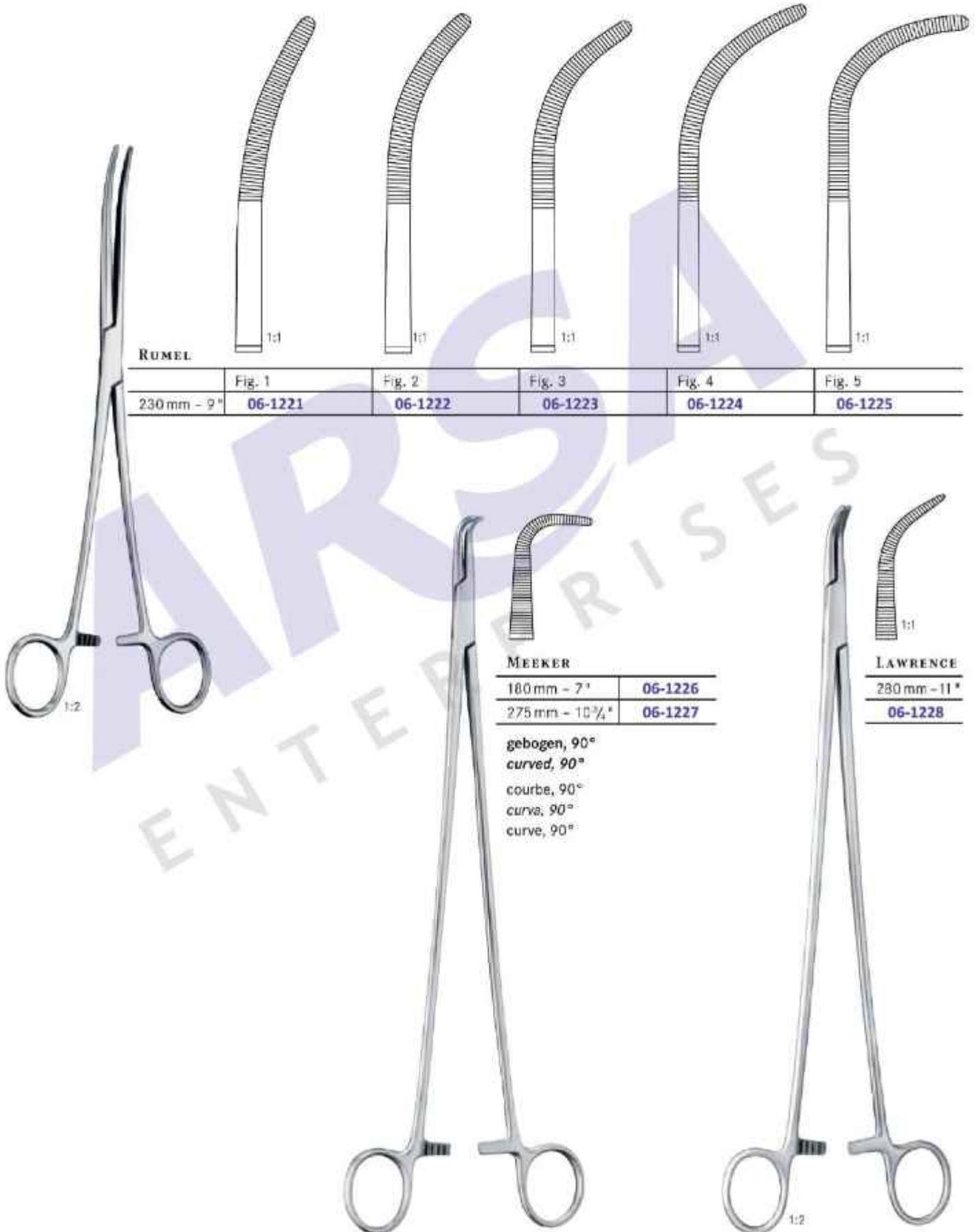
210mm - 8 1/4"*	06-1213	06-1215	06-1217	06-1219
260mm - 10 1/4"*	06-1214	06-1216	06-1218	06-1220



1x2

1x2

HAEMOSTATIC FORCEPS



RUMEL

	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
230 mm - 9"	06-1221	06-1222	06-1223	06-1224	06-1225

MEEKER

100 mm - 7"	06-1226
275 mm - 10 ³ / ₄ "	06-1227

- gebogen, 90°
- curved, 90°
- courbe, 90°
- curva, 90°
- curve, 90°

LAWRENCE

280 mm - 11"	06-1228
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DISSECTING & LIGATURE FORCEPS



**OVERHOLT-
GEISSENDOERFER**

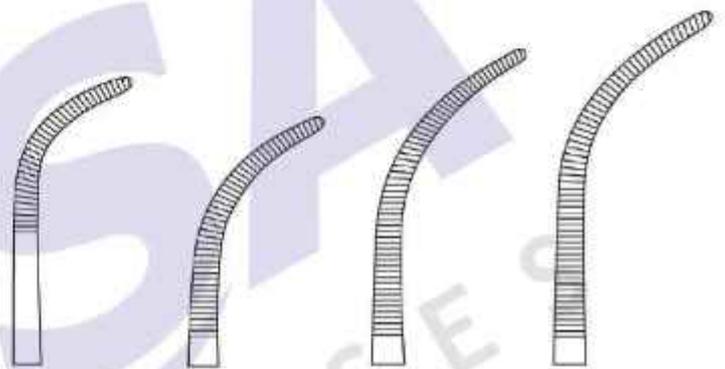


	Fig. 0	Fig. 1	Fig. 2	Fig. 3
210 mm - 8 1/2"	06-1229	06-1231	06-1233	06-1235
270 mm - 10 3/4"	06-1230	06-1232	06-1234	06-1236

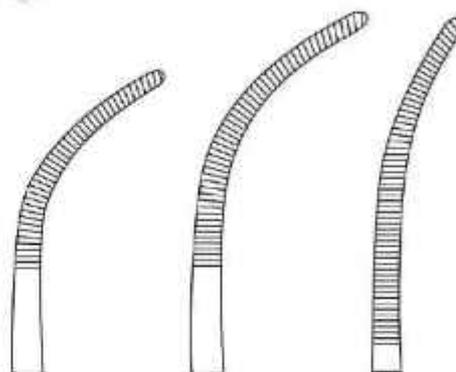


	Fig. 4	Fig. 5	Fig. 6
210 mm - 8 1/2"	06-1237	06-1239	06-1241
270 mm - 10 3/4"	06-1238	06-1240	06-1242

DISSECTING & LIGATURE FORCEPS



OVERHOLT-FINO

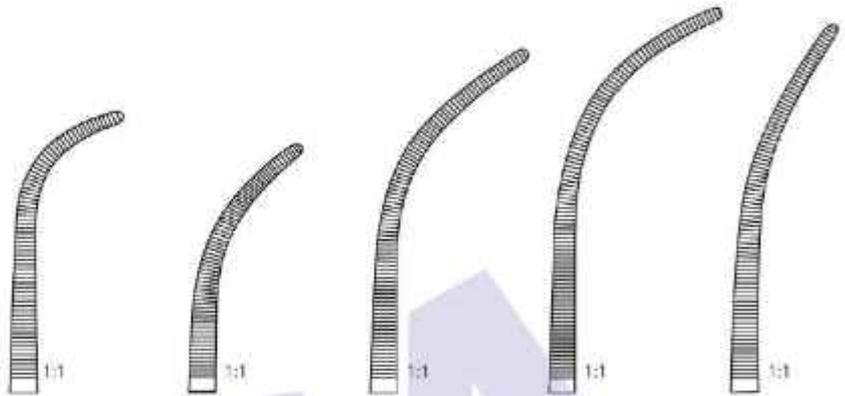


Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 6
215 mm - 8½"	210 mm - 8¼"	220 mm - 8¾"	230 mm - 9"	225 mm - 8¾"
06-1243	06-1244	06-1245	06-1246	06-1247



OVERHOLT

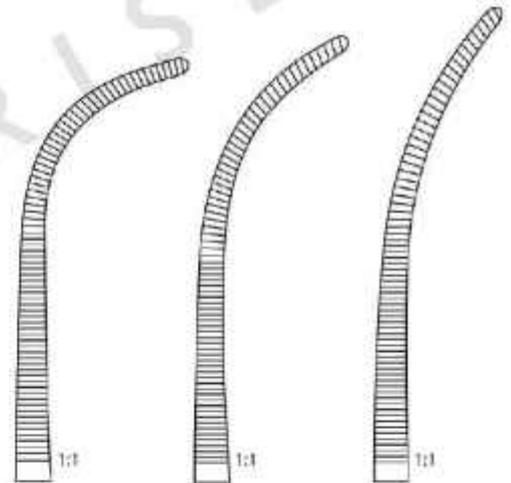
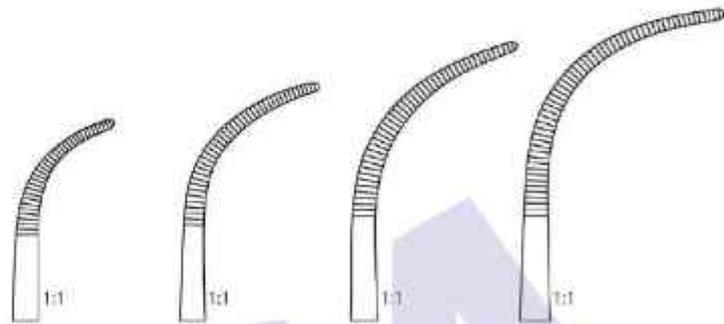


Fig. 0	Fig. 1	Fig. 6
295 mm - 8½"	295 mm - 8½"	300 mm - 8¾"
06-1248	06-1249	06-1250

DISSECTING & LIGATURE FORCEPS



OVERHOLT-MODIFIZIERT

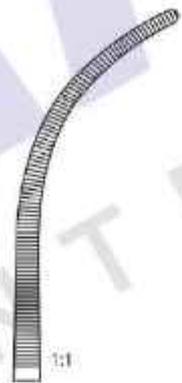


185 mm - 7 1/4"	205 mm - 8"	210 mm - 8 1/4"	215 mm - 8 1/2"
06-1251	06-1252	06-1253	06-1254

S-förmig gebogen
S-curved
courbe en S
curva en S
curve a forma di S



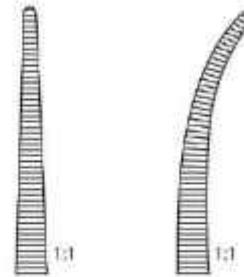
OVERHOLT-MIXTER



210 mm - 8 1/4"	06-1255
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BRIDGE



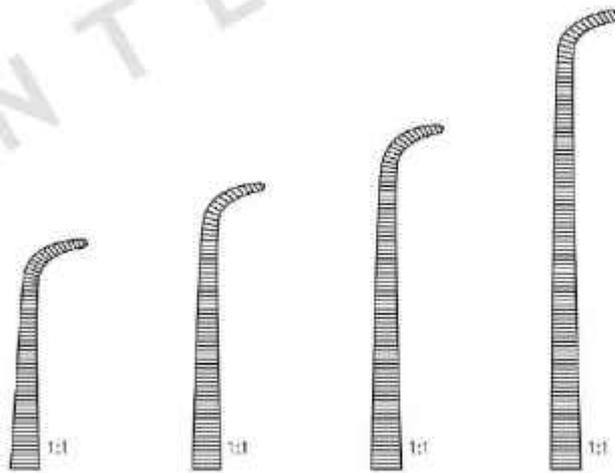
280 mm - 11"	06-1256	06-1257
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DISSECTING & LIGATURE FORCEPS



GEMINI

120 mm - 5"	160 mm - 6 1/4"	180 mm - 7"	200 mm - 8"	230 mm - 9"	250 mm - 9 3/4"	280 mm - 11"	350 mm - 14"
06-1258	06-1259	06-1260	06-1261	06-1262	06-1263	06-1264	06-1265



MINI-GEMINI

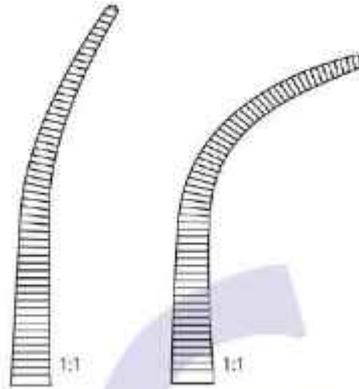
180 mm - 7"	220 mm - 8 3/4"	250 mm - 9 3/4"	280 mm - 11"
06-1266	06-1267	06-1268	06-1269

DISSECTING & LIGATURE FORCEPS



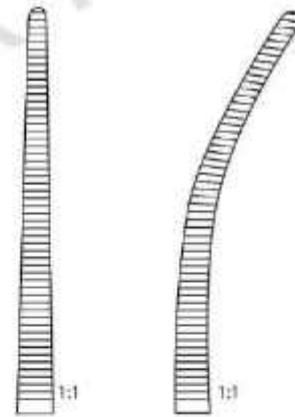
ZENKER

295 mm - 11 ¹ / ₂ "	06-1270	06-1271
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ROBERTS

220 mm - 8 ³ / ₄ "	06-1272	06-1273
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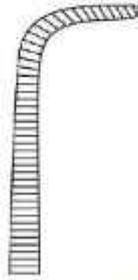


DISSECTING & LIGATURE FORCEPS



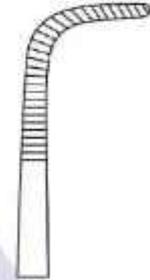
MIXTER

155 mm - 6"	06-1274
190 mm - 7½"	06-1275



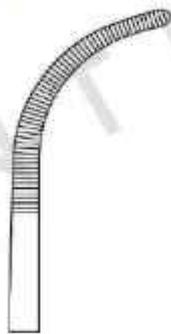
KANTROWITZ

190 mm - 7½"	06-1276
240 mm - 9½"	06-1277
265 mm - 10½"	06-1278



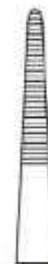
MIXTER

220 mm - 8¾"	06-1279
350 mm - 14"	06-1280



FICKLING

180 mm - 7"	06-1281	06-1282
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Φ
① 1x2

DISSECTING & LIGATURE FORCEPS



MIXER
230mm - 9" **06-1283**

JOHNS-HOPKINS
200mm - 8" **06-1284**

O'SHAUGHNESSY			
150mm - 6"	180mm - 7"	200mm - 8"	230mm - 9"
06-1285	06-1286	06-1287	06-1288

DISSECTING & LIGATURE FORCEPS



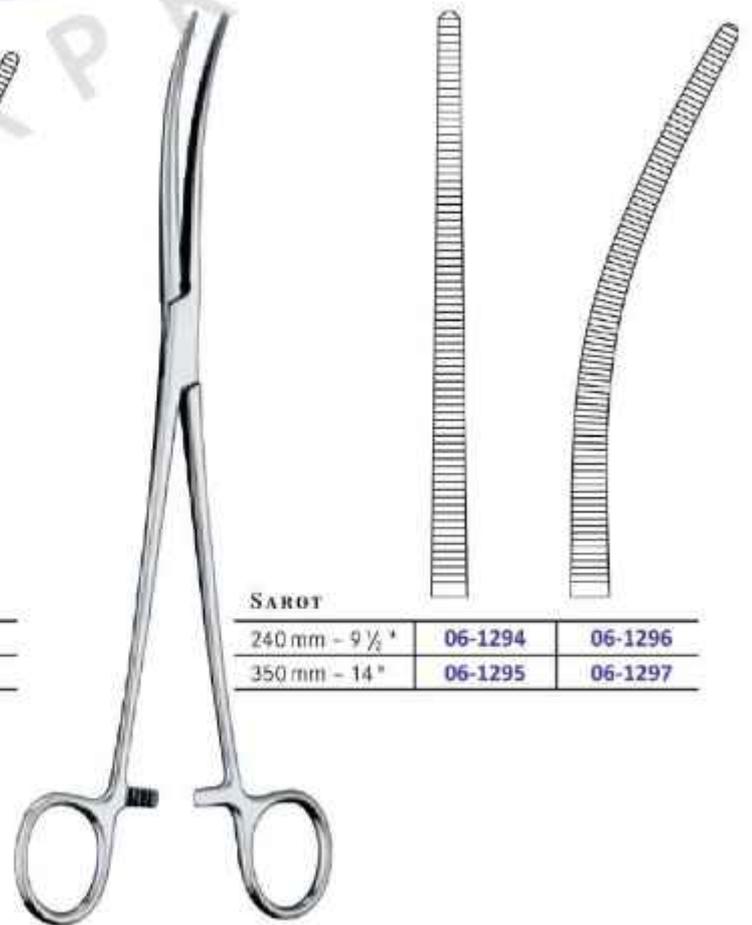
**MIXER-
O'SHAUGHNESSY**
190 mm - 7 1/2" | **06-1289**



WICKSTRÖM
210 mm - 8 1/4" | **06-1290**
240 mm - 9 1/2" | **06-1291**



CRAFOORD
180 mm - 7" | **06-1292**
240 mm - 9 1/2" | **06-1293**



SAROT
240 mm - 9 1/2" | **06-1294** | **06-1296**
350 mm - 14" | **06-1295** | **06-1297**

DISSECTING & LIGATURE FORCEPS



KIDNEY PEDICLE & GALL DUCT FORCEPS



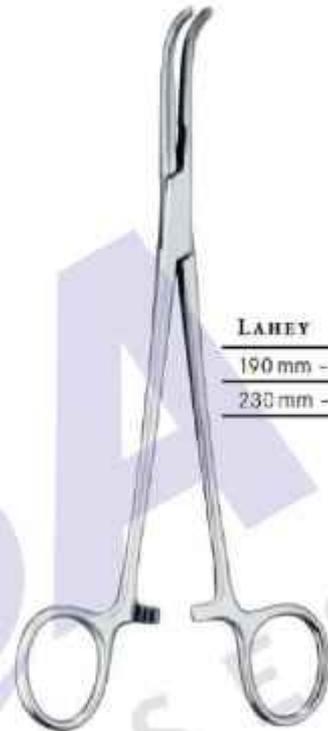
LOWER

180 mm - 7"

06-1301



1:1



LAHEY

190 mm - 7 1/2"

06-1302

230 mm - 9"

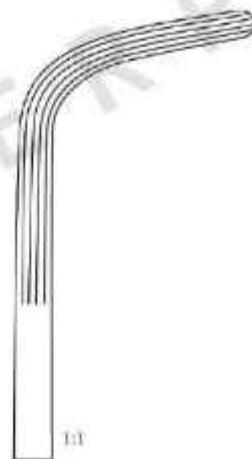
06-1303



**MC QUIGG-
MIXTER**

220 mm - 8 3/4"

06-1304



1:1

KIDNEY PEDICLE & GALL DUCT FORCEPS



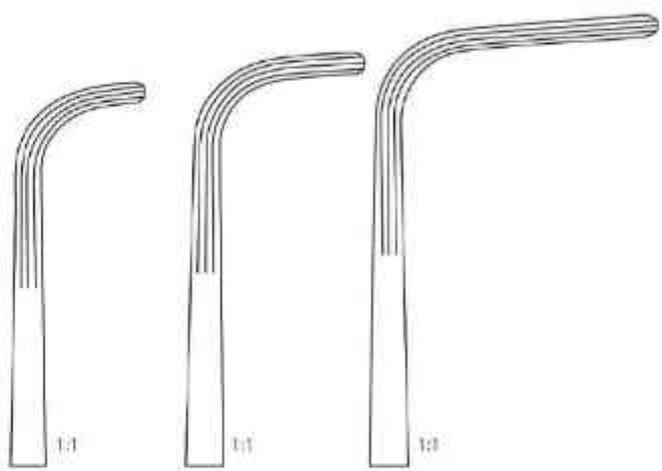
FINOCHIETTO

240 mm - 9 1/2 "	06-1305
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MIXTER

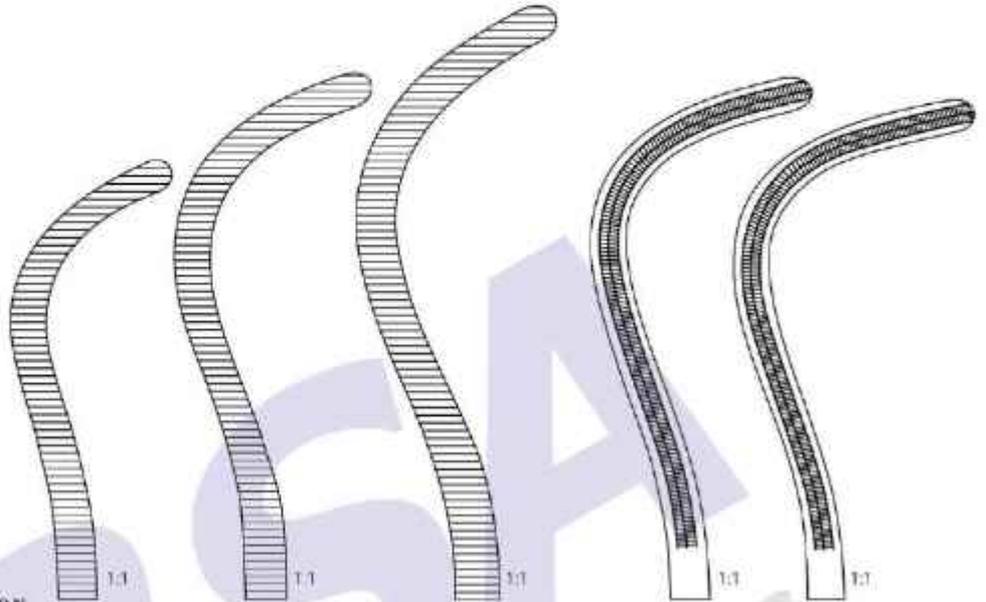
220 mm - 8 3/4 "	250 mm - 9 3/4 "	280 mm - 11 "
06-1306	06-1307	06-1308



KIDNEY PEDICLE & GALL DUCT FORCEPS



GUYON



200 mm - 8"	220 mm - 8 1/2"	240 mm - 9 1/2"	230 mm - 9"	230 mm - 9"
06-1309	06-1310	06-1311	06-1312	06-1313



GRAY

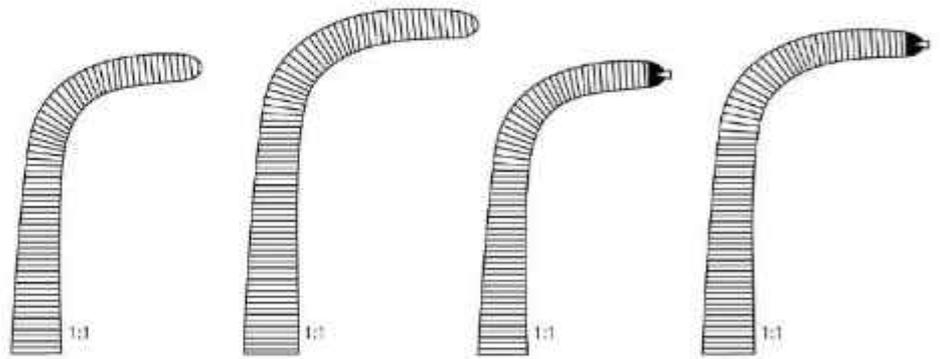


Fig. 1	Fig. 2	Fig. 1	Fig. 2
220 mm - 8 3/4"	230 mm - 9"	220 mm - 8 3/4"	230 mm - 9"
06-1314	06-1315	06-1316	06-1317

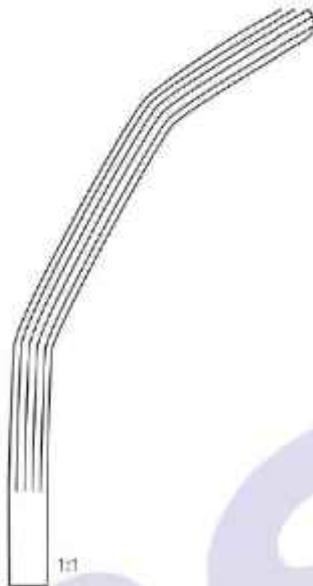
1x2

1x2

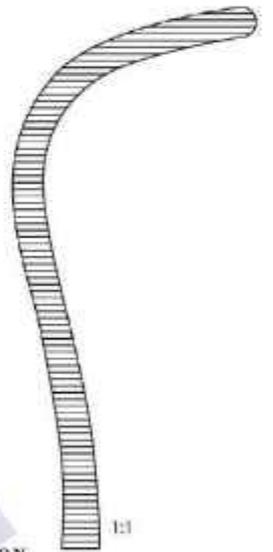
KIDNEY PEDICLE FORCEPS



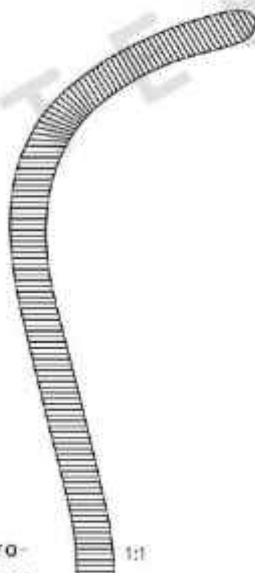
HERRICK
230 mm - 9" | 06-1318



GUYON
230 mm - 9" | 06-1319



MAYO-GUYON
230 mm - 9" | 06-1320



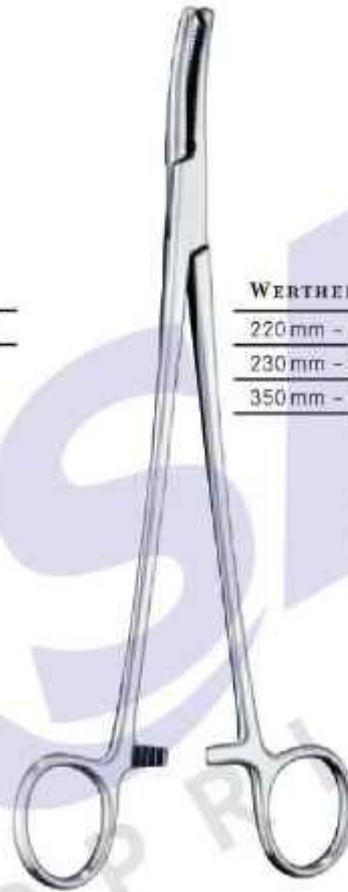
CLAMP FORCEPS



FAURE

200 mm - 8"	06-1321
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1x2



WERTHEIM

220 mm - 8 1/2"	06-1322
-----------------	----------------

230 mm - 9"	06-1323
-------------	----------------

350 mm - 14 1/2"	06-1324
------------------	----------------

1x2



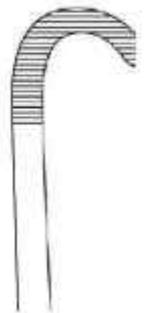
DESIARDINS

200 mm - 8"	06-1325
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DESIARDINS

200 mm - 8"	06-1326
-------------	----------------

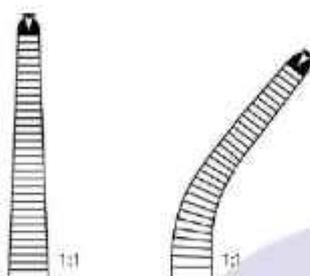


CLAMP FORCEPS



1:2

PHANEUF
215 mm - 8 1/2"



1:1

1:1

	06-1327	06-1328
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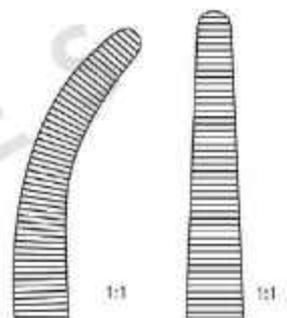
1x2

1x2



SECOND-LANDAU

230 mm - 9"	06-1329	06-1330
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1:1

1:1

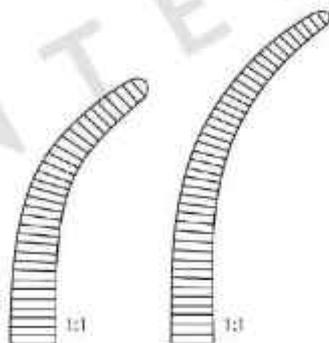
1:2



1:2

MOYNIHAN

230 mm - 9"	240 mm - 9 1/2"
06-1331	06-1332



1:1

1:1

CLAMP FORCEPS



CLAMP FORCEPS



MAINGOT

205 mm - 8"	06-1337
250 mm - 9 1/4"	06-1338

1x2



WERTHEIM

250 mm - 9 3/4"	06-1339
-----------------	----------------

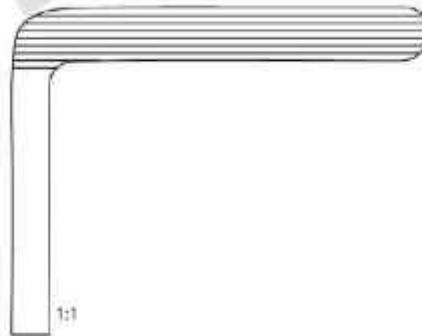
1:2



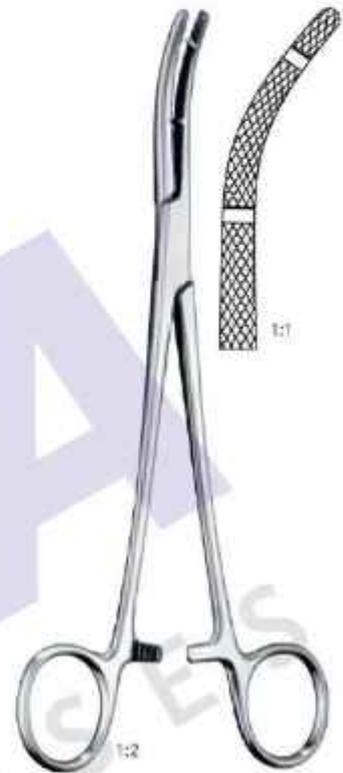
WERTHEIM-CULLEN

215 mm - 8 1/2"	06-1340
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1:1



HYSTERECTOMY FORCEPS



HEANEY

210 mm - 8 1/4"

06-1341

06-1343

230 mm - 9"

06-1342

06-1344



HEANEY-REZEK

210 mm - 8 1/4"

06-1345



HEANEY-BALLANTINE

210 mm - 8 1/4"



1:1

1:1

06-1346

06-1347

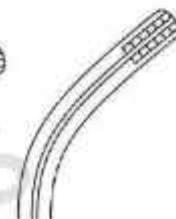
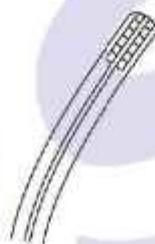
HYSTERECTOMY FORCEPS

ROGERS

Fig. 1	Fig. 2	Fig. 3	Fig. 4
220 mm - 8 $\frac{3}{4}$ "	215 mm - 8 $\frac{1}{2}$ "	210 mm - 8 $\frac{1}{4}$ "	205 mm - 8"
06-1348	06-1349	06-1350	06-1351

Fig. 1	Fig. 2	Fig. 3	Fig. 4
250 mm - 9 $\frac{3}{4}$ "	250 mm - 9 $\frac{3}{4}$ "	245 mm - 9 $\frac{3}{4}$ "	230 mm - 9"
06-1352	06-1353	06-1354	06-1355

PARAMETERIUM FORCEPS



210 mm - 8 1/2"	06-1356	06-1360	06-1364	06-1368	06-1372
240 mm - 9 1/2"	06-1357	06-1361	06-1365	06-1369	06-1373
300 mm - 12"	06-1358	06-1362	06-1366	06-1370	06-1374
350 mm - 13 3/4"	06-1359	06-1363	06-1367	06-1371	06-1375

S-förmig gebogen
S-curved
coube en S
curva en S
curva a forma di S

LUNG GRASPING FORCEPS



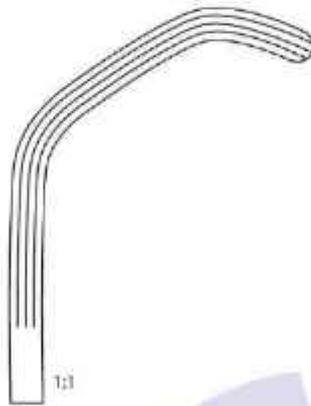
LOVELACE		
200mm - 8"	06-1376	06-1377

BRONCHUS & VASCULAR CLAMPS



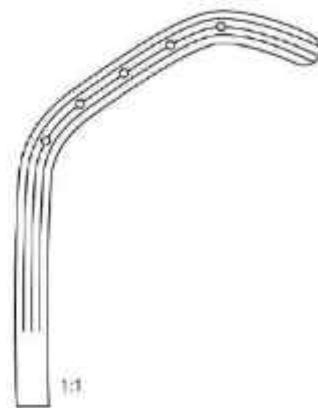
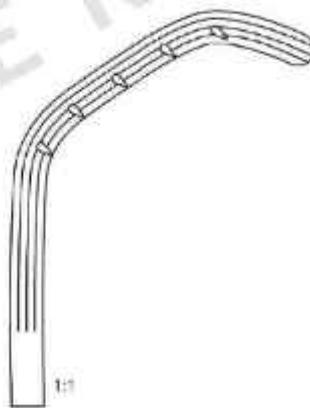
PRICE-
THOMAS

220 mm - 8 3/4" **06-1378**



PRICE-
THOMAS

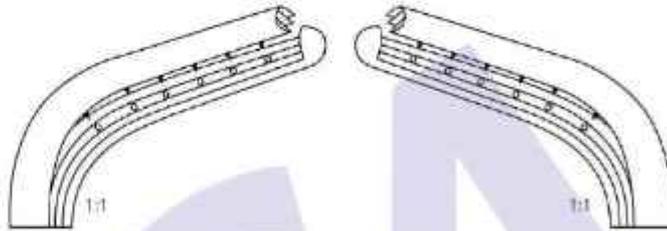
220 mm - 8 3/4" **06-1379**



Stifte links
Pins left
Goupilles à gauche
Pernos izquierda
Perni a sinistra

Stifte rechts
Pins right
Goupilles à droit
Pernos derecha
Perni a destra

BRONCHUS & VASCULAR CLAMPS



SAROT

230 mm - 9"

06-1381

06-1382

Stifte links

Pins left

Goupilles à gauche

Perros izquierda

Perni a sinistra

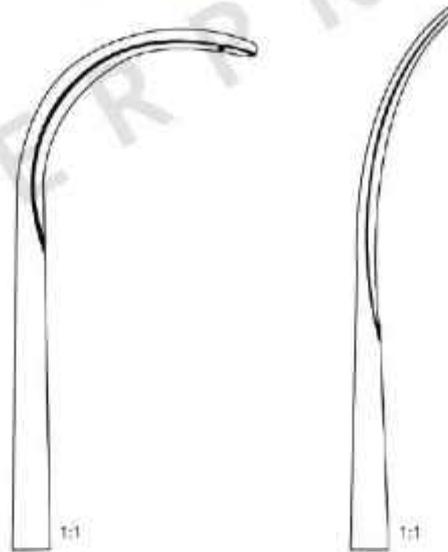
Stifte rechts

Pins right

Goupilles à droit

Perros derecha

Perni a destra



SEMB

240 mm - 9 1/2"

06-1383

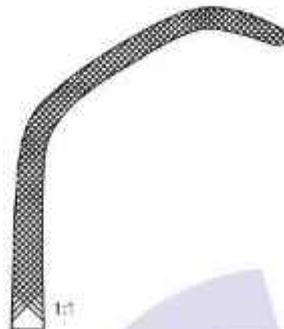
06-1384

BRONCHUS & VASCULAR CLAMPS



BABY-SATINSKY

150 mm - 6" **06-1385**



SATINSKY

265 mm - 10 1/2"

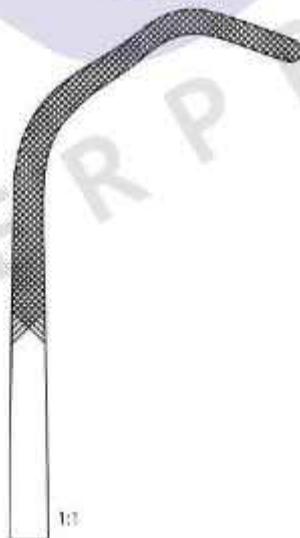


	Fig. 1	Fig. 1	Fig. 2	Fig. 2
	06-1386	06-1387	06-1388	06-1389

S-förmig gebogen
S-curved
courbe en S
curva en S
curva a forma di S

S-förmig gebogen
S-curved
courbe en S
curva en S
curva a forma di S

TOWEL FORCEPS



BERNHARD

100 mm - 4"	06-1390
120 mm - 4 3/8"	06-1391
140 mm - 5 1/2"	06-1392
165 mm - 6 1/2"	06-1393
180 mm - 7"	06-1394



BACKHAUS

90 mm - 3 1/2"	06-1395
110 mm - 4 1/4"	06-1396
130 mm - 5"	06-1397
150 mm - 6"	06-1398



ROEDER

130 mm - 5"	06-1399
150 mm - 6"	06-1400



110 mm - 4"	06-1401
-------------	----------------

mit Schlauchhalter
with clip for tube
avec porte-tuyeau
con soporte de tubo
con supporto per tubo

TOWEL FORCEPS



ROBIN

135 mm - 5 1/4"	06-1402
-----------------	----------------

mit Schlauchhalter bis 5 mm Ø
with clip for tube up to 5 mm Ø
avec porte-tuyeau à 5 mm Ø
con soporte de tubo hasta 5 mm Ø
con supporto per tubo fino a 5 mm Ø



JONES

50 mm - 2"	06-1403
90 mm - 3 1/2"	06-1404



SCHAEDEL

90 mm - 3 1/2"	06-1405
----------------	----------------



DOYEN

180 mm - 7"	06-1406
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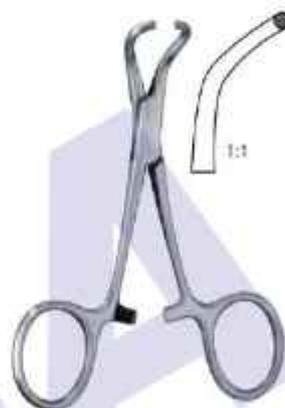
LORNA

100 mm - 4"	06-1407
130 mm - 5"	06-1408

TOWEL FORCEPS



LANE	
130 mm - 5"	06-1409
150 mm - 6"	06-1410
200 mm - 8"	06-1411



TOHOKU-JAPAN	
100 mm - 4"	06-1412
130 mm - 5"	06-1413



PEERS-BERTRAM	
145 mm - 5 3/4"	06-1414



90 mm - 3 1/2"	06-1415
115 mm - 4 1/2"	06-1416
130 mm - 5 1/4"	06-1417

für Papierabdeckung
for paper clothes
pour couvertures en papier
para paños de papel
per copertura di carta

TUBING CLAMPS



150 mm - 6"	06-1418
160 mm - 6 1/4"	06-1419
190 mm - 7 1/2"	06-1420
240 mm - 9 1/2"	06-1421



150 mm - 6"	06-1422
160 mm - 6 1/4"	06-1423
190 mm - 7 1/2"	06-1424

mit Schutzbügel
with protection
avec protection
con protector
con protettore



165 mm - 6 1/2"	06-1425
180 mm - 7"	06-1426



KLINIKUM-
BERLIN

145 mm - 5 3/4"	06-1427	06-1428
-----------------	----------------	----------------

mit extra langer Sperre
with extra long ratchet
avec crémaillère extra longue
con cremallera extra larga
con cremagliera extra lunga



150 mm - 6"	06-1429
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GUNNAR	
185 mm - 7 1/4"	06-1430

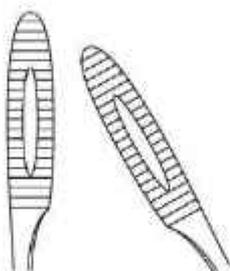
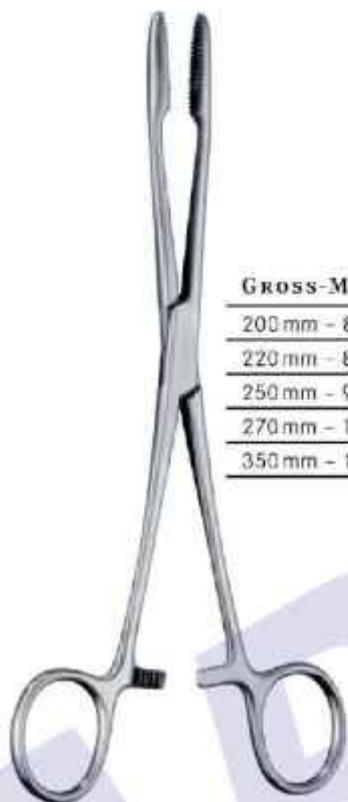
07

ARSA
ENTERPRISES

COTTON SWAP FORCEPS

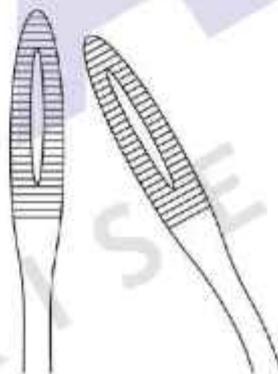


POLYPUS & DRESSING FORCEPS



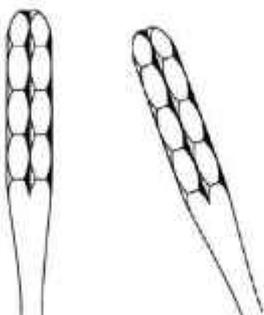
GROSS-MAIER

200 mm - 8"	07-1001	07-1006
220 mm - 8 3/4"	07-1002	07-1007
250 mm - 9 1/2"	07-1003	07-1008
270 mm - 10 3/4"	07-1004	07-1009
350 mm - 13 1/2"	07-1005	07-1010



MAIER

200 mm - 8"	07-1011	07-1013
250 mm - 9 1/2"	07-1012	07-1014



ULRICH

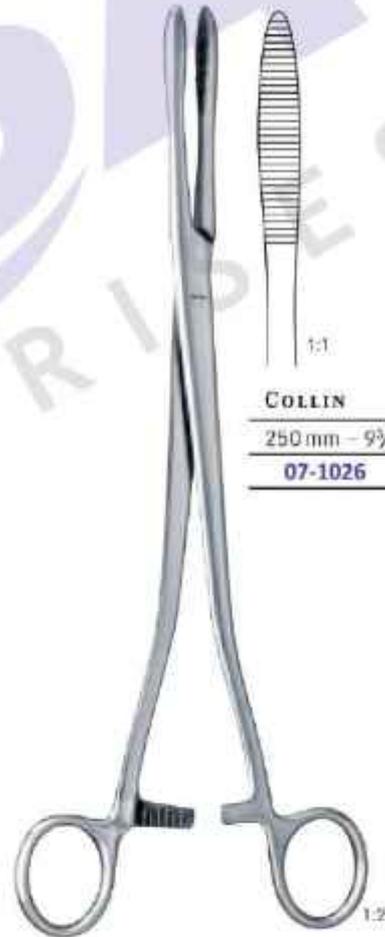
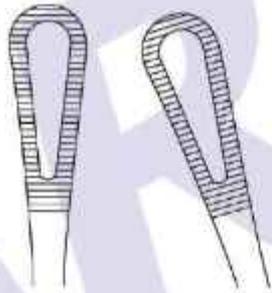
220 mm - 8 3/4"	07-1015	07-1019
250 mm - 9 1/2"	07-1016	07-1020
270 mm - 10 3/4"	07-1017	07-1021
350 mm - 14"	07-1018	07-1022

SPONGE HOLDING FORCEPS



RAMPLEY

180mm - 7"	07-1023	
250mm - 9 7/8"	07-1024	07-1025



COLLIN

250mm - 9 7/8"	07-1026
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SPONGE HOLDING FORCEPS



CHERON	
250 mm - 9 7/8"	07-1027



BERGMANN-FOERSTER		
250 mm - 9 7/8"	07-1028	07-1029

SPONGE HOLDING FORCEPS



**FOERSTER
(BALLENGER)**

180 mm - 7"	07-1030	07-1032	07-1038	07-1040
200 mm - 8"		07-1033		07-1041
250 mm - 9 3/4"	07-1031	07-1034	07-1039	07-1042
300 mm - 12"		07-1035		
350 mm - 14"		07-1036		
400 mm - 16"		07-1037		

SPONGE HOLDING FORCEPS



BOZEMANN

260 mm - 10 1/4"

07-1043

S-förmig gebogen
S-curved
courbe en S
curva en S
curve a forma di S



**BOZEMANN-
DOUGLAS**

260 mm - 10 1/4"

07-1044

S-förmig gebogen
S-curved
courbe en S
curva en S
curve a forma di S

**POLYPUS & DRESSING FORCEPS &
SPONGE HOLDING FORCEPS**



PELKMAN

250 mm - 9 7/8"

07-1045



1:2



MARTIN

170 mm - 6 3/4"

07-1046

07-1048

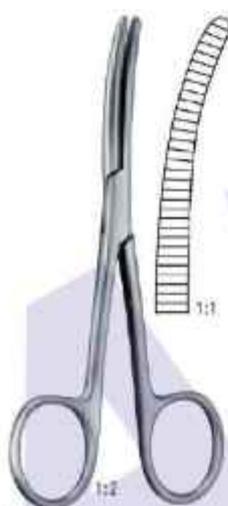
255 mm - 10"

07-1047

07-1049

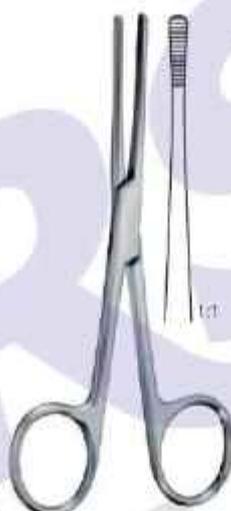


**POLYPUS & DRESSING FORCEPS &
SPONGE HOLDING FORCEPS**



BRYANT

130 mm - 5"	07-1050
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**LISTER
(SINUS)**

130 mm - 5"	07-1051
160 mm - 6 1/4"	07-1052
180 mm - 7"	07-1053

Sinusklemmen
Sinus forceps
Pinces à sinus
Pinza para el sinus
Pinze per seni



DUPLAY

200 mm - 8"	07-1054	07-1055
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08

ARSA
ENTERPRISES

RETRACTORS



NASAL HOOKS



NASAL HOOKS



ITERSON

160 mm - 6 1/4"	 1:1	 1:1
	08-1009	08-1010
	scharf sharp pointu agudo acuto	stumpf blunt mousse romo smusso

1:2



GILLIES

	 1:1	 1:1
	Fig. 1	Fig. 2
180 mm - 7"	08-1011	08-1012

1:2

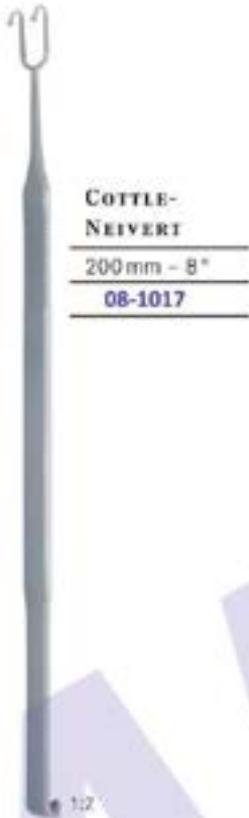


JOSEPH

	 1:1	 1:1	 1:1	 1:1
	2 mm	5 mm	7 mm	10 mm
160 mm - 6 1/4"	08-1013	08-1014	08-1015	08-1016

1:2

NASAL HOOKS



**COTTLE-
NEIVERT**

200 mm - 8"

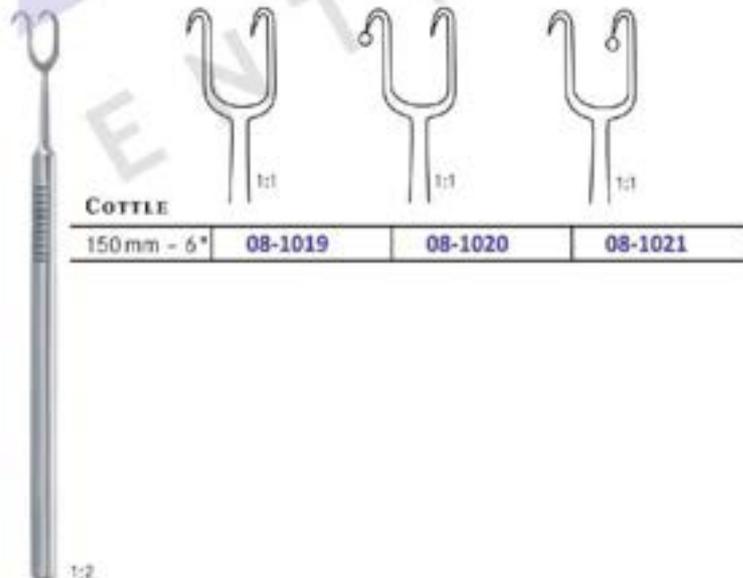
08-1017



FOMON

160 mm - 6 1/4"

08-1018



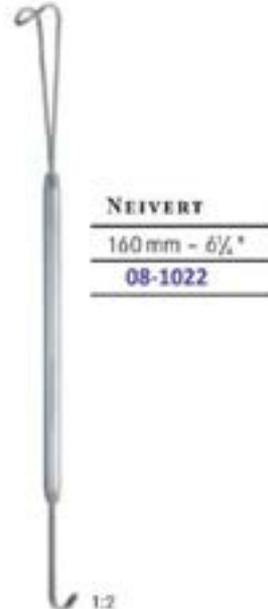
COTTLE

150 mm - 6"

08-1019

08-1020

08-1021



NEIVERT

160 mm - 6 1/4"

08-1022

TRACHEA & NOSE RETRACTORS



COTTLE

150 mm - 6"

08-1023

08-1024

1:2

KILNER

100 mm - 4"

08-1025

1:2

CONVERSE

120 mm - 4 3/4"

08-1026



LUKENS

170 mm - 6 1/2"

08-1027

- stumpf
- blunt
- mousse
- romo
- smusso

1:2



AUFRICT

160 mm - 7 1/4"

08-1028

190 mm - 7 1/2"

08-1029

1:2

AUFRICT

160 mm - 7 1/4"

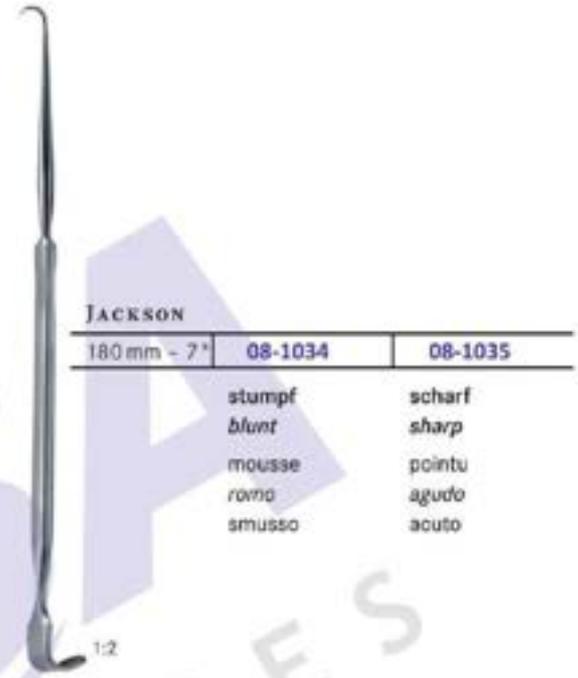
08-1030

190 mm - 7 1/2"

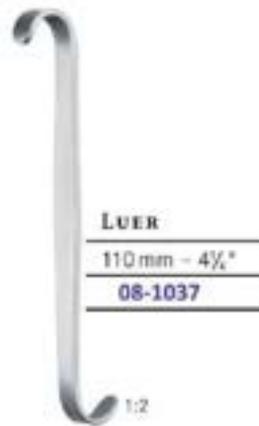
08-1031

1:2

TRACHEA RETRACTORS



Wundhaken Retractors | Ecarteurs
Separadores
Divaricatori



RETRACTORS



EMMET	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
220 mm - 8 1/2"	08-1039	08-1040	08-1041	08-1042	08-1043

	 1:1	 1:1	 1:1	 1:1
160 mm - 6 1/4"	08-1044	08-1045	08-1046	08-1047

scharf
sharp
pointu
agudo
acuto

	 1:1	 1:1	 1:1	 1:1
160 mm - 6 1/4"	08-1048	08-1049	08-1050	08-1051

stumpf
blunt
mousse
romo
smusso

RETRACTORS



160 mm - 6 1/4"

08-1052

08-1053

08-1054

flexibel, scharf
flexible, sharp
flexible, pointu
flexible, agudo
flessibile, acuto



160 mm - 6 1/4"

08-1055

08-1056

08-1057

flexibel, stumpf
flexible, blunt
flexible, mousse
flexible, roma
flessibile, smusso



BARSKY

155 mm - 6"

08-1058



1:1



DESMARRES

x = 8 mm

x = 10 mm

x = 12 mm

160 mm - 6 1/4"

08-1059

08-1060

08-1061



x = 14 mm

x = 16 mm

x = 18 mm

160 mm - 6 1/4"

08-1062

08-1063

08-1064



1:2

**KNAPP
(ROLLET)**

160 mm - 6 1/4"

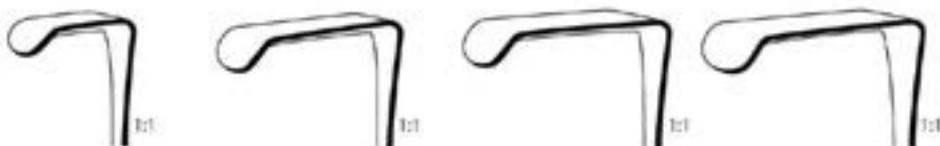
08-1065

flexibel, scharf
flexible, sharp
flexible, pointu
flexible, agudo
flessibile, acuto

RETRACTORS



MINI-LANGENBECK



	10 mm x 6 mm	17 mm x 5 mm	20 mm x 6 mm	22 mm x 8 mm
160 mm - 6 1/4"*	08-1066	08-1067	08-1068	08-1069



KOCHER



220 mm - 8 3/4"*	08-1070	08-1071	08-1072	08-1073	08-1074	08-1075
------------------	----------------	----------------	----------------	----------------	----------------	----------------

scharf
sharp
pointu
agudo
acuto



220 mm - 8 3/4"*	08-1076	08-1077	08-1078	08-1079	08-1080	08-1081
------------------	----------------	----------------	----------------	----------------	----------------	----------------

stumpf
blunt
mousse
romo
smusso



220 mm - 8 3/4"*	08-1082	08-1083	08-1084	08-1085	08-1086	08-1087
------------------	----------------	----------------	----------------	----------------	----------------	----------------

halbscharf
semi-sharp
semi-pointu
semi-agudo
semi-acuto

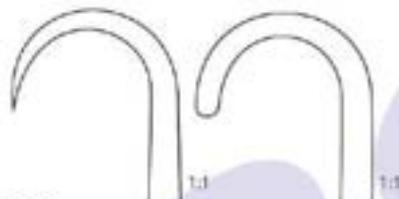
RETRACTORS

						
	VOLKMANN					
	215 mm - 8 1/2"*	08-1088	08-1089	08-1090	08-1091	08-1092
	scharf sharp pointu agudo acuto					
						
215 mm - 8 1/2"*	08-1093	08-1094	08-1095	08-1096	08-1097	
stumpf blunt mousse raro smusso						
						
215 mm - 8 1/2"*	08-1098	08-1099	08-1100	08-1101	08-1102	
halbscharf semi-sharp semi-pointu semi-agudo semi-acuto						

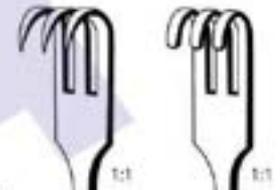
RETRACTORS



VOLKMANN		
215 mm - 8 1/2 °	08-1103	08-1104
scharf		stumpf
sharp		blunt
pointu		mousse
agudo		romo
acuto		smusso



SENN-MILLER		
160 mm - 6 1/4 °	08-1105	08-1106
scharf		stumpf
sharp		blunt
pointu		mousse
agudo		romo
acuto		smusso



VOLKMANN	
215 mm - 8 1/2 °	08-1107
scharf	
sharp	
pointu	
agudo	
acuto	



VOLKMANN	
245 mm - 8 1/2 °	08-1108
scharf	
sharp	
pointu	
agudo	
acuto	



KILNER	
155 mm - 6 °	08-1109



13 mm x 5 mm

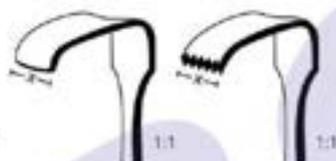


RETRACTORS



STRANDELL-STILLE

	20 mm x 6 mm	20 mm x 6 mm
190 mm - 7 1/2°	08-1110	08-1111

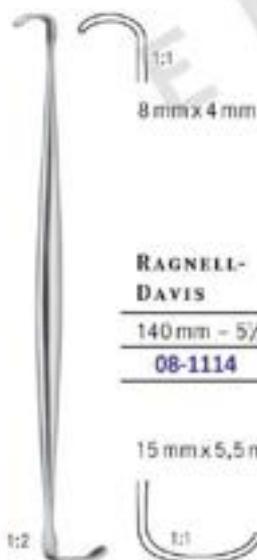


gezahnt
saw edge
dentelé
dentado
dentato



SENN-GREEN

	20 mm x 6 mm	10 mm x 6 mm
150 mm - 6°	08-1112	08-1113



RAGNELL-DAVIS

140 mm - 5 1/2°	08-1114
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15 mm x 5,5 mm



COTTLE

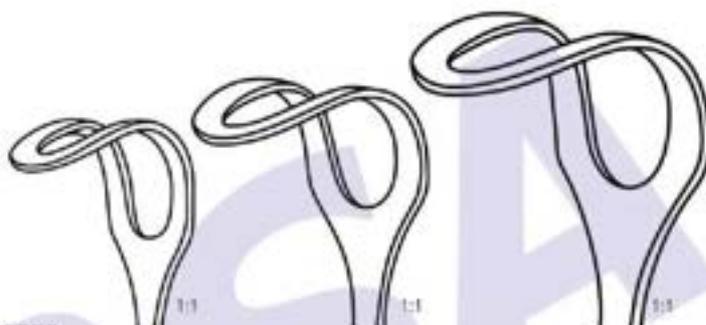
150 mm - 6°	08-1115
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CRILE

110 mm - 4 1/2°	08-1116
-----------------	----------------

RETRACTORS



MIDDELDORFF

14 mm x 17 mm	20 mm x 22 mm	26 mm x 30 mm
215 mm - 8 1/2°*	220 mm - 8 1/2°*	235 mm - 9 1/4°*
08-1117	08-1118	08-1119



MEYERDING



18 mm x 7 mm	10 mm x 3 mm
180 mm - 7°	08-1120
	08-1121



16 mm x 5 mm	7 mm x 4 mm
180 mm - 7°	08-1122
	08-1123



10 mm x 4 mm	7 mm x 4 mm
180 mm - 7°	08-1124
	08-1125

RETRACTORS



KOERTE

235 mm - 9 1/4"	26 mm x 40 mm 08-1126	26 mm x 40 mm 08-1127
-----------------	---------------------------------	---------------------------------

scharf
sharp
pointu
agudo
acuto

stumpf
blunt
mousse
romo
smusso



GREEN

215 mm - 8 1/2"	08-1128
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RETRACTORS



ISRAEL		
	a = 40 mm - b = 40 mm	a = 45 mm - b = 50 mm
250 mm - 9 1/4"	08-1129	08-1130

4 Zähne
4 Teeth
4 Dents
4 Dientes
4 Denti

5 Zähne
5 Teeth
5 Dents
5 Dientes
5 Denti

	a = 50 mm - b = 60 mm	a = 70 mm - b = 70 mm
250 mm - 9 1/4"	08-1131	08-1132

6 Zähne
6 Teeth
6 Dents
6 Dientes
6 Denti

6 Zähne
6 Teeth
6 Dents
6 Dientes
6 Denti



LANGENBECK			
			
	Fig. 1	Fig. 2	Fig. 3
	30 mm x 11 mm	30 mm x 14 mm	30 mm x 16 mm
220 mm - 8 1/2"	08-1133	08-1134	08-1135

		
	Fig. 4	Fig. 5
	40 mm x 11 mm	50 mm x 11 mm
220 mm - 8 1/2"	08-1136	08-1137

RETRACTORS



LANGENBECK



	Fig. 1	Fig. 2	Fig. 3
	30 mm x 11 mm	30 mm x 14 mm	30 mm x 16 mm
210 mm - 8 1/2"	08-1138	08-1139	08-1140



	Fig. 4	Fig. 5
	40 mm x 11 mm	50 mm x 11 mm
210 mm - 8 1/2"	08-1141	08-1142

**KOCHER-LANGENBECK
(OBWEGESER)**



	25 mm x 7 mm	35 mm x 6 mm	35 mm x 11 mm	35 mm x 15 mm
215 mm - 8 1/2"	08-1143	08-1144	08-1145	08-1146



	42 mm x 10 mm	55 mm x 12 mm	70 mm x 14 mm
215 mm - 8 1/2"	08-1147	08-1148	08-1149



	80 mm x 12 mm	80 mm x 16 mm
215 mm - 8 1/2"	08-1150	08-1151



RETRACTORS



CUSHING

	x = 8 mm	x = 10 mm	x = 12 mm	x = 14 mm	x = 16 mm	x = 18 mm
200 mm - 8*	08-1152	08-1154	08-1156	08-1158	08-1160	08-1162
240 mm - 9 1/2*	08-1153	08-1155	08-1157	08-1159	08-1161	08-1163



OBWEGESER

	42 mm x 13 mm	60 mm x 12 mm
220 mm - 8 1/4*	08-1164	08-1165

	80 mm x 16 mm
220 mm - 8 1/4*	08-1166

RETRACTORS



OBWEGESER

220 mm - 8 1/4°

44 mm x 9,5 mm

08-1167

70 mm x 11,5 mm

08-1168



OBWEGESER

155 mm - 6°

08-1169



OBWEGESER

160 mm - 6 1/4°

x = 8 mm

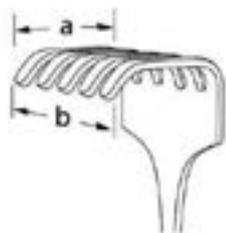
08-1170

x = 10 mm

08-1171

biegsam
malleable
malléable
malleable
flessibile

RETRACTORS



Ollier

	a = 36 mm - b = 30 mm	a = 36 mm - b = 60 mm
225 mm - 8 1/4"	08-1172	08-1173



Kocher

	55 mm x 11 mm	40 mm x 12 mm
210 mm - 8 1/4"	08-1174	08-1175

RETRACTORS



LANGENBECK

	60 mm x 20 mm
210 mm - 8 1/4"	08-1176



LANGENBECK

	85 mm x 15 mm
210 mm - 8 1/4"	08-1177

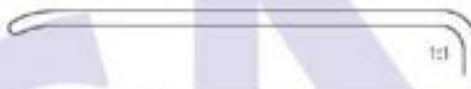
Griff vertikal zum Blatt
Handle vertical to the blade
 Poignée verticale à la lame
Mango vertical a la hoja
 Manico verticale verso la lama

RETRACTORS



SAUERBRUCH

	45 mm x 15 mm	75 mm x 20 mm
225 mm - 8 7/8"	08-1179	08-1180



	60 mm x 23 mm
220 mm - 8 7/8"	08-1181



LAHEY
190 mm - 7 1/2"
28 mm x 6 mm
08-1178



KOCHER

	19 mm x 12 mm	21 mm x 14 mm
190 mm - 7 1/2"	08-1182	08-1183



KOCHER

	40 mm x 10 mm	40 mm x 15 mm	40 mm x 20 mm
220 cm - 8 7/8"	08-1184	08-1185	08-1186

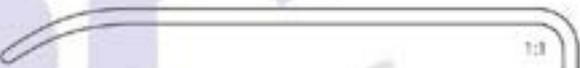


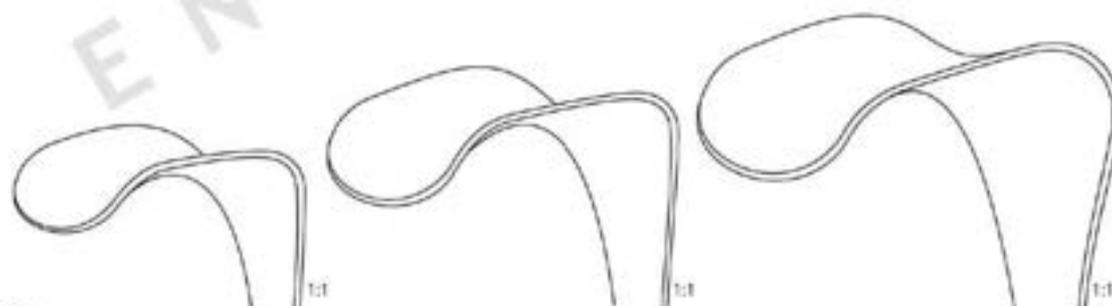
RETRACTORS

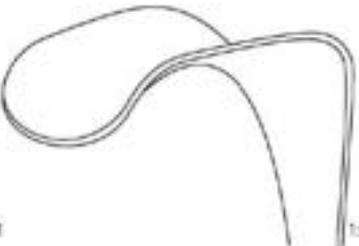


KOCHER		
	 1:1	 1:1
	40 mm x 18 mm	60 mm x 20 mm
230 mm - 9°	08-1187	08-1188

	 1:1	 1:1
	60 mm x 25 mm	75 mm x 30 mm
230 mm - 9°	08-1189	08-1190

	 1:1
	75 mm x 40 mm
230 mm - 9°	08-1191



RICHARDSON			
	 1:1	 1:1	 1:1
	28 mm x 20 mm	36 mm x 28 mm	44 mm x 38 mm
240 mm - 9½°	08-1192	08-1193	08-1194



RETRACTORS



1:2



1:2



1:2

RICHARDSON-EASTMAN

	Fig. 1	Fig. 2
	280 mm - 11"	260 mm - 10 1/4"
	49 mm x 38 mm	36 mm x 28 mm
	63 mm x 49 mm	28 mm x 20 mm
08-1195	x	
08-1196		x
08-1197	x	x

RICHARDSON

240 mm - 9 1/2"
52 mm x 22 mm
08-1198

KELLY

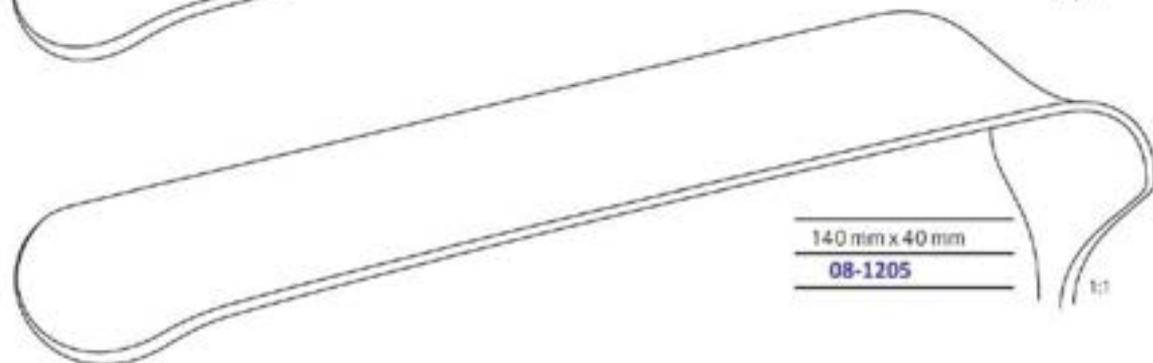
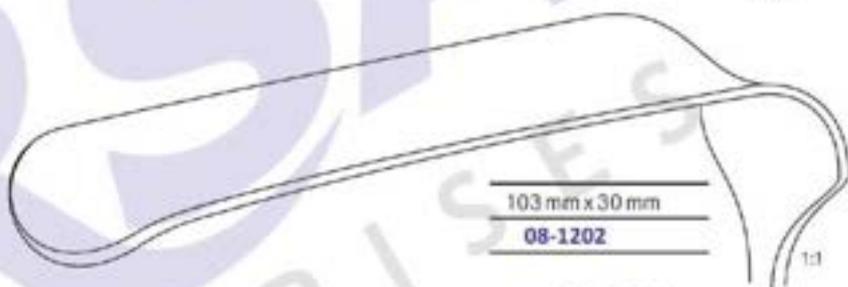
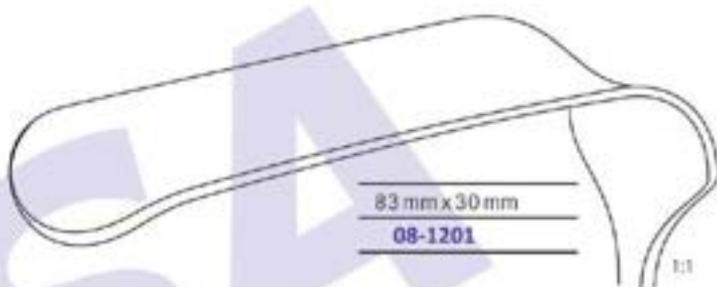
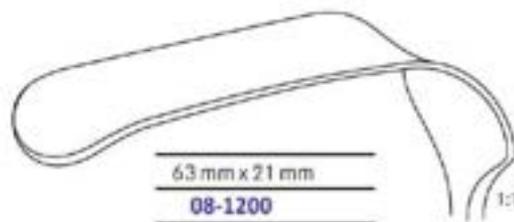
260 mm - 10 1/4"
65 mm x 50 mm
08-1199

RETRACTORS

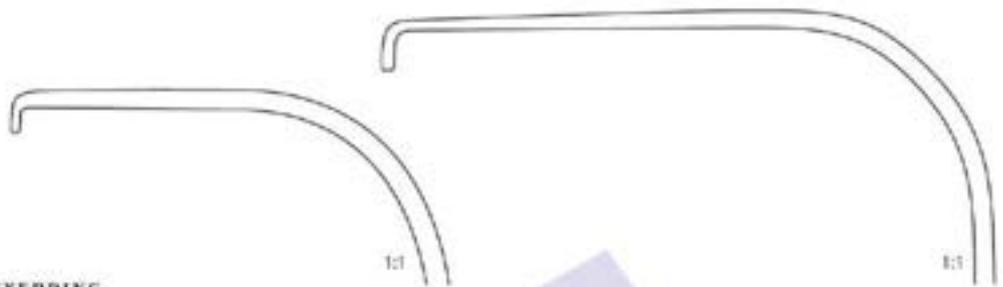


HOESEL

260 mm - 10 3/4"



RETRACTORS

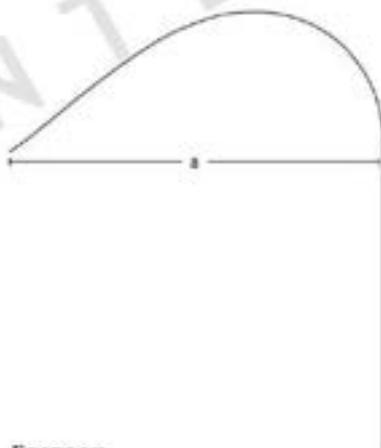


MEYERDING

200 mm - 8°	220 mm - 8½°
50 mm x 16 mm	75 mm x 25 mm
08-1206	08-1207



240 mm - 9½°
90 mm x 50 mm
08-1208



FRICTSCH

235 mm - 9¼°	a = 37 mm - b = 31 mm	08-1209
240 mm - 9½°	a = 38 mm - b = 40 mm	08-1210
250 mm - 9¾°	a = 43 mm - b = 51 mm	08-1211
250 mm - 9¾°	a = 49 mm - b = 61 mm	08-1212
255 mm - 10°	a = 48 mm - b = 75 mm	08-1213
265 mm - 10½°	a = 65 mm - b = 85 mm	08-1214

RETRACTORS



SIMON

	115 mm x 22 mm	115 mm x 27 mm
280 cm - 11°	08-1215	08-1216



HARRINGTON

	127 mm x 40 mm	127 mm x 62 mm
320 mm - 12 1/2°	08-1217	08-1218

RETRACTORS



1:2



1:1

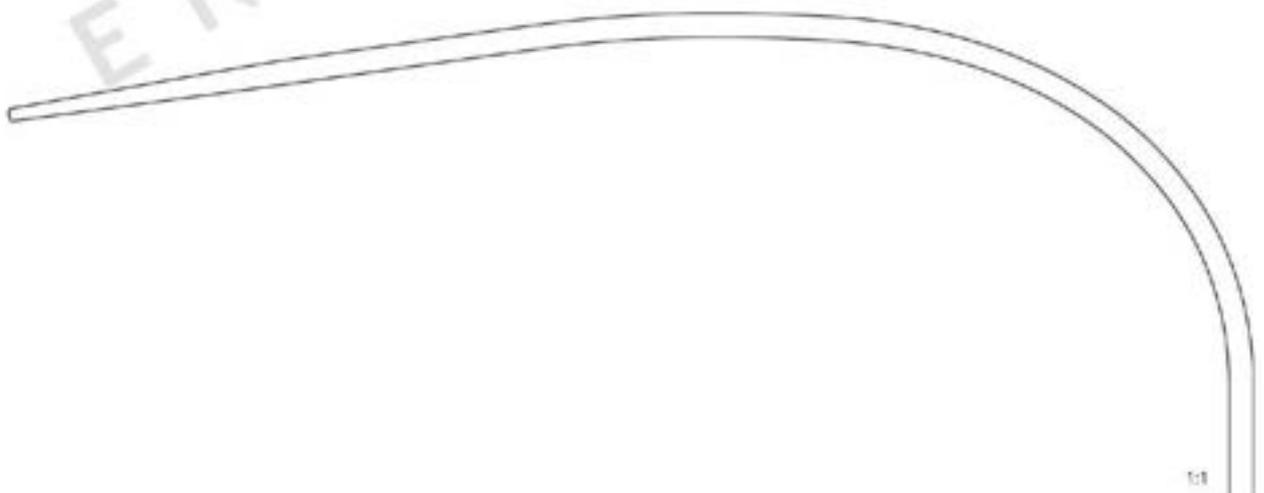
MIKULICZ

	95 mm x 35 mm
260 mm - 10 1/4"	08-1219



1:1

120 mm x 50 mm
08-1220



1:1

150 mm x 50 mm
08-1221

RETRACTORS



MIKULICZ

260 mm - 10 1/2"*

90 mm x 50 mm

08-1222

1:2



DAVIDSON

a = 75 mm - b = 50 mm

a = 75 mm - b = 90 mm

160 mm - 6 1/2"*

08-1223

08-1224



1:2

RETRACTORS



KADER

	270 mm
x = 20 mm	08-1225
x = 30 mm	08-1226
x = 40 mm	08-1227

KELLY

	190 mm x 38 mm	190 mm x 57 mm
270 mm - 10 1/4"	08-1228	08-1229

RETRACTORS



1:3



ZENKER

250 mm - 9 $\frac{1}{4}$ "*	260 mm - 10 $\frac{1}{4}$ "*	275 mm - 10 $\frac{1}{4}$ "*	290 mm - 11 $\frac{1}{2}$ "*
35 mm x 8 mm	60 mm x 12 mm	75 mm x 12 mm	120 mm x 12 mm
08-1230	08-1231	08-1232	08-1233

RETRACTORS



COOLEY		
	250 mm - 9 7/8"*	250 mm - 9 7/8"*
	08-1234	08-1235
rechts <i>right</i> droite <i>derecha</i> destra	rechts, gerieft <i>right, serrated</i> droite, strié <i>derecha, estriado</i> destra, zigrinato	links <i>left</i> gauche <i>izquierda</i> sinistra

RETRACTORS



MIDDELDORPF

	45 mm x 45 mm	45 mm x 50 mm	55 mm x 70 mm
255 mm - 10*	08-1237	08-1238	08-1239

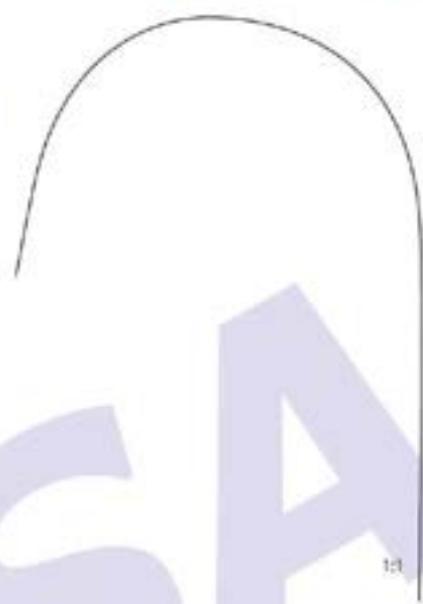
1:2

RETRACTORS

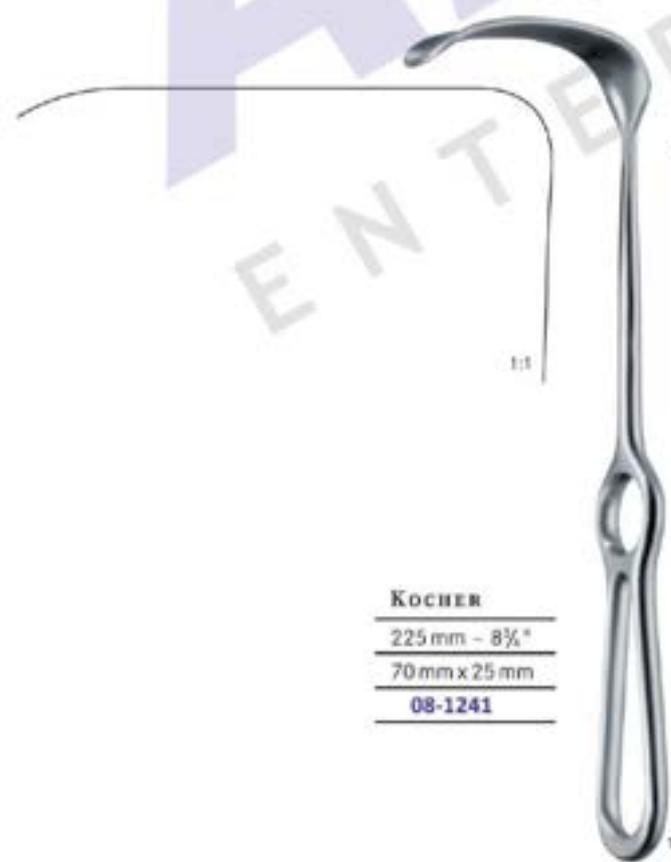


DOYEN
250 mm - 9%*
50 mm x 85 mm
08-1240

1:2



1:1



KOCHER
225 mm - 8%*
70 mm x 25 mm
08-1241

1:2



1:1



KOCHER
250 mm - 9%*
80 mm x 45 mm **08-1242**
80 mm x 55 mm **08-1243**
80 mm x 65 mm **08-1244**

1:2

1:1

RETRACTORS



RETRACTORS



HEANEY		
	45 mm x 25 mm	73 mm x 28 mm
270 mm - 10 1/2"	08-1248	08-1249



82 mm x 28 mm	08-1250
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CORYLLOS	
	82 mm x 22 mm
240 mm - 9 1/2"	08-1251



108 mm x 43 mm	08-1252
----------------	----------------



115 mm x 65 mm	08-1253
----------------	----------------



RETRACTORS



BRUNNER
250 mm - 9 1/2"

1:2

80 mm x 20 mm
08-1254

1:1

100 mm x 20 mm
08-1255

1:1

120 mm x 25 mm
08-1256

1:1

140 mm x 25 mm
08-1257

1:1

160 mm x 30 mm
08-1258

1:1

180 mm x 30 mm
08-1259

1:1

RETRACTORS



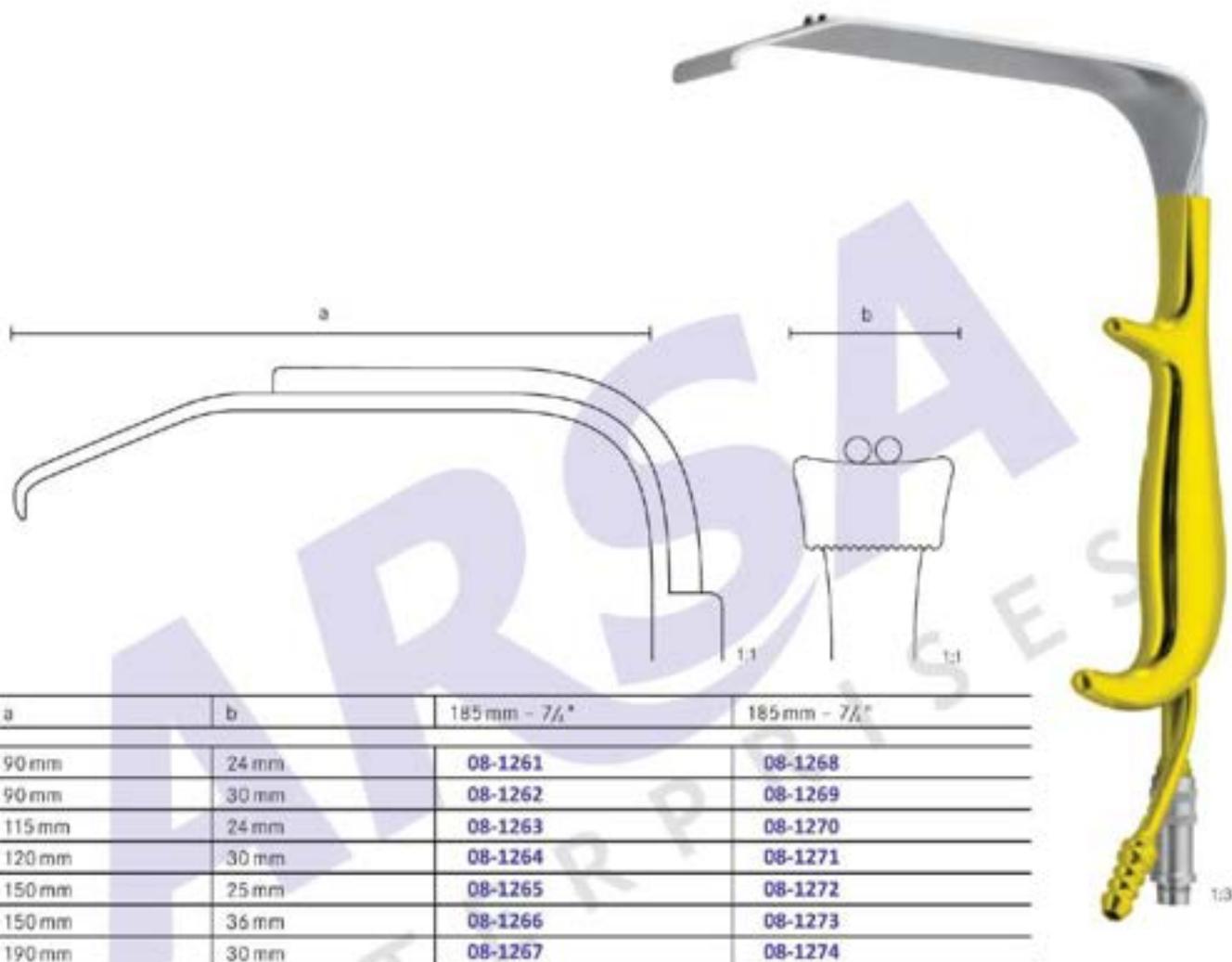
BRUNNER

240 mm - 9 1/2"

142 mm x 25 mm

08-1260

MAMAPLASTY RETRACTORS



a	b	185 mm - 7/8"	185 mm - 7/8"
90 mm	24 mm	08-1261	08-1268
90 mm	30 mm	08-1262	08-1269
115 mm	24 mm	08-1263	08-1270
120 mm	30 mm	08-1264	08-1271
150 mm	25 mm	08-1265	08-1272
150 mm	36 mm	08-1266	08-1273
190 mm	30 mm	08-1267	08-1274

gezahnt und Kaltlichtbeleuchtung
toothed with fiber optic illumination
 dentelée avec illumination à lumière froide
 dentada con iluminación de luz fría
 dentata con illuminazione a luce fredda

mit Spülrohr
with irrigation tube
 avec tube de lavage
 con tubo lavador
 con tubo di lavaggio

ohne Spülrohr
without irrigation tube
 sans tube de lavage
 sin tubo lavador
 senza tubo di lavaggio

a	b	185 mm - 7/8"	165 mm - 7/8"
90 mm	24 mm	08-1275	08-1280
115 mm	24 mm	08-1276	08-1281
150 mm	25 mm	08-1277	08-1282
150 mm	36 mm	08-1278	08-1283
190 mm	30 mm	08-1279	08-1284

ohne Zähne mit Kaltlichtbeleuchtung
non-toothed with fiber optic illumination
 sans denture avec illumination à lumière froide
 sin dentada con iluminación de luz fría
 no dentata con illuminazione a luce fredda

mit Spülrohr
with irrigation tube
 avec tube de lavage
 con tubo lavador
 con tubo di lavaggio

ohne Spülrohr
without irrigation tube
 sans tube de lavage
 sin tubo lavador
 senza tubo di lavaggio

MAMAPLASTY RETRACTORS



Ferreira

a	b	185 mm - 7 1/4"	
90 mm	24 mm	08-1285	08-1290
115 mm	24 mm	08-1286	08-1291
150 mm	25 mm	08-1287	08-1292
150 mm	36 mm	08-1288	08-1293
190 mm	30 mm	08-1289	08-1294

Wundhaken
Retractors
Ecarteurs
Retradores
Divaricatori

ohne Zahnung
non-toothed
sans denture
sin dentada
no dentata

Gezähnt
toothed
denture
dentada
dentata

MacCollum - Dingman

315 mm - 12 1/2"
08-1295

MAMAPLASTY RETRACTORS



330 mm - 13°	08-1296	08-1298	08-1300
420 mm - 16½°	08-1297	08-1299	08-1301
abgewinkelt angled	starr rigid	biegsam malleable	Schaft isoliert Shaft insulated
angulé angulado angolato	rigide rigido rigido	maléable maleable flessibile	Tige isolée Tija aislada Asta isolata



330 mm - 13°	08-1302	08-1304	08-1306
420 mm - 16½°	08-1303	08-1305	08-1307
	starr rigid	biegsam malleable	Schaft isoliert Shaft insulated
	rigide rigido rigido	maléable maleable flessibile	Tige isolée Tija aislada Asta isolata



	x = 25 mm	x = 33 mm
315 mm - 12½°	08-1308	08-1309

halbstarr
semi rigid
semi rigide
semi rigido
semi rigido

RETRACTORS



GIL-VERNET



	x = 8 mm	x = 11 mm	x = 15 mm	x = 17 mm	x = 20 mm	x = 23 mm
240 mm - 9 1/2"*	08-1310	08-1311	08-1312	08-1313	08-1314	08-1315

biegsam
malleable
malléable
maleable
malleabile



ST. MARKS

290 mm - 11 1/2"*	325 mm - 12 3/4"*	330 mm - 13"*
130 mm x 60 mm	180 mm x 60 mm	180 mm x 60 mm
08-1316	08-1317	08-1318

RETRACTORS



CUSHING
200 mm - 8°
08-1319



KOERTE
280 mm - 11°
120 mm x 47 mm
08-1320



MORRIS
210 mm - 8½°
50 mm x 55 mm
08-1321



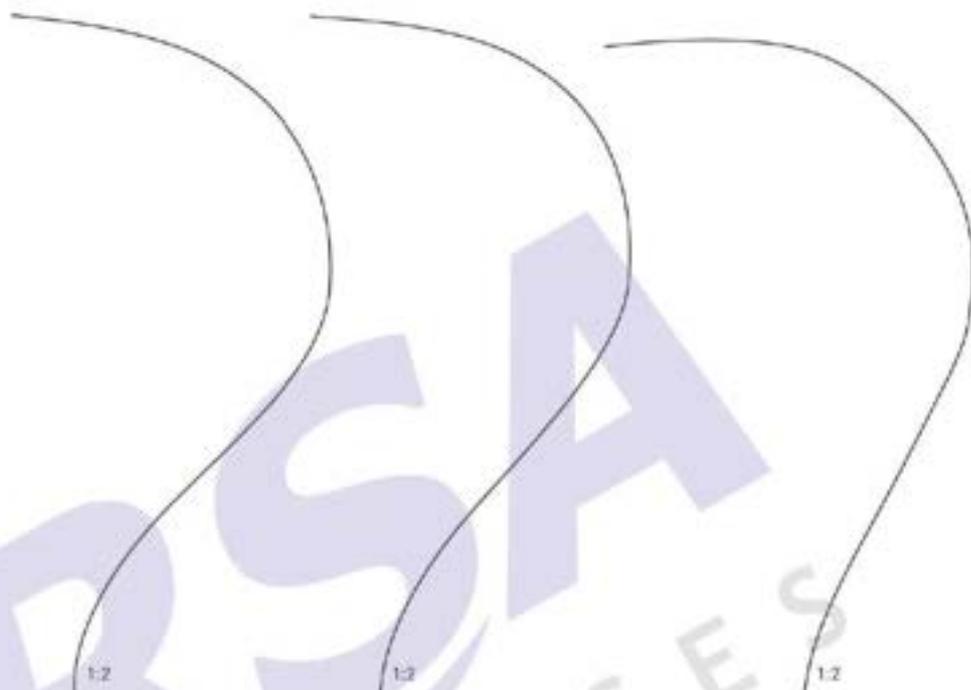
MORRIS	70 mm x 40 mm	70 mm x 50 mm	70 mm x 65 mm
245 mm - 9½°	08-1322	08-1323	08-1324

RETRACTORS

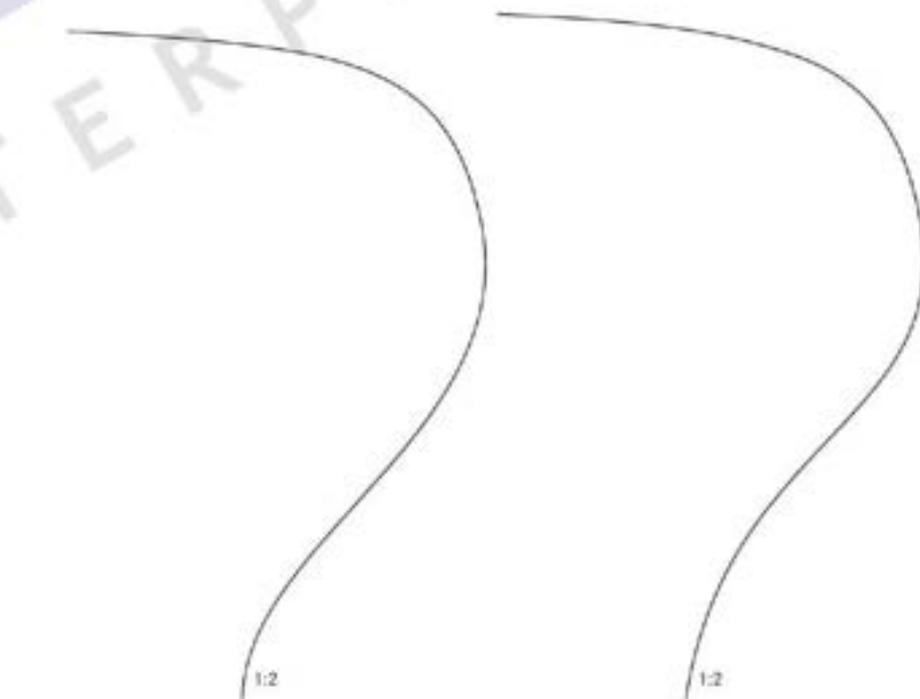


DEAVER

	x = 25 mm	x = 38 mm	x = 50 mm
315 mm - 12 1/2"	08-1325	08-1326	08-1327



ARSA ENTERPRISES



x = 75 mm	x = 100 mm
08-1328	08-1329

RETRACTORS



DEAVER

180 mm - 7"	215 mm - 8½"	230 mm - 9"
x = 19 mm	x = 22 mm	x = 25 mm
08-1330	08-1331	08-1332

RETRACTORS



DEAVER

300 mm - 12°	330 mm - 13°	360 mm - 14¼°
x = 25 mm	x = 25 mm	x = 25 mm
08-1333	08-1334	08-1335

RETRACTORS



DEAVER

300 mm - 12°	300 mm - 12°	300 mm - 12°
x = 38 mm	x = 50 mm	x = 75 mm
08-1336	08-1337	08-1338

RETRACTORS



1:2



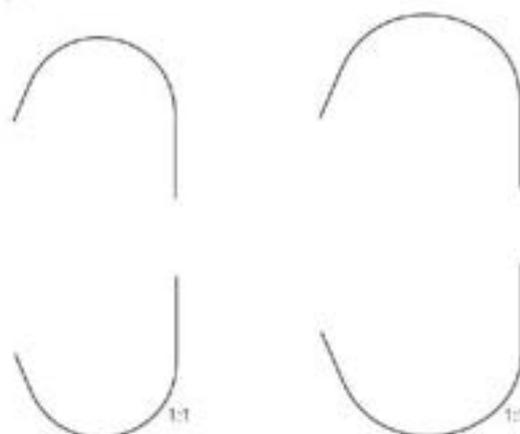
ROUX

	Fig. 1	Fig. 2	Fig. 3
	140 mm - 5½°	150 mm - 6°	170 mm - 6½°
	24 mm x 20 mm	29 mm x 26 mm	33 mm x 29 mm
	30 mm x 28 mm	36 mm x 36 mm	38 mm x 43 mm
	08-1340	08-1341	08-1342
08-1339	x	x	x

Satz
Set
Jeu
Juego
Serie



1:2



PARKER

	Fig. 1	Fig. 2
	135 mm - 5½°	135 mm - 5½°
	18 mm x 15 mm	22 mm x 15 mm
08-1343	x	x

Satz
Set
Jeu
Juego
Serie

RETRACTORS



PARKER

180 mm - 7°	Fig. 1	Fig. 2
	26 mm x 25 mm	29 mm x 25 mm
	27 mm x 25 mm	27 mm x 25 mm
08-1344	x	x

Satz
Set
Jeu
Juego
Serie



MINI-ROUX

145 mm - 5½°
8 mm x 6 mm
08-1345

1:2



BABY-ROUX

130 mm - 5°
17 mm x 16 mm
18 mm x 22 mm
08-1346

1:2



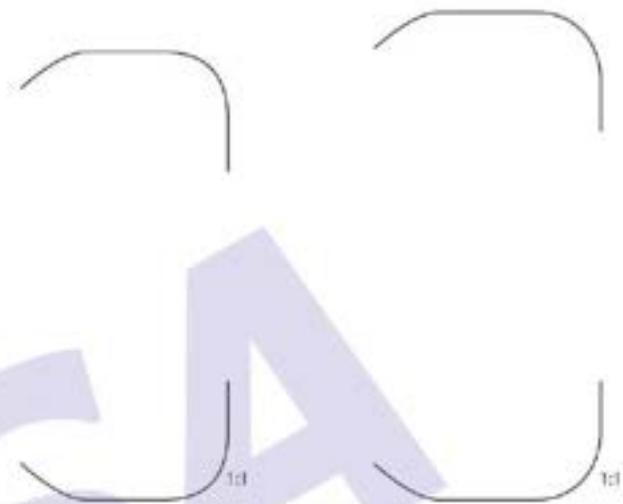
RETRACTORS



MAYO-COLLIN

150 mm - 6"	Fig. 1	Fig. 2
	25 mm x 18 mm	28 mm x 19 mm
	28 mm x 18 mm	32 mm x 19 mm
08-1347	x	x

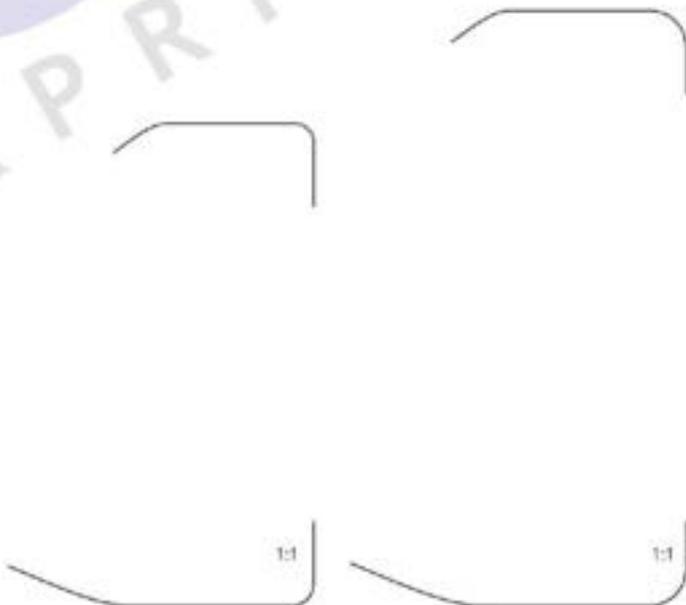
Satz
Set
Jeu
Juego
Serie



**PARKER-LANGENBECK
(US ARMY)**

210 mm - 8 1/4"	Fig. 1	Fig. 2
	21 mm x 24 mm	25 mm x 24 mm
	40 mm x 15 mm	45 mm x 15 mm
08-1348	x	x

Satz
Set
Jeu
Juego
Serie



RETRACTORS

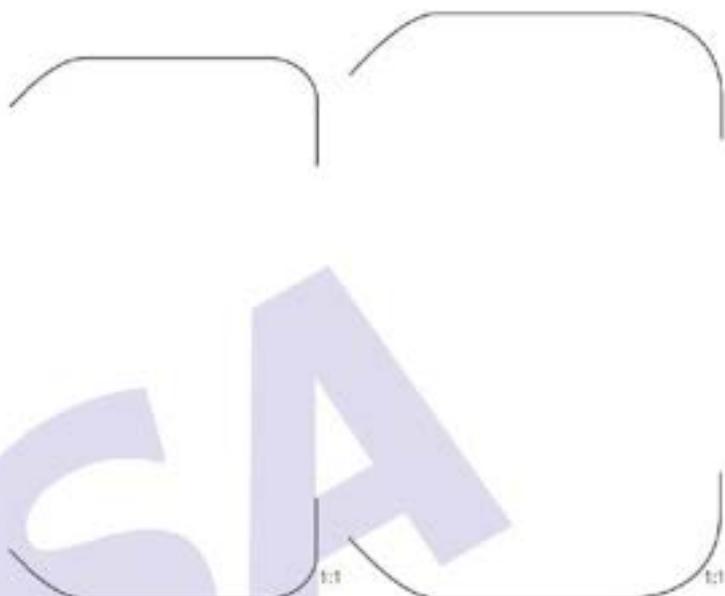


MATHIEU

200 mm - 8°

	Fig. 1	Fig. 2
	42 mm x 13 mm	47 mm x 13 mm
	42 mm x 26 mm	46 mm x 26 mm
08-1349	x	x

Satz
Set
Jeu
Juego
Serie



LANE

230 mm - 9°

35 mm x 19 mm

30 mm x 13 mm

08-1350



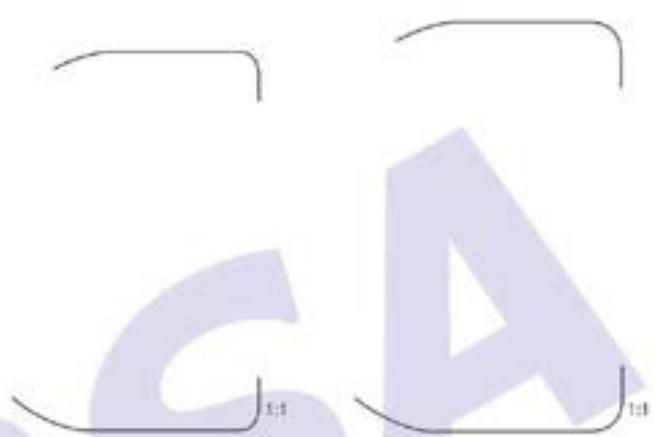
RETRACTORS



FARABEUF

120 mm - 4 1/2"	Fig. 1	Fig. 2
	26 mm x 10 mm	30 mm x 10 mm
	30 mm x 12 mm	34 mm x 12 mm
08-1351	x	x

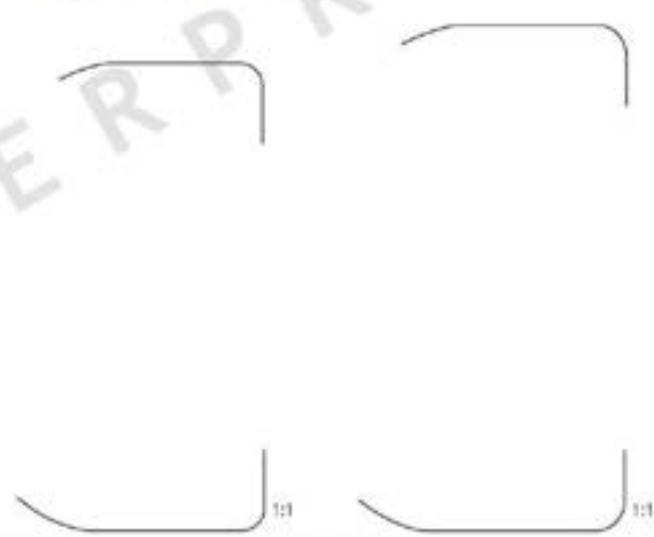
Satz
Set
Jeu
Juego
Serie



FARABEUF

150 mm - 6"	Fig. 1	Fig. 2
	23 mm x 16 mm	27 mm x 16 mm
	26 mm x 16 mm	30 mm x 16 mm
08-1352	x	x

Satz
Set
Jeu
Juego
Serie



SELF RETAINING RETRACTORS



ALM

70 mm - 2 1/2°	08-1353	08-1355	08-1357
100 mm - 4°	08-1354	08-1356	08-1358

scharf
sharp
pointu
agudo
acuto

halbscharf
semi sharp
semi pointu
semi agudo
semi acuto

stumpf
blunt
mousse
romo
smusso



HOLTZHEIMER

100 mm - 4°	08-1359	08-1360
-------------	---------	---------

scharf
sharp
pointu
agudo
acuto

stumpf
blunt
mousse
romo
smusso



BOSE

70 mm - 2 1/2°	08-1361
----------------	---------



JANSSEN

100 mm - 4°	08-1362	08-1363
-------------	---------	---------

scharf
sharp
pointu
agudo
acuto

stumpf
blunt
mousse
romo
smusso

SELF RETAINING RETRACTORS



CLOWARD-CONTOUR

140 mm - 5 1/2"	08-1364	08-1365
-----------------	---------	---------

3x4	3x4
scharf	stumpf
sharp	blunt
pointu	mousse
agudo	romo
acuto	smusso



WULLSTEIN

100 mm - 4"	08-1366	08-1367
-------------	---------	---------

3x3	3x3
scharf	stumpf
sharp	blunt
pointu	mousse
agudo	romo
acuto	smusso



WEITLANER-WULLSTEIN

130 mm - 5"	08-1368	08-1369
-------------	---------	---------

3x3	3x3
scharf	stumpf
sharp	blunt
pointu	mousse
agudo	romo
acuto	smusso



MILLIGAN

130 mm - 5"	08-1370
-------------	---------

3x3
stumpf
blunt
mousse
romo
smusso

SELF RETAINING RETRACTORS

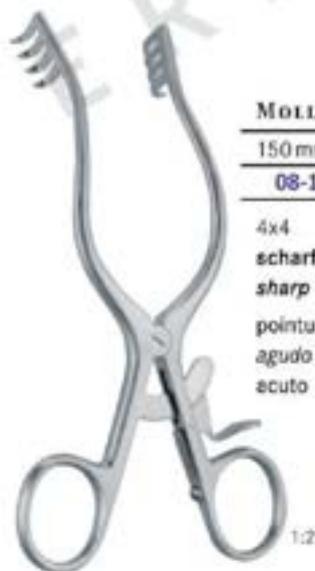


BELUCCI

110 mm - 4 3/8"	08-1371	08-1373
130 mm - 5"	08-1372	08-1374

1x2
links, stumpf
left, blunt
gauche, mousse
izquierda, roma
sinistra, smusso

1x2
rechts, stumpf
right, blunt
droit, mousse
derecha, roma
destra, smusso



MOLLISON

150 mm - 6"

08-1375

4x4
scharf
sharp
pointu
agudo
acuto

1:2

SELF RETAINING RETRACTORS



PLESTER

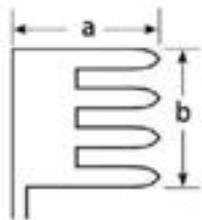
130 mm - 5°	08-1376	08-1377
	2x2 stumpf <i>blunt</i> mousse romo smusso	2x2 scharf <i>sharp</i> pointu agudo acuto



PLESTER

110 mm - 4½°	08-1378	08-1379
	2x1 links, stumpf <i>left, blunt</i> gauche, mousse izquierda, romo sinistra, smusso	1x2 rechts, stumpf <i>right, blunt</i> droit, mousse derecha, romo destra, smusso

SELF RETAINING RETRACTORS



WEITLANER-LOKTITE

105 mm - 4 1/4"	a = 17 mm - b = 13 mm	08-1380	08-1381	08-1382			
130 mm - 5"	a = 17 mm - b = 17 mm				08-1383	08-1387	08-1391
165 mm - 6 1/2"	a = 17 mm - b = 17 mm				08-1384	08-1388	08-1392
200 mm - 8"	a = 20 mm - b = 19 mm				08-1385	08-1389	08-1393
260 mm - 10 1/4"	a = 26 mm - b = 21 mm				08-1386	08-1390	08-1394

2 x 3
scharf
sharp
pointu
agudo
acuto

2 x 3
halbscharf
semi sharp
semi pointu
semi agudo
semi acuto

2 x 3
stumpf
blunt
mousse
romo
smusso

3 x 4
scharf
sharp
pointu
agudo
acuto

3 x 4
halbscharf
semi sharp
semi pointu
semi agudo
semi acuto

3 x 4
stumpf
blunt
mousse
romo
smusso

SELF RETAINING RETRACTORS



NORFOLK AND NORWICH
220 mm - 8 7/8"*

08-1395
4x5
stumpf
blunt
mousse
romo
smusso

1:2



TRAVES
215 mm - 8 1/2"*

08-1396
4x5
stumpf
blunt
mousse
romo
smusso

1:2



ANDERSON-ADSON

195 mm - 7 3/4"*	08-1397	08-1398
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4x4
scharf
sharp
pointu
agudo
acuto

4x4
stumpf
blunt
mousse
romo
smusso

1:2

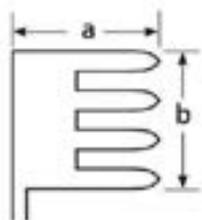


MAYO-ADAMS
165 mm - 6 1/2"*

08-1399
2x2
stumpf
blunt
mousse
romo
smusso

1:2

SELF RETAINING RETRACTORS



ADSON (CONE)

130 mm - 5"	a = 17 mm - b = 19 mm	08-1400	08-1404
160 mm - 6 1/4"	a = 17 mm - b = 19 mm	08-1401	08-1405
200 mm - 8"	a = 20 mm - b = 20 mm	08-1402	08-1406
260 mm - 10 1/4"	a = 26 mm - b = 21 mm	08-1403	08-1407

3x4
scharf
sharp
pointu
agudo
acuto

3x4
stumpf
blunt
mousse
romo
smusso

BECKMANN-EATON

320 mm - 12 1/2"
08-1408

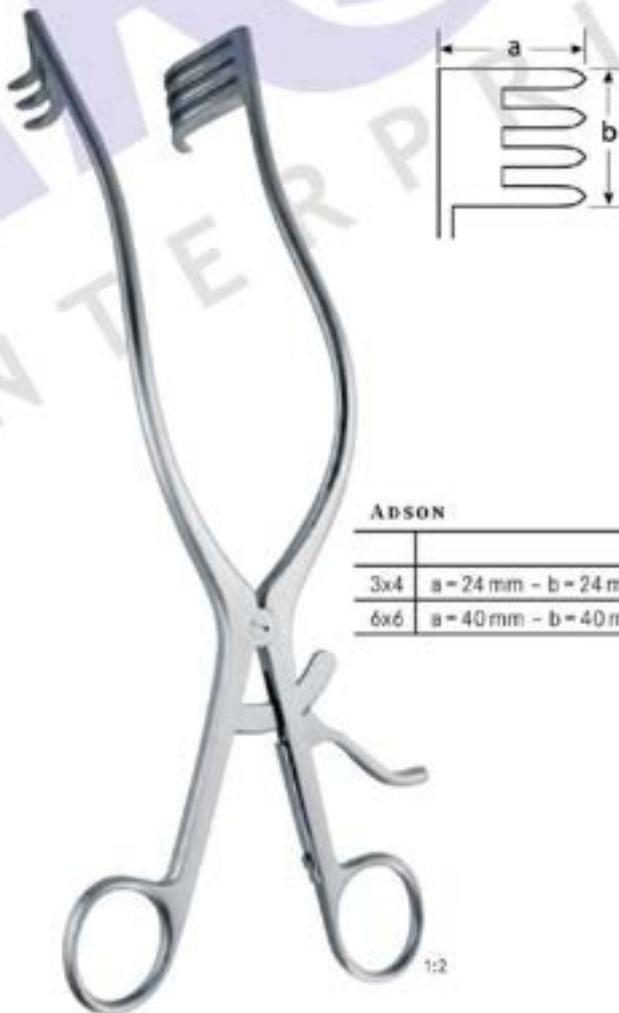
7x7
scharf
sharp
pointu
agudo
acuto

SELF RETAINING RETRACTORS



BECKMANN

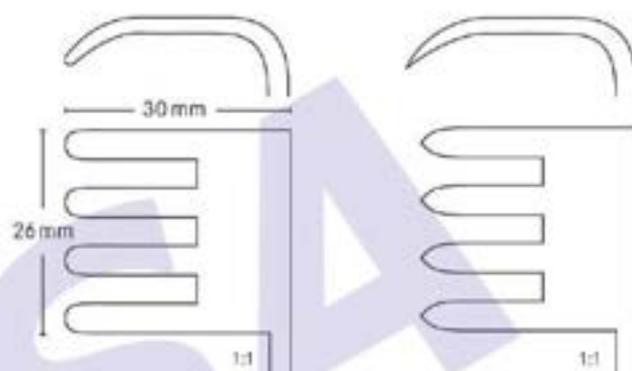
310 mm - 12 1/2"	08-1409	08-1410	08-1411
4x4	4x4	4x4	4x4
scharf	halbscharf	stumpf	
sharp	semi sharp	blunt	
pointu	semi pointu	mousse	
agudo	semi agudo	romo	
acuto	semi acuto	smusso	



ADSON

		265 mm - 10 1/2"	265 mm - 10 1/2"
3x4	a = 24 mm - b = 24 mm	08-1412	08-1414
6x6	a = 40 mm - b = 40 mm	08-1413	08-1415
		scharf	stumpf
		sharp	blunt
		pointu	mousse
		agudo	romo
		acuto	smusso

SELF RETAINING RETRACTORS



BECKMANN-ADSON

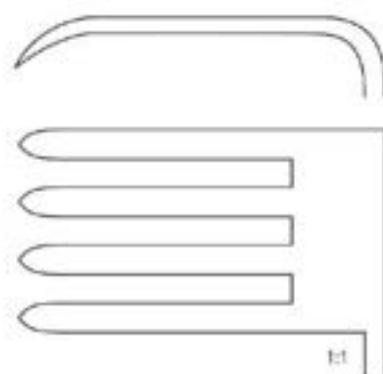
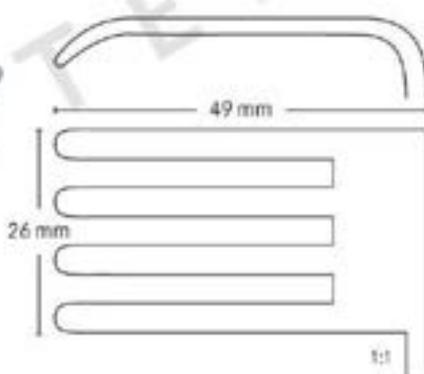
310 mm - 12 1/4"

08-1416

08-1417

stumpf
blunt
mousse
romo
smusso

scharf
sharp
pointu
agudo
acuto



08-1418

08-1419

stumpf, mit tiefen Blättern
blunt, with deep blades
mousse, avec lames profondes
romo, con palas profundas
smusso, con valve profunde

scharf, mit tiefen Blättern
sharp, with deep blades
pointu, avec lames profondes
agudo, con palas profundas
acuto, con valve profunde

SELF RETAINING RETRACTORS



GELPI-LOKITE

90 mm - 3 1/2"	08-1420	
110 mm - 4 1/2"	08-1421	
130 mm - 5"	08-1422	
180 mm - 7"	08-1423	08-1424

MARKHAM-MEYERDING

180 mm - 7"	08-1425	08-1426
-------------	----------------	----------------

- | | |
|---------|-----------|
| rechts | links |
| right | left |
| droit | gauche |
| derecha | izquierda |
| destra | sinistra |



RIGBY

180 mm - 7"
08-1427

SELF RETAINING RETRACTORS



HENLEY

165 mm - 6 1/2"	08-1428	08-1429
-----------------	---------	---------

3x4
scharf
sharp
pointu
agudo
acuto

3x4
stumpf
blunt
mousse
romo
smusso

komplett mit 3 Mittelvalven
complete with 3 center blades
complet avec 3 valves centrales
completa con 3 valvas centrales
completo con 3 valve centrali



19 mm x 16 mm	25 mm x 16 mm	32 mm x 16 mm
08-1430	08-1431	08-1432

Mittelvalven
Center blades
Valves centrales
Valvas centrales
Valve centrali

ABDOMINAL RETRACTORS



BABY-COLLIN

180 mm - 7*		
x = 80 mm		
08-1433	40 mm x 18 mm	40 mm x 27 mm

komplett mit 2 Paar Valven
 complete with 2 pairs of blades
 complet avec 2 paires de valves
 completo con 2 pares de valvas
 completo con 2 paia di valve



COLLIN

220 mm - 8 1/4*		
x = 100 mm		
08-1434		



COLLIN

225 mm - 8 3/4*		
x = 100 mm		
08-1435	a = 38 mm - b = 60 mm	a = 38 mm - b = 55 mm
08-1436	a = 38 mm - b = 80 mm	a = 50 mm - b = 75 mm
08-1437	a = 37 mm - b = 58 mm	a = 53 mm - b = 76 mm

komplett mit
 complete with
 complet avec
 completo con
 completo con

Seitenvalven
 Lateral blades
 Valves latérales
 Valvas laterales
 Valve laterali

Mittelvalve
 Center blade
 Valve centrale
 Valva centrale
 Valva centrale

ABDOMINAL RETRACTORS



COLLIN

260 mm - 10 1/2"*		
x = 150 mm		
08-1438	60 mm x 80 mm	60 mm x 75 mm

komplett mit	Seitenvalven	Mittelvalve
complete with	Lateral blades	Center blade
complet avec	Valves latérales	Valve centrale
completo con	Valvas laterales	Valva central
completo con	Valve laterali	Valva centrale



HOLZBACH

260 mm - 10 1/2"*		
x = 100 mm		
08-1439	62 mm x 80 mm	80 mm x 80 mm

komplett mit	Seitenvalven	Mittelvalve
complete with	Lateral blades	Center blade
complet avec	Valves latérales	Valve centrale
completo con	Valvas laterales	Valva centrale
completo con	Valve laterali	Valva centrale

ABDOMINAL RETRACTORS



GOSSET
125 mm - 5°
x = 100 mm
08-1440



GOSSET
185 mm - 7½°
x = 140 mm
08-1441

ABDOMINAL RETRACTORS



GOSSET

x = 160 mm		
08-1442	35 mm x 63 mm	65 mm x 70 mm

komplett mit
complete with
complet avec
completo con
completo con

Seitenvalven
Lateral blades
Valves latérales
Valvas laterales
Valve laterali

Mittelvalve
Center blade
Valve centrale
Valva centrale
Valva centrale

BALFOUR

x = 200 mm		
08-1443	35 mm x 100 mm	70 mm x 100 mm

komplett mit
complete with
complet avec
completo con
completo con

Seitenvalven
Lateral blades
Valves latérales
Valvas laterales
Valve laterali

Mittelvalve
Center blade
Valve centrale
Valva centrale
Valva centrale



BALFOUR-BABY

x = 90 mm		
08-1444	27 mm x 27 mm	20 mm x 24 mm

komplett mit
complete with
complet avec
completo con
completo con

Seitenvalven
Lateral blades
Valves latérales
Valvas laterales
Valve laterali

Mittelvalve
Center blade
Valve centrale
Valva centrale
Valva centrale

ABDOMINAL RETRACTORS



BALFOUR

x = 180 mm		
08-1445	35 mm x 70 mm	45 mm x 80 mm

komplett mit	Seitenvalven	Mittelvalve
complete with	Lateral blades	Center blade
complet avec	Valves latérales	Valve centrale
completo con	Valvas laterales	Valva centrale
completo con	Valve laterali	Valva centrale

x = 250 mm		
08-1446	35 mm x 100 mm	70 mm x 85 mm

komplett mit	Seitenvalven	Mittelvalve
complete with	Lateral blades	Center blade
complet avec	Valves latérales	Valve centrale
completo con	Valvas laterales	Valva centrale
completo con	Valve laterali	Valva centrale

45 mm x 80 mm	08-1447	
70 mm x 85 mm	08-1448	
80 mm x 90 mm	08-1449	

Mittelvalven, allein
Center blades, only
Valves centrales, seul
Valvas centrales, sola
Valve centrali, solo

BALFOUR US

x = 180 mm		
08-1450	60 mm	70 mm x 85 mm
	80 mm	

komplett mit 2 Paar Valven	Mittelvalve
complete with 2 pairs of blades	Center blade
complet avec 2 paires de valves	Valve centrale
completo con 2 pares de valvas	Valva centrale
completo con 2 paia di valve	Valva centrale

60 mm	08-1451	70 mm x 85 mm	08-1453
80 mm	08-1452		

Seitenvalven, Paar	Mittelvalven, allein
Lateral blades,	Center blades, only
complet avec,	Valves centrales, seul
completo con,	Valvas centrales, sola
completo con,	Valve centrali, solo

ABDOMINAL RETRACTORS



RICALD

08-1454	60 mm x 80 mm	55 mm x 70 mm
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**komplett mit
complete with
complet avec
completo con
completo con**

**Seitenvalven
Lateral blades
Valves latérales
Valvas laterales
Valve laterali**

**Mittelvalve
Center blade
Valve centrale
Valva centrale
Valva centrale**



O'SULLIVAN-O'CONNOR

08-1455	45 mm x 90 mm	70 mm x 100 mm
----------------	---------------	----------------

**komplett mit
complete with
complet avec
completo con
completo con**

**Seitenvalven
Lateral blades
Valves latérales
Valvas laterales
Valve laterali**

**Mittelvalven
Center blades
Valves centrales
Valvas centrales
Valve centrali**

08-1456	70 mm x 85 mm	80 mm x 90 mm
----------------	---------------	---------------

**komplett mit
complete with
complet avec
completo con
completo con**

**Seitenvalven
Lateral blades
Valves latérales
Valvas laterales
Valve laterali**

**Mittelvalve
Center blade
Valve centrale
Valva centrale
Valva centrale**

ABDOMINAL RETRACTORS



KIRSCHNER, OVAL

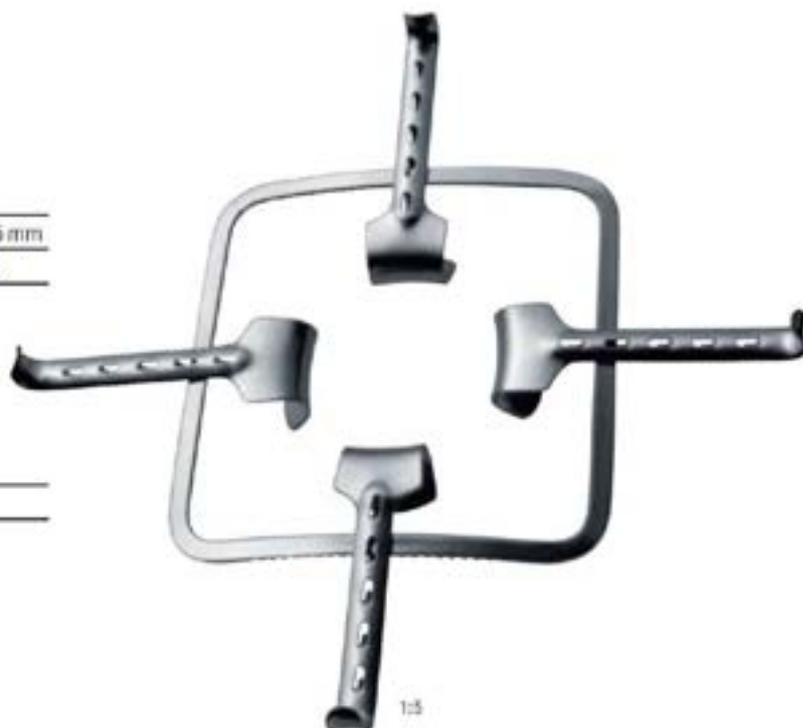
	240 mm x 300 mm	50 mm x 65 mm	80 mm x 90 mm	50 mm x 98 mm	35 mm x 105 mm
	08-1457	08-1458	08-1459	08-1460	08-1461
1 Rahmen	3 Valven	1 Valve	1 Valve	1 Valve	1 Valve
1 Frame	3 Blades	1 Blade	1 Blade	1 Blade	1 Blade
1 Cadre	3 Valves	1 Valve	1 Valve	1 Valve	1 Valve
1 Cuadro	3 Valvas	1 Valva	1 Valva	1 Valva	1 Valva
1 Quadro	3 Valve	1 Valva	1 Valva	1 Valva	1 Valva
08-1462	x	x	x	x	x

Satz
Set
Jeu
Juego
Serie

KIRSCHNER

	240 mm x 240 mm	40 mm x 55 mm	50 mm x 65 mm
	08-1463	08-1464	08-1465
1 Rahmen, fest	2 Valven	2 Valven	2 Valven
1 Frame, rigid	2 Blades	2 Blades	2 Blades
1 Cadre, rigide	2 Valves	2 Valves	2 Valves
1 Cuadro, rigido	2 Valvas	2 Valvas	2 Valvas
1 Quadro, rigido	2 Valve	2 Valve	2 Valve
08-1466	x	x	x

Satz
Set
Jeu
Juego
Serie



ABDOMINAL RETRACTORS



FRANZ

	300 mm x 300 mm	40 mm x 60 mm	45 mm x 80 mm	50 mm x 65 mm	60 mm x 85 mm
	08-1467	08-1468	08-1469	08-1470	08-1471
	1 Rahmen, zusammenlegbar 1 Frame, foldable 1 Cadre pliant 1 Cuadro plegable 1 Quadro piegabile	2 Valven 2 Blades 2 Valves 2 Valvas 2 Valve			
08-1472	x	x		x	
08-1473	x	x	x	x	x

Satz
Set
Jeu
Juego
Serie



! Rahmen zusammenlegbar
Frame foldable
Cadre pliant
Cuadro plegable
Quadro piegabile

ABDOMINAL RETRACTORS



	40 mm x 60 mm	45 mm x 80 mm	40 mm x 55 mm	50 mm x 65 mm
Kirschner			08-1476	08-1477
Franz	08-1474	08-1475		08-1478



	60 mm x 85 mm	80 mm x 90 mm	50 mm x 98 mm	35 mm x 105 mm
Kirschner	08-1479	08-1481	08-1482	08-1484
Franz	08-1480		08-1483	08-1485

RETRACTORS



ROCHARD

08-1487

Fixierahmen, einseitig

Fixing frame, one sided

Cadre de fixation, unilatéralement

Marco de fijación, unilateralmente

Cornice di fissiagio, unilateralmente

ROCHARD

08-1488

Fixierahmen, zweiseitig

Fixing frame, double sided

Cadre de fixation, deux côtes

Marco de fijación, bilateralmente

Cornice di fissiagio, bilateralmente

ROCHARD

08-1486

Fixierahmen, zweiseitig

Fixing frame, double sided

Cadre de fixation, deux côtes

Marco de fijación, bilateralmente

Cornice di fissiagio, bilateralmente



50 x 95 mm	08-1489
50 x 105 mm	08-1490
60 x 120 mm	08-1491
60 x 135 mm	08-1492
60 x 155 mm	08-1493

RETRACTORS



O'SULLIVAN-O'CONNOR

	Fig. 1	Fig. 2	Fig. 3
	45 mm x 17 mm	90 mm x 37 mm	90 mm x 45 mm
	08-1495	08-1496	08-1497
08-1494	x	x	x

komplett
complete
complet
completo
completo



FRIEDMANN
100 mm - 4°
08-1498

ABDOMINAL SPATULAS



	30 mm	40 mm	50 mm
330 mm - 13°	08-1499	08-1500	08-1501

biegsam
malleable
malléable
maleabile
flessibile



MARTIN

200 mm - 8°	200 mm - 8°	250 mm - 9½°
12 mm	17 mm	25 mm
08-1502	08-1503	08-1504

weich
soft
souple
flexible
morbido

	6,5 mm	9,5 mm	13 mm	16 mm	19 mm	25 mm
200 mm - 8°	08-1505	08-1506	08-1507	08-1508	08-1509	08-1510

biegsam, sehr weich
malleable, very soft
malléable, très souple
maleabile, muy flexible
flessibile, molto morbido

ABDOMINAL SPATULAS



HABERER

200 mm - 8°	280 mm - 11°	300 mm - 12°
17 mm / 25 mm	25 mm / 30 mm	37 mm / 45 mm
08-1511	08-1512	08-1513

biegsam
malleable
malleable
malleable
flessibile



REVERDIN

280 mm - 11°
46 mm x 60 mm
08-1514

1:2

LAMINECTOMY RETRACTORS



CLOWARD

160 mm - 6 1/4"

08-1515

komplett mit je 2 Valven Fig. 1 - Fig. 5
complete with 2 blades ea. Fig. 1 - Fig. 5
complet avec 2 valves chacune Fig. 1 - Fig. 5
completo con 2 valvas de cada Fig. 1 - Fig. 5
completo con 2 valve Fig. 1 - Fig. 5

08-1517

Sperrer ohne Valven
Retractor without blades
Ecarteur sans valves
Separador sin valvas
Divercatore senza valve



Fig. 1	x = 60 mm	08-1519
Fig. 2	x = 55 mm	08-1520
Fig. 3	x = 50 mm	08-1521
Fig. 4	x = 45 mm	08-1522
Fig. 5	x = 40 mm	08-1523

stumpf
blunt
mousse
roma
smussa



250 mm - 9 7/8"

08-1516

komplett mit je 2 Valven Fig. 1 - Fig. 5
complete with 2 blades ea. Fig. 1 - Fig. 5
complet avec 2 valves chacune Fig. 1 - Fig. 5
completo con 2 valvas de cada Fig. 1 - Fig. 5
completo con 2 valve Fig. 1 - Fig. 5

08-1518

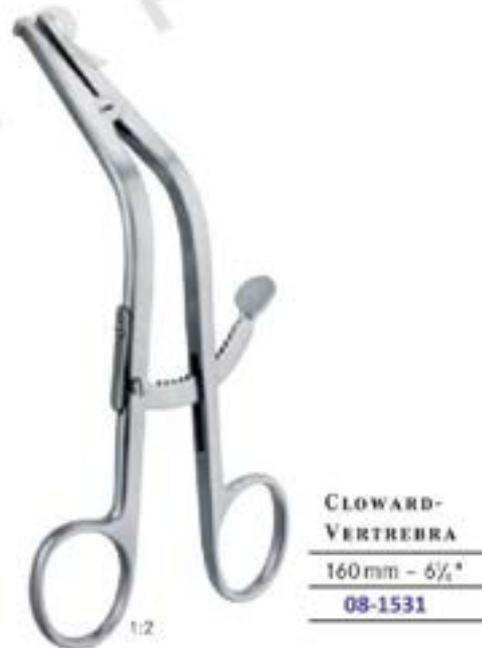
Sperrer ohne Valven
Retractor without blades
Ecarteur sans valves
Separador sin valvas
Divercatore senza valve



Fig. 1	x = 60 mm	08-1524
Fig. 2	x = 55 mm	08-1525
Fig. 3	x = 50 mm	08-1526
Fig. 4	x = 45 mm	08-1527
Fig. 5	x = 40 mm	08-1528

gezahnt
toothed
dentelée
dentada
dentata

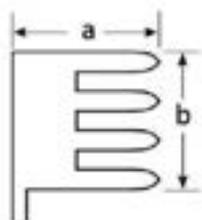
LAMINECTOMY RETRACTORS



LAMINECTOMY RETRACTORS



LAMINECTOMY RETRACTORS



SCOVILLE

50 mm - 2°	08-1534	08-1536
70 mm - 2½°	08-1535	08-1537

TAYLOR

a = 48 mm - b = 50 mm - 2° x 2°	08-1538
a = 63 mm - b = 50 mm - 2½° x 2°	08-1539
a = 64 mm - b = 64 mm - 3¼° x 2¼°	08-1540

stumpf spitz
blunt sharp
mousse pointu
roma aguda
smussa ecuta



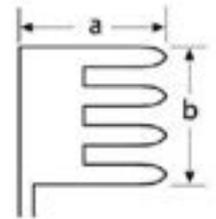
SCOVILLE

a = 40 mm - b = 37 mm - 1½° x 1½°	08-1541
a = 65 mm - b = 44 mm - 2½° x 1½°	08-1542

TAYLOR

a = 100 mm - b = 42 mm - 4° x 1½°	08-1543
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LAMINECTOMY RETRACTORS



MEYERDING

a = 57 mm - b = 25 mm - 2 1/4" x 1"	08-1544
a = 76 mm - b = 25 mm - 3" x 1"	08-1545
a = 88 mm - b = 51 mm - 3 1/2" x 2"	08-1546



SCOVILLE

a = 57 mm - b = 25 mm - 2 1/4" x 1"	08-1547
a = 57 mm - b = 38 mm - 2 1/4" x 1 1/2"	08-1548
a = 64 mm - b = 50 mm - 2 1/2" x 2"	08-1549
a = 75 mm - b = 25 mm - 3" x 1"	08-1550



EPSTEIN

a = 56 mm - b = 25 mm - 2 1/4" x 1"	08-1551
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HIBBS

a = 50 mm - b = 20 mm - 2" x 1/2"	08-1552
a = 50 mm - b = 25 mm - 2" x 1"	08-1553
a = 50 mm - b = 50 mm - 2" x 2"	08-1554
a = 63 mm - b = 25 mm - 2 1/2" x 1"	08-1555
a = 63 mm - b = 37 mm - 2 1/2" x 1 1/2"	08-1556
a = 76 mm - b = 25 mm - 3" x 1"	08-1557
a = 76 mm - b = 38 mm - 3" x 1 1/2"	08-1558
a = 76 mm - b = 50 mm - 3" x 2"	08-1559
a = 76 mm - b = 63 mm - 3" x 2 1/2"	08-1560
a = 90 mm - b = 25 mm - 3 1/2" x 1"	08-1561
a = 90 mm - b = 37 mm - 3 1/2" x 1 1/2"	08-1562
a = 102 mm - b = 25 mm - 4" x 1"	08-1563
a = 102 mm - b = 50 mm - 4" x 2"	08-1564

LAMINECTOMY RETRACTORS



CASPAR

08-1565

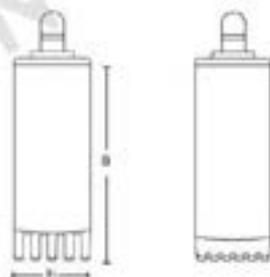
08-1566

complete with 5 medial blades
and with 5 lateral blades
complet avec 5 valves médianes
et avec 5 valves latérales
completo con 5 valvas mediales
y con 5 valvas laterales
completo con 5 valve mediali
e con 5 valve laterali

complete with 5 blades
complet avec 5 valves
completo con 5 valvas
completo con 5 valve

08-1567

Sperrer ohne Valven
Retractor without blades
Ecarteur sans valves
Separador sin valves
Divaricatore senza valve



CASPAR

	medial	lateral
a = 40 mm - b = 23 mm	08-1569	08-1574
a = 45 mm - b = 23 mm	08-1570	08-1575
a = 50 mm - b = 23 mm	08-1571	08-1576
a = 55 mm - b = 23 mm	08-1572	08-1577
a = 60 mm - b = 23 mm	08-1573	08-1578

08-1568

Sperrer ohne Valven
Retractor without blades
Ecarteur sans valves
Separador sin valves
Divaricatore senza valve



CASPAR

a = 45 mm - b = 23 mm	08-1579
a = 50 mm - b = 23 mm	08-1580
a = 55 mm - b = 23 mm	08-1581
a = 60 mm - b = 23 mm	08-1582
a = 65 mm - b = 23 mm	08-1583

stumpf
blunt
mousse
roma
smussa

LAMINECTOMY RETRACTORS



CASPAR

08-1584

komplett mit 6 Valven
complete with 6 blades
complet avec 6 valves
completo con 6 valvas
completo con 6 valve



08-1585

komplett mit 5 Valven
complete with 5 blades
complet avec 5 valves
completo con 5 valvas
completo con 5 valve

08-1586

Sperrer ohne Valven
Retractor without blades
Ecarteur sans valves
Separador sin valvas
Divaricatore senza valve

08-1587

Sperrer allein, mit Schlüssel
Retractor only, with key
Ecarteur seul avec clé
Separador solo con llave
Divaricatore solo con chiave

08-1588

Schlüssel
Key
Clé
Llave
Chiave



LAMINECTOMY RETRACTORS



CASPAR

38 mm	58 mm
08-1589	08-1590



a = 35 mm - b = 22 mm	08-1591
a = 40 mm - b = 22 mm	08-1592
a = 45 mm - b = 22 mm	08-1593
a = 50 mm - b = 22 mm	08-1594
a = 55 mm - b = 22 mm	08-1595
a = 60 mm - b = 22 mm	08-1596
a = 65 mm - b = 22 mm	08-1597
a = 70 mm - b = 22 mm	08-1598



a = 35 mm - b = 37 mm	08-1599
a = 40 mm - b = 37 mm	08-1600
a = 45 mm - b = 37 mm	08-1601
a = 50 mm - b = 37 mm	08-1602
a = 55 mm - b = 37 mm	08-1603
a = 60 mm - b = 37 mm	08-1604
a = 65 mm - b = 37 mm	08-1605
a = 70 mm - b = 37 mm	08-1606



a = 35 mm - b = 52 mm	08-1607
a = 40 mm - b = 52 mm	08-1608
a = 45 mm - b = 52 mm	08-1609
a = 50 mm - b = 52 mm	08-1610
a = 55 mm - b = 52 mm	08-1611
a = 60 mm - b = 52 mm	08-1612
a = 65 mm - b = 52 mm	08-1613
a = 70 mm - b = 52 mm	08-1614

RETRACTORS FOR MICRO-LUMBAR DISCECTOMY



CASPAR	
a = 40 mm	08-1615
a = 45 mm	08-1616
a = 50 mm	08-1617
a = 55 mm	08-1618
a = 60 mm	08-1619
a = 65 mm	08-1620
a = 75 mm	08-1621
a = 85 mm	08-1622



CASPAR	
08-1623	



CASPAR		
a = 35 mm	08-1624	
a = 40 mm	08-1625	08-1633
a = 45 mm	08-1626	08-1634
a = 50 mm	08-1627	08-1635
a = 55 mm	08-1628	08-1636
a = 60 mm	08-1629	08-1637
a = 65 mm	08-1630	08-1638
a = 70 mm		08-1639
a = 75 mm	08-1631	
a = 85 mm	08-1632	

SPECULUM FOR HYPOPHYSECTOMY

! Mit schwarzer Oberfläche
With black finish
Avec finition noir
Con color negro
Con superficie nera



x = 70 mm	08-1640
x = 90 mm	08-1641
x = 110 mm	08-1642

Spekulum für trans-sphenoidale Hypophysektomie

Speculum for trans-sphenoidal hypophysectomy

Spekulum pour hypophysectomie trans-sphenoidale

Especulo para hipofisectomia trans-sfenoidal

Speculo per ipofisectomia trans-sfenoidale

09

ARSA
ENTERPRISES

NAHT, SUTURE



NEEDLE HOLDERS



CRILE-MURRAY

150 mm - 6°

09-1001



CRILE-WOOD

150 mm - 6°

09-1002

160 mm - 7°

09-1003



HEGAR-BAUMGARTNER

140 mm - 5½°

09-1004



BROWN

130 mm - 5°

09-1005

180 mm - 7°

09-1006



COLLIER

125 mm - 5°

09-1007

kräftiges Modell, Maul diagonal gerieft
heavy pattern, diagonally serrated jaw
 modèle fort, mors strié diagonalement
modelo fuerte, boca estriada diagonalmente
 modello forte, morso con strie diagonali



DERF

125 mm - 5°

09-1008



120 mm - 4½°

09-1009

NEEDLE HOLDERS




1:1


1:1


1:1


1:1


1:1


1:1


1:1

MAYO-HEGAR

140 mm - 5 1/2"*	160 mm - 6 1/4"*	180 mm - 7"*	200 mm - 8"*	240 mm - 9 1/2"*	260 mm - 10 1/4"*	300 mm - 12"*
09-1010	09-1011	09-1012	09-1013	09-1014	09-1015	09-1016


1:1


1:1


1:1


1:1


1:1


1:1

140 mm - 5 1/2"*	160 mm - 6 1/4"*	180 mm - 7"*	200 mm - 8"*	240 mm - 9 1/2"*	260 mm - 10 1/4"*
09-1017	09-1018	09-1019	09-1020	09-1021	09-1022

schlankes Modell
delicate pattern
modèle fin
modelo delicado
modello delicato




1:1

HEGAR

205 mm - 8"*

09-1023

kräftiges Modell
heavy pattern
modèle fort
modelo fuerte
modello forte

NEEDLE HOLDERS



MASSON

270 mm - 10 $\frac{1}{4}$ "*

09-1024



FINOCHIETTO

270 mm - 10 $\frac{1}{4}$ "*

09-1025 *



STRATTE

230 mm - 9"

09-1026

NEEDLE HOLDERS



GILLIES

145 mm - 5 7/8"*	09-1027
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GILLIES

160 mm - 6 1/4"*	09-1028
------------------	----------------



OLSEN-HEGAR

140 mm - 5 1/2"*	09-1029
170 mm - 6 3/4"*	09-1030
190 mm - 7 1/2"*	09-1031

NEEDLE HOLDERS

CASTROVIEJO- JACOBSON



140 mm - 5 1/2"		09-1035		09-1042
150 mm - 6"	09-1032	09-1036	09-1039	09-1043
180 mm - 7"	09-1033	09-1037	09-1040	09-1044
210 mm - 8 1/4"	09-1034	09-1038	09-1041	09-1045

glattes Maul
smooth jaws
mors lisse
boca lisa
morso liscio

gerade, ohne Sperre
straight, without ratchet
droit, sans crémaillère
recta, sin cremallera
retto, senza cremagliera

gerade, mit Sperre
straight, with ratchet
droit, avec crémaillère
recta, con cremallera
retto, con cremagliera

gebogen, ohne Sperre
curved, without ratchet
courbe, sans crémaillère
curva, sin cremallera
curvo, senza cremagliera

gebogen, mit Sperre
curved, with ratchet
courbe, avec crémaillère
curva, con cremallera
curvo, con cremagliera



TOENNIS

180 mm - 7"
09-1046



LICHTENBERG

170 mm - 6 3/4"	09-1047
200 mm - 8"	09-1048

NEEDLE HOLDERS



BOYNTON
120 mm - 4 7/8"
09-1049



KALT
140 mm - 5 1/2"
09-1050



ARRUGA
160 mm - 6 1/4"



09-1051	09-1052
----------------	----------------

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo

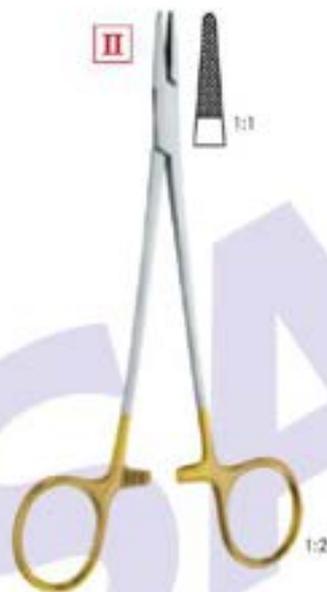
NEEDLE HOLDERS



HEGAR-BAUMGARTNER

140 mm - 5 1/2"

09-1053



BABY-CRILE-WOOD

150 mm - 6"

09-1054



II

CRILE-WOOD



	150 mm - 6"	180 mm - 7"	200 mm - 8"
	09-1055	09-1057	09-1059
	09-1056	09-1058	-

Linkshänder
left-hand
gaucher
zurdo
mancino



	230 mm - 9"	260 mm - 10 1/2"
	09-1060	09-1062
	09-1061	-

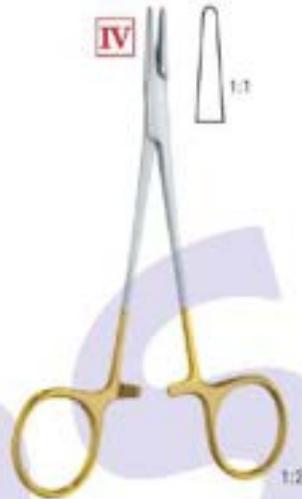
NEEDLE HOLDERS



DERF (WRIGHT)

120 mm - 4 1/2"*

09-1063



WEBSTER

130 mm - 5"

09-1064

glatt
smooth
lisse
lisa
liscio



HALSEY

130 mm - 5"

09-1065

glatt
smooth
lisse
lisa
liscio



09-1066

gerieft
serrated
strié
estriada
zigrinato



KILNER

135 mm - 5 1/4"*

09-1067

NEEDLE HOLDERS



MAYO-HEGAR

140 mm - 5 1/2°	160 mm - 6 1/2°	180 mm - 7°	200 mm - 8°	240 mm - 9 1/2°	260 mm - 10 1/2°	300 mm - 12°
09-1068	09-1069	09-1070	09-1071	09-1072	09-1073	09-1074
-	09-1075	-	09-1076	09-1077	09-1078	-

Linkshänder
left-handier

gaucher
zurdo
mancino



NEIVERT (MASING)

130 mm - 5°
09-1079

ein Ring abgewinkelt
one ring angled
une bague coudée
un anillo acodado
un anello angolato



CONVERSE

130 mm - 5°
09-1080



MATHIEU-OLSEN

140 mm - 5 1/2°	09-1081
170 mm - 6 1/2°	09-1082
200 mm - 8°	09-1083

NEEDLE HOLDERS



I
HEGAR
205 mm - 8*
09-1084

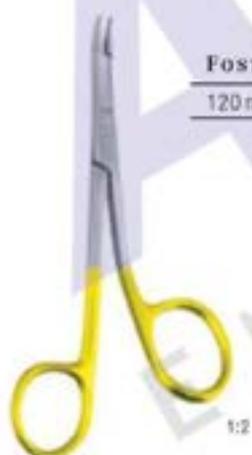
kräftiges Modell
heavy pattern
modèle fort
modelo fuerte
modello forte



II
GILLIES
145 mm - 5 1/2*
09-1085

GILLIES
160 mm - 6 1/4*
09-1086
160 mm - 6 1/4*
09-1087

Linkshänder
left-hand
gaucher
zurdo
mancino



III
FOSTER-GILLIES
120 mm - 4 1/2*

III
09-1088

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retto, zigrinato

IV
09-1089

gerade, glatt
straight, smooth
droit, lisse
recta, lisa
retto, liscio

III
09-1090

gebogen, gerieft
curved, serrated
courbe, strié
curva, estriada
curvo, zigrinato

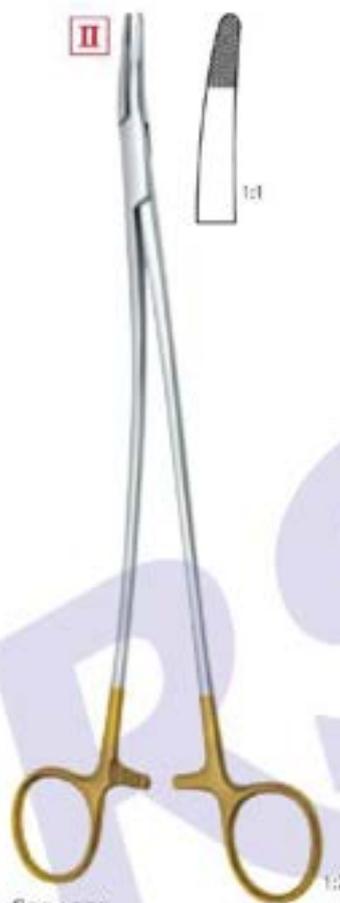
IV
09-1091

gebogen, glatt
curved, smooth
courbe, lisse
curva, lisa
curvo, liscio



II
OLSEN-HEGAR
140 mm - 5 1/2*
09-1092
170 mm - 6 1/2*
09-1093
190 mm - 7 1/2*
09-1094

NEEDLE HOLDERS



STRATE
230 mm - 9"
09-1095



HEANEY

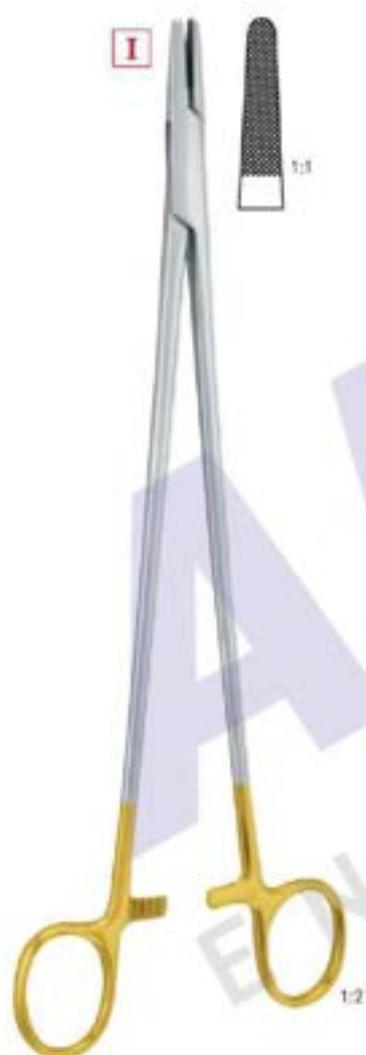
160 mm - 6 1/2"	09-1096
180 mm - 7"	09-1097
200 mm - 8"	09-1098



BOZEMANN (WERTHEIM)

			
200 mm - 8"	240 mm - 9 1/2"	260 mm - 10 1/4"	300 mm - 12"
09-1099	09-1100	09-1101	09-1102

NEEDLE HOLDERS



MASSON

270 mm - 10 3/4"

09-1103



FINOCHIETTO

270 mm - 10 3/4"

09-1104



WANGENSTEEN

270 mm - 10 3/4"

09-1105

NEEDLE HOLDERS



MATHIEU



140 mm - 5½"	170 mm - 6¾"	200 mm - 8"	240 mm - 9½"
09-1106	09-1107	09-1108	09-1109



170 mm - 6¾"	200 mm - 8"
09-1110	09-1111

kräftiges Modell
heavy pattern
modèle fort
modelo fuerte
modello forte



140 mm - 5½"	170 mm - 6¾"	200 mm - 8"	240 mm - 9½"
09-1112	09-1113	09-1114	09-1115

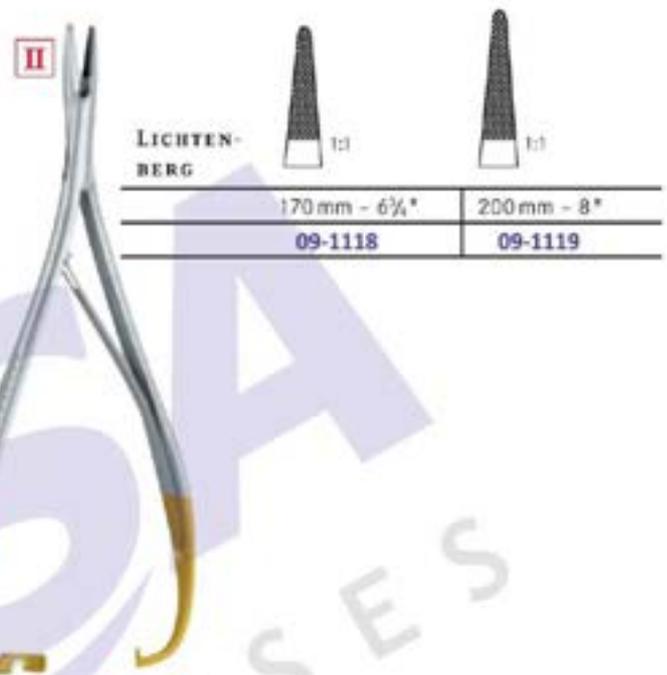
schlankes Modell
delicate pattern
modèle fin
modelo delicado
modello delicato

NEEDLE HOLDERS



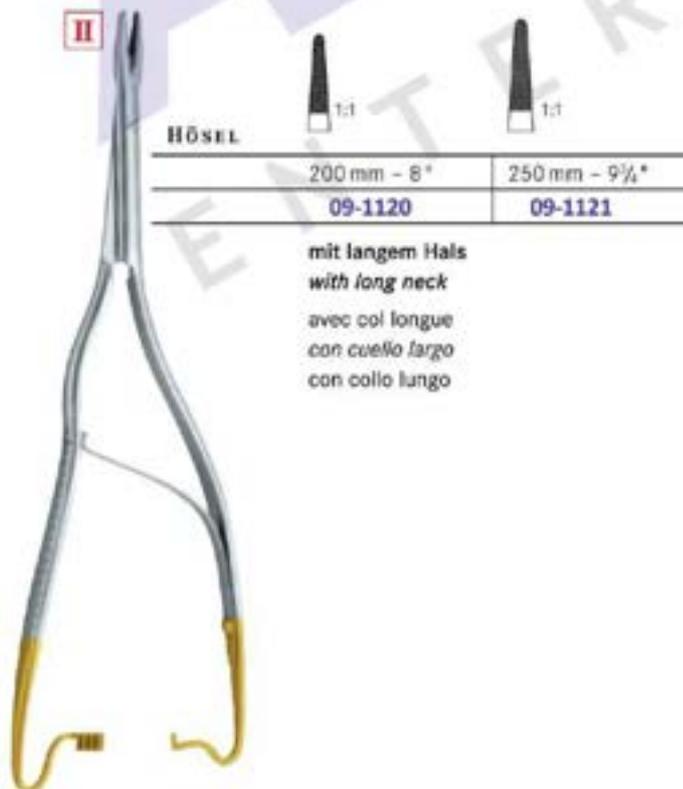
MATHIEU

 1:1	 1:1
170 mm - 6 3/4°	200 mm - 8°
09-1116	09-1117



LICHTENBERG

 1:1	 1:1
170 mm - 6 3/4°	200 mm - 8°
09-1118	09-1119



HÖSEL

 1:1	 1:1
200 mm - 8°	250 mm - 9 1/4°
09-1120	09-1121

mit langem Hals
with long neck
avec col longue
con cuello largo
con collo lungo

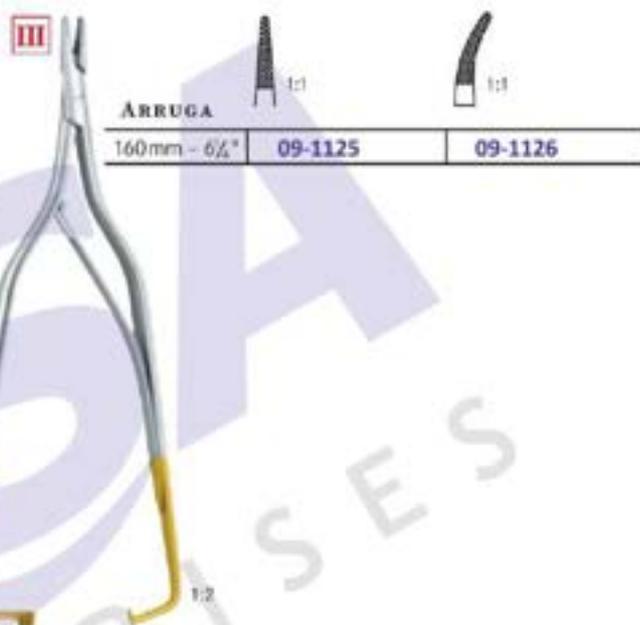
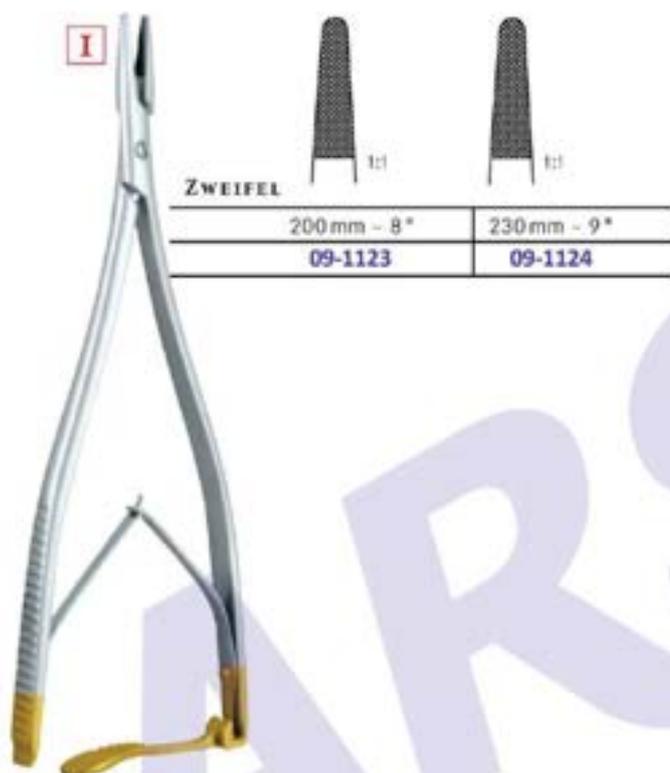


II

 1:1
205 mm - 8°
09-1122

mit langem Hals
with long neck
avec col longue
con cuello largo
con collo lungo

NEEDLE HOLDERS



NEEDLE HOLDERS

II

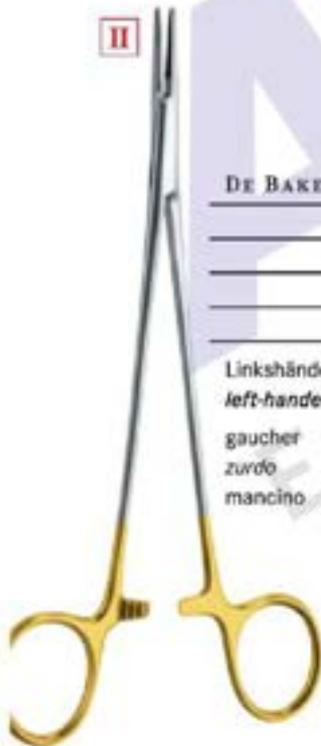


SAROT



180 mm - 7°	200 mm - 8°	260 mm - 10 1/4°
09-1131	09-1132	09-1133

II



DE BAKEY



150 mm - 6°	180 mm - 7°	200 mm - 8°	230 mm - 9°	260 mm - 10 1/4°
09-1134	09-1135	09-1136	09-1137	09-1138
09-1139		-	09-1140	09-1141

Linkshänder
left-hander
gaucher
zurdo
mancino

I



TEKNO-TWIST



150 mm - 6°	09-1142	09-1145
180 mm - 7°	09-1143	09-1146
200 mm - 8°	09-1144	09-1147

Drahtzange
Wire forceps
Pince pour fils d'acier
Pinza para hilos
Pinze per fili d'acciaio

NEEDLE HOLDERS

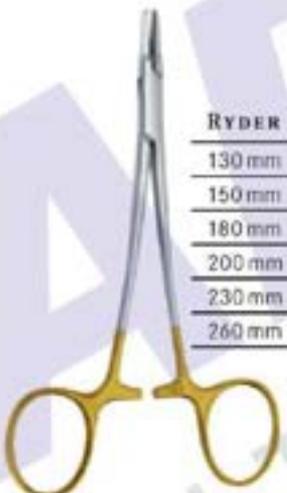
VASCULAR     

140 mm - 5 1/2"	180 mm - 7"	200 mm - 8"	230 mm - 9"
09-1148	09-1149	09-1150	09-1151



RYDER   

130 mm - 5"	09-1152	MINI-RYDER	09-1158
150 mm - 6"	09-1153		09-1159
180 mm - 7"	09-1154		09-1160
200 mm - 8"	09-1155		09-1161
230 mm - 9"	09-1156		09-1162
260 mm - 10 1/2"	09-1157		09-1163



DIETRICH  

160 mm - 6 1/2"	09-1164
180 mm - 7"	09-1165
200 mm - 8"	09-1166
230 mm - 9"	09-1167
250 mm - 9 3/4"	09-1168



NEEDLE HOLDERS



130 mm - 5°	150 mm - 5 1/2°	170 mm - 6 1/4°
09-1169	09-1170	09-1171

mit Spezialbeschichtung im Maul
with special coated jaw
mors avec couche special
boca con capa especial
morso con spalmatura speciale



180 mm - 7°	200 mm - 8°	230 mm - 9°
09-1173	09-1174	09-1175

mit Spezialbeschichtung im Maul
with special coated jaw
mors avec couche special
boca con capa especial
morso con spalmatura speciale



DE BAKEY
230 mm - 9°
09-1172



RYDER	
130 mm - 5°	09-1176
150 mm - 6°	09-1177
180 mm - 7°	09-1178
200 mm - 8°	09-1179
230 mm - 9°	09-1180

mit Spezialbeschichtung im Maul
with special coated jaw
mors avec couche special
boca con capa especial
morso con spalmatura speciale



DE BAKEY
180 mm - 7°
09-1181

NEEDLE HOLDERS

IV



CASTROVIEJO-JACOBSON



140 mm - 5 1/2"		09-1185		09-1192
150 mm - 6"	09-1182	09-1186	09-1189	09-1193
180 mm - 7"	09-1183	09-1187	09-1190	09-1194
210 mm - 8 1/4"	09-1184	09-1188	09-1191	09-1195

glattes Maul
smooth jaws
mors lisse
boca lisa
morso liscio

gerade, ohne Sperre
straight, without ratchet
droit, sans crémaillère
recta, sin cremallera
retto, senza cremagliera

gerade, mit Sperre
straight, with ratchet
droit, avec crémaillère
recta, con cremallera
retto, con cremagliera

gebogen, ohne Sperre
curved, without ratchet
courbe, sans crémaillère
curva, sin cremallera
curvo, senza cremagliera

gebogen, mit Sperre
curved, with ratchet
courbe, avec crémaillère
curva, con cremallera
curvo, con cremagliera

III



VASCULAR



180 mm - 7"	09-1196	09-1197	09-1198	09-1199
-------------	---------	---------	---------	---------

gerade, ohne Sperre
straight, without ratchet
droit, sans crémaillère
recta, sin cremallera
retto, senza cremagliera

gerade, mit Sperre
straight, with ratchet
droit, avec crémaillère
recta, con cremallera
retto, con cremagliera

gebogen, ohne Sperre
curved, without ratchet
courbe, sans crémaillère
curva, sin cremallera
curvo, senza cremagliera

gebogen, mit Sperre
curved, with ratchet
courbe, avec crémaillère
curva, con cremallera
curvo, con cremagliera

NEEDLE HOLDERS



CASTROVIEJO

130 mm - 5°



09-1200



09-1201

gerade, gerieftes Maul
straight, serrated jaws
droit, mors strié
recta, boca estriada
retto, morso zigrinato

gebogen, gerieftes Maul
curved, serrated jaws
courbe, mors strié
curva, boca estriada
curvo, morso zigrinato



CASTROVIEJO

130 mm - 5°

09-1202

glattes Maul
smooth jaws
mors strié
boca lisa
morso liscio



1:2



BARRAQUER

130 mm - 5°



09-1203



09-1204

gebogen, mit Sperre
curved, with ratchet
courbe, avec crémaillère
curva, con cremaliera
curvo, con cremagliera

gebogen, ohne Sperre
curved, without ratchet
courbe, sans crémaillère
curva, sin cremallera
curvo, senza cremagliera

1:2

NEEDLE HOLDERS



BOYNTON

120 mm - 4 3/8"

09-1205



KALT

140 mm - 5 1/2"

09-1206

SUTURE INSTRUMENTS



REVERDIN

	Fig. 1	Fig. 2	Fig. 3	Fig. 4
150 mm - 6°	09-1207	09-1210	09-1213	09-1216
195 mm - 7½°	09-1208	09-1211	09-1214	09-1217
225 mm - 8½°	09-1209	09-1212	09-1215	09-1218



YOUNG

250 mm - 9½°
09-1219

Komplett mit einem Nadelaufsatz
 Complete with one needle
 Complet avec une aiguille
 Completo con una aguja
 Completo con un ago



09-1220	09-1221	09-1222
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Ersatznadel
 Spare needle
 Aiguille de rechange
 Aguja de cambio
 Ago di ricambio

LIGATURE NEEDLES



DESCHAMPS

200mm - 8"	09-1223	09-1226	09-1229	09-1232
210mm - 8 1/2"	09-1224	09-1227	09-1230	09-1233
270mm - 10 3/4"	09-1225	09-1228	09-1231	09-1234

scharf
sharp
pointue
aguda
acuta

für die rechte Hand
for right hand
pour la main droite
para la mano derecha
per la mano destra

scharf
sharp
pointue
aguda
acuta

für die linke Hand
for left hand
pour la main gauche
para la mano izquierda
per la mano sinistra

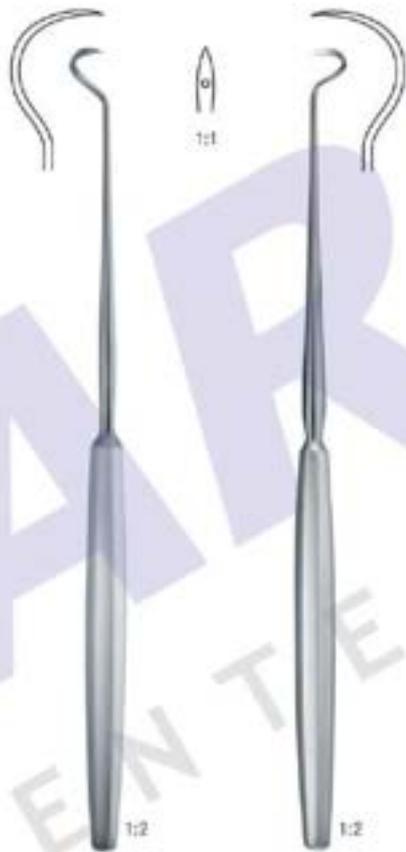
stumpf
blunt
mousse
roma
smussa

für die rechte Hand
for right hand
pour la main droite
para la mano derecha
per la mano destra

stumpf
blunt
mousse
roma
smussa

für die linke Hand
for left hand
pour la main gauche
para la mano izquierda
per la mano sinistra

SUTURE INSTRUMENTS



HURD

210 mm - 8 1/4"	09-1235	09-1236
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für die rechte Hand
for right hand

pour la main droite
para la mano derecha
per la mano destra

für die linke Hand
for left hand

pour la main gauche
para la mano izquierda
per la mano sinistra



DUPUY-WEISS

220 mm - 8 1/4"	09-1237	09-1238
-----------------	----------------	----------------

für die rechte Hand
for right hand

pour la main droite
para la mano derecha
per la mano destra

für die linke Hand
for left hand

pour la main gauche
para la mano izquierda
per la mano sinistra

LIGATURE CONDUCTORS-SUTURE INSTRUMENTS

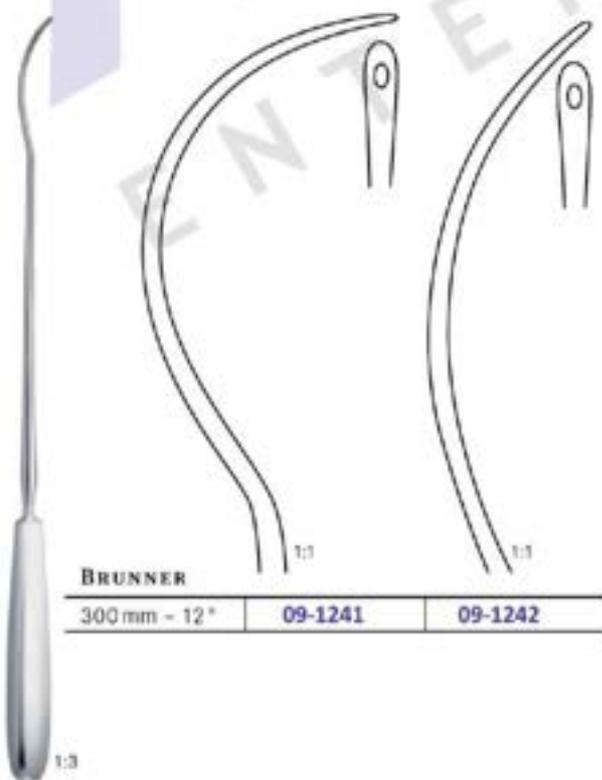


280 mm - 11°
4 mm
09-1239



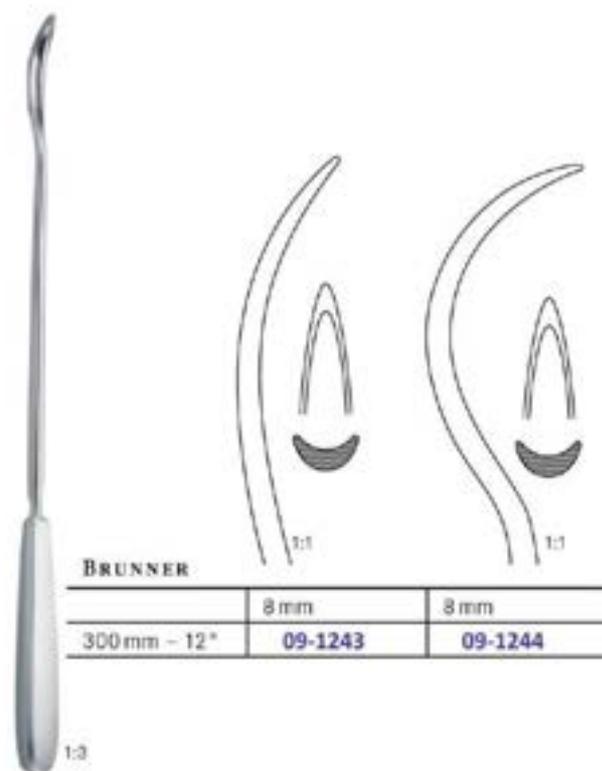
KIRSCHNER

255 mm - 10°
5 mm
09-1240



BRUNNER

300 mm - 12°	09-1241	09-1242
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BRUNNER

300 mm - 12°	8 mm	8 mm
	09-1243	09-1244

LIGATURE CONDUCTORS-SUTURE INSTRUMENTS



PAYR		
	5 mm	5 mm
220 mm - 8 1/4"	09-1245	09-1246



MOD. WIEN
235 mm - 9 1/4"
09-1247

Fadenfänger
Ligature catcher
Porte-ligature
Captador de hilos
Portalegatura



BOZEMANN
210 mm - 8 1/4"
09-1248

Schlingendreher
Knot tier
Tords-fil
Tuerce-lazos
Torcifilo



230 mm - 9"
09-1249

Fadengabel
Ligature adjuster
Pousse-fil
Horquilla de hilos
Forchetta da sutura

10

ARSA
ENTERPRISES

VASCULAR SURGERY



VEIN STRIPPER



	 1:1	 1:1	 1:1	 1:1	 1:1
	2 mm Ø	3 mm Ø	4 mm Ø	5 mm Ø	6 mm Ø
500 mm - 20"	10-1001	10-1002	10-1003	10-1004	10-1005

	 1:1	 1:1	 1:1	 1:1
	8.5 mm Ø	10 mm Ø	12 mm Ø	14 mm Ø
500 mm - 20"	10-1006	10-1007	10-1008	10-1009



120 mm - 4 3/4"	10-1010
-----------------	----------------

Griff für
Handle for
Manche pour
Mango para
Manico per

1:2



1:2

RUMEL-BELMONT

	3.2 mm Ø	6.4 mm Ø
325 mm - 12 3/4"	10-1011	10-1012

Tourniquet	für Kinder	für Erwachsene
Tourniquet	for children	for adults
Tourniquet	pour enfants	pour adultes
Tourniquete	para niños	para adultos
Tourniquet.	per bambini	per adulti

VARICOSE VEIN PROBE SET



NABATOFF

135 mm x 100 mm x 25 mm

10-1013

komplett
complete
complet
completo
completo



10-1014	10-1015	10-1016	10-1017
Metalletul <i>Metal case</i>	Griff <i>Handle</i>	Zugseil 900 mm <i>Cable 900 mm</i>	Sondenspitze, Kunststoff <i>Probe tip in plastic</i>
Boîte métal <i>Estuche</i>	Manche <i>Mango</i>	Corde à traction 900 mm <i>Cordón 900 mm</i>	Sonde en plastique <i>Extremidad de sonda, plastica</i>
Astuccio	Manico	Fune di trazione 900 mm	Punta di plastica



10-1018	10-1019	10-1020	10-1021	10-1022
Sonde <i>Probe</i>	Olive <i>Olive</i>			
Sonde <i>Sonda</i>	Olive <i>Oliva</i>			
Sonda	Oliva			

APPROXIMATORS, BIEMER CLIPS



1:3

BIEMER

10-1023	10-1024
Anlegepinzette mit Schloss <i>applying forceps with lock</i> pince à poser avec verrou <i>aplicadora con cierre</i> pinza posa clips con cremagliera	Anlegepinzette ohne Schloss <i>applying forceps without lock</i> pince à poser sans verrou <i>aplicadora sin cierre</i> pinza posa clips senza cremagliera



x	y	gms
Maullänge <i>jaw length</i> longueur du mors <i>longitud de la boca</i> lunghezza del morso	max. Maulöffnung <i>max. jaw opening</i> ouverture max. du mors <i>apertura max. de la boca</i> apertura mass.	Schließkraft <i>closing pressure</i> force de fermeture <i>fuerza de cierre</i> pressione



10-1025	10-1026	10-1027	10-1028
x = 6 mm y = 4 mm gms = 30-40	x = 9 mm y = 5 mm gms = 30-40	x = 9 mm y = 5 mm gms = 20-25	x = 4.5 mm y = 3.0 mm gms = 30-40



10-1029	10-1030	10-1031	10-1032
x = 9 mm y = 5 mm gms = 30-40	x = 9 mm y = 5 mm gms = 30-40	x = 9 mm y = 5 mm gms = 20-25	x = 9 mm y = 5 mm gms = 30-40

Für temporären Gebrauch, (gekennzeichnet durch gelb eingefärbte Federenden) für Gefäße mit 0,5 mm – 2,0 mm Ø. Maulinnenflächen schräg gerieft für schonendes und sicheres Festhalten der Gefäße. Der fest eingestellte Schließdruck gewährt risikofreie Anwendung.

For temporary occlusion, (identified by yellow coloured spring ends) for vessels of 0,5 mm – 2,0 mm Ø. Blade gripping surface with oblique serrations for save but careful gripping of vessels. No risk due to rigidly fixed pressure measure.

Pour usage temporaire, (ressorts couleur jaune) pour vaisseaux de 0,5 mm – 2,0 mm Ø. Mors striés pour fixation sûr et menagement. Force de fermeture non changeable.

Para oclusión temporal (ressortes amarillos) para vasos de 0,5 mm – 2,0 mm Ø. Boca estriada para fijación segura y moderada de los vasos. Utilización sin riesgo con fuerza de oclusión fija.

Per uso temporaneo, con finale della molla giallo, per vasi di 0,5 mm – 2,0 mm Ø. Morso zigrinato per una presa sicura, non traumatica.

APPLYING FORCEPS FOR VESSEL CLIPS



140 mm - 5 1/2"	10-1033	10-1034	140 mm - 5 1/2"	10-1035
		mit Schloß with lock avec serrure con cierre con cremagliera		für Approximatoren und Doppelklemmen for approximators and double-clips pour approximateurs et clips doubles para aproximadores y clips dobles per approssimatori e clips doppi



x	Ø	V	A
Länge	Gefäß	Vene	Arterie
Length	Vessel	Vein	Artery
Longueur	Vaissseau	Veine	Artère
Longitud	Vaso	Vena	Arteria
Lunghezza	Vaso	Vena	Arteria

APPROXIMATORS, CLIPS

$x = 8 \text{ mm}$






V	10-1036	10-1038	10-1040	10-1042
A	10-1037	10-1039	10-1041	10-1043

$\varnothing = 0,4 \text{ mm} - 1 \text{ mm}$

$x = 11 \text{ mm}$






V	10-1044	10-1046	10-1048	10-1050
A	10-1045	10-1047	10-1049	10-1051

$\varnothing = 0,6 \text{ mm} - 1,5 \text{ mm}$

$x = 14 \text{ mm}$






V	10-1052	10-1054	10-1056	10-1058
A	10-1053	10-1055	10-1057	10-1059

$\varnothing = 1 \text{ mm} - 2 \text{ mm}$

$x = 17 \text{ mm}$






V	10-1060	10-1062	10-1064	10-1066
A	10-1061	10-1063	10-1065	10-1067

$\varnothing = 1 \text{ mm} - 2,25 \text{ mm}$

$x = 25 \text{ mm}$






V	10-1068	10-1070	10-1072	10-1074
A	10-1069	10-1071	10-1073	10-1075

$\varnothing = 1,5 \text{ mm} - 3,5 \text{ mm}$

$x = 36 \text{ mm}$






V	10-1076	10-1078	10-1080	10-1082
A	10-1077	10-1079	10-1081	10-1083

$\varnothing = 1,5 \text{ mm} - 3,5 \text{ mm}$

MICRO VESSEL CLIPS



x = Maullänge	y = max. Maulöffnung	gms = Schließkraft
x = Jaw length	y = max. opening	gms = Pressure
x = Longueur du mors	y = Ouverture max. du mors	gms = Force de fermeture
x = Longitud de la boca	y = Apertura max. de la boca	gms = Presión
x = Lunghezza del morso	y = Apertura mass. del morso	gms = Sforza della chiusura

für temporären Verschluss
for temporary closure
pour fermeture temporaire
para oclusión temporal
per chiusura temporanea



x = 10.0 mm	x = 8.0 mm	x = 6.0 mm	x = 4.0 mm	x = 6.0 mm
y = 1.5 mm	y = 1.0 mm	y = 0.8 mm	y = 0.75 mm	y = 1.0 mm
gms = 70				
10-1084	10-1085	10-1086	10-1087	10-1088



x = 6.0 mm	x = 6.0 mm	x = 6.0 mm	x = 10.0 mm
y = 1.0 mm			
gms = 70	gms = 70	gms = 70	gms = 70
10-1089	10-1090	10-1091	10-1092



150 mm - 6° **10-1093**

mit Sperre
with ratchet
avec crémaillère
con cierre
con cremagliera

180 mm - 7° **10-1094**

mit Sperre, bajonettförmig
with ratchet, bayonet shaped
avec crémaillère, en forme de bajonette
con cierre, en forma de bayoneta
con cremagliera, a forma balonetta

MICRO VESSEL CLIPS

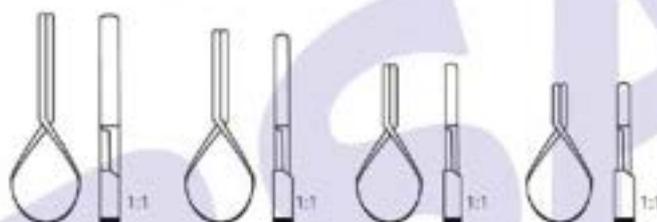


x = Maullänge
x = Jaw length
x = Longueur du mors
x = Longitud de la boca
x = Lunghezza del morso

y = max. Maulöffnung
y = max. opening
y = Ouverture max. du mors
y = Apertura max. de la boca
y = Apertura mass. del morso

gms = Schließkraft
gms = Pressure
gms = Force de fermeture
gms = Presión
gms = Sforza della chiusura

für temporären Verschluss
for temporary closure
pour fermeture temporaire
para oclusión temporal
per chiusura temporanea

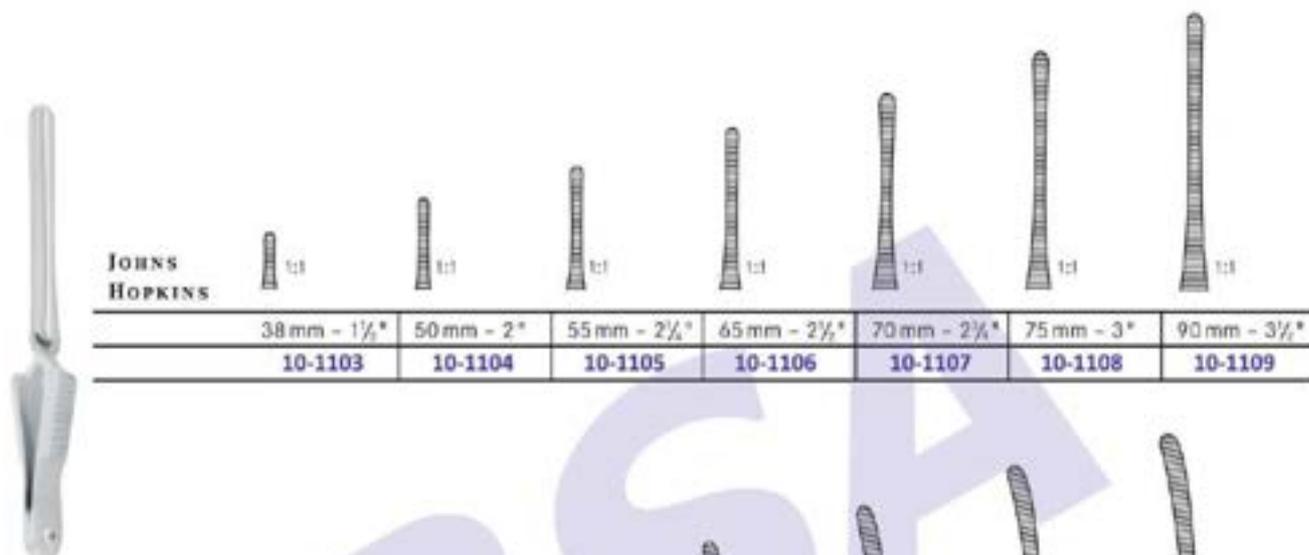


x = 10.0 mm	x = 8.0 mm	x = 6.0 mm	x = 4.0 mm
y = 2.0 mm	y = 2.0 mm	y = 1.0 mm	y = 0.75 mm
gms = 150	gms = 150	gms = 150	gms = 150
10-1095	10-1096	10-1097	10-1098



x = 6.0 mm	x = 6.0 mm	x = 6.0 mm	x = 8.0 mm
y = 1.0 mm	y = 1.0 mm	y = 1.0 mm	y = 2.0 mm
gms = 150	gms = 150	gms = 150	gms = 150
10-1099	10-1100	10-1101	10-1102

BULLDOG CLAMPS



**JOHNS
HOPKINS**

 1:1	 1:1	 1:1	 1:1	 1:1	 1:1	 1:1
38 mm - 1 1/2"	50 mm - 2"	55 mm - 2 1/4"	65 mm - 2 1/2"	70 mm - 2 3/4"	75 mm - 3"	90 mm - 3 1/2"
10-1103	10-1104	10-1105	10-1106	10-1107	10-1108	10-1109

**JOHNS
HOPKINS**

 1:1	 1:1	 1:1	 1:1	 1:1	 1:1	 1:1
38 mm - 1 1/2"	50 mm - 2"	55 mm - 2 1/4"	65 mm - 2 1/2"	70 mm - 2 3/4"	75 mm - 3"	90 mm - 3 1/2"
10-1110	10-1111	10-1112	10-1113	10-1114	10-1115	10-1116

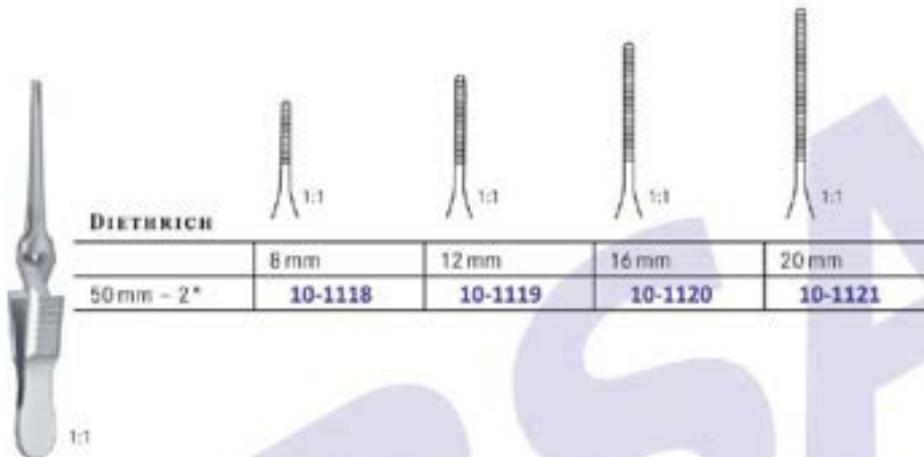


235 mm - 9 1/4"

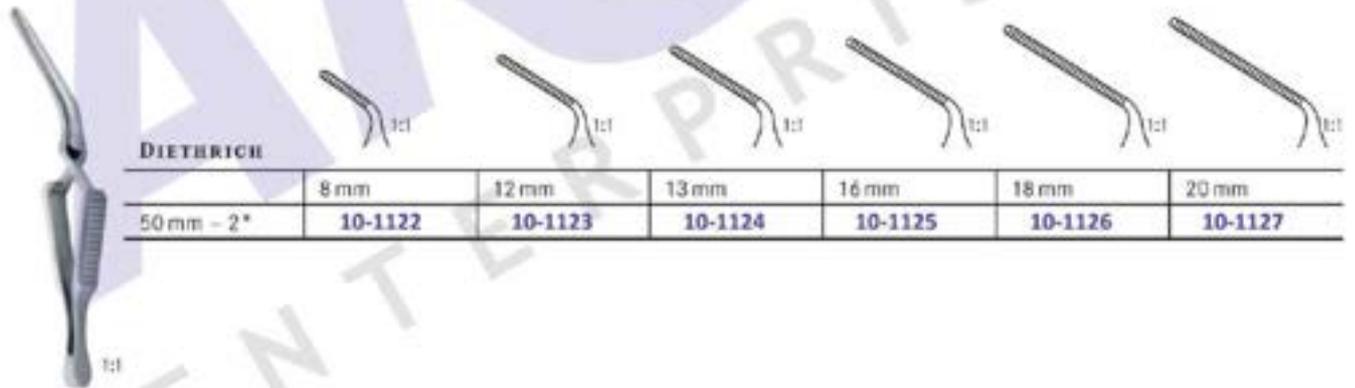
10-1117

Anlegezange für Bulldogklemmen
Applying forceps for Bulldog clamps
 Pince pour poser les clamps Bulldog
 Pinza applicadora para clamps Bulldog
 Pinza per posizionare le pinze Bulldog

BULLDOG CLAMPS



DIETRICH	8 mm	12 mm	16 mm	20 mm
50 mm - 2°	10-1118	10-1119	10-1120	10-1121



DIETRICH	8 mm	12 mm	13 mm	16 mm	18 mm	20 mm
50 mm - 2°	10-1122	10-1123	10-1124	10-1125	10-1126	10-1127

BULLDOG CLAMPS



MINI - GLOVER



x"	30 mm - 1¼"	35 mm - 1½"	40 mm - 1½"	50 mm - 2"	30 mm - 1¼"	35 mm - 1½"	40 mm - 1½"	50 mm - 2"
y"	11 mm	15 mm	17 mm	24 mm	11 mm	15 mm	17 mm	24 mm
for Veins	gms = 110							
for Arteries	gms = 220							
for Veins	10-1128	10-1130	10-1132	10-1134	10-1136	10-1138	10-1140	10-1142
for Arteries	10-1129	10-1131	10-1133	10-1135	10-1137	10-1139	10-1141	10-1143

MINI - GLOVER



x"	30 mm - 1¼"	35 mm - 1½"	40 mm - 1½"	50 mm - 2"
y"	11 mm	15 mm	17 mm	24 mm
for Veins	gms = 110			
for Arteries	gms = 220			
for Veins	10-1144	10-1146	10-1148	10-1150
for Arteries	10-1145	10-1147	10-1149	10-1151



230 mm - 9" / stainless steel

10-1152

Anlegezange für Mini-Glover Bulldogklemmen
 Applying forceps for Mini-Glover bulldog clamps
 Pince à poser pour les clamps Bulldog (Mini-Glover)
 Aplicadora para clamps Bulldog (Mini-Glover)
 Pinza per posizionare le pinze Bulldog (Mini-Glover)

BULLDOG CLAMPS



DE BAKEY - DIETRICH

x=	49 mm - 2"	53 mm - 2"	59 mm - 2 1/4"	44 mm - 1 3/4"	46 mm - 1 3/4"	49 mm - 2"
y=	10 mm	14 mm	20 mm	10 mm	14 mm	20 mm
gms = 180						
	10-1153	10-1154	10-1155	10-1156	10-1157	10-1158

x = Länge

Length

Longueur

Longitud

Lunghezza

y = geriefte Maullänge

serrated jaw part

partie striée du mors

parte estriada de la boca

morsò zigrinato

gms = Schließkraft

closing force

force de fermeture

presión

pressione di chiusura

BULLDOG CLAMPS



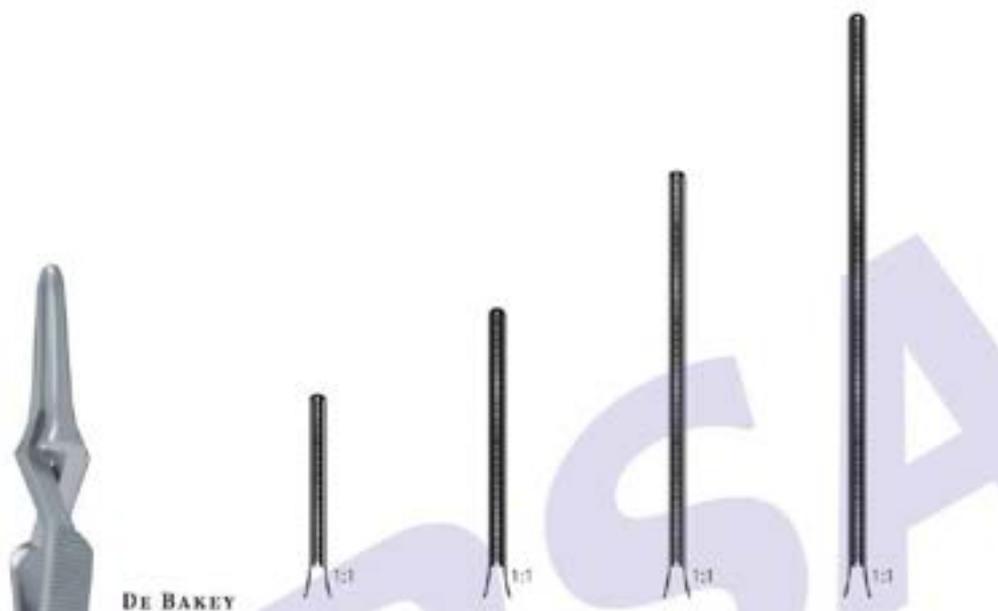
COOLEY

			
80 mm - 3/8"	90 mm - 3/8"	105 mm - 4/8"	125 mm - 5"
10-1159	10-1160	10-1161	10-1162

COOLEY

			
75 mm - 3"	85 mm - 3 1/8"	95 mm - 3 1/4"	115 mm - 4 1/2"
10-1163	10-1164	10-1165	10-1166

BULLDOG CLAMPS



DE BAKEY

75 mm - 3"	85 mm - 3 1/4"	105 mm - 4 1/4"	120 mm - 4 3/4"
10-1167	10-1168	10-1169	10-1170



DE BAKEY

70 mm - 2 3/4"	80 mm - 3 1/4"	100 mm - 4"	115 mm - 4 1/2"	55 mm - 2 1/4"
10-1171	10-1172	10-1173	10-1174	10-1175

abgewinkelt
angled on flat
coudée sur le plat
angulado
angolato

BULLDOG CLAMPS



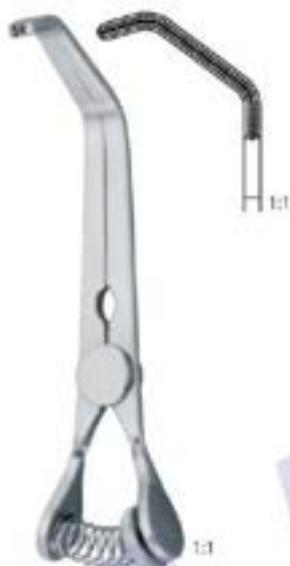
GLOVER	1:1	1:1	1:1	1:1
	60 mm - 2 1/2"	70 mm - 2 7/8"	90 mm - 3 1/2"	110 mm - 4 1/4"
	10-1176	10-1177	10-1178	10-1179



GLOVER	1:1	1:1	1:1	1:1	1:1
	55 mm - 2 1/8"	65 mm - 2 5/8"	85 mm - 3 3/8"	105 mm - 4 1/8"	50 mm - 2"
	10-1180	10-1181	10-1182	10-1183	10-1184

abgewinkelt
angled on flat
coudée sur le plat
angulato
angolato

BULLDOG CLAMPS



DE BAKY-SATINSKY

70 mm - 2 7/8"

10-1185



DE BAKY-CAROTIS

90 mm - 3 1/2"

10-1186



DE BAKY-SATINSKY

100 mm - 4"

10-1187



SANTULLI

70 mm - 2 7/8"

10-1188



GREGORY-SOFT

90 mm - 3 1/2"

10-1189



110 mm - 4 1/4"

10-1190

ATRAUMATIC TISSUE FORCEPS



DE BAKAY

	x = 1.5 mm	x = 2.0 mm	x = 2.7 mm	x = 3.5 mm
120 mm - 4 1/2°	10-1191			
145 mm - 5 1/2°	10-1192	10-1196		
160 mm - 6 1/2°	10-1193	10-1197	10-1201	10-1205
200 mm - 8°	10-1194	10-1198	10-1202	10-1206
240 mm - 9 1/2°	10-1195	10-1199	10-1203	10-1207
300 mm - 12°		10-1200	10-1204	10-1208
350 mm - 14°				10-1209



	x = 1.5 mm	x = 2.0 mm
145 mm - 5 1/2°	10-1210	
160 mm - 6 1/2°		10-1211
200 mm - 8°		10-1212
240 mm - 9 1/2°		10-1213
300 mm - 12°		10-1214

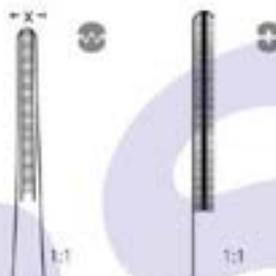
ATRAUMATIC TISSUE FORCEPS



DE BAKAY

	x = 1.2 mm	x = 1.5 mm	x = 1.8 mm	x = 2.0 mm	x = 2.8 mm
160 mm - 6¼"	10-1215	10-1218	10-1221	10-1224	10-1227
200 mm - 8"	10-1216	10-1219	10-1222	10-1225	10-1228
240 mm - 9½"	10-1217	10-1220	10-1223	10-1226	10-1229

ATRAUMATIC TISSUE FORCEPS



	x = 2.5 mm	x = 3.0 mm
150 mm - 6°	10-1230	10-1233
200 mm - 8°	10-1231	10-1234
240 mm - 9½°	10-1232	10-1235

rostfrei
stainless
inoxydable
inoxidable
inossidabile

	x = 2.5 mm	x = 2.8 mm
150 mm - 6°	10-1236	10-1239
200 mm - 8°	10-1237	10-1240
240 mm - 9½°	10-1238	10-1241

VASCULAR FORCEPS



**DE BAKEY-
MOSQUITO**



1:1



1:1

125 mm - 5°	125 mm - 5°
10-1242	10-1243



**DE BAKEY-
RANKIN**



1:1



1:1

160 mm - 6¼°	160 mm - 6¼°
10-1244	10-1245

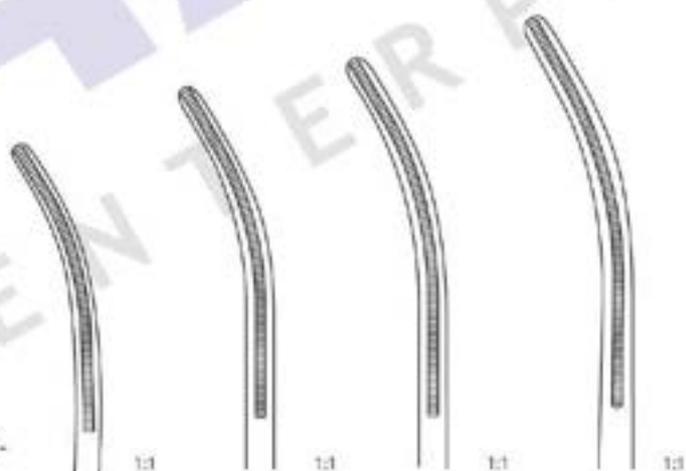
VASCULAR FORCEPS



DE BAKY-PEAN



140 mm - 5 1/2"	160 mm - 6 1/4"	180 mm - 7"	200 mm - 8"
10-1246	10-1247	10-1248	10-1249



DE BAKY-PEAN

140 mm - 5 1/2"	160 mm - 6 1/4"	180 mm - 7"	200 mm - 8"
10-1250	10-1251	10-1252	10-1253

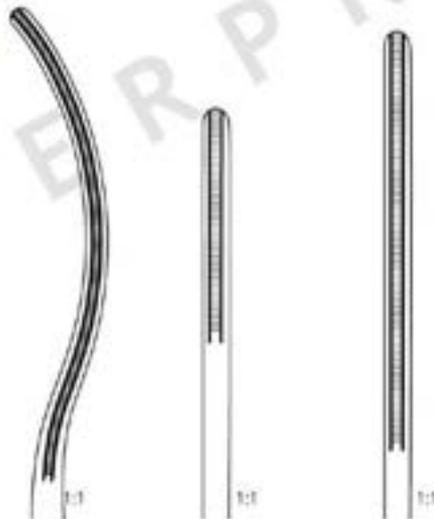


RING HANDLE BULLDOG CLAMPS



POTTS

200 mm - 8"	220 mm - 8 1/2"	200 mm - 8"	220 mm - 8 1/2"
10-1254	10-1255	10-1256	10-1257



POTTS

220 mm - 8 1/2"	210 mm - 8 1/2"	220 mm - 8 1/2"
10-1258	10-1259	10-1260

VASCULAR FORCEPS



VASCULAR FORCEPS



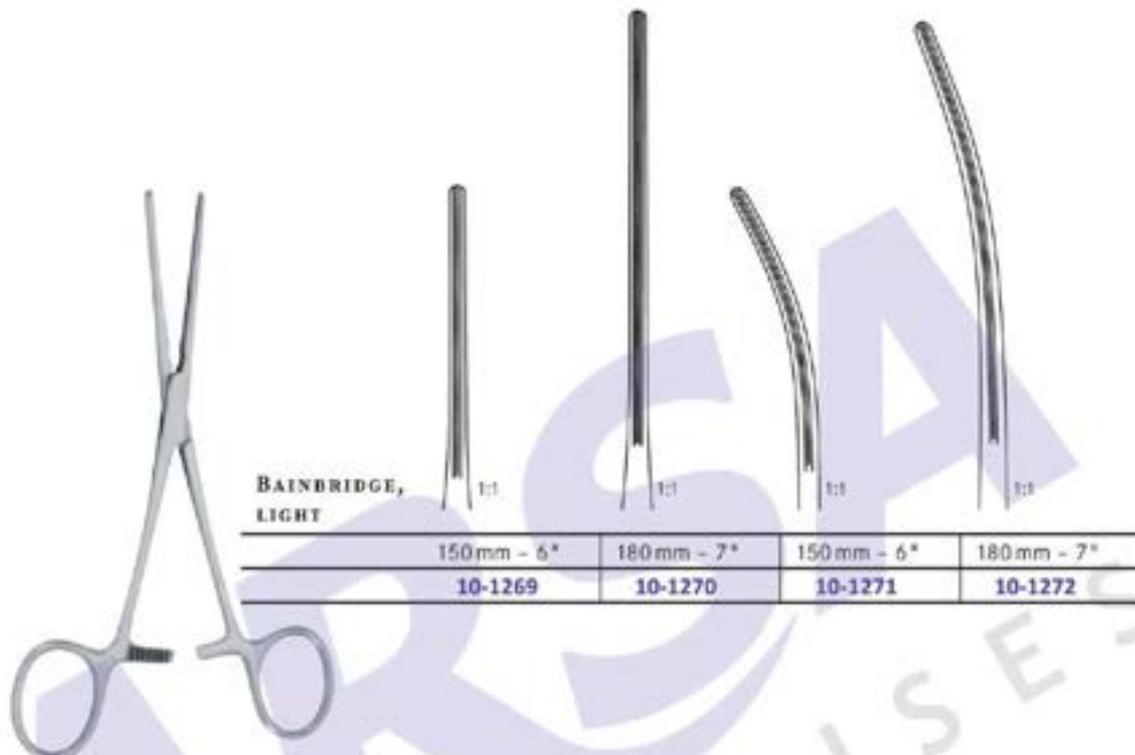
LELAND-JONES

180 mm - 7"	190 mm - 7½"	200 mm - 8"
10-1264	10-1265	10-1266



190 mm - 7½"	200 mm - 8"
10-1267	10-1268

VASCULAR FORCEPS



**BAINBRIDGE,
LIGHT**

150 mm - 6°	180 mm - 7°	150 mm - 6°	180 mm - 7°
10-1269	10-1270	10-1271	10-1272



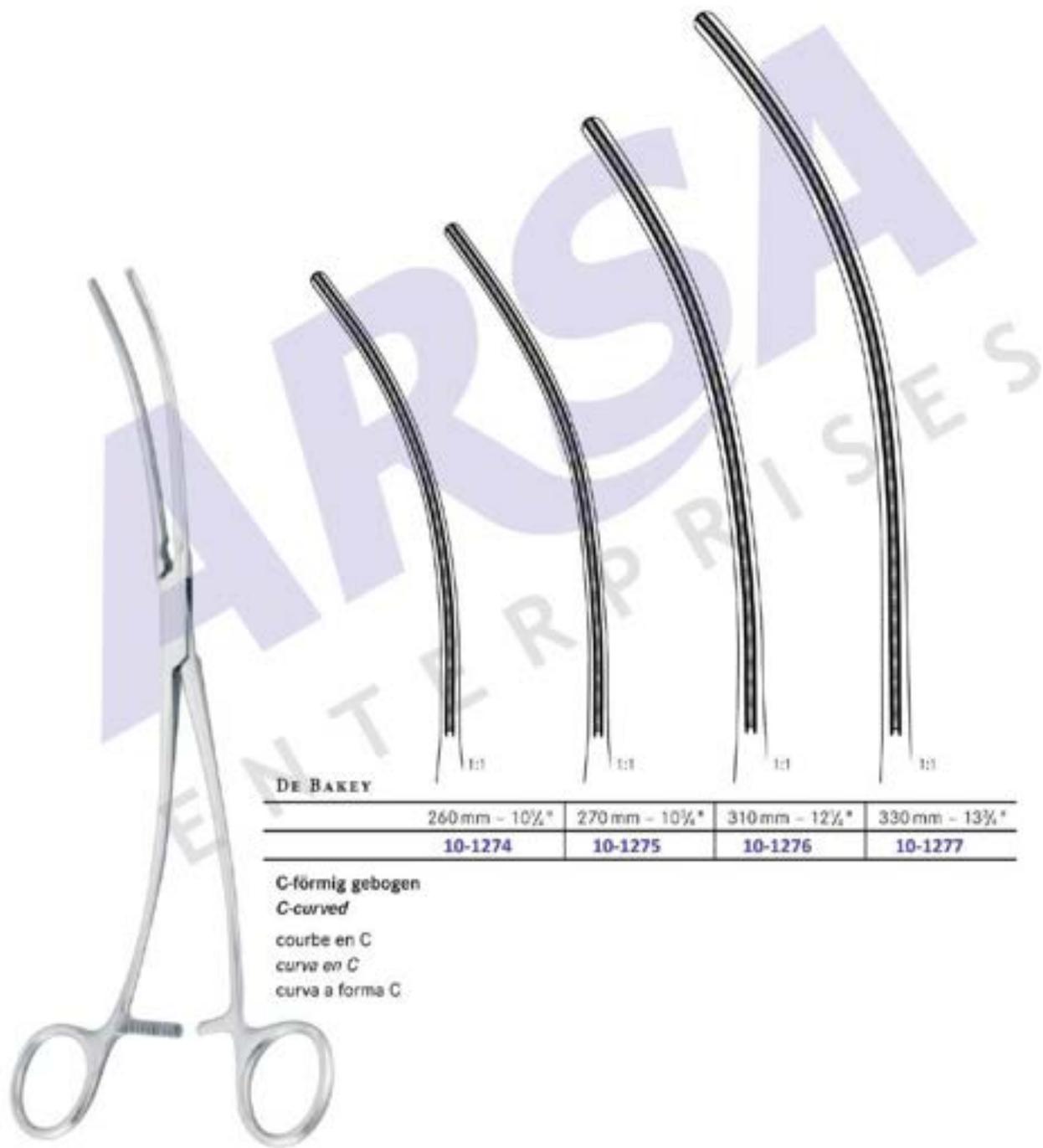
DE BAKHEY

200 mm - 8°

10-1273

S-förmig gebogen
S-curved
courbe en S
curva en S
curva a forma S

VASCULAR FORCEPS



DE BAKAY

260 mm - 10%*	270 mm - 10%*	310 mm - 12%*	330 mm - 13%*
10-1274	10-1275	10-1276	10-1277

C-förmig gebogen
C-curved
courbe en C
curva en C
curva a forma C

VASCULAR FORCEPS



DE BAKAY

260 mm - 11"

10-1278

300 mm - 11 3/4"

10-1279

S-förmig gebogen
S-curved
courbe en S
curva en S
curva a forma S

VASCULAR FORCEPS



WEBER

260 mm - 10 1/4"

10-1280

**links gebogen
curved left**

*courbe à gauche
curva a la izquierda
curvata a sinistra*

260 mm - 10 1/4"

10-1281

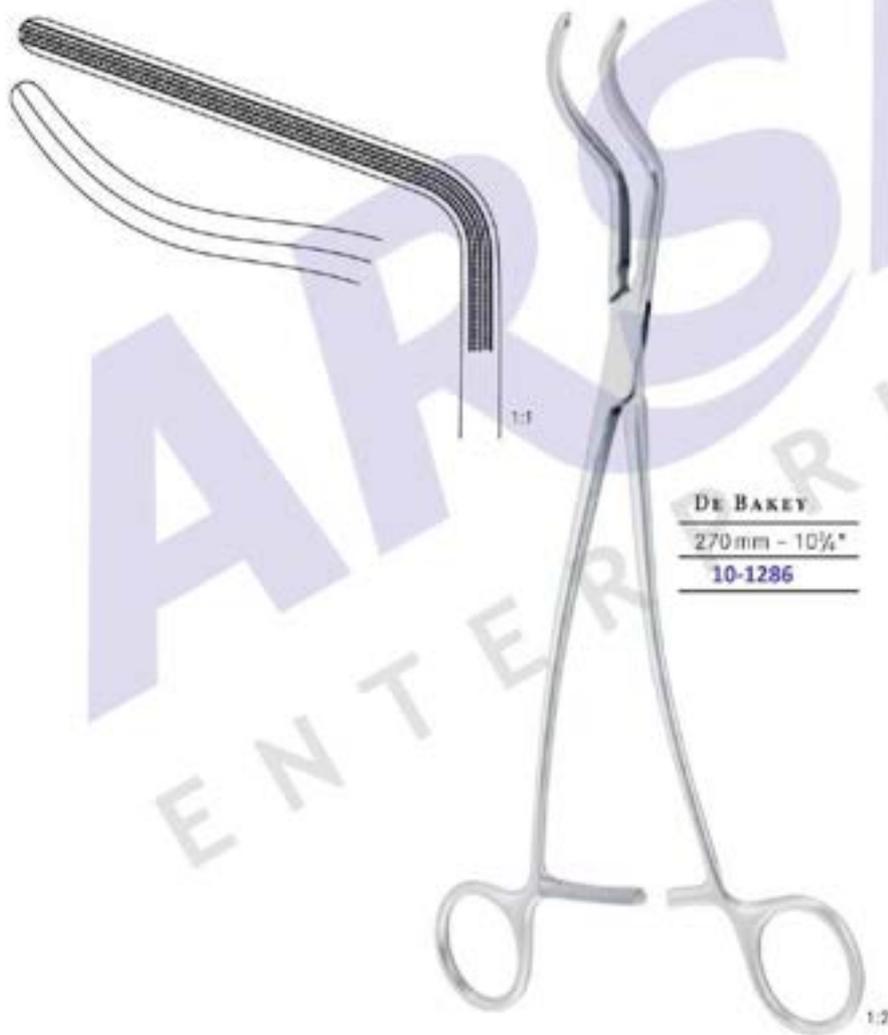
**rechts gebogen
curved right**

*courbe à droite
curva a la derecha
curvata a destra*

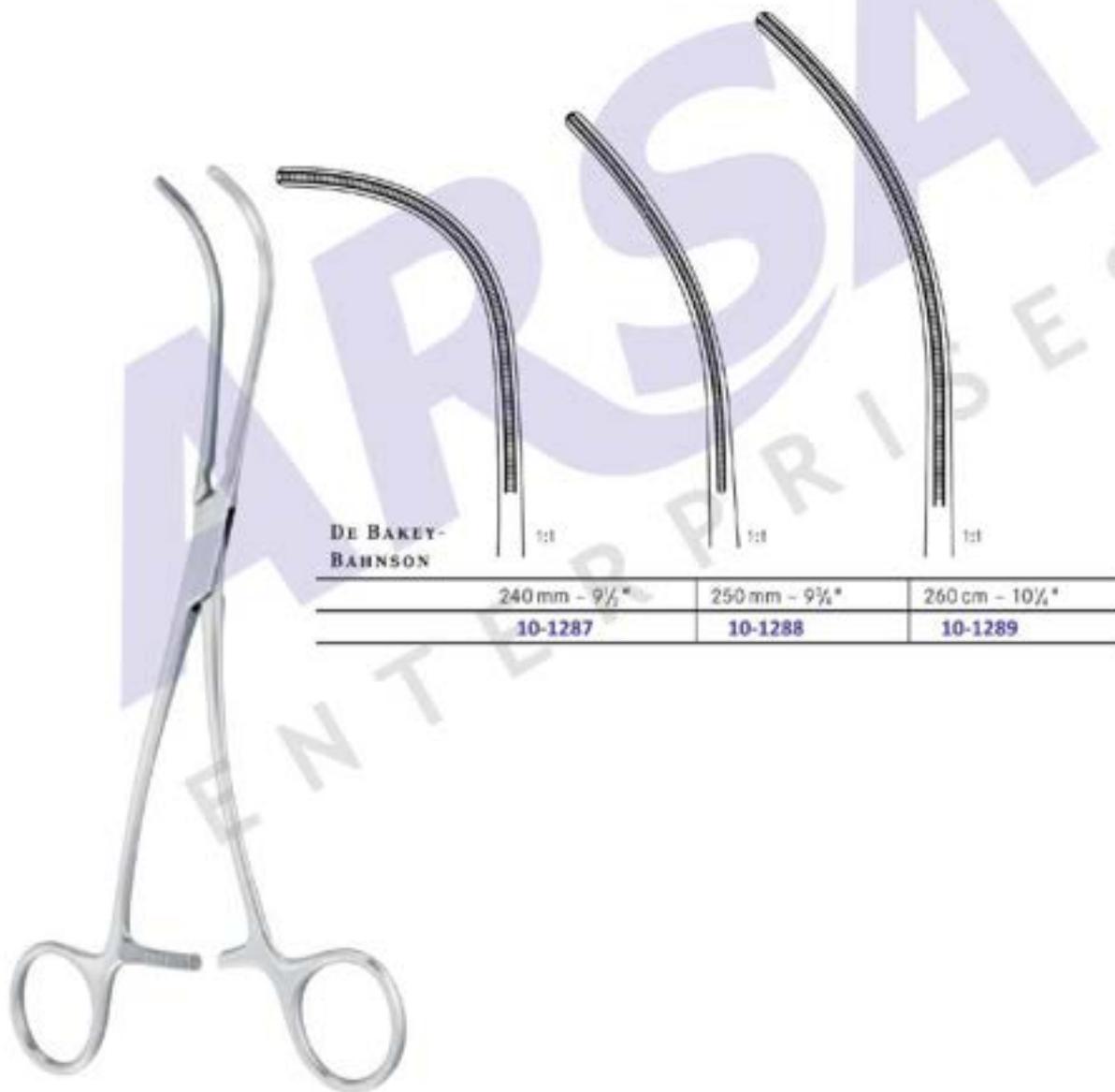
VASCULAR FORCEPS



VASCULAR FORCEPS



VASCULAR FORCEPS



**DE BAKAY-
BAHNSON**

240 mm - 9½"	250 mm - 9¾"	260 mm - 10¼"
10-1287	10-1288	10-1289

VASCULAR FORCEPS



DE BAKEY-SEMB

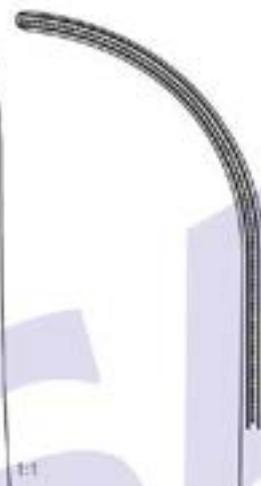
240 mm - 9 1/2"

1:2



1:1

10-1290



1:1

10-1291



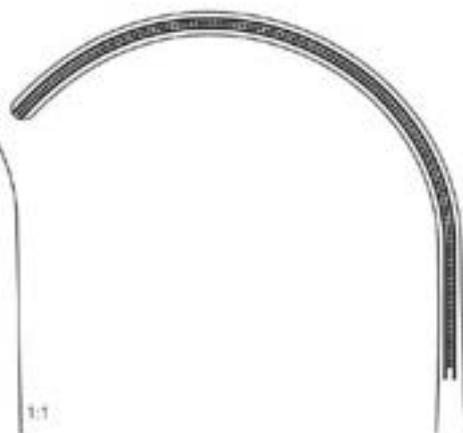
DE BAKEY

250 mm - 10"

10-1292



1:1

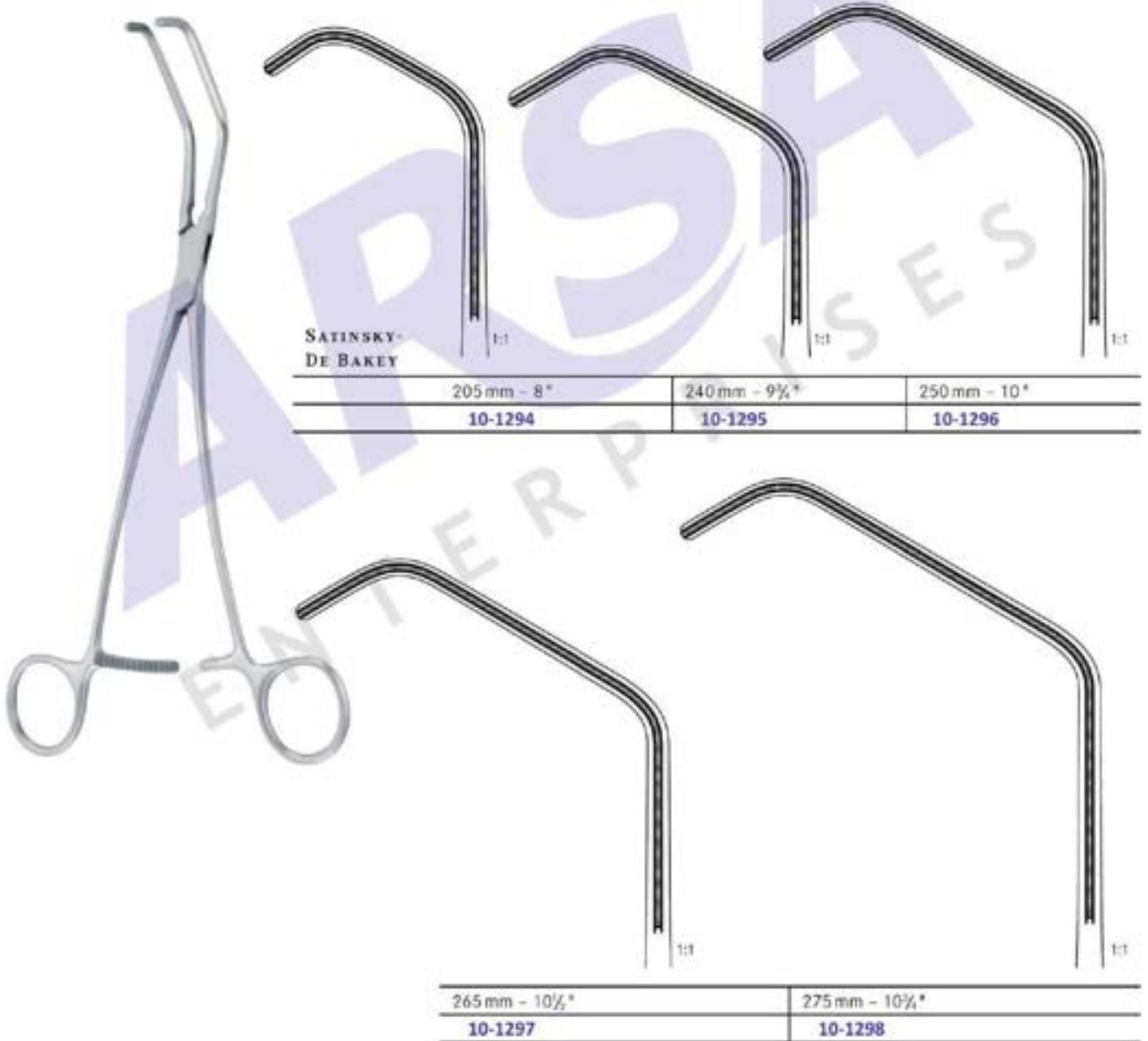


1:1

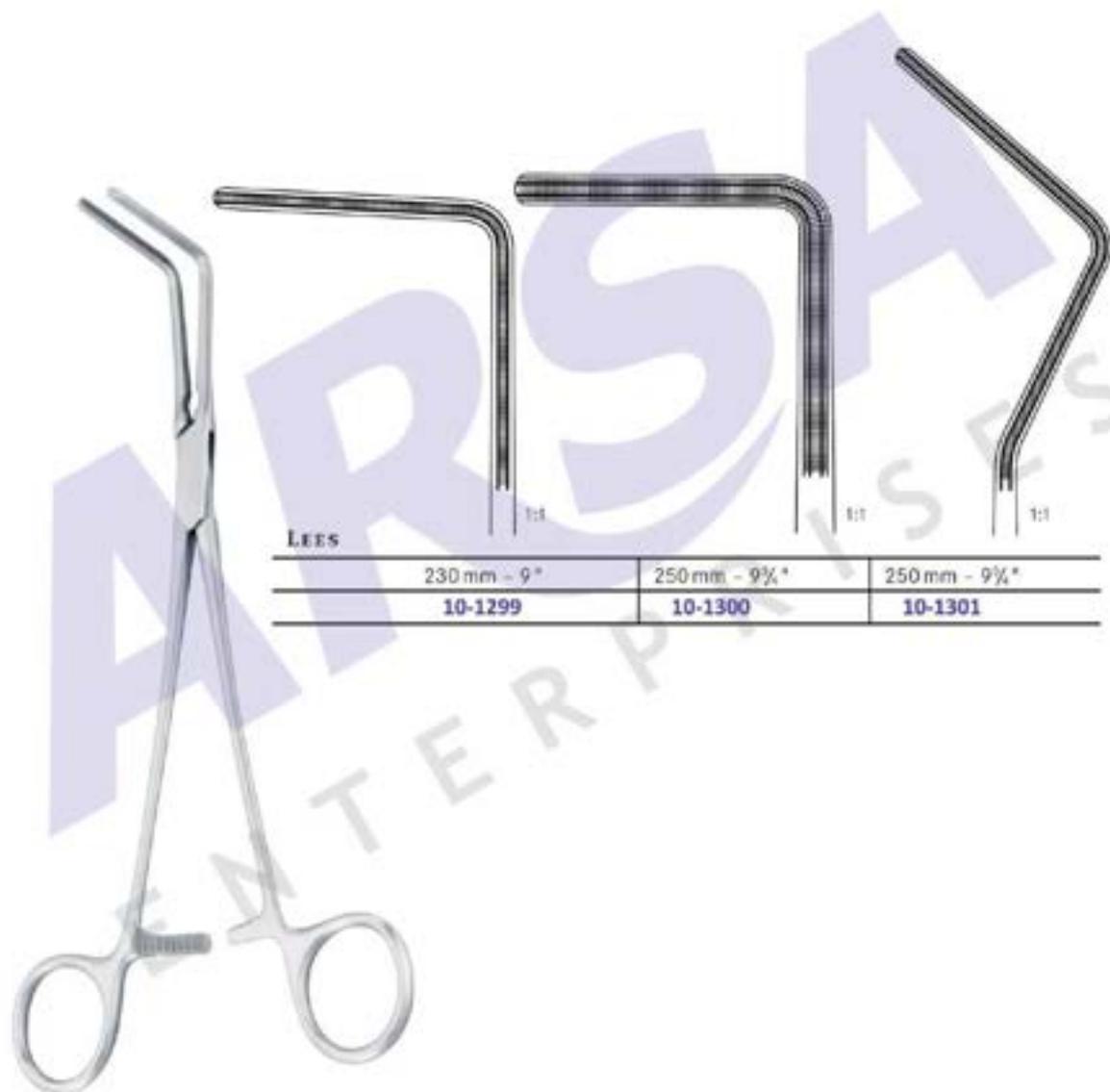
260 mm - 10 1/4"

10-1293

VASCULAR FORCEPS



VASCULAR FORCEPS



LEES	230 mm - 9°	250 mm - 9½°	250 mm - 9½°
	10-1299	10-1300	10-1301

VASCULAR FORCEPS



LAMBERT-KAY

200 mm - 8"

10-1302

10-1303



1:1



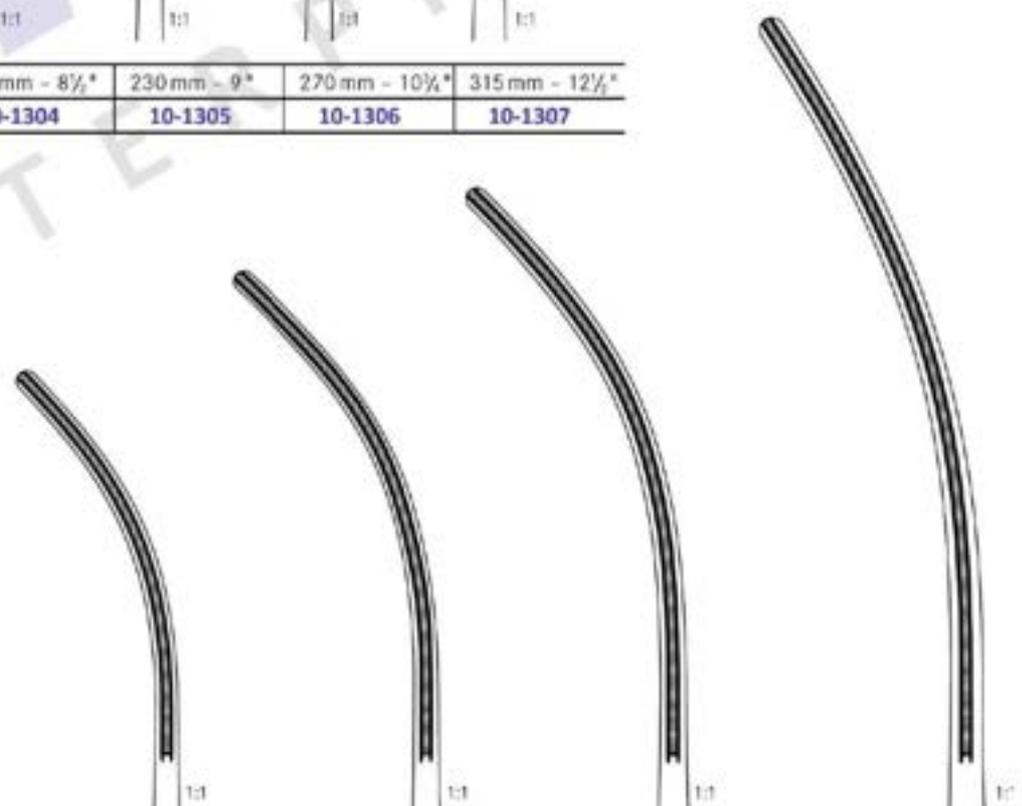
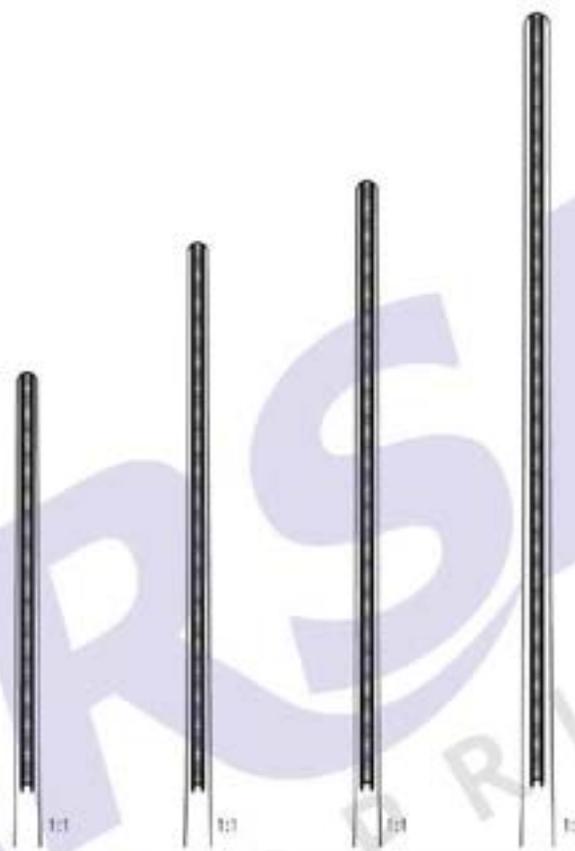
1:1

VASCULAR FORCEPS



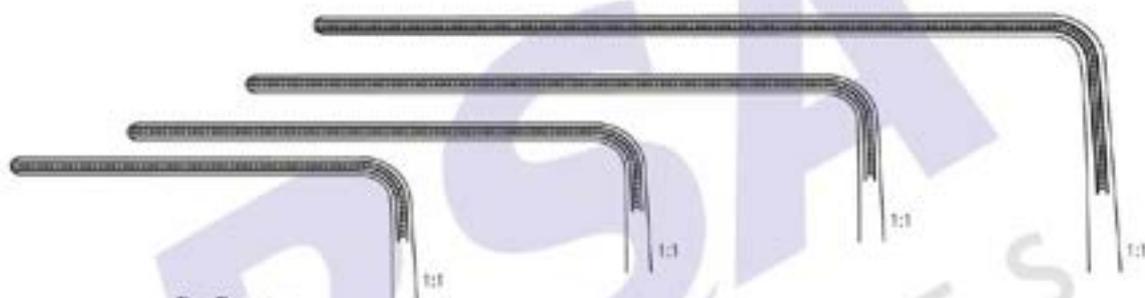
DE BAKEY

215 mm - 8 1/2"*	230 mm - 9"	270 mm - 10 1/4"*	315 mm - 12 1/2"*
10-1304	10-1305	10-1306	10-1307



215 mm - 8 1/2"*	230 mm - 9"	270 mm - 10 1/4"*	315 mm - 12 1/2"*
10-1308	10-1309	10-1310	10-1311

VASCULAR FORCEPS



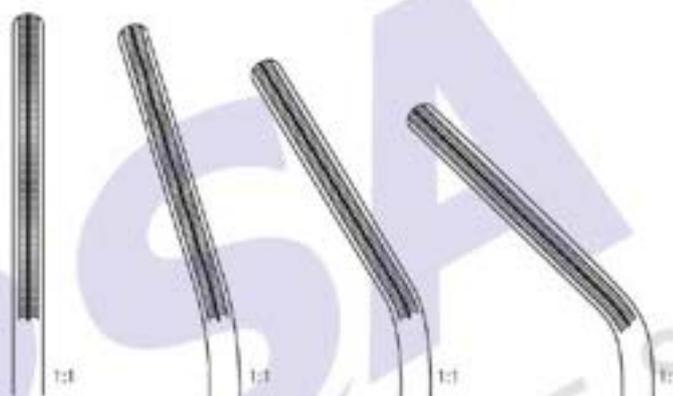
DE BAKAY

180 mm - 7"	190 mm - 7½"	230 mm - 9"	270 mm - 10¾"
10-1312	10-1313	10-1314	10-1315



200 mm - 8"	210 mm - 8¼"	250 mm - 9¾"	300 mm - 12"
10-1316	10-1317	10-1318	10-1319

VASCULAR FORCEPS



DARDIK	0°	15°	30°	45°
170 mm - 6 3/8"	10-1320	10-1321	10-1322	10-1323

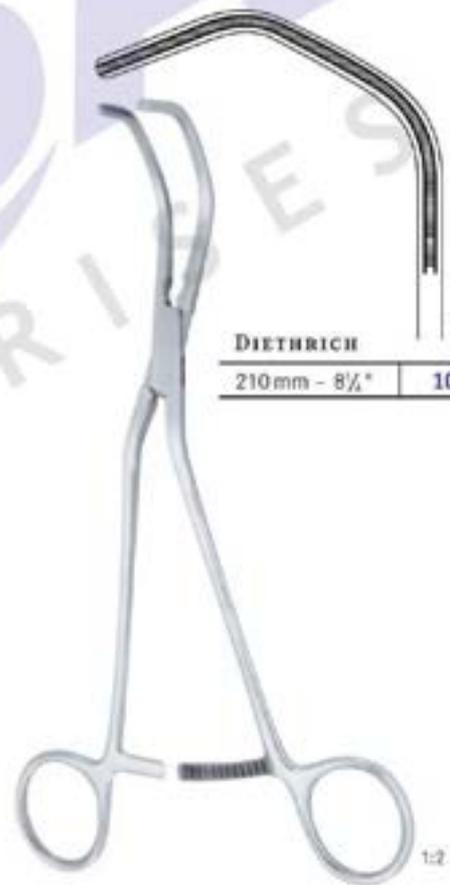


	90°
160 mm - 6 1/8"	10-1324

VASCULAR FORCEPS

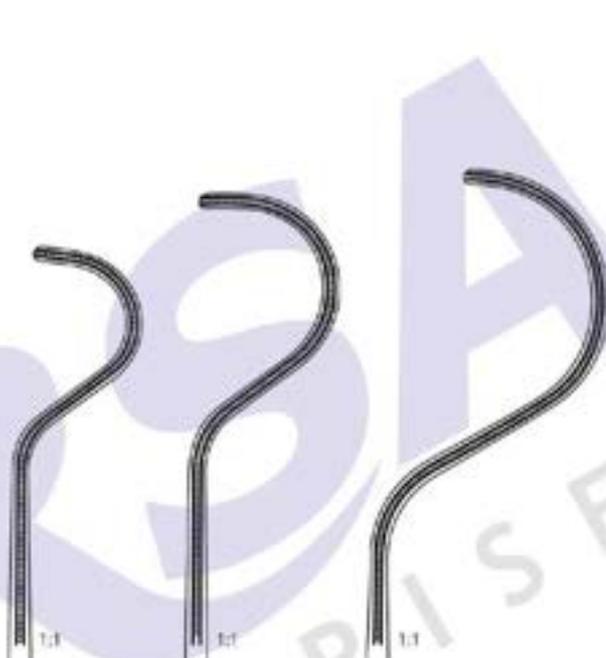


OCHSNER
235 mm - 9 1/4" | **10-1325**



DIETRICH
210 mm - 8 1/4" | **10-1326**

VASCULAR FORCEPS

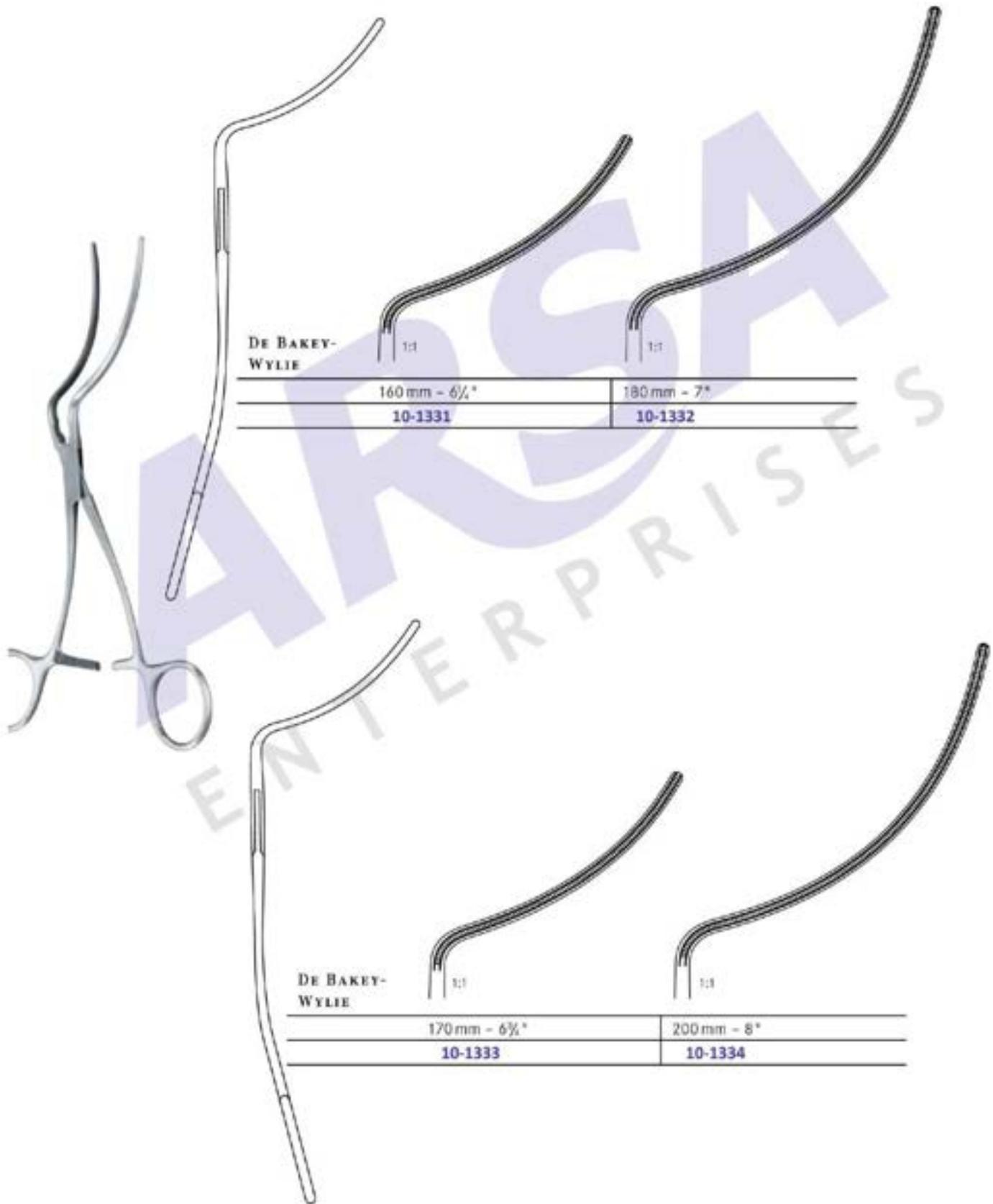


DALE	170 mm - 6 3/4"	175 mm - 7"	185 mm - 7 1/4"
	10-1327	10-1328	10-1329



185 mm - 7 1/4"
10-1330

VASCULAR FORCEPS



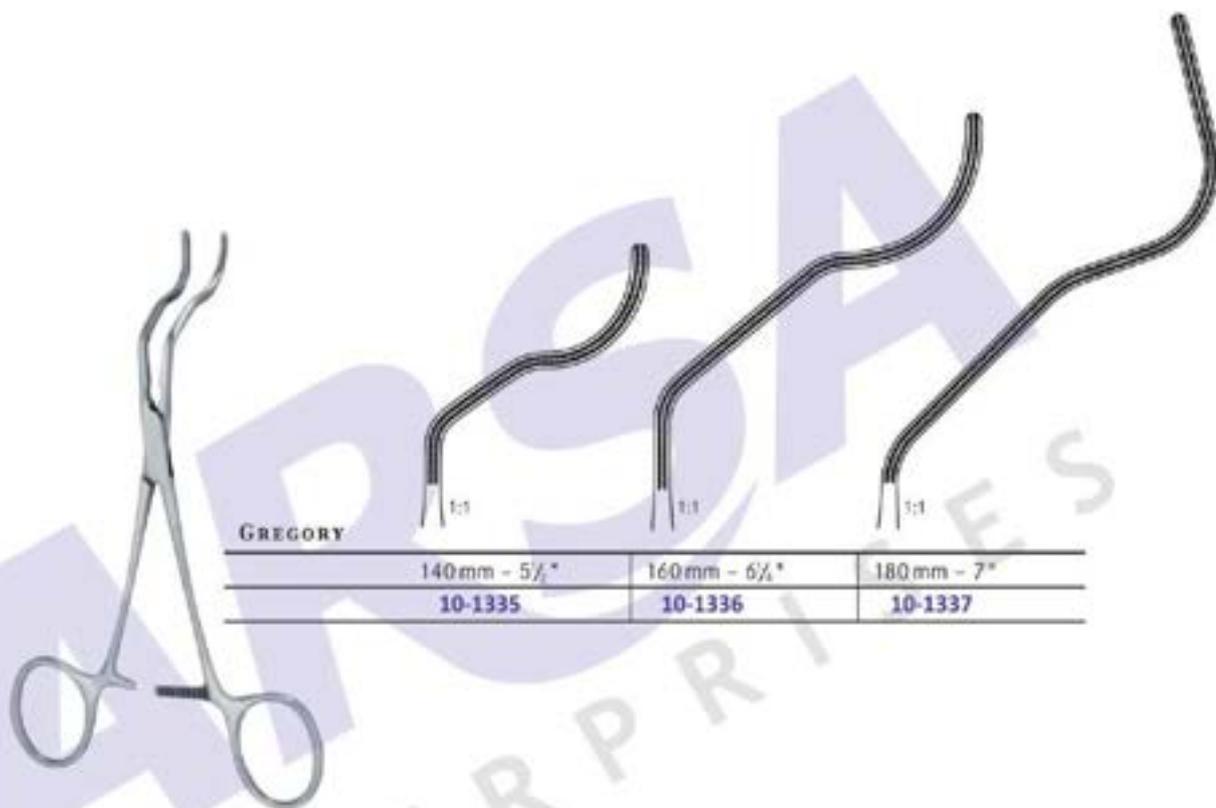
DE BAKEWYLIE

160 mm - 6 $\frac{1}{4}$ "*	180 mm - 7"
10-1331	10-1332

DE BAKEWYLIE

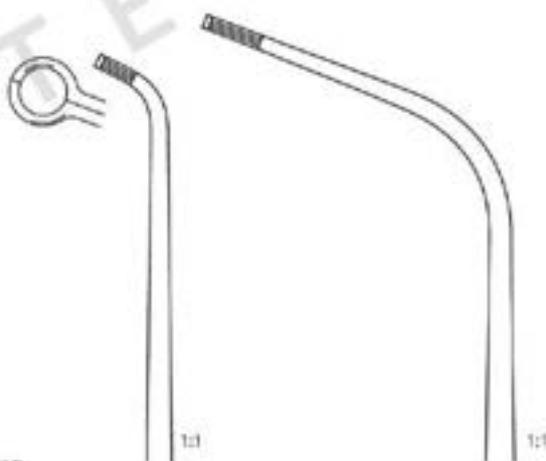
170 mm - 6 $\frac{3}{4}$ "*	200 mm - 8"
10-1333	10-1334

VASCULAR FORCEPS



GREGORY

140 mm - 5½"	160 mm - 6¼"	180 mm - 7"
10-1335	10-1336	10-1337



DAVID

160 mm - 6¼"	190 mm - 7½"
10-1338	10-1339

VASCULAR FORCEPS



DE BAKAY

120 mm - 4 3/4"	110 mm - 4 1/4"	100 mm - 4"
10-1340	10-1341	10-1342

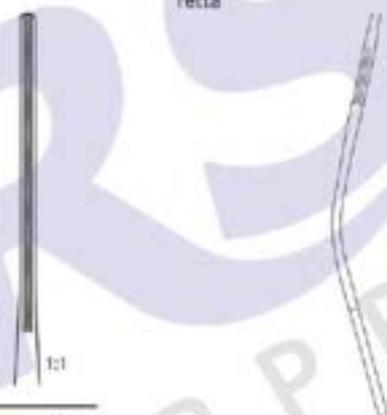
gerade
straight
droite
recta
retta



DE BAKAY

170 mm - 6 3/4"
10-1345

gerade
straight
droite
recta
retta



DE BAKAY

120 mm - 4 3/4"	130 mm - 5"
10-1343	10-1344

abgewinkelt
angled on flat
coudée sur le plat
anuladada
angolata



DE BAKAY

170 mm - 6 3/4"	160 mm - 6 1/4"	150 mm - 6"	140 mm - 5 1/2"
10-1346	10-1347	10-1348	10-1349

kniegebogen
angled on flat
coudée sur le plat
anuladada
angolata



VASCULAR FORCEPS



GLOVER

205 mm - 8°	220 mm - 8 1/4°	260 mm - 10 1/4°
10-1350	10-1351	10-1352



205 mm - 8°	220 mm - 8 1/4°	260 mm - 10 1/4°
10-1353	10-1354	10-1355

abgewinkelt
angled on flat

coudé sur le plat
angulado
angolato

abgewinkelt
angled on flat

coudé sur le plat
angulado
angolato

abgewinkelt
angled on flat

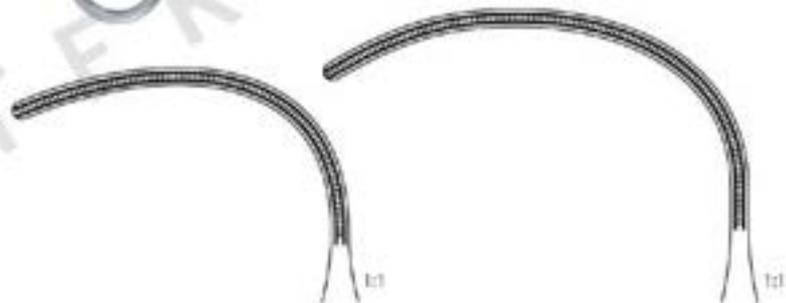
coudé sur le plat
angulado
angolato

VASCULAR FORCEPS



GLOVER

170 mm - 6 7/8"	210 mm - 8 1/4"	240 mm - 9 1/2"
10-1356	10-1357	10-1358



185 mm - 7 1/4"	220 mm - 8 3/4"
10-1359	10-1360

VASCULAR FORCEPS



DERRA

160 mm - 6 1/4"	170 mm - 6 3/4"	180 mm - 7"
10-1361	10-1362	10-1363



BECK

170 mm - 6 3/4"
10-1364

**NEONTAL & CHILDRENS CLAMPS,
EXTRA DELICATE PATTERNS**

	Fig. 1	Fig. 2	Fig. 3	Fig. 4
115mm - 4 1/2"	10-1365	10-1366	10-1367	10-1368

gebogen
curved
courbe
curva
curve

Fig. 5	Fig. 6	Fig. 7	Fig. 8	Fig. 9
10-1369	10-1370	10-1371	10-1372	10-1373

**NEONTAL & CHILDRENS CLAMPS,
EXTRA DELICATE PATTERNS**



	Fig. 1	Fig. 2	Fig. 3	Fig. 4
115mm - 4 1/2"	10-1374	10-1375	10-1376	10-1377

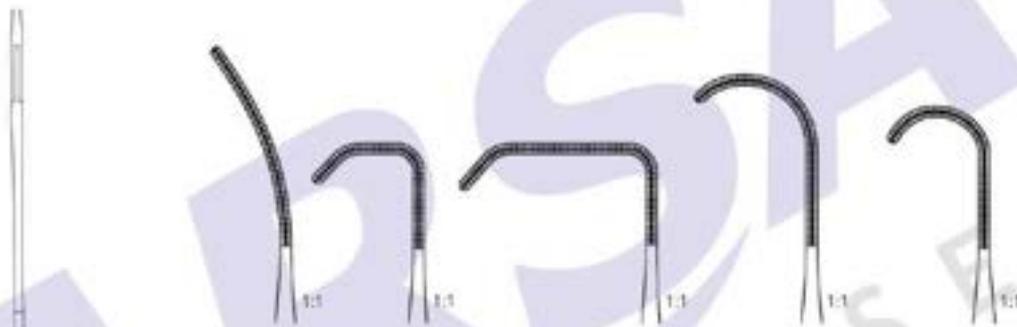


	Fig. 5	Fig. 6	Fig. 7	Fig. 8	Fig. 9
115mm - 4 1/2"	10-1378	10-1379	10-1380	10-1381	10-1382



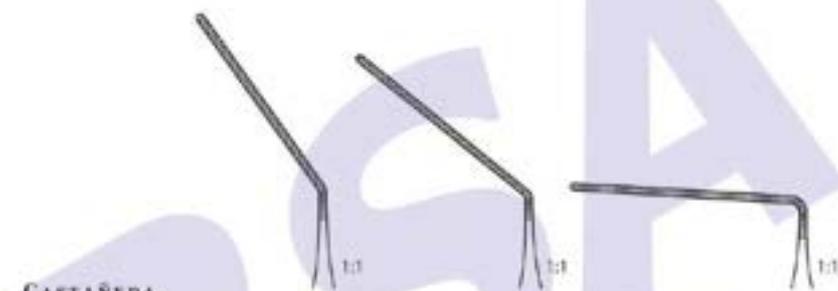
	Fig. 1	Fig. 2	Fig. 3	Fig. 4
115mm - 4 1/2"	10-1383	10-1384	10-1385	10-1386

abgewinkelt
angled on flat
coudé sur le plat
anulado
angolato



	Fig. 5	Fig. 6	Fig. 7	Fig. 8	Fig. 9
	10-1387	10-1388	10-1389	10-1390	10-1391

**NEONTAL & CHILDRENS CLAMPS,
EXTRA DELICATE PATTERNS**

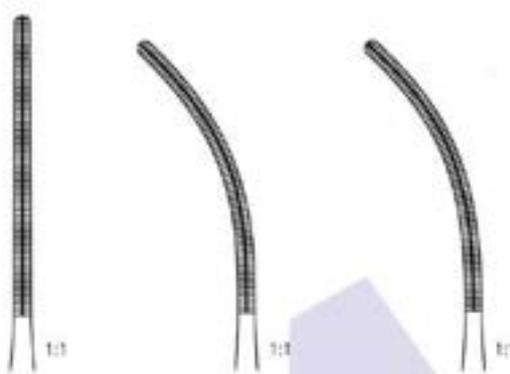


CASTAÑEDA			
110 mm - 4 1/2"			10-1394
130 mm - 5"	10-1392	10-1393	



120 mm - 4 3/4"	10-1395	10-1396	10-1397	
150 mm - 6"				10-1398

VASCULAR FORCEPS

COOLEY
120 mm - 4 1/2"

	10-1399	10-1400	10-1401
gerade <i>straight</i> droit <i>recta</i> retta		gebogen <i>curved</i> courbe <i>curva</i> curva	S-förmig gebogen <i>S-curved</i> courbe en S <i>curva en S</i> curva a forma S




COOLEY
120 mm - 4 1/2"

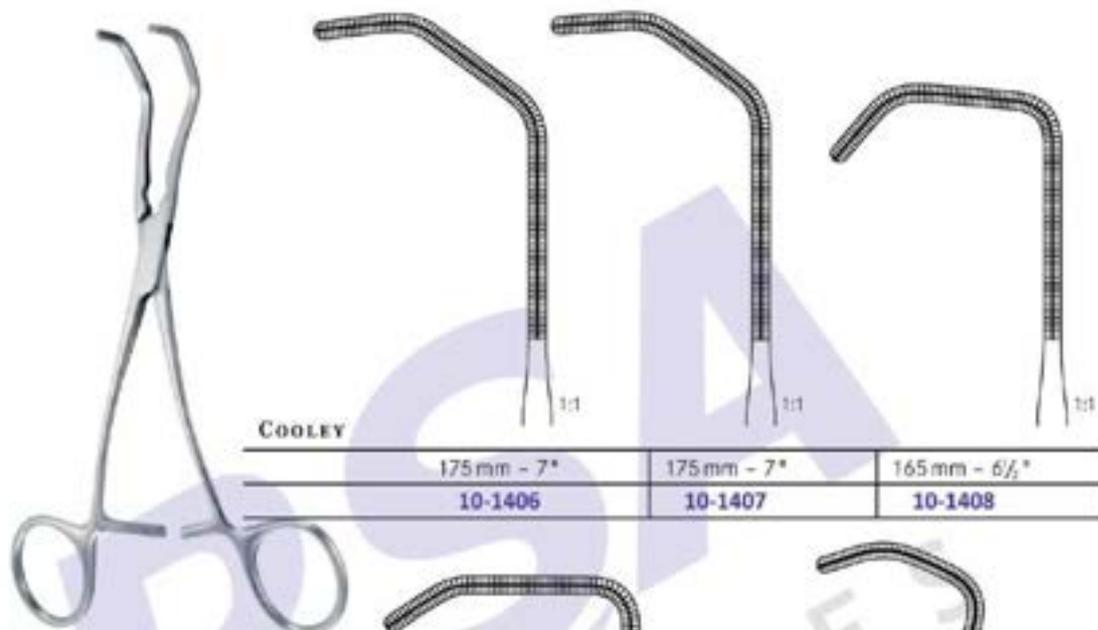
	10-1402	10-1403	10-1404
seitlich gewinkelt <i>sidewards angled</i> coudé vers la coté <i>angulado al lado</i> angolata lateralmente		abgewinkelt <i>angled on flat</i> coudé sur le plat <i>angulado</i> angolato	90° abgewinkelt <i>90° angled on flat</i> 90° coudé sur le plat <i>90° angulado</i> 90° angolato




COOLEY
170 mm - 6 1/2"

10-1405
seitlich abgewinkelt <i>sidewards angled</i> coudé vers la coté <i>angulado al lado</i> angolata lateralmente

VASCULAR FORCEPS

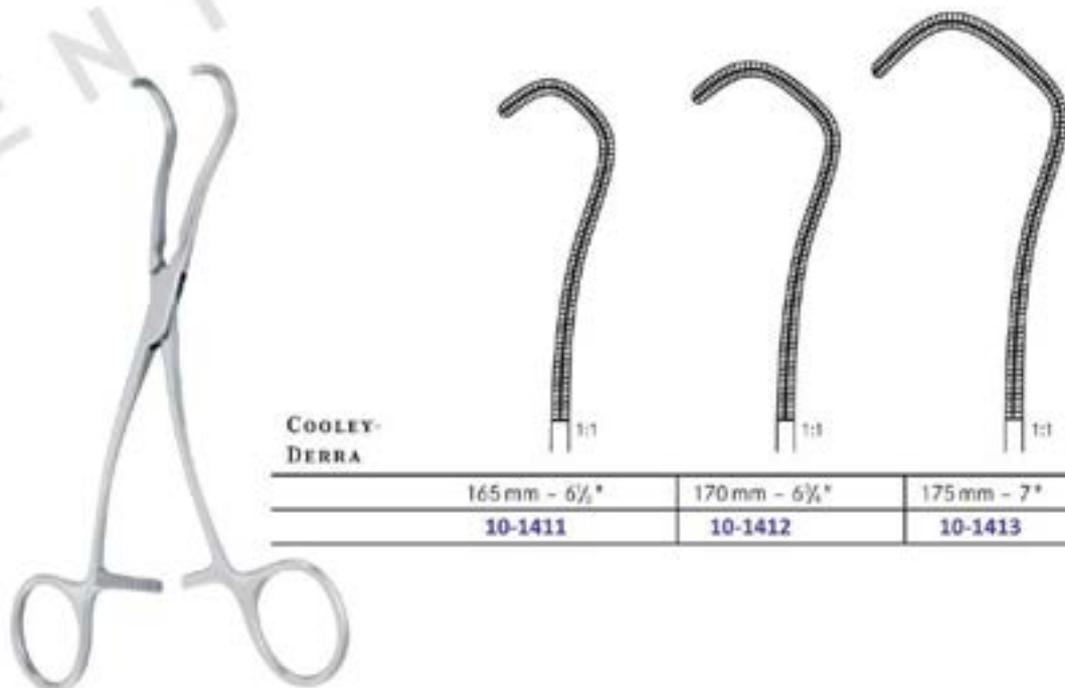


COOLEY

175 mm - 7"	175 mm - 7"	165 mm - 6½"
10-1406	10-1407	10-1408



165 mm - 6½"	170 mm - 6¾"
10-1409	10-1410



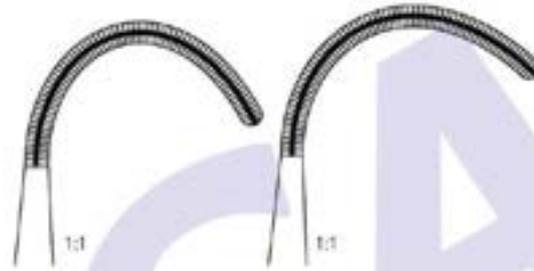
COOLEY-DERRA

165 mm - 6½"	170 mm - 6¾"	175 mm - 7"
10-1411	10-1412	10-1413

VASCULAR FORCEPS



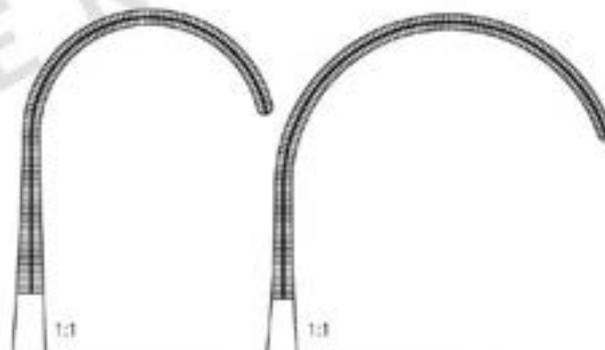
**COOLEY-
BECK**



150 mm - 6"	155 mm - 6"
10-1414	10-1415

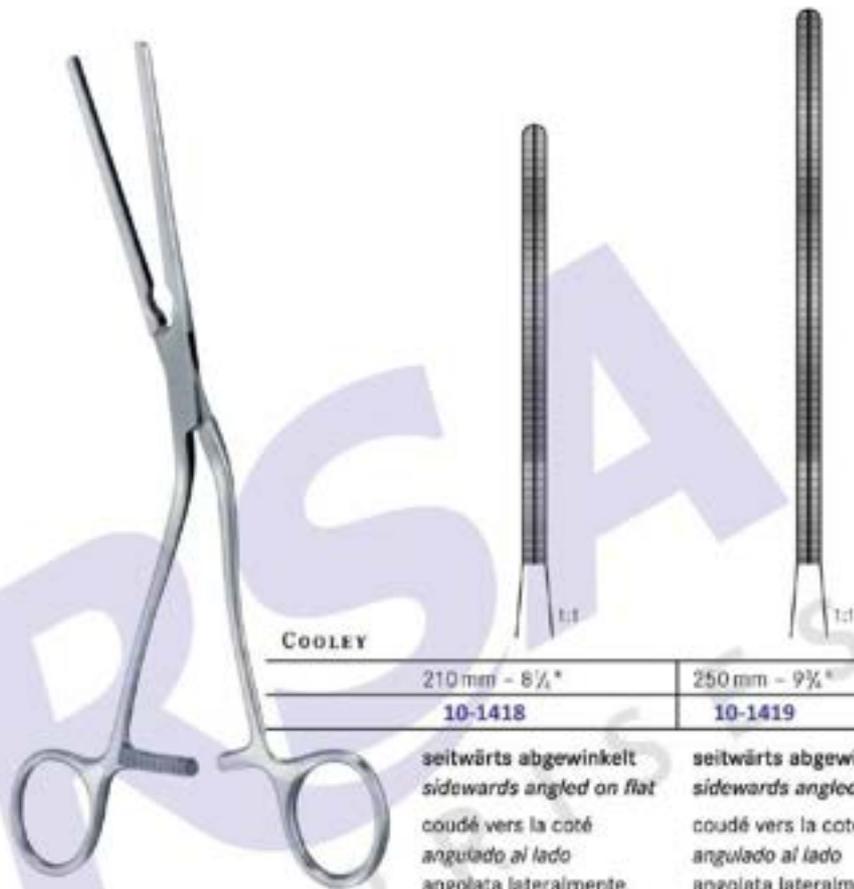


COOLEY



150 mm - 6"	160 mm - 6 1/4"
10-1416	10-1417

VASCULAR FORCEPS

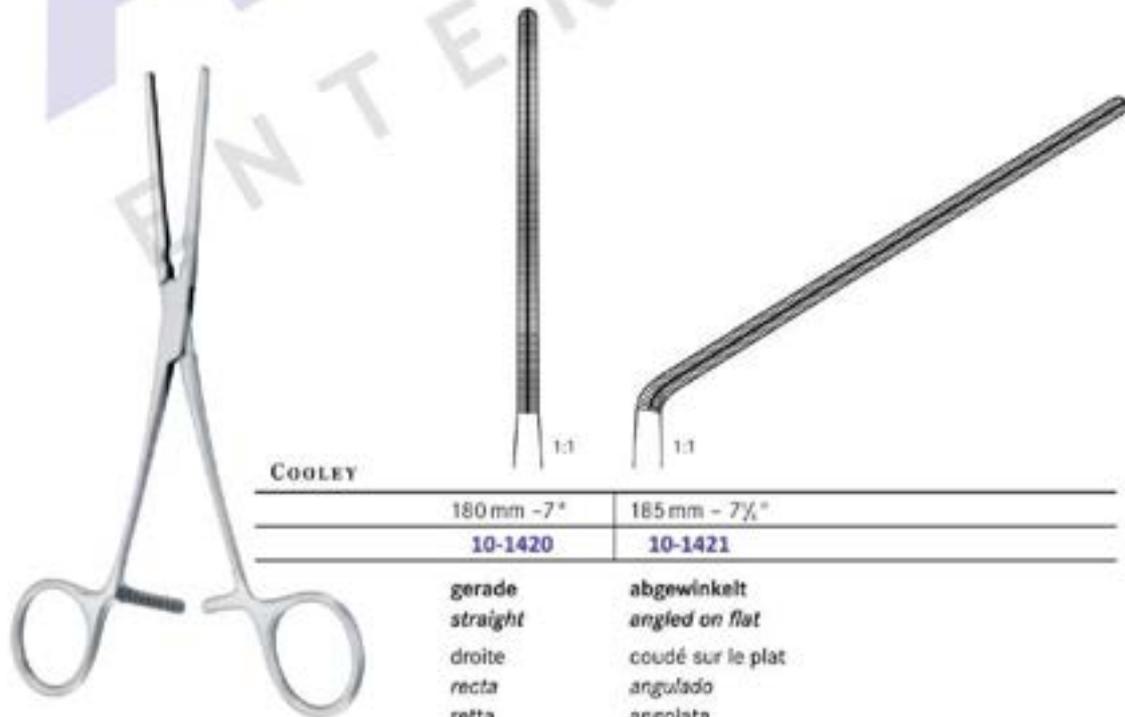


COOLEY

210 mm - 8 1/4"	250 mm - 9 7/8"
10-1418	10-1419

seitwärts abgewinkelt
sidewards angled on flat
coudé vers la coté
angulado al lado
angolata lateralmente

seitwärts abgewinkelt
sidewards angled on flat
coudé vers la coté
angulado al lado
angolata lateralmente



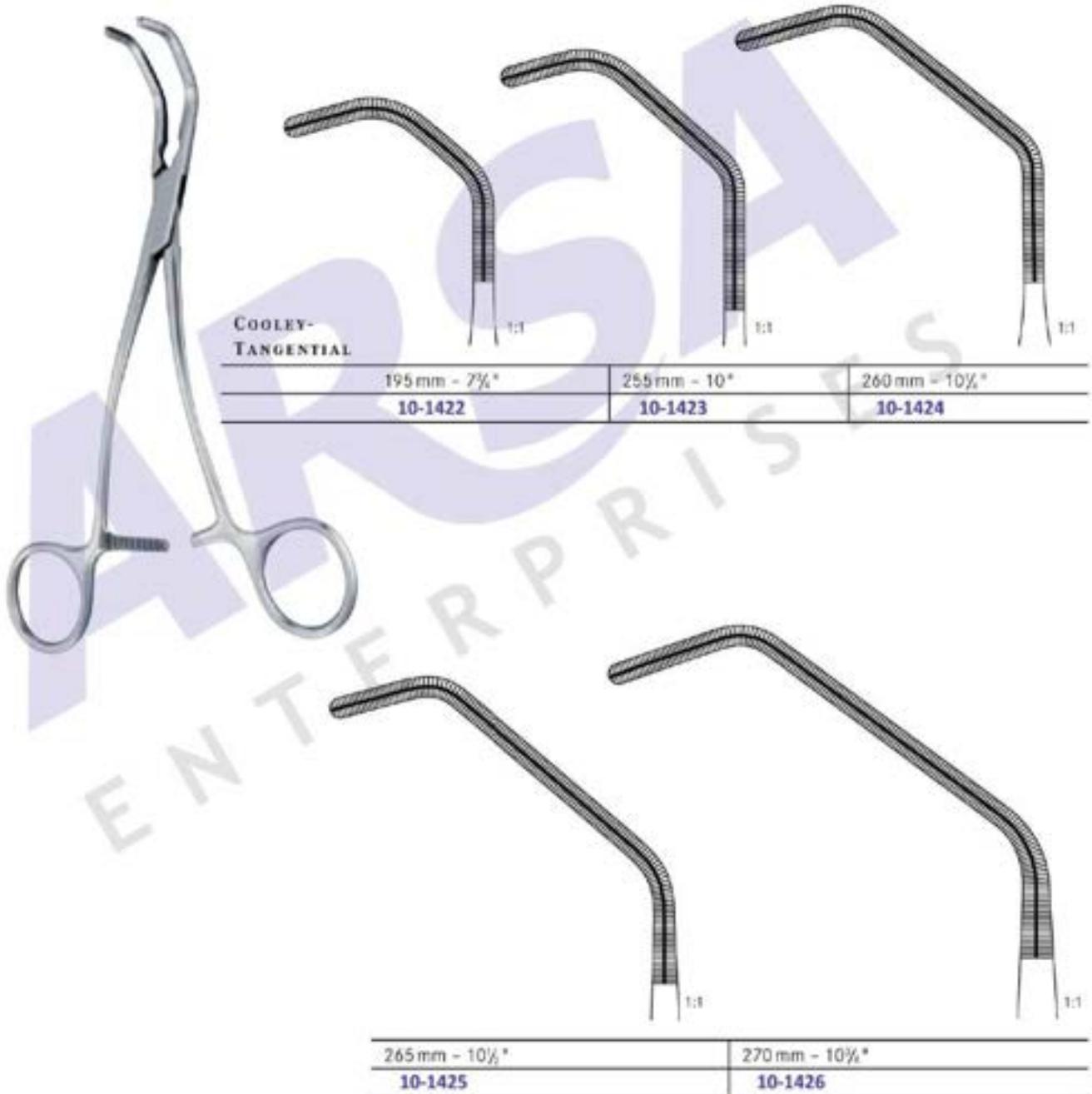
COOLEY

180 mm - 7"	185 mm - 7 1/2"
10-1420	10-1421

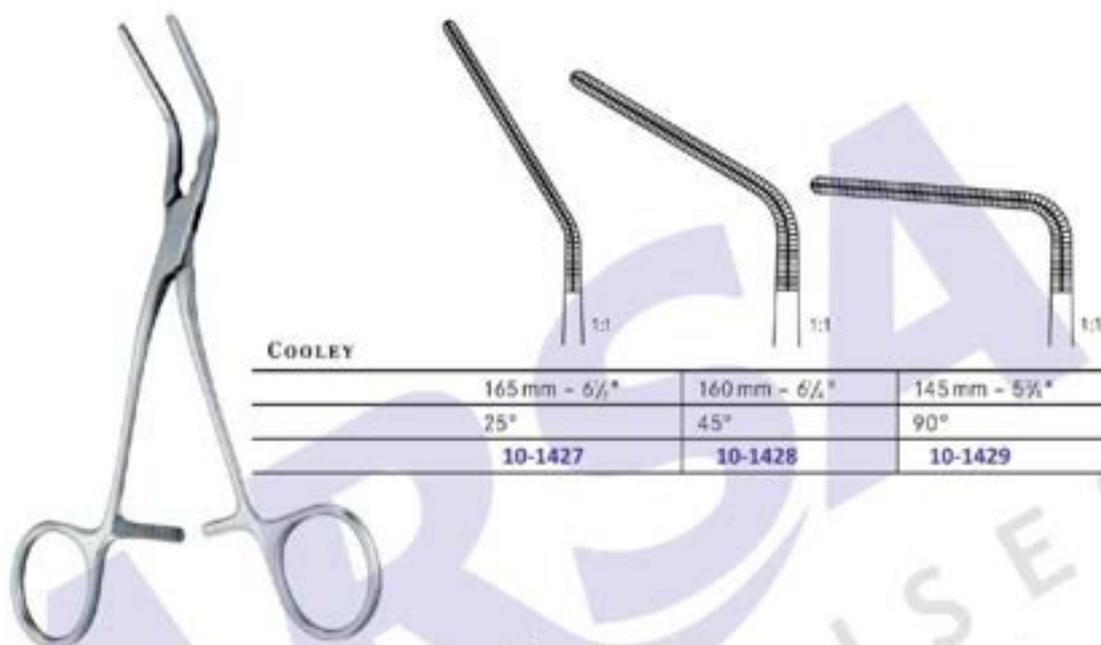
gerade
straight
droite
recta
retta

abgewinkelt
angled on flat
coudé sur le plat
angulado
angolata

VASCULAR FORCEPS



MULTI PURPOSE CLAMPS, PEDIATRIC, GRADUATED



COOLEY		
165 mm - 6 1/2°*	160 mm - 6 1/4°*	145 mm - 5 3/4°*
25°	45°	90°
10-1427	10-1428	10-1429



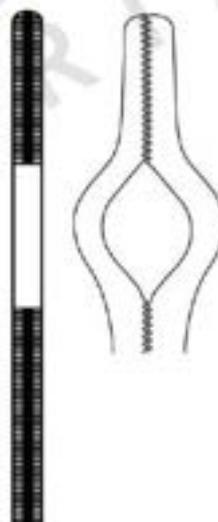
COOLEY		
160 mm - 6 1/8°*	10-1430	10-1435
170 mm - 6 3/8°*	10-1431	10-1436
200 mm - 8°*	10-1432	
210 mm - 8 1/2°*	10-1433	
230 mm - 9°*	10-1434	10-1437

abgewinkelt, graduert
 angled on flat, graduated
 coudée sur le plat, graduée
 angulada, graduada
 angoliata, graduata

MULTI PURPOSE CLAMPS, PEDIATRIC, GRADUATED

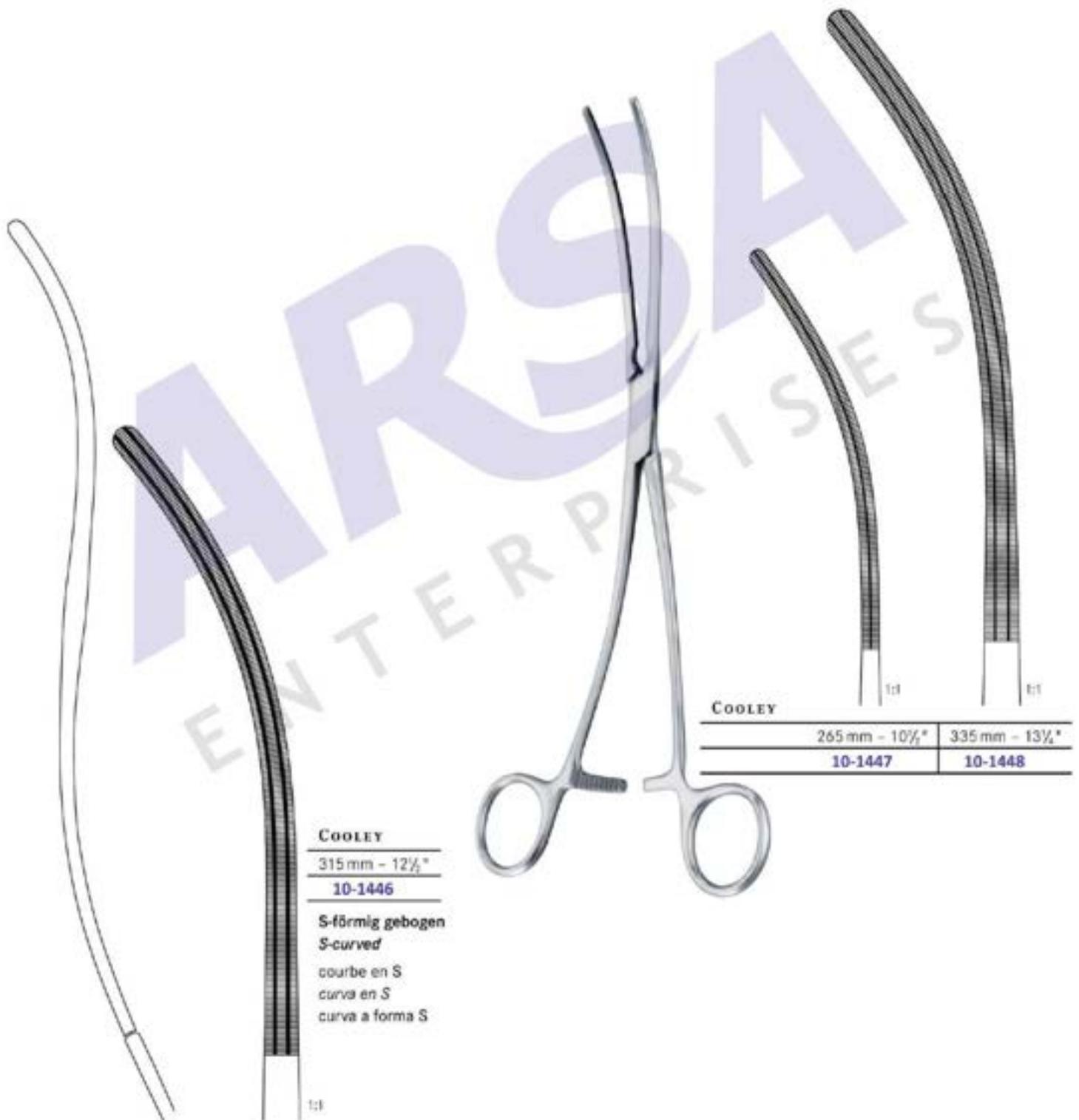


COOLEY		
	200 mm - 8"	195 mm - 7 7/8"
	10-1438	10-1439



COOLEY		
	160 mm - 6 3/8"	200 mm - 8"
x = 24 Charr.	10-1440	-
x = 26 Charr.	10-1441	-
x = 28 Charr.	-	10-1442
x = 30 Charr.	-	10-1443
x = 32 Charr.	-	10-1444
x = 36 Charr.	-	10-1445

MULTI PURPOSE CLAMPS



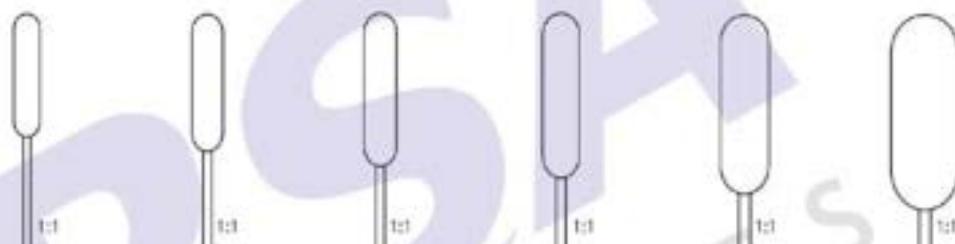
VESICULAR DILATORS



DE BAKAY

	0.5 mm Ø	1.0 mm Ø	1.5 mm Ø	2.0 mm Ø	2.5 mm Ø	3.0 mm Ø
190 mm - 7½°*	10-1449	10-1451	10-1453	10-1455	10-1457	10-1459
350 mm - 13½°*	10-1450	10-1452	10-1454	10-1456	10-1458	10-1460

biegsam
malleable
malléable
maleabile
flessibile



	3.5 mm Ø	4.0 mm Ø	4.5 mm Ø	5.0 mm Ø	7.0 mm Ø	9.0 mm Ø
190 mm - 7½°*	10-1461	10-1463	10-1465	10-1467	10-1469	10-1471
350 mm - 13½°*	10-1462	10-1464	10-1466	10-1468	10-1470	10-1472



COOLEY

	0.5 mm Ø	1.0 mm Ø	1.5 mm Ø	2.0 mm Ø
130 mm - 5°*	10-1473	10-1474	10-1475	10-1476

biegsam
malleable
malléable
maleabile
flessibile



	2.5 mm Ø	3.0 mm Ø	4.0 mm Ø	5.0 mm Ø
130 mm - 5°*	10-1477	10-1478	10-1479	10-1480

11

ARSA
ENTERPRISES

BONE SURGERY



AMPUTATION & RESECTION SAWS



CHARRIÈRE

350 mm - 13 3/4"	12 mm	11-1002
11-1001	15 mm	11-1003

Ersatzsägeblätter
Spare saw blades
Lames de rechange
Hojas de cambio
Lame di ricambio

HELPERICH-BIER

390 mm - 15 3/8"		
11-1004		

3 mm	11-1005
5 mm	11-1006
7 mm	11-1007

Ersatzsägeblätter
Spare saw blades
Lames de rechange
Hojas de cambio
Lame di ricambio

AMPUTATION & RESECTION SAWS



1:2

SATTERLEE

310 mm - 12 1/4"

11-1008



1:2

LANGENBECK

230 mm - 9"

11-1009



CHARRIÈRE

270 mm - 10 3/4"

11-1010

300 mm - 12"

11-1011

340 mm - 13 1/2"

11-1012

RASPS, FILES



PUTTI

270 mm - 10½°	11-1013	
300 mm - 12°		11-1014

280 mm - 11°	245 mm - 9½°	220 mm - 8½°
11-1015	x = 13 mm	x = 20 mm
	11-1016	11-1017

halbrund
semicircular
semi-ronde
semi-redonda
semi-rotonda

halbrund
semicircular
semi-ronde
semi-redonda
semi-rotonda

flach
flat
plate
piana
piatta

MALLETS



DOYEN

	195 mm - 7 7/8"
25 mm Ø - 120 g	11-1018
30 mm Ø - 180 g	11-1019
35 mm Ø - 260 g	11-1020



COLLIN

200 mm - 8"
30 mm Ø - 220 g
11-1021

1:2



HAIK

215 mm - 8 1/2"
27 mm Ø - 140 g
11-1022

1:2



KIRK

190 mm - 7 1/2"
38 mm Ø - 750 g
11-1023

1:2

MALLETS



PARTSCH	
180 mm - 7"	
22 mm Ø - 200 g	
11-1024	



LUCAS	
190 mm - 7 1/2"	
19 mm Ø - 230 g	11-1025
25 mm Ø - 260 g	11-1026

MALLETS



BERGMANN
245 mm - 9 1/2"
45 mm Ø - 300 g
11-1027



OMBREDANNE
240 mm - 9 1/2"
40 mm Ø - 550 g
11-1028



HEATH

40 mm Ø - 700 g	180 mm - 7"	11-1029
45 mm Ø - 1000 g	200 mm - 8"	11-1030

Kupferfüllung
Copper filled head
Rempli de cuivre
Lienado de cobre
Riempito di rame

MALLETS



COTTLE

185 mm - 7 1/4"

30 mm Ø - 240 g

11-1033

1 Seite flach / 1 Seite convex

1 side flat / 1 side convex

1 côté plat / 1 côté convexe

1 lato piano / 1 lato convesso

1 lato piatto / 1 lato convesso

190 mm - 7 1/2"

25 mm Ø - 205 g

11-1031

Massiver Stahl, mit Kunststoffbecken
Solid steel, with plastic faces

Acier solide, avec plaques en plastique

Acero sólido, con placas en plástico

Acciaio massiccio, con punte di plastica

11-1032

Ersatzbecken, 1 Paar

Spare faces, 1 pair

Plaques de rechange, 1 paire

Placas de cambio, 1 par

Punte di ricambio, 1 paio

280 mm - 11"

35 mm Ø - 450 g

11-1034

50 mm Ø - 900 g

11-1035

MALLETS



WILLIGER

	240 mm - 9 1/2"
28 mm Ø - 340 g	11-1036
30 mm Ø - 400 g	11-1037

bleigefüllt
lead filled

rempli de plomb
llenado con plomo
riempito di piombo



WILLIGER

165 mm - 6 1/2"
20 mm Ø - 140 g
11-1038



MEAD

170 mm - 6 3/4"
26 mm Ø - 320 g
11-1039

Stahl massiv, mit Kunststoffbacken
Steel solid, with plastic faces

Acier solid, avec plaques en plastique
Acero solido, con placas en plastica
Acciaio massiccio, con punte di plastica

11-1040

Ersatzbacken, 1 Paar
Spare faces, 1 pair

Plaques de rechange, 1 paire
Placas de cambio, 1 par
Punte di ricambio, 1 paio

MALLETS



225 mm - 8 7/8"

37 mm Ø - 370 g

11-1041

Kopf massiver Stahl, mit Ferrozellbacken

Head solid steel, with Ferrozell faces

Tête acier solid, avec plaques en Ferrozell

Cabeza acero solido, con placas en Ferrozell

Testa acciaio massiccio, con punte di Ferrozell

11-1042

Ersatzbacken, 1 Paar

Spare faces, 1 pair

Plaques de rechange, 1 paire

Placas de cambio, 1 par

Punte di ricambio, 1 paio



240 mm - 9 1/2"

30 mm Ø - 480 g

11-1043

Kopf massiver Stahl, mit Ferrozellstiel

Head solid steel, Ferrozell handle

Tête acier solid, manche en matière Ferrozell

Cabeza acero solido, con mango en Ferrozell

Testa acciaio massiccio, con manico di Ferrozell

MALLETS



	42 mm Ø - 250 g	42 mm Ø - 400 g
260 mm - 10 1/4"	11-1044	11-1045

Ferrozell, ohne Blei	Kunststoff, bleigefüllt
<i>Ferrozell, without lead</i>	<i>Plastic, lead filled</i>
Ferrozell, sans plomb	Matière plastique, rempli de plomb
<i>Ferrozell, sin piombo</i>	<i>Plastico, llenado con plomo</i>
Ferrozell, senza piombo	Plastica, riempito di piombo



	30 mm Ø - 450 g	50 mm Ø - 900 g
265 mm - 10 1/2"	11-1046	11-1047

BONE CHISELS, GOUGES



185 mm - 7 1/4"

11-1048



90 mm - 3 1/2"

11-1053

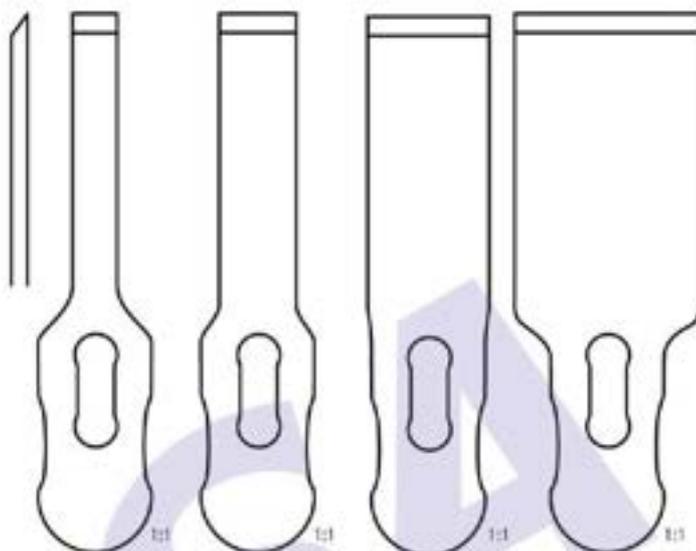
Spannschlüssel

Key

Clé

Llave

Chiave



	5 mm	10 mm	16 mm	25 mm
85 mm - 3 1/4"	11-1049	11-1050	11-1051	11-1052

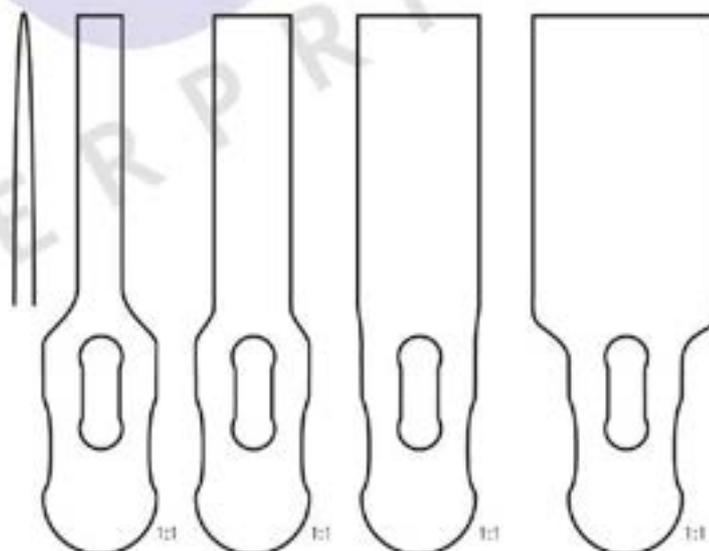
Meißelklingen, auswechselbar

Chisel blades, interchangeable

Lames ciseaux-burin, interchangeables

Hojas de cincel, intercambiables

Lame, intercambiabili



	5 mm	10 mm	16 mm	25 mm
85 mm - 3 1/4"	11-1054	11-1055	11-1056	11-1057

Osteotomklingen, auswechselbar

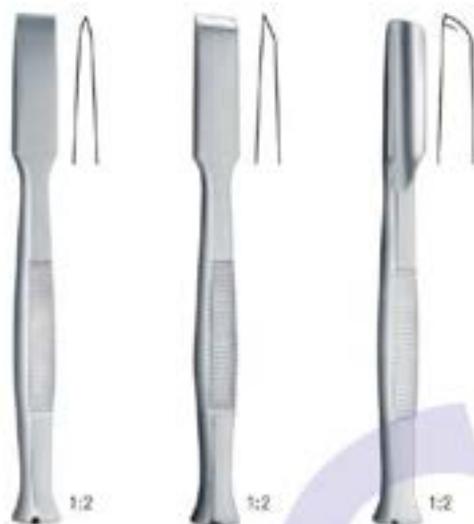
Osteotome blades, interchangeable

Lames d'osteotomos interchangeables

Hojas de osteótomo, intercambiables

Lame per osteotomia, intercambiabili

BONE CHISELS, GOUGES



	135 mm - 5 1/8"	135 mm - 5 1/8"	135 mm - 5 1/8"
8 mm	11-1058	11-1063	11-1068
10 mm	11-1056	11-1064	11-1069
12 mm	11-1060	11-1065	11-1070
14 mm	11-1061	11-1066	11-1071
16 mm	11-1062	11-1067	11-1072



LUCAS

	160 mm - 6 1/4"	160 mm - 6 1/4"
3 mm		11-1075
4 mm	11-1073	11-1076
5 mm		11-1077
6 mm	11-1074	11-1078

Flachmeißel Chisel	Hohlmeißel Gouge
Ciseau burin	Gouge
Cinzel	Gubia
Scalpello	Sgorbi



ALEXANDER

	180 mm - 7"	180 mm - 7"
4 mm	11-1079	11-1085
6 mm	11-1080	11-1086
8 mm	11-1081	11-1087
10 mm	11-1082	11-1088
12 mm	11-1083	11-1089
14 mm	11-1084	11-1090

BONE CHISELS, GOUGES

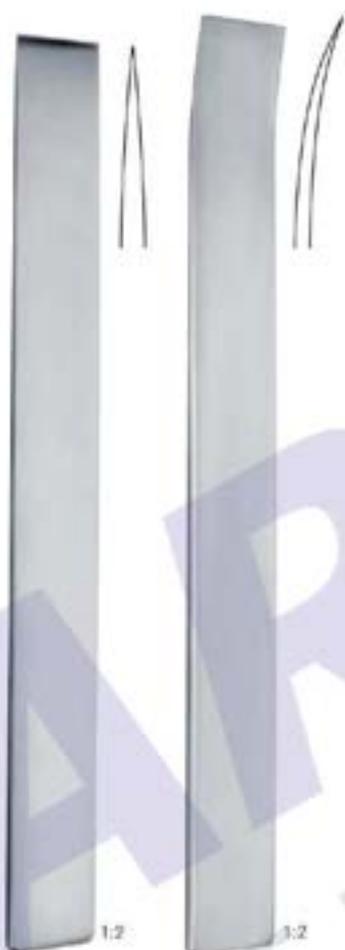


PARTSCH

	115 mm - 4½°	135 mm - 5¼°	170 mm - 6¼°
2 mm	11-1091	11-1098	11-1105
3 mm	11-1092	11-1099	11-1106
4 mm	11-1093	11-1100	11-1107
5 mm	11-1094	11-1101	11-1108
6 mm	11-1095	11-1102	11-1109
7 mm	11-1096	11-1103	11-1110
8 mm	11-1097	11-1104	11-1111

	115 mm - 4½°	135 mm - 5¼°	170 mm - 6¼°
	11-1112	11-1119	11-1126
	11-1113	11-1120	11-1127
	11-1114	11-1121	11-1128
	11-1115	11-1122	11-1129
	11-1116	11-1123	11-1130
	11-1117	11-1124	11-1131
	11-1118	11-1125	11-1132

BONE CHISELS, GOUGES



LAMBOTTE

	250 mm - 9°*	250 mm - 9°*
6 mm	11-1133	11-1144
8 mm	11-1134	11-1145
10 mm	11-1135	11-1146
13 mm	11-1136	11-1147
15 mm	11-1137	11-1148
20 mm	11-1138	11-1149
25 mm	11-1139	11-1150
30 mm	11-1140	11-1151
38 mm	11-1141	11-1152
44 mm	11-1142	11-1153
50 mm	11-1143	11-1154

MINI-LAMBOTTE

	125 mm - 5°*	170 mm - 6°*
3 mm	11-1155	11-1162
4 mm	11-1156	11-1163
6 mm	11-1157	11-1164
8 mm	11-1158	11-1165
10 mm	11-1159	11-1166
12 mm	11-1160	11-1167
15 mm	11-1161	11-1168

BONE CHISELS, GOUGES



LEXER

	220mm - 8 1/2"	300mm - 12"	220mm - 8 1/2"	300mm - 12"
7mm	11-1169	11-1175	11-1181	11-1188
10mm	11-1170	11-1176	11-1182	11-1189
15mm	11-1171	11-1177	11-1183	11-1190
20mm	11-1172	11-1178	11-1184	11-1191
25mm	11-1173	11-1179	11-1185	11-1192
30mm	11-1174	11-1180	11-1187	11-1193

Ferrozellgriff

Ferrozell handle

Manche en Ferrozell

Mango en Ferrozell

Manico di Ferrozell

MINI-LEXER

	180mm - 7"	180mm - 7"
4mm	11-1194	11-1199
6mm	11-1195	11-1200
8mm	11-1196	11-1201
10mm	11-1197	11-1202
12mm	11-1198	11-1203

Ferrozellgriff

Ferrozell handle

Manche en Ferrozell

Mango en Ferrozell

Manico di Ferrozell

BONE CHISELS, GOUGES



STILLE

	200 mm - 8°				
8 mm	11-1204	11-1210	11-1216	11-1222	11-1228
10 mm	11-1205	11-1211	11-1217	11-1223	11-1229
12 mm	11-1206	11-1212	11-1218	11-1224	11-1230
15 mm	11-1207	11-1213	11-1219	11-1225	11-1231
20 mm	11-1208	11-1214	11-1220	11-1226	11-1232
25 mm	11-1209	11-1215	11-1221	11-1227	11-1233

1:2

BONE CHISELS, GOUGES



FREER

	150 mm - 6°	160 mm - 6¼°
6 mm	11-1234	
4 mm		11-1235

Hohlmeißel
Gouge
Gouge
Gubia
Sgorbio

Flachmeißel
Chisel
Ciseau-burin
Cinzel
Scalpello



BALLENGER

	160 mm - 6¼°
4 mm	11-1236
6 mm	11-1237
8 mm	11-1238



**MANNERFELT
MODIF.**

	155 mm - 6°	155 mm - 6°
3 mm		11-1242
4 mm	11-1239	
6 mm	11-1240	
8 mm	11-1241	

Osteotome
Osteotomes
Ostéotomes
Osteótomas
Osteotomi

Hohlmeißel
Gouge
Gouge
Gubia
Sgorbio

CHISELS, OSTEOTOMES FOR RHINOPLASTIC



KILIAN
160 mm - 6 1/4°
5 mm
11-1243



KILIAN-CLAUS
160 mm - 6 1/4°
5 mm
11-1244



COTTLE
150 mm - 6°
7 mm
11-1245
12 mm
11-1246



COTTLE
190 mm - 7 1/2°
4 mm
11-1247
6 mm
11-1248

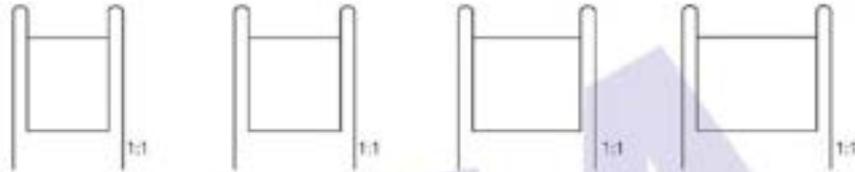


FOMON					
	4 mm	5 mm	6 mm	7 mm	8 mm
170 mm - 6 1/4°	11-1249	11-1250	11-1251	11-1252	11-1253

CHISELS, OSTEOTOMES FOR RHINOPLASTIC



1:2

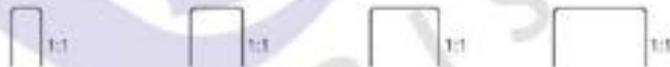


CINELLI

	10 mm	12 mm	14 mm	16 mm
180 mm - 7°	11-1254	11-1255	11-1256	11-1257



1:2



COTTLE

	4 mm	7 mm	9 mm	12 mm
180 mm - 7°	11-1258	11-1259	11-1260	11-1261

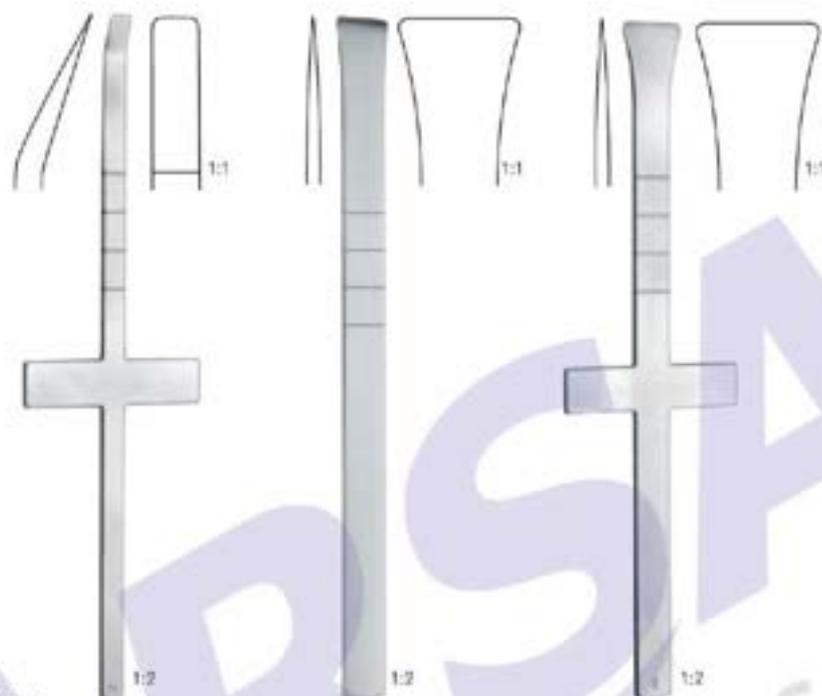


1:2

COTTLE

	4 mm	7 mm	9 mm	12 mm
180 mm - 7°	11-1262	11-1263	11-1264	11-1265

CHISELS, OSTEOTOMES FOR RHINOPLASTIC



COTTLE

	6 mm	16 mm	16 mm
180 mm - 7°	11-1266	11-1267	11-1268



RUBIN

	10 mm	12 mm	14 mm
180 mm - 7°	11-1269	11-1270	11-1271

1:2

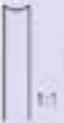
CHISELS, OSTEOTOMES FOR RHINOPLASTIC



COTTLE	 1:1	 1:1	 1:1	 1:1
	200 mm - 8°	4 mm 11-1272	7 mm 11-1273	9 mm 11-1274

1:2



WALTER	 1:1	 1:1
	190 mm - 7½°	3 mm 11-1276

1:2

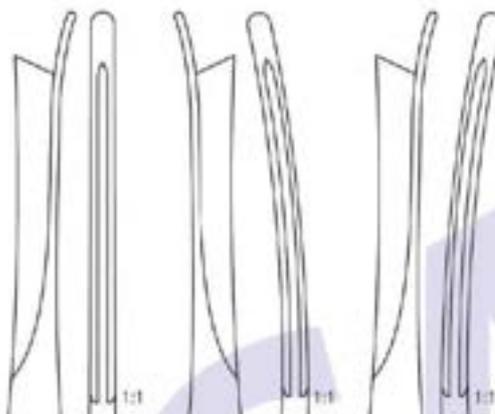


SHEEHAN	 1:1	 1:1	 1:1	 1:1
	160 mm - 6½°	2 mm 11-1278	4 mm 11-1279	6 mm 11-1280

1:2

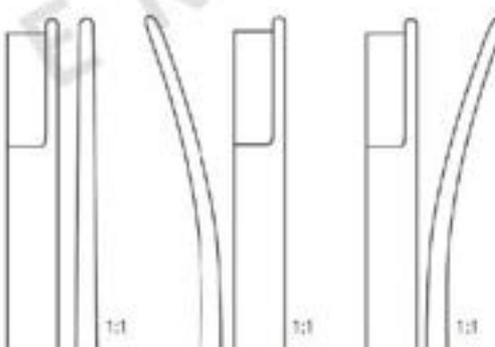
 1:1	 1:1	 1:1	 1:1
10 mm 11-1282	12 mm 11-1283	15 mm 11-1284	18 mm 11-1285

CHISELS, OSTEOTOMES FOR RHINOPLASTIC



SILVER

180 mm - 7"	11-1286	11-1287	11-1288
gerade straight droit recta retta	rechts right droite derecha destra	links left gauche izquierda sinistra	



NEIVERT-ANDERSON

200 mm - 8"	11-1289	11-1290	11-1291
gerade straight droit recta retta	rechts right droite derecha destra	links left gauche izquierda sinistra	

OSTEOTOMES FOR MAXILLO-FACIAL SURGERY



ORWEGESER

235 mm - 9 1/4"

11 mm

11-1292

1:2



ORWEGESER

7 mm

10 mm

215 mm - 8 1/2"

11-1293

11-1294

1:2

1:2

TAMPERS



	 1:1	 1:1	 1:1	 1:1	 1:1	 1:1	 1:1
	2 mm Ø	3 mm Ø	4 mm Ø	5 mm Ø	6 mm Ø	8 mm Ø	10 mm Ø
155 mm - 6"	11-1295	11-1296	11-1297	11-1298	11-1299	11-1300	11-1301



PASSOW	 1:1	 1:1
	Fig. 1	Fig. 2
	2.5 mm x 2.5 mm	3.5 mm x 3.5 mm
120 mm - 4 7/8"	11-1302	11-1303



CASPAR	 1:1	 1:1	 1:1
	3 mm Ø	5 mm Ø	8 mm Ø
200 mm - 8"	11-1304	11-1305	11-1306



	 1:1	 1:1	 1:1
	12 mm Ø	14 mm Ø	16 mm Ø
200 mm - 8"	11-1307	11-1308	11-1309

BONE CURVETTES



VOLKMANN	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00	Fig. 0	Fig. 1
170 mm - 6 3/8"*	11-1310	11-1311	11-1312	11-1313	11-1314

 1:1	 1:1	 1:1	 1:1	 1:1
Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
11-1315	11-1316	11-1317	11-1318	11-1319



SCHREDL	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2
170 mm - 6 3/8"*	11-1320	11-1321	11-1322	11-1323	11-1324

 1:1	 1:1
Fig. 3	Fig. 4
11-1325	11-1326

BONE CURVETTES



SPRATT			
	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00
170mm - 6%*	11-1327	11-1328	11-1329

 1:1	 1:1	 1:1
Fig. 0	Fig. 1	Fig. 2
11-1330	11-1331	11-1332

 1:1	 1:1	 1:1
Fig. 3	Fig. 4	Fig. 5
11-1333	11-1334	11-1335



BRUNS			
	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0
160mm - 6%*	11-1336	11-1337	11-1338

 1:1	 1:1	 1:1
Fig. 1	Fig. 2	Fig. 3
11-1339	11-1340	11-1341

 1:1	 1:1	 1:1
Fig. 4	Fig. 5	Fig. 6
11-1342	11-1343	11-1344

BONE CURUTTES



VOLKMANN	 1:1	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2
185 mm - 7 1/4"	11-1345	11-1346	11-1347	11-1348	11-1349	11-1350

oval, mit Kunststoffgriff
 oval, with plastic handle
 ovale, avec manche en matière plastique
 ovalada, con mango plástico
 ovale, con manico in plastica

 1:1	 1:1	 1:1	 1:1
Fig. 3	Fig. 4	Fig. 5	Fig. 6
190 mm - 7 1/2"	11-1351	11-1352	11-1353
			11-1354

 1:1	 1:1	 1:1	 1:1	 1:1
Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4
275 mm - 10 3/4"	11-1355	11-1356	11-1357	11-1358
				11-1359

BONE CURUTTES



BRUNS	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00	Fig. 0	Fig. 1
230 mm - 9°	11-1360	11-1361	11-1362	11-1363	11-1364

gerade
straight
droit
recta
retto

BRUNS	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
230 mm - 9°	11-1365	11-1366	11-1367	11-1368	11-1369

gerade
straight
droit
recta
retto

1:2

BRUNS	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00	Fig. 0	Fig. 1
230 mm - 9°	11-1370	11-1371	11-1372	11-1373	11-1374

gebogen
curved
courbe
curva
curvo

BRUNS	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
230 mm - 9°	11-1375	11-1376	11-1377	11-1378	11-1379

gebogen
curved
courbe
curva
curvo

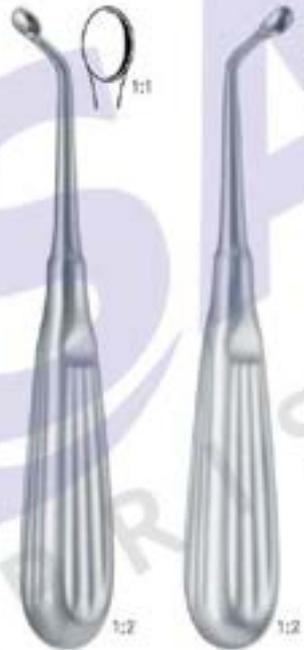
BONE CURUTTES



HALLE

	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3
210 mm - 8 1/4"	11-1380	11-1381	11-1382

flexibel
flexible
flexible
flexible
flessibile



UFFENORDE

	Fig. 1	Fig. 2
170 mm - 6 3/4"	11-1383	11-1384



BRUNS

	 1:1	 1:1	 1:1	 1:1
	Fig. 00	Fig. 0	Fig. 1	Fig. 2
230 mm - 9"	11-1385	11-1386	11-1387	11-1388

massiv
solid
solide
macizo
massiccio

 1:1	 1:1	 1:1	 1:1
Fig. 3	Fig. 4	Fig. 5	Fig. 6
11-1389	11-1390	11-1391	11-1392

BONE CURUTTES



SCHROEDER



	Fig. 1	Fig. 2	Fig. 3
300 mm - 12°	11-1393	11-1394	11-1395

scharf / fest
sharp / rigid

tranchante / rigide
cortante / rigida
tagliente / rigido



	Fig. 4	Fig. 5	Fig. 6
	11-1396	11-1397	11-1398

SIMON



	Fig. 0000	Fig. 000	Fig. 00	Fig. 0
240 mm - 9 1/2°	11-1399	11-1400	11-1401	11-1402

scharf / fest
sharp / rigid

tranchante / rigide
cortante / rigida
tagliente / rigido

SIMON



	Fig. 1	Fig. 2	Fig. 3
250 mm - 9 1/2°	11-1403	11-1404	11-1405

scharf / fest
sharp / rigid

tranchante / rigide
cortante / rigida
tagliente / rigido



	Fig. 4	Fig. 5	Fig. 6
	11-1406	11-1407	11-1408

BONE CURUTTES



	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0
200 mm - 8°	11-1409	11-1410	11-1411
gerade straight droit recta retto	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3
	11-1412	11-1413	11-1414
	 1:1	 1:1	 1:1
	Fig. 4	Fig. 5	Fig. 6
	11-1415	11-1416	11-1417



	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0
200 mm - 8°	11-1418	11-1419	11-1420
gebogen curved courbe curva curvo	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3
	11-1421	11-1422	11-1423
	 1:1	 1:1	 1:1
	Fig. 4	Fig. 5	Fig. 6
	11-1424	11-1425	11-1426

BONE CURUTTES



	 1:1	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0	Fig. 1
	3,6 mm	4,4 mm	5,2 mm	6,8 mm
250 mm - 9 1/2"	11-1427	11-1428	11-1429	11-1430

gerade
straight
droit
recta
retto



	 1:1	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00	Fig. 0
	2,8 mm	3,6 mm	4,4 mm	5,2 mm
200 mm - 8"	11-1431	11-1432	11-1433	11-1434

1:2

BONE CURUTTES



SCOVILLE	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3
250 mm - 9 1/2"*	11-1435	11-1436	11-1437

oval
oval
ovale
ovale
ovale

1:2



LEMPERT	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 00000	Fig. 0000	Fig. 000	Fig. 00	Fig. 0
	1.8 mm	2.0 mm	2.4 mm	2.6 mm	2.8 mm
215 mm - 8 1/2"*	11-1438	11-1439	11-1440	11-1441	11-1442

1:2

BONE CURUTTES, DOUBLE ENDED



VOLKMANN

130 mm - 5"	11-1443	11-1446
140 mm - 5 1/2"	11-1444	
160 mm - 6 1/4"		11-1447
170 mm - 6 3/4"	11-1445	
200 mm - 8"		11-1448

oval / oval
 oval / oval
 ovale / ovale
 ovalada / ovalada
 ovale / ovale

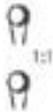
rund / oval
 round / oval
 ronde / ovale
 redonda / ovalada
 rotondo / ovale

210 mm - 8 1/4"	11-1449
-----------------	----------------

rund / oval
 round / oval
 ronde / ovale
 redonda / ovalada
 rotondo / ovale

BONE CURVETTES, DOUBLE ENDED



			
MARTINI			
	Fig. 00	Fig. 0	Fig. 1
	Fig. 0	Fig. 1	Fig. 2
135 mm - 5/8"	11-1450	11-1451	11-1452

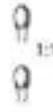


			
MARTINI			
	Fig. 00	Fig. 0	Fig. 1
	Fig. 00	Fig. 0	Fig. 1
155 mm - 6"	11-1453	11-1454	11-1455

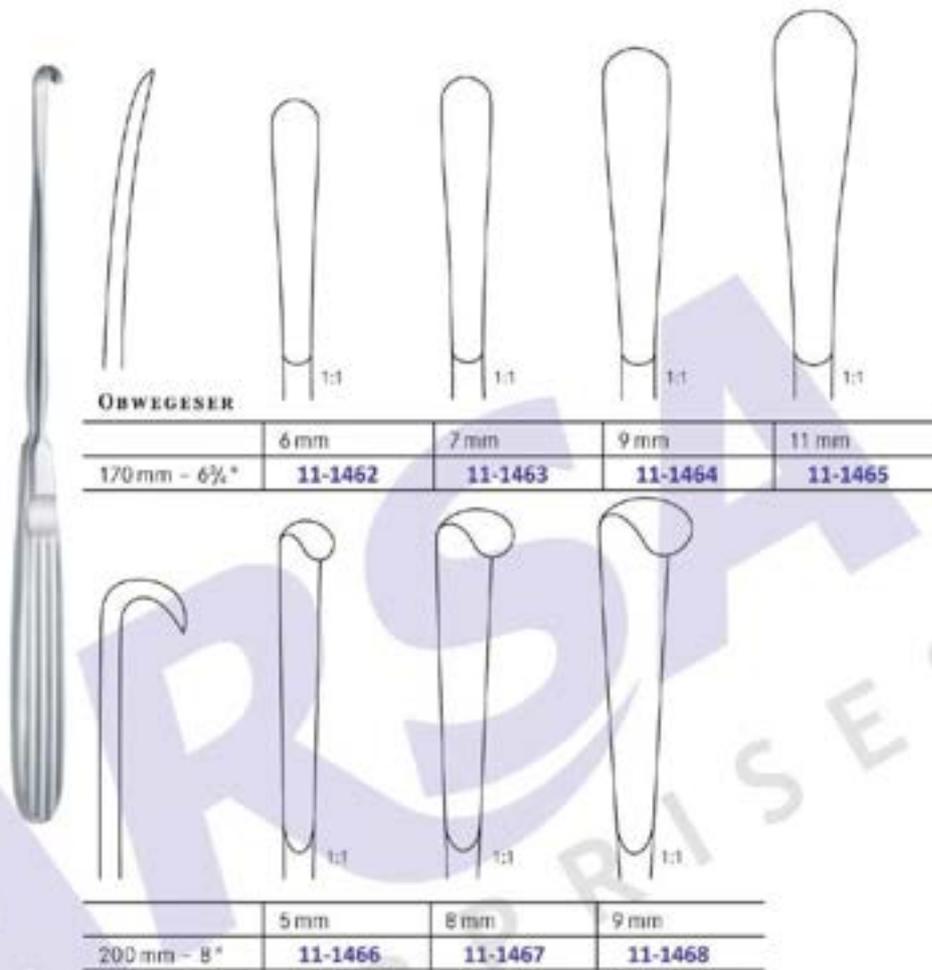


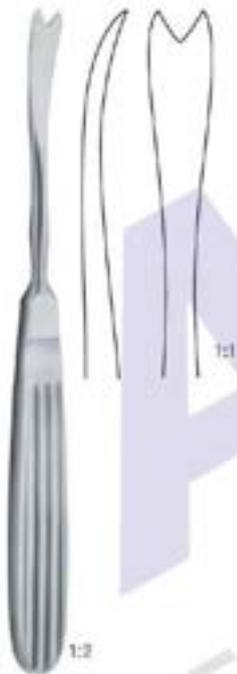
			
WILLIGER			
	Fig. 00	Fig. 0	Fig. 1
	Fig. 0	Fig. 1	Fig. 2
135 mm - 5/8"	11-1456	11-1457	11-1458



			
WILLIGER			
	Fig. 00	Fig. 0	Fig. 1
	Fig. 00	Fig. 0	Fig. 1
155 mm - 6"	11-1459	11-1460	11-1461

PERIOSTEAL ELEVATORS FOR MAXILLO-FACIAL SURGERY





OBWEGESER

175 mm - 7"

11-1471



OBWEGESER

230 mm - 9"

11-1472



OBWEGESER

180 mm - 7"

11-1473



OBWEGESER

140 mm - 5½"

11-1474

PERIOSTEAL RASPATORIES - ELEVATORS



DOYEN

170 mm - 6 3/4"*

1:1

1:1

links
left
gauche
izquierda
sinistra

für Erwachsene
for adults
pour adultes
para adultos
per adulti

für Kinder
for children
pour enfants
para niños
per bambini

1:2



DOYEN

170 mm - 6 3/4"*

1:1

1:1

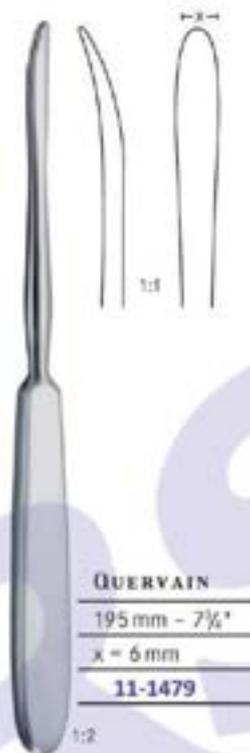
rechts
right
droite
derecha
destra

für Erwachsene
for adults
pour adultes
para adultos
per adulti

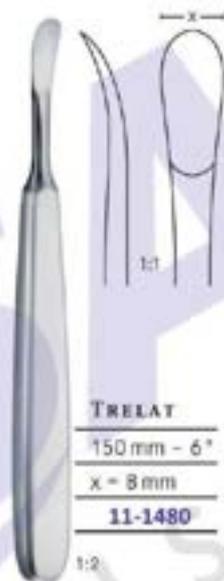
für Kinder
for children
pour enfants
para niños
per bambini

1:2

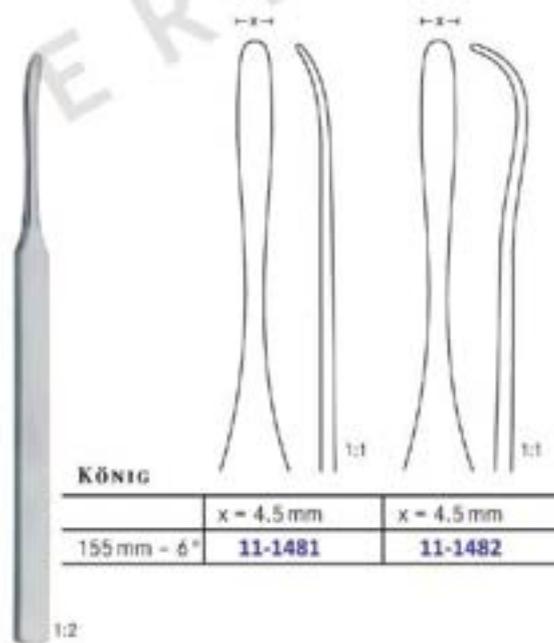
PERIOSTEAL RASPATORIES - ELEVATORS



QUERVAIN
195 mm - 7½°
x = 6 mm
11-1479



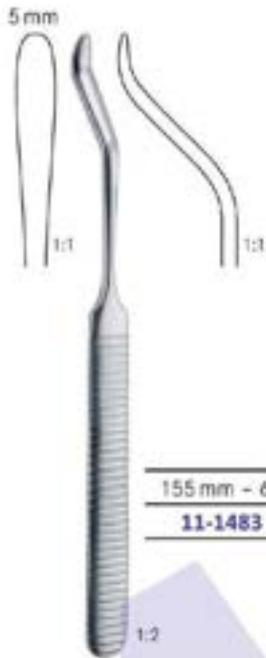
TRELAT
150 mm - 6°
x = 8 mm
11-1480



KÖNIG

	x = 4.5 mm	x = 4.5 mm
155 mm - 6°	11-1481	11-1482

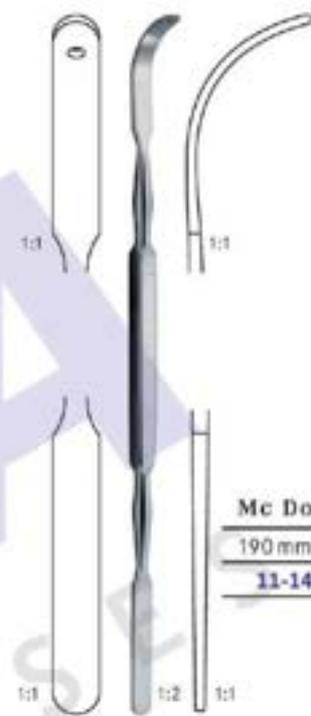
PERIOSTEAL RASPATORIES - ELEVATORS



5 mm
1:1
1:1
155 mm - 6°
11-1483



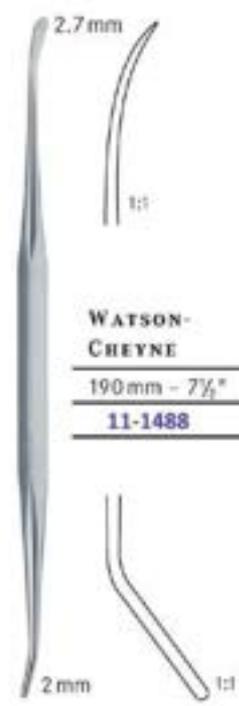
ALDERDYCE
210 mm - 8 1/2°
11-1484



Mc DONALD
190 mm - 7 1/2°
11-1485

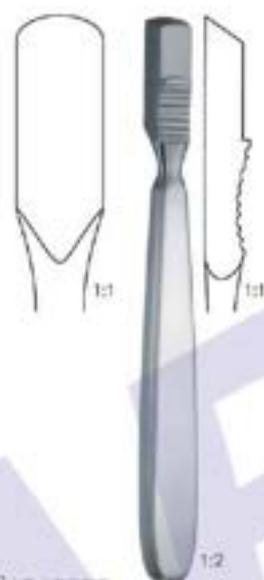


SEDILLOT
185 mm - 7 1/2° | **11-1486**
210 mm - 8 1/2° | **11-1487**



WATSON-CHEYNE
190 mm - 7 1/2°
11-1488

PERIOSTEAL RASPATORIES - ELEVATORS



FARABEUF

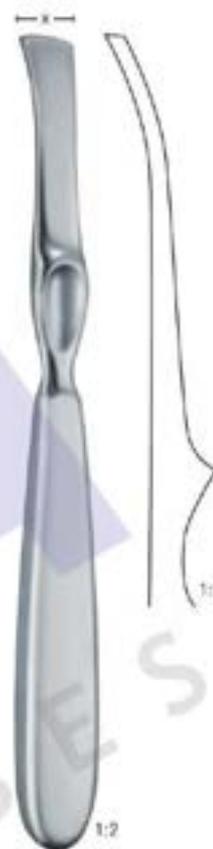
150 mm - 6°

11-1489

11-1490

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo



LAMBOTTE

210 mm - 8 1/2°

x = 5 mm	11-1491
x = 10 mm	11-1492
x = 15 mm	11-1493
x = 20 mm	11-1494
x = 25 mm	11-1495



ADSON

170 mm - 6 1/2°

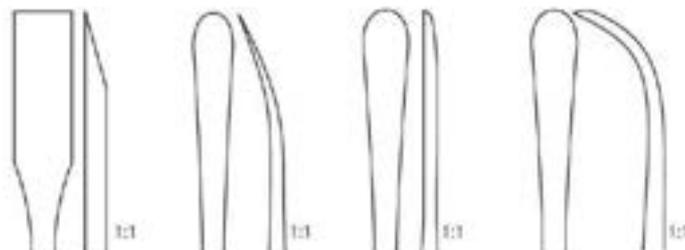


	Fig. 1	Fig. 2	Fig. 3	Fig. 4
	11-1496	11-1497	11-1498	11-1499

PERIOSTEAL RASPATORIES - ELEVATORS



WILLIGER	
	x = 5 mm
130 mm - 5°	11-1500



WILLIGER	
	160 mm - 6 1/4°
x = 4 mm	11-1501
x = 6 mm	11-1502



WILLIGER		
	x = 5 mm	x = 6.5 mm
160 mm - 6 1/4°	11-1503	11-1504



FARABEUF-COLLIN	
	x = 11 mm
160 mm - 6 1/4°	11-1505



PERIOSTEAL RASPATORIES - ELEVATORS



ORWEGESER

	2.5 mm	4 mm
150 mm - 6°	11-1507	11-1508



ORWEGESER

185 mm - 7 1/2°	11-1509
-----------------	----------------



ORWEGESER

185 mm - 7 1/2°	11-1510
-----------------	----------------

PERIOSTEAL RASPATORIES - ELEVATORS



SEMB	175 mm - 7*	210 mm - 8½*	175 mm - 7*	210 mm - 8½*	225 mm - 8½*	220 mm - 8½*
	12 mm	12 mm	13 mm	13 mm	13 mm	15 mm
	11-1511	11-1512	11-1513	11-1514	11-1515	11-1516

PERIOSTEAL RASPATORIES - ELEVATORS



HOWARTH

215 mm - 8½"

11-1517

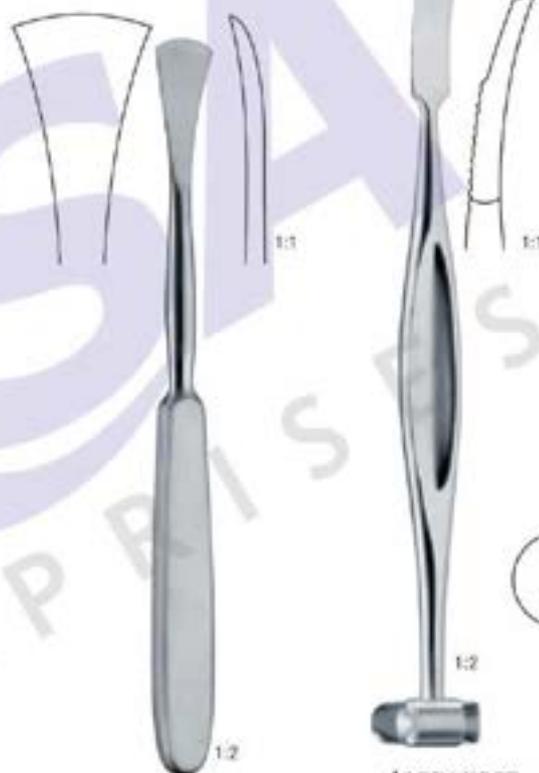
scharf / stumpf
sharp / blunt
pointu / mousse
aguda / roma
acuta / smussa



**LANGEN-
BECK**

180 mm - 7"

11-1518



ALEXANDER

200 mm - 8"

11-1520

PERIOSTEAL RASPATORIES - ELEVATORS



LANGENBECK

	x = 8 mm	x = 10 mm
200 mm - 8°	11-1521	11-1522



SEBILLEAU

	x = 5 mm
175 mm - 7°	11-1523



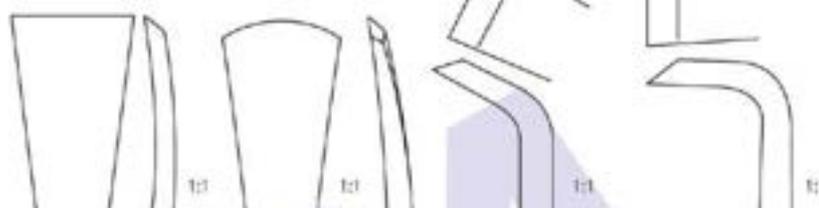
175 mm - 7°	11-1524
-------------	----------------

extrem leicht
extremely light
 extrêmement léger
 estremamente ligero
 estremamente leggera

PERIOSTEAL RASPATORIES - ELEVATORS



1:2

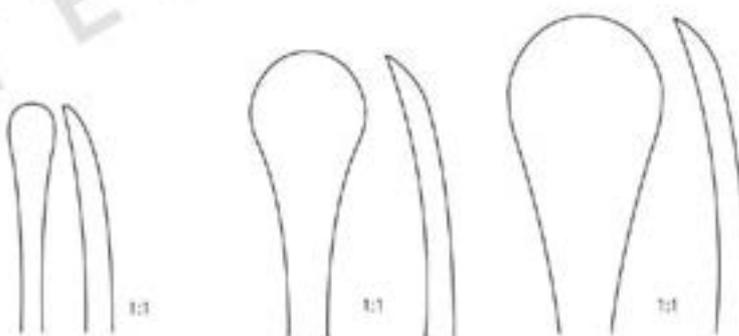


MARTIN-LANGENBECK

190 mm - 7½"	11-1525	11-1526	11-1527	11-1528
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1:2



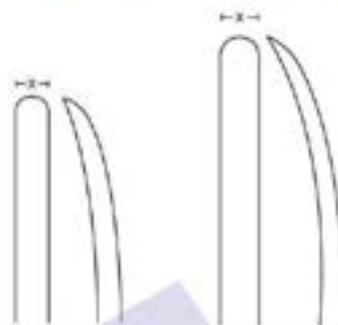
MARTIN-HOEN

160 mm - 6¼"	11-1529		
185 mm - 7¼"		11-1530	
190 mm - 7½"			11-1531

PERIOSTEAL RASPATORIES - ELEVATORS

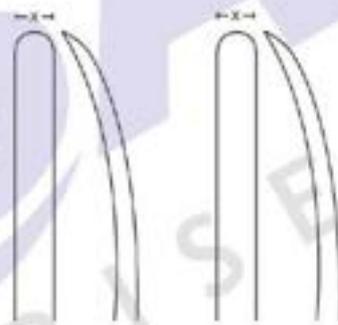


1:2



MARTIN-CUSHING

	x = 4 mm	x = 5 mm
175 mm - 7*	11-1532	11-1533



MARTIN-CUSHING

	x = 6 mm	x = 7 mm
195 mm - 7¼*	11-1533	11-1534



MARTIN-CUSHING

	x = 8 mm
170 mm - 6¼*	11-1535

PERIOSTEAL RASPATORIES - ELEVATORS



COBB

	280 mm - 11"
x = 10 mm	11-1548
x = 13 mm	11-1549
x = 19 mm	11-1550
x = 25 mm	11-1551
x = 32 mm	11-1552

COBB

	290 mm - 11½"	290 mm - 11½"
x = 10 mm	11-1536	11-1542
x = 13 mm	11-1537	11-1543
x = 19 mm	11-1538	11-1544
x = 25 mm	11-1539	11-1545
x = 32 mm	11-1540	11-1546
x = 38 mm	11-1541	11-1547

Wirbelsäulen-Raspatorium

Spinal raspatory

Rugine vertebrale

Raspatorio vertebral

Periostotomo vertebrale

Aluminium Griff

Aluminium handle

manche d'Aluminium

mango de aluminio

manico i alluminio

Stahl

Steel

Acier

Accro

Acciaio

PERIOSTEAL RASPATORIES - ELEVATORS



KEY

180 mm - 7° x = 6 mm	190 mm - 7 1/2° x = 10 mm	190 mm - 7 1/2° x = 12 mm
11-1553	11-1554	11-1555

200 mm - 8° x = 19 mm	210 mm - 8 1/4° x = 25 mm
11-1556	11-1557

PERIOSTEAL RASPATORIES

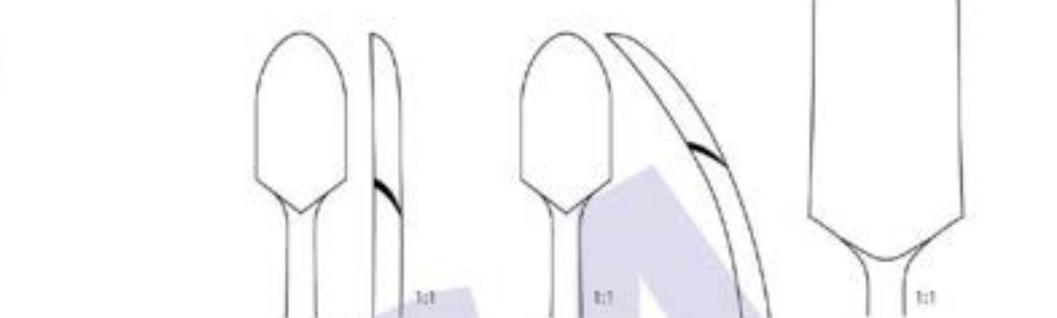


	Fig. 1	Fig. 2	Fig. 3
	14 mm	14 mm	20 mm
200 mm - 8°	11-1558	11-1559	11-1560

Ferrozellgriff	gerade	gebogen	gerade
Ferrozell handle	straight	curved	straight
Manche en Ferrozell	droit	courbe	droit
Mango en Ferrozell	recta	curva	recta
Manico di Ferrozell	rette	curve	rette

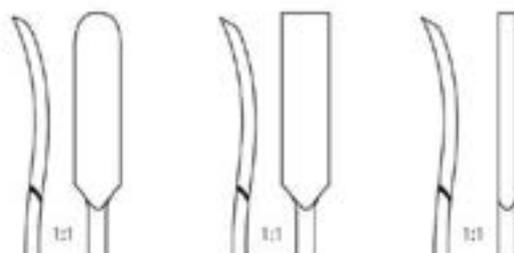


	Fig. 1	Fig. 2	Fig. 3
	6 mm	6 mm	3 mm
180 mm - 7°	11-1561	11-1562	11-1563

Ferrozellgriff			
Ferrozell handle			
Manche en Ferrozell			
Mango en Ferrozell			
Manico di Ferrozell			

BONE LEVERS



HOHMANN

220 mm - 8½"	240 mm - 9½"	240 mm - 9½"	240 mm - 9½"
x = 8 mm	x = 18 mm	x = 43 mm	x = 70 mm
11-1564	11-1565	11-1566	11-1567

BONE LEVERS



HOHMANN

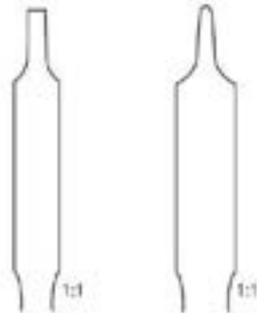
245 mm - 9 $\frac{1}{2}$ "*	260 mm - 10 $\frac{1}{4}$ "*	280 mm - 11"	265 mm - 10 $\frac{1}{2}$ "*	260 mm - 10 $\frac{1}{4}$ "*
x = 43 mm	x = 22 mm	x = 33 mm	x = 24 mm	x = 22 mm
11-1568	11-1569	11-1570	11-1571	11-1572

BONE LEVERS

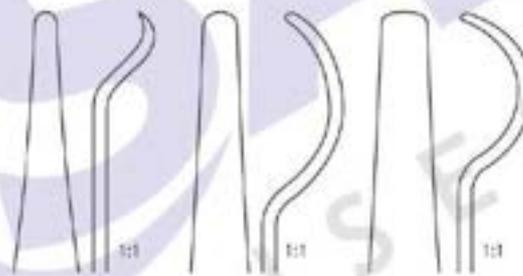


MINI-HOHMANN

	6 mm	8 mm
160 mm - 6 1/4°	11-1573	11-1574



	2.8 mm	4.5 mm	6 mm
140 mm - 5 1/2°	11-1575	11-1576	11-1577



BRISTOW

230 mm - 9°	11-1578
-------------	----------------



LANE

210 mm - 8 1/4°	11-1579
-----------------	----------------

BONE LEVERS



	x = 15 mm
150 mm - 6°	11-1580



	x = 16 mm
160 mm - 6 1/4°	11-1581



	x = 15 mm
160 mm - 6 1/4°	11-1582



SHOULDER	
32 x 81 mm	11-1583
38 x 81 mm	11-1584

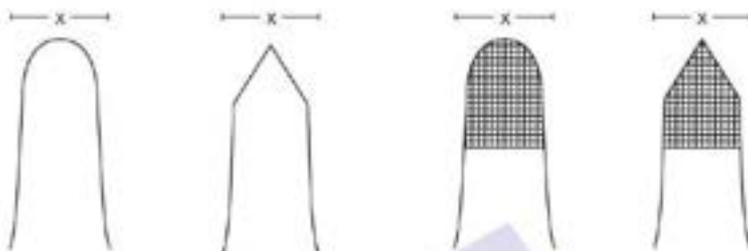


FUKUDA	
x = 32 mm	11-1585
x = 40 mm	11-1586

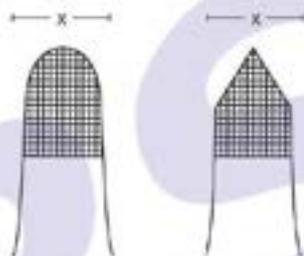


FUKUDA	
x = 35 mm	11-1587

BONE LEVERS



COBRA				
	x = 32 mm			
260 mm - 10 1/4"	11-1588	11-1589	11-1590	11-1591



COBRA		
	x = 44 mm	x = 44 mm
266 mm - 10 1/2"	11-1592	11-1593

CHANDLER

	180 mm - 7"	200 mm - 8"	230 mm - 9"	250 mm - 9 1/2"
x = 13 mm	11-1594			
x = 19 mm		11-1595		
x = 25 mm			11-1596	
x = 32 mm				11-1597



BONE LEVERS



BENNETT

	240 mm - 9 1/2"
x=43 mm	11-1598
x=60 mm	11-1599

1:2

← 30 mm →



MURPHY-LANE

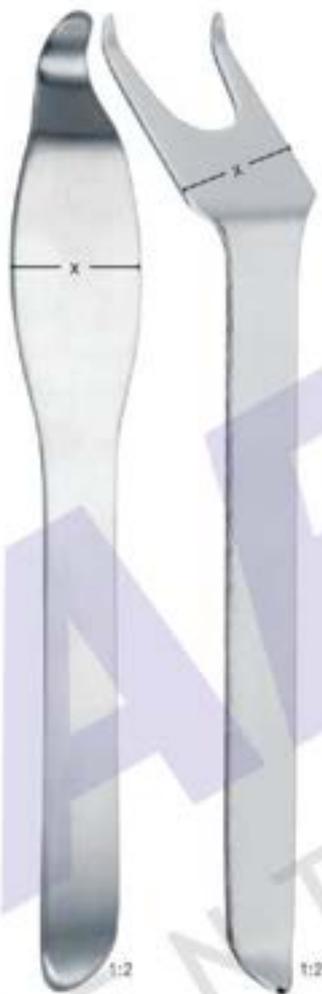
	300 mm - 12"
	11-1600

Luxationshebel
Luxation lever
Levier de luxation
Palanca de luxación
Leva per luxazione

1:2

← 18 mm →

BONE LEVERS



BLOUNT

	260 mm - 10 1/2°	260 mm - 10 1/2°
	x = 38 mm	x = 42 mm
	11-1601	11-1602



LANGE-HOHMANN MOD.

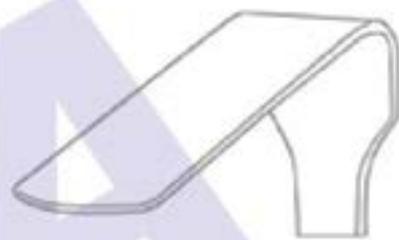
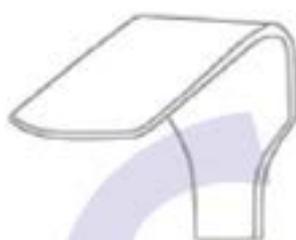
	265 mm - 10 1/2°	280 mm - 11°
	x = 30 mm	x = 33 mm
	11-1603	11-1604

BONE LEVERS



SMILE

x	y		
19 mm	32 mm	11-1605	
19 mm	45 mm		11-1606



SMILE

x	y		
19 mm	60 mm	11-1607	
13 mm	15 mm		11-1608



SMILE

x	y		
13 mm	55 mm	11-1609	



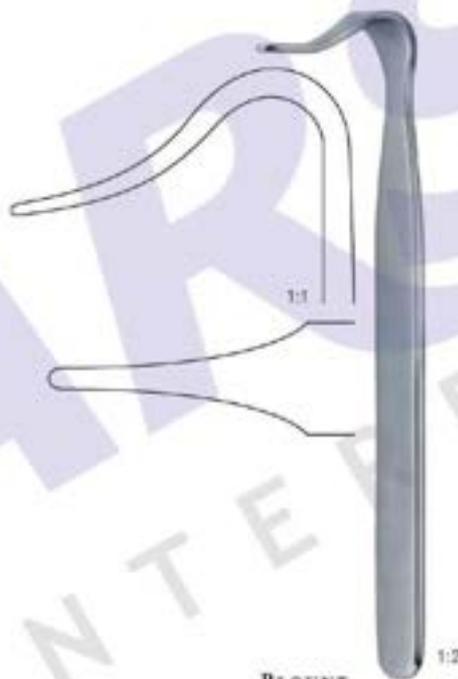
BONE LEVERS



**HOHMANN-
WILLIGER**

160 mm - 6 1/4"

11-1610



BLOUNT

175 mm - 7"

11-1611



TAYLOR

165 mm - 6 1/2"

a = 75 mm - b = 30 mm

11-1612

a = 100 mm - b = 30 mm

11-1613

MENISCOTOMY KNIVES



BIRCHER

190 mm - 7 1/2"	11-1614
-----------------	----------------



SMILLIE

170 mm - 6 3/4"	11-1615	11-1616	11-1617
-----------------	----------------	----------------	----------------



TENDON STRIPPERS



			
	4.0 mm Ø	4.5 mm Ø	5.5 mm Ø
230 mm - 9°	11-1618	11-1619	11-1620

Schaft biegsam
Malleable shaft
Tige malléable
Tija maleable
Asta malleabile



BUNNELL			
	Fig. 1	Fig. 2	Fig. 3
150 mm - 6°	11-1621	11-1622	11-1623

	
Fig. 4	Fig. 5
11-1624	11-1625

TENDON STRIPPERS



FISCHER

310 mm - 12 1/4"

11-1626



BUNNELL

230 mm - 9"

11-1627

Sehnedurchzugs-
sonde
Tendon passer

Sonde conductrice pour tendons
Sonda conductora de tendones
Sonda conduttrice per tendini



**KLEINERT-
KUTZ**

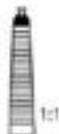
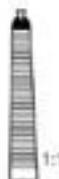
200 mm - 8"

20 mm Ø

11-1628

TENDON HOLDING FORCEPS

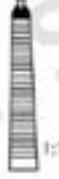


			
BRAND			
	150 mm - 6"	190 mm - 7 1/2"	240 mm - 9 1/2"
	11-1629	11-1630	11-1631

gerade
straight
droite
recta
retta

		
BRAND		
	150 mm - 6"	185 mm - 7 1/4"
	11-1632	11-1633

gebogen
curved
courbe
curva
curva

			
BRAND			
	150 mm - 6"	190 mm - 7 1/2"	240 mm - 9 1/2"
	11-1634	11-1635	11-1636

gerade, mit Sperre
straight, with ratchet
droite, avec crémaillère
recta, con cierre
retta, con cremagliera



130 mm - 5"
11-1637



		
	150 mm - 6"	
	11-1638	11-1639

BONE RONGEURS



LUER	Fig. 1	Fig. 2
150 mm - 6"	11-1640	11-1641



LUER	Fig. 1	Fig. 2
170 mm - 6 1/2"	11-1642	11-1643



MINI-FRIEDMANN
120 mm - 4 1/2"
11-1644



FRIEDMANN
140 mm - 5 1/2"
11-1645



BONE RONGEURS



BLUMENTHAL	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3
155 mm - 6°	11-1646	11-1647	11-1648



JANSEN	 1:1	 1:1
	Fig. 1	Fig. 2
180 mm - 7°	11-1649	11-1650

BONE RONGEURS



JANSEN
190mm - 7 1/2"
11-1651



ADSON
200mm - 8"
11-1652



BACON
210mm - 8 1/4"
11-1653

BONE RONGEURS



LEMPERT

190 mm - 7 1/2"



1:1



1:1

11-1654

11-1655



STELLBRINK

175 mm - 7"



1:1



1:1

11-1656

11-1657

leicht gebogen
slightly curved

légèrement courbe
ligeramente curvada
legermente curvata

stark gebogen
strongly curved

très courbe
fuertemente curvada
fortemente curvata

BONE RONGEURS



OLIVECRONA

205 mm - 8"

11-1658



HARTMANN

175 mm - 7"

11-1659

BONE RONGEURS



MEAD

165 mm - 6 $\frac{1}{2}$ "

11-1660



CLEVELAND

170 mm - 6 $\frac{3}{4}$ "

11-1661



CLEVELAND

140 mm - 5 $\frac{1}{2}$ "

11-1662

BONE RONGEURS



BÖHLER

150 mm - 6°

11-1663

11-1664



ZAUFAL-JANSEN

180 mm - 7°

11-1665



MARQUARDT

200 mm - 8°

11-1666

BONE RONGEURS



BEYER

180 mm - 7°

11-1667



RUSKIN

180 mm - 7°

11-1668

11-1669



MAYFIELD

175 mm - 7°

11-1670

BONE RONGEURS



**STILLÉ-
RUSKIN**

230 mm - 9"



1:1



1:1

11-1671

11-1672



STILLÉ

230 mm - 9"



1:1



1:1



1:1

4 mm

6 mm

8 mm

11-1673

11-1674

11-1675

BONE RONGEURS



LEKSELL	 1:1	 1:1	 1:1	 1:1
	240 mm - 9 1/2"	2 mm 11-1676	3 mm 11-1677	4 mm 11-1678

 1:1	 1:1
6 mm 11-1680	8 mm 11-1681

BONE RONGEURS



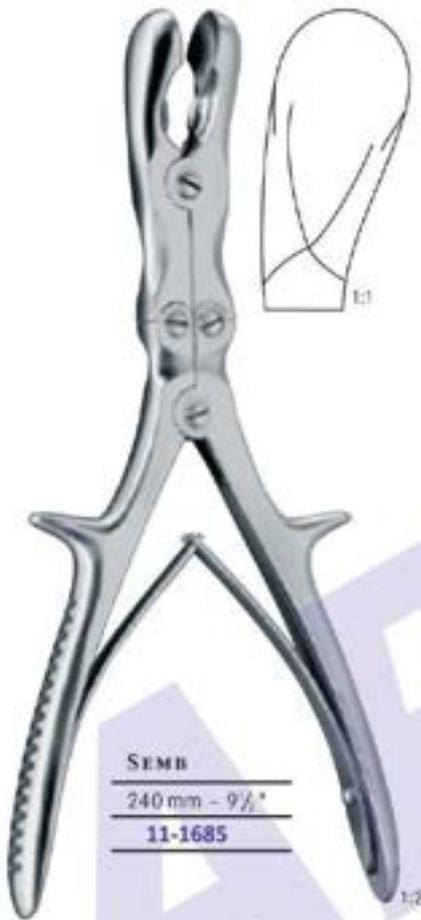
ECHLIN	 1:1	 1:1
230 mm - 9"	11-1682	11-1683



 1:1
FRYKHOLM
240 mm - 9½"
11-1684

ARSA
ENTERPRISES

BONE RONGEURS



SEMB
240 mm - 9 1/2"
11-1685



RÖTTGEN-RUSKIN
230 mm - 9"
11-1686

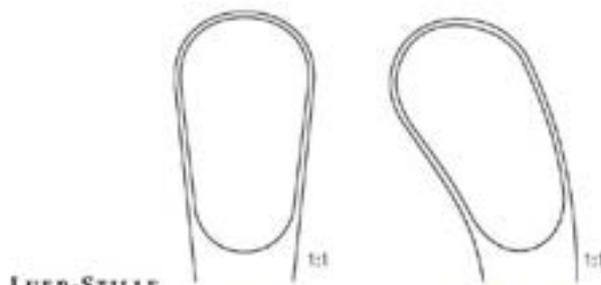


STILLE-LUEN
220 mm - 8 1/2" **11-1687** **11-1688**

BONE RONGEURS



SAUERBRUCH		
	Fig. 1	Fig. 2
300 mm - 12°	11-1689	11-1690



LUER-STILLE		
270 mm - 10%*	11-1691	11-1692



BONE CUTTING FORCEPS



**COTTLE-
KAZANIAN**

190 mm - 7½°

11-1693



LISTON

140 mm - 5½°	11-1694	11-1698
170 mm - 6¾°	11-1695	11-1699
190 mm - 7½°	11-1696	11-1700
220 mm - 8¾°	11-1697	11-1701

BONE CUTTING FORCEPS



BÖHLER

150 mm - 6"



1:1



1:1

11-1702

11-1703



**RUSKIN-
LISTON**

185 mm - 7 1/4"



1:1



1:1

11-1704

11-1705



**STILLE-
LISTON**

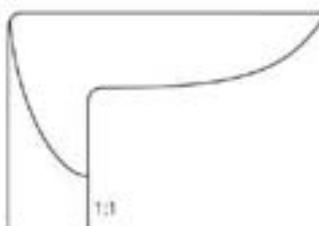
270 mm - 10 3/4"



1:1



1:1



1:1

11-1706

11-1707

11-1708

BONE CUTTING FORCEPS



BONE HOLDING CLAMPS-BONE HOLDING FORCEPS



GERSTER-LOWMANN

180 mm - 7°	x= 28 mm	11-1711
200 mm - 8°	x= 35 mm	11-1712
220 mm - 8½°	x= 40 mm	11-1713



GERSTER

150 mm - 6°	11-1714
-------------	----------------

BONE HOLDING FORCEPS- REPOSITION FORCEPS



BONE HOLDING FORCEPS



LANGENBECK

210 mm - 8 1/2"

11-1718



SEMB

190 mm - 7 1/2"

11-1719

BONE HOLDING FORCEPS



DINGMANN

190 mm - 7 1/2"

11-1720



200 mm - 8"

11-1721

11-1722

Sequesterzange

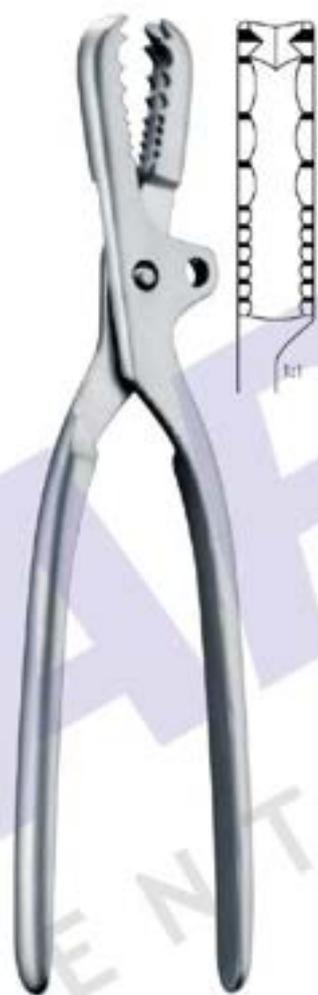
Sequestrum forceps

Pince pour Sequestrum

Pinza para Sequestrum

Pinza per Sequestrum

BONE HOLDING FORCEPS



FARABEUF

230mm - 9"	11-1723
260mm - 10 1/4"	11-1724



FARABEUF-LAMBOTTE

260mm - 10 1/4"	11-1725
-----------------	----------------

BONE HOLDING FORCEPS



MARTIN
190mm - 7 1/4"
11-1726



BIRCHER-GANSKE
200mm - 8"
11-1727 11-1728

BONE HOLDING FORCEPS



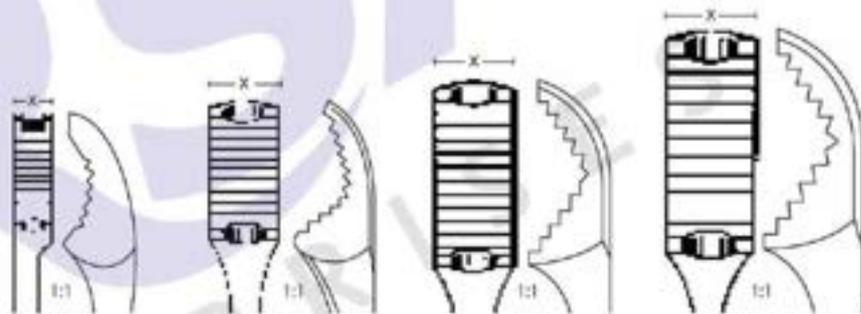
HEY GROVES

210 mm - 8 $\frac{1}{2}$ "	x = 6.5 mm	11-1729
270 mm - 10 $\frac{3}{4}$ "	x = 7.5 mm	11-1730
305 mm - 12"	x = 8.5 mm	11-1731

BONE HOLDING FORCEPS



VERBRUGGE



175 mm - 7*	250 mm - 10*	260 mm - 10½*	270 mm - 10½*
x = 5.0 mm	x = 9.5 mm	x = 10.5 mm	x = 12.0 mm
11-1732	11-1733	11-1734	11-1735

BONE HOLDING FORCEPS



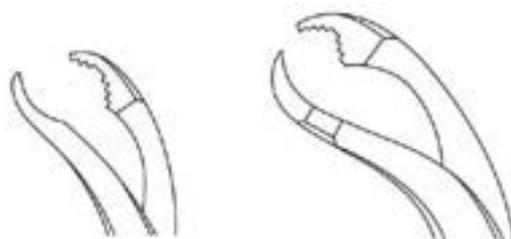
KERN		
170 mm - 6 3/4"*	11-1736	11-1738
210 mm - 8 1/4"*	11-1737	11-1739



LANE

330 mm - 13"	11-1740	11-1742
450 mm - 17 7/8"	11-1741	11-1743

BONE HOLDING FORCEPS



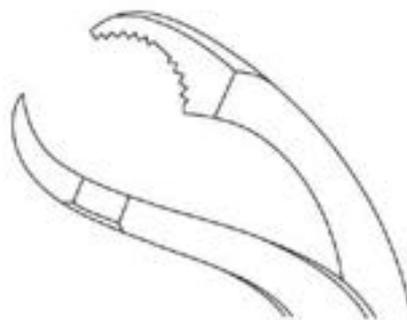
150 mm - 6°	x= 2.5 mm	11-1744	
190 mm - 7 1/2°	x= 6.5 mm		11-1745

selbstzentrierend
self-centering
auto-centreur
autocentrante
autocentrante



240 mm - 9 1/2°	x= 9.5 mm	11-1746	
260 mm - 10 1/4°	x= 10.0 mm		11-1747

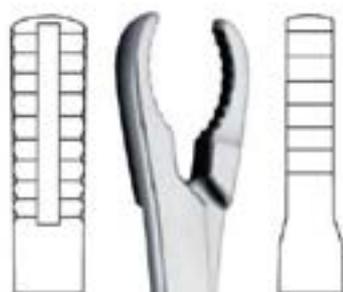
selbstzentrierend
self-centering
auto-centreur
autocentrante
autocentrante



280 mm - 11°	x= 11.0 mm	11-1748	
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selbstzentrierend
self-centering
auto-centreur
autocentrante
autocentrante

BONE HOLDING FORCEPS



ULRICH

230 mm - 9"	11-1749	11-1752
250 mm - 9 7/8"	11-1750	11-1753
280 mm - 11"	11-1751	11-1754

kniegebogen
angular
coudée
acodada
angolata



160 mm - 6 1/4"	11-1755
240 mm - 9 1/2"	11-1756

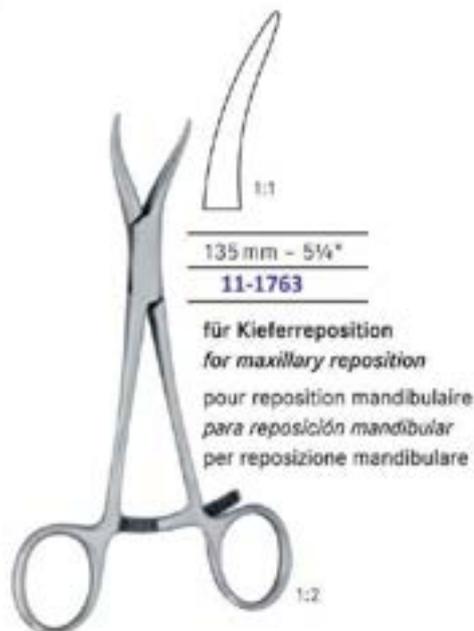
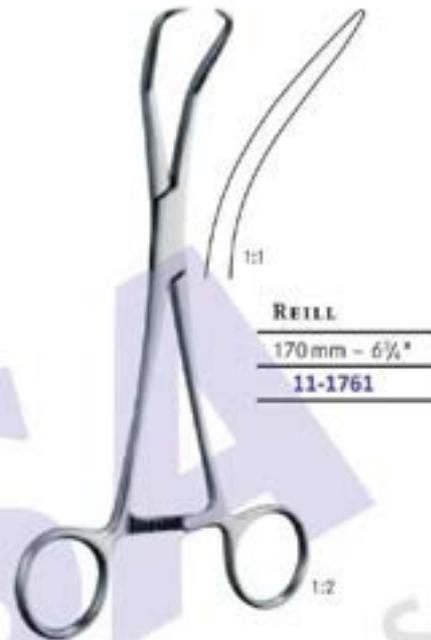


LAMBOTTE

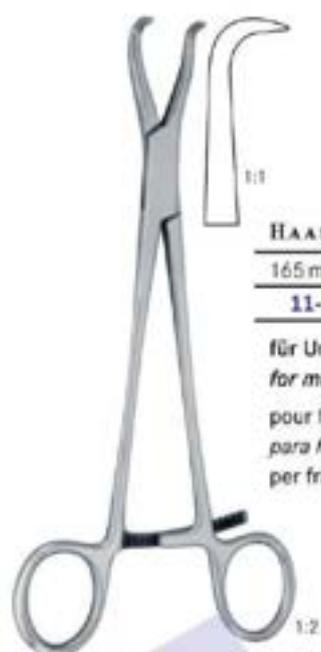
220 mm - 8 3/4"	11-1757
270 mm - 10 3/4"	11-1758
300 mm - 12"	11-1759

ein Maulteil beweglich
one jaw mobile
un mors mobile
una boca mobile
una parte del morso mobile

BONE HOLDING FORCEPS-REPOSITION FORCEPS



REPOSITION FORCEPS



1:1

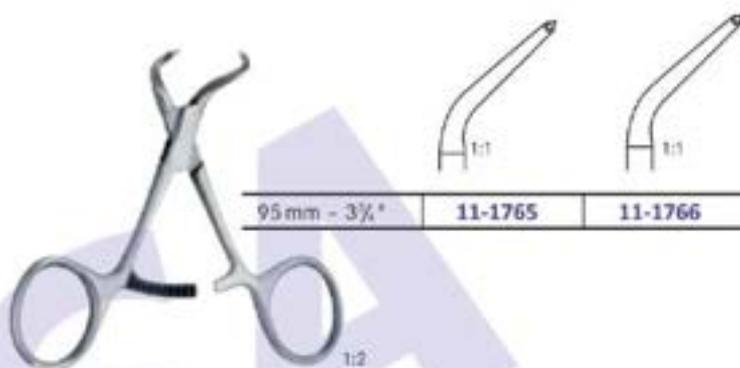
HAASE

165 mm - 6 1/2"

11-1764

für Unterkieferfrakturen
for mandibular fractures
pour fractures mandibulaires
para fracturas del mandíbulo
per fratture mandibulare

1:2



1:1

1:1

95 mm - 3 3/4"

11-1765

11-1766

1:2



1:1

185 mm - 7 1/2"

11-1767

Patellazange
Patella forceps
Pince pour la rotule
Pinza para la rótula
Pinza per rotula

1:2



1:1

210 mm - 8 1/4"

11-1768

Knöchelfasszange
Malleolar forceps
Pince pour le malléole
Pinza para el maleolo
Pinza per malleolo

1:2

WIRE INSTRUMENTS



DEMEL	
	280 mm - 11"
x = 32 mm	11-1769
x = 45 mm	11-1770
x = 62 mm	11-1771



DEMEL	
	280 mm - 11"
	11-1772

WIRE INSTRUMENTS



LOUTE

210 mm - 8 1/4"

11-1773



130 mm - 5"

11-1774



0.2 mm Ø	11-1775
0.3 mm Ø	11-1776
0.4 mm Ø	11-1777
0.5 mm Ø	11-1778
0.6 mm Ø	11-1779
0.7 mm Ø	11-1780
0.8 mm Ø	11-1781
0.9 mm Ø	11-1782
1.0 mm Ø	11-1783
1.2 mm Ø	11-1784
1.5 mm Ø	11-1785

Knochendraht, weich, in Ringen à 10 m

Bone wire, soft, in coils of 10 m

Fil de cerclage, souple, de 10 m

Alambre de cerclaje, blando, de 10 m

Filo per ossa, morbida, anelli da 10 m



0.8 mm Ø x 280 mm	11-1786
1.0 mm Ø x 280 mm	11-1787
1.2 mm Ø x 280 mm	11-1788
1.0 mm Ø x 600 mm	11-1789
1.2 mm Ø x 600 mm	11-1790

Knochendraht mit Auge, weich, Packung à 10 Stück

Bone wire with eye, soft, package of 10 pieces

Fil de cerclage, souple, paquet de 10 pièces

Alambre de cerclaje, blando, paquete de 10 piezas

Filo per ossa con ansa, morbida, pacchetto di 10 pezzi

WIRE CUTTING FORCEPS



220 mm - 8 3/4"*	11-1792
------------------	----------------

für harte Drähte bis 2.5 mm Ø
 for hard wires up to 2.5 mm Ø
 pour fils durs à diam. 2.5 mm Ø
 para alambres duros hasta 2.5 mm Ø
 per fili duri fina 2.5 mm Ø



220 mm - 8 3/4"*	11-1791
------------------	----------------

für harte Drähte bis 2.2 mm Ø
 for hard wires up to 2.2 mm Ø
 pour fils durs à 2.2 mm Ø
 para alambres duros hasta 2.2 mm Ø
 per fili duri fina 2.2 mm Ø



230 mm - 9"*	11-1793
--------------	----------------

für harte Drähte bis 2.2 mm Ø
 for hard wires up to 2.2 mm Ø
 pour fils durs à 2.2 mm Ø
 para alambres duros hasta 2.2 mm Ø
 per fili duri fina 2.2 mm Ø

WIRE CUTTING FORCEPS



1:2

180 mm - 7°	11-1794
-------------	----------------

für harte Drähte bis 1.5 mm Ø
 for hard wires up to 1.5 mm Ø
 pour fils durs à 1.5 mm Ø
 para alambres duros hasta 1.5 mm Ø
 per filii duri fina 1.5 mm Ø



1:2

180 mm - 7°	11-1795
-------------	----------------

für harte Drähte bis 1.5 mm Ø
 for hard wires up to 1.5 mm Ø
 pour fils durs à 1.5 mm Ø
 para alambres duros hasta 1.5 mm Ø
 per filii fina 1.5 mm Ø



1:2

150 mm - 6°	11-1796
-------------	----------------

für harte Drähte bis 1 mm Ø
 for hard wires up to 1 mm Ø
 pour fils durs à 1 mm Ø
 para alambres duros hasta 1 mm Ø
 per filii duri fina 1 mm Ø



1:2

145 mm - 5 1/2°	11-1797
-----------------	----------------

für harte Drähte bis 1 mm Ø
 for hard wires up to 1 mm Ø
 pour fils durs à 1 mm Ø
 para alambres duros hasta 1 mm Ø
 per filii duri fino a 1 mm Ø

WIRE CUTTING FORCEPS



570 mm – 22 1/2"*	11-1798
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für Kirschner Drähte und Steinmann Nägel bis 6 mm Ø
for Kirschner wires and Steinmann pins up to 6 mm Ø
pour des broches Kirschner et clous Steinmann à 6 mm Ø
para agujas de Kirschner y clavos de Steinmann hasta 6 mm Ø
per fili Kirschner e chiodi Steinmann fino a 6 mm Ø

WIRE CUTTING FORCEPS



185 cm - 7 1/2" | 11-1799

Kopfschneider, durchbohrt für harte Drähte bis 1.6 mm Ø

Wire cutting forceps for hard wires up to 1.6 mm Ø

Pince coupante pour fils durs à 1.6 mm Ø

Alicate para alambres duros hasta 1.6 mm Ø

Pinza taglia fili per fili duri fino a 1.6 mm Ø



260 mm - 10 1/4" | 11-1800

für harte Drähte bis 3 mm Ø

for hard wires up to 3 mm Ø

pour fils durs à 3 mm Ø

para alambres duros hasta 3 mm Ø

per fili duri fino a 3 mm Ø

TECHNICAL FORCEPS



130 mm - 5°	11-1801
180 mm - 7°	11-1802



140 mm - 5 1/2°	11-1803
170 mm - 6 1/4°	11-1804



	180 mm - 7°	180 mm - 7°
x = 5 mm	11-1805	11-1807
x = 7 mm	11-1806	11-1808

TECHNICAL FORCEPS



170 mm - 6 3/4"

11-1809



220 mm - 8 3/4"

11-1810

Grip-Zange, kombiniert mit TC-Schneider
Grip forceps, combined with TC-Cutter
Pince grip, avec partie coupante TC
Pinza grip, con parte cortante TC
Pinza grip, con morso tagliente a TC



190 mm - 7 1/2"

11-1811

Technische Zange, verstellbar
Technical forceps, adjustable
Pince technique, ajustable
Pinza tecnica, ajustable
Pinza tecnica, regolabile

TECHNICAL FORCEPS



185 mm - 7 1/4" **11-1812**

Flachzange
Flat nose plier
Pince platte
Alicate plano
Pinza piatta



185 mm - 7 1/4" **11-1813**

Flachzange mit Seitenschneider, parallelfassend, für harte Drähte bis 1.6 mm Ø
Flat nose plier, parallel grip, incorporated cutter, for hard wires up to 1.6 mm Ø
Pince à couder avec coupe latéral, pour des fils durs à de 1.6 mm Ø
Pinza para torcer con corte lateral, para alambres hasta 1.6 mm Ø
Pinza, morso piatto parallelo e taglia fili laterale fino a 1.6 mm Ø



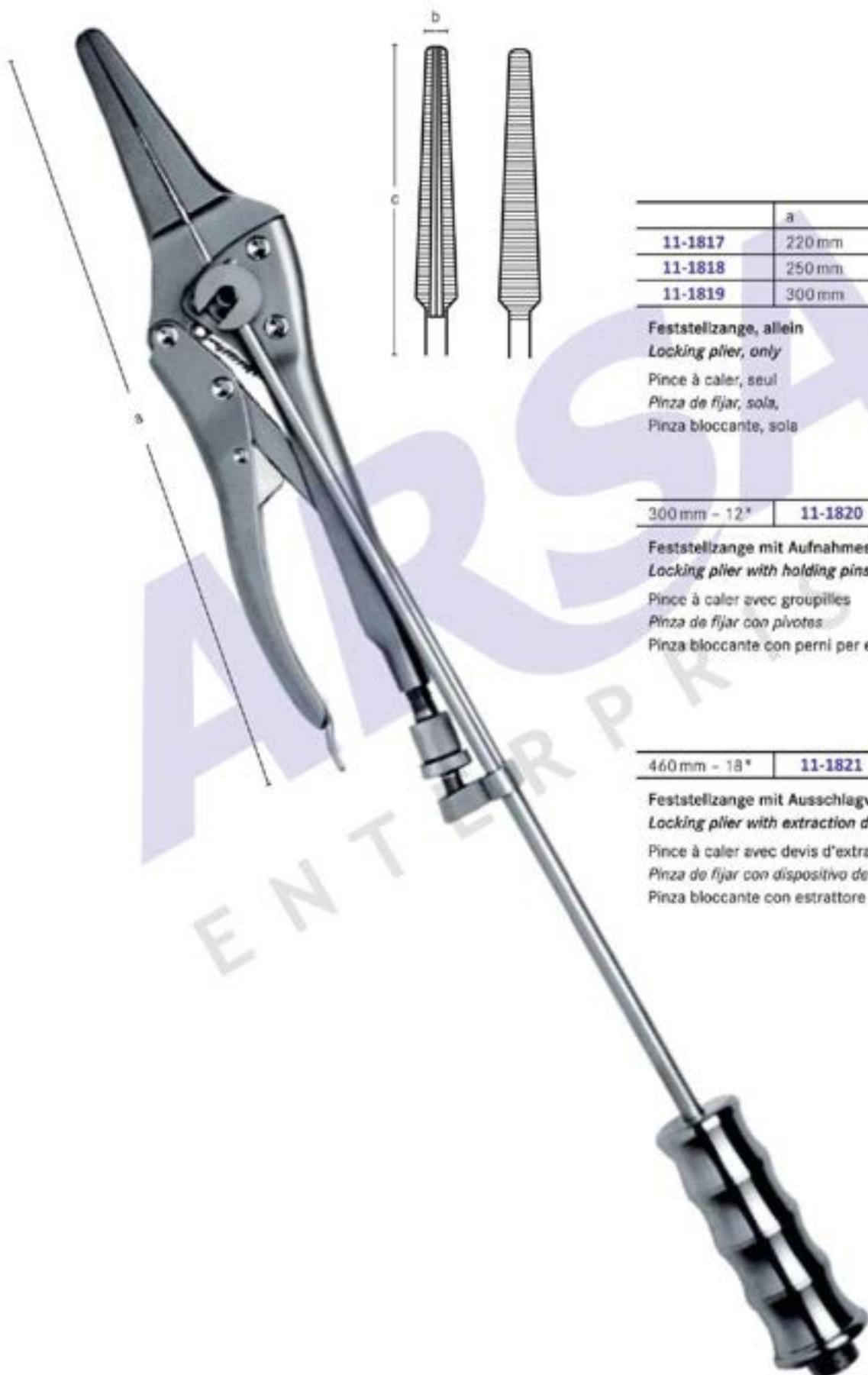
180 mm - 7" **11-1814**

200 mm - 8" **11-1815**

240 mm - 9 1/2" **11-1816**

Feststellzange
Locking plier
Pince à caler
Pinza de fijar
Pinza bloccante

TECHNICAL FORCEPS



	a	b	c
11-1817	220 mm	4,5 mm	54 mm
11-1818	250 mm	5,5 mm	66 mm
11-1819	300 mm	7,0 mm	78 mm

Feststellzange, allein
Locking plier, only

Pince à caler, seul
Pinza de fijar, sola,
Pinza bloccante, sola

300 mm - 12°	11-1820
--------------	----------------

Feststellzange mit Aufnahmestift
Locking plier with holding pins

Pince à caler avec groupilles
Pinza de fijar con pivotes
Pinza bloccante con perni per estrattore

460 mm - 18°	11-1821
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Feststellzange mit Ausschlagvorrichtung
Locking plier with extraction device

Pince à caler avec devis d'extraction
Pinza de fijar con dispositivo de extracción
Pinza bloccante con estrattore

TECHNICAL FORCEPS



200 mm - 8°	11-1822
-------------	----------------

Plattenbiegezange für Knochenplatten bis 2.7 mm Stärke
Plate bending plier for plates up to 2.7 mm
Pince à couder pour des plaques de 2.7 mm
Pinza para torcer, placas hasta 2.7 mm
Pinza piega placche fino a 2.7 mm

240 mm - 9 1/2°	11-1823
-----------------	----------------

Plattenbiegezange für Knochenplatten bis 4 mm Stärke
Plate bending plier for plates up to 4 mm
Pince à conder pour des plaques de 4 mm
Pinza para torcer, para placas hasta 4 mm
Pinza piega placche fino a 4 mm

EXTENSION BOWS



11-1824	180 mm - 7°
----------------	-------------

Spannschlüssel für Kirschner Drähte
 Wire strainer for Kirschner wires
 Tendeur pour fils de Kirschner
 Tensor para agujas de Kirschner
 Chiave per estensione di fili Kirschner



KIRSCHNER

x= 95 mm y= 70 mm	11-1825
x=100 mm y=100 mm	11-1826
x=120 mm y= 120 mm	11-1827
x=155 mm y= 155 mm	11-1828
x=200 mm y= 155 mm	11-1829

mit 3 Zughaken
 with 3 traction hooks
 avec 3 crochets d'attelage
 con 3 ganchos de tracción
 con 3 ganci di trazione



KIRSCHNER

x= 130 mm	11-1830
x= 185 mm	11-1831
x= 220 mm	11-1832

mit 3 Zughaken
 with 3 traction hooks
 avec 3 crochets d'attelage
 con 3 ganchos de tracción
 con 3 ganci di trazione

HAND DRILLS



HUDSON

270 mm - 10 3/4" **11-1833**

komplett mit 4 Bohrern (Fig. 1 - Fig. 4) und Verlängerungsstück
 complete with 4 twist drills (Fig. 1 - Fig. 4) and extension piece
 complèt avec 4 mèches (Fig. 1 - Fig. 4) et pièce d'extension
 completa con 4 fresas (Fig. 1 - Fig. 4) y pieza de prolongación
 completo con 4 frese (Fig. 1 - Fig. 4) e pezzo di prolungazione



11-1834

Verlängerungsstück
 Extension piece
 Pièce d'extension
 Pieza de prolongación
 Pezzo di prolungazione



Fig. 1	Fig. 2	Fig. 3	Fig. 4
9 mm Ø	14 mm Ø	16 mm Ø	22 mm Ø
11-1835	11-1836	11-1837	11-1838



CUSHING

14 mm Ø

11-1839



McKENZIE

13 mm Ø

11-1840

12

ARSA
ENTERPRISES

MICRO & NEURO SURGERY



INSTRUMENTS FOR CRANIAL OPENING



1:2

DE MARTEL
330 mm - 13°
12-1001



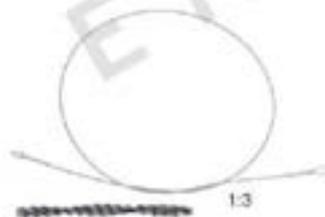
1:2

ADSON
150 mm - 6° **12-1002**



1:2

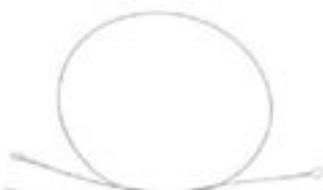
DE VILBISS
210 mm - 8½° **12-1003**



1:3

OLIVECRONA

300 mm - 12° - 1.2 mm Ø	12-1004
400 mm - 16° - 1.2 mm Ø	12-1005
500 mm - 20° - 1.2 mm Ø	12-1006
600 mm - 23½° - 1.2 mm Ø	12-1007
700 mm - 27½° - 1.2 mm Ø	12-1008



1:3

GIGLI

300 mm - 12° - 1.4 mm Ø	12-1009
400 mm - 16° - 12° - 1.4 mm Ø	12-1010
500 mm - 20° - 12° - 1.4 mm Ø	12-1011



1:2

GIGLI
12-1012

SELF RETAINING RETRACTOR



12-1013

Selbsthaltender Retraktor, flexibel mit 1 Spannarm, komplett, bestehend aus: Fixierungsvorrichtung für 1 Spannarm, Spannarm und Spatelhalter für flache Spatel

Retractor self-retaining, with 1 flexible arm, complete, consisting of: fixation base for 1 flexible arm, flexible arm only, support for flat brain spatulas

Retracteur autostatique, flexible avec 1 tendeur, complet avec support pour 1 tendeur, tendeur et porte-spatule pour spatules plates

Separador autostatico, 1 brazo flexible con soporte, completo con brazo y soporte para spatulas llanas

Retratore autostatico, flessibile Completo, contiene: supporto di fissaggio per un braccio, 1 braccio flessibile con supporto di fissaggio per spatole piatte

12-1014

Selbsthaltender Retraktor, flexibel mit 2 Spannarmen, komplett, bestehend aus: Fixierungsvorrichtung für 2 Spannarme, 2 Spannarme und 2 Spatelhalter für flache Spatel

Retractor self-retaining, with 2 flexible arms, complete, consisting of: fixation base for 2 flexible arms, 2 flexible arms, 2 supports for flat brain spatulas

Retracteur autostatique, flexible avec 2 tendeurs, complet avec supports pour 2 tendeurs, 2 tendeurs et 2 portes-spatule pour spatules plates

Separador autostatico, 2 brazos flexibles con soporte, completo con brazos y soporte para 2 spatulas llanas

Retratore autostatico, flessibile con 2 bracci completi, contiene: supporto di fissaggio per bracci per 2 spatole piatte

SELF RETAINING RETRACTOR



12-1015

Fixierungsvorrichtung allein, für 2 Spannarme
Fixation base only, holding 2 flexible arms
 Support seul pour 2 tendeurs
Soporte solo para 2 brazos de separador
 Supporto di fissaggio per 2 bracci, solo

12-1016

Fixierungsvorrichtung allein, für 1 Spannarm
Fixation base only, holding 1 flexible arm
 Support seul pour 1 tendeur
Soporte solo para 1 brazo de separador
 Supporto di fissaggio per 1 braccio, solo

12-1017

Spatelhalter allein, für Flachspatel
Support only, for flat brain spatulas
 Porte-spatule seul, pour spatules plates
Soporte solo, para spatulas planas
 Supporto solo, per fissaggio di spatole piatte

12-1018

Spatelhalter allein, für Spatel mit Rundschaft
 von 4 mm und 5 mm Ø, zum Befestigen am Spannarm
*Support only, for brain spatulas with round shaft
 of 4 mm and 5 mm Ø to fix on the flexible arm*
 Porte-spatule seul pour la fixation des spatules
 de 4 mm et 5 mm Ø diam
*Soporte solo para la fijación de spatulas
 de 4 mm y 5 mm Ø al brazo*
 Supporto solo per spatole con asta tonda
 di Ø 4 mm e 5 mm

12-1019

Spannarm allein – zum Aufstecken auf Kupplungsköpfe
 und Fixierungsvorrichtungen
*Flexible arm only – for attaching coupling heads and
 for fixation bases*
 Tendeur flexible seul – pour le montage sur supports
 et accouplements
Braza flexible solo para montar sobre soportes
 Braccio flessibile solo – per il montaggio sul supporto
 di fissaggio

MCKENZIE INSTRUMENTS



MCKENZIE		
150 mm - 6"	12-1020	12-1022
190 mm - 7 1/2"	12-1021	12-1023

Zangen zum Anlegen der Klammern

Clip applying forceps

Pinces pour poser des agrafes

Pinzas para poner grapas

Pinze per mettere le agraiffe



MCKENZIE	
148 mm x 40 mm x 6 mm - 5 7/8" x 1 1/2" x 1/8"	12-1024

Klammerblock für 20 Klammern

Brain clip-rack for 20 clips

Porte-agraifes pour 20 agrafes

Porta-grapas para 20 grapas

Supporto port'agraiffe per 20 agraiffe

CLIPS & APPLYING FORCEPS



**OLIVECRONA-TOENNIS
(SCOVILLE)**

x = 140 mm - 5 1/2" | **12-1026**



RANEY

150 mm - 6" | **12-1025**



12-1027

**Kopfhautklammer „Raney“
Scalpclip "Raney"**

Agrafes pour le cuir chevelu «Raney»
Grapa para cuero cabelludo "Raney"
Agrafes per il cuoio capelluto „Raney“



12-1028

**Kopfhautklammer „Köln“
Scalpclip "Köln"**

Agrafes pour le cuir chevelu «Köln»
Grapa para cuero cabelludo "Köln"
Agrafes per il cuoio capelluto „Köln“

APPLYING FORCEPS FOR YASARGIL CLIPS

Biegbares Memory-Metall: verformt sich bei Sterilisation (> 80°C) automatisch in den ursprünglich geraden Zustand.

Malleable Memory Metal: transforms during sterilization (> 80°C) automatically into originally straight form.

Malléable Memory-Métal: se retransforme pendant la stérilisation (> 80°) automatiquement dans la forme originale droit.

Malleable Memory-Metal: se transforma durante la esterilización (> 80°C) automáticamente en la forma original recta.

Metallo malleabile con effetto memoria: se deformato ritorna automaticamente alla forma originale con una sterilizzazione ad una temperatura maggiore di 80°C.



1:2

STANDARD

PHYNOX	x = 70 mm - 2 1/2"	12-1029
	x = 90 mm - 3 1/2"	12-1030
	x = 110 mm - 4 1/2"	12-1031

MINI

PHYNOX	x = 70 mm - 2 1/2"	12-1032
	x = 90 mm - 3 1/2"	12-1033
	x = 110 mm - 4 1/2"	12-1034



drehbar
rotating
rotatif
rotatorio
rotante



STANDARD

TITAN	x = 70 mm - 2 1/2"	12-1035
	x = 90 mm - 3 1/2"	12-1036
	x = 110 mm - 4 1/2"	12-1037

MINI

TITAN	x = 70 mm - 2 1/2"	12-1038
	x = 90 mm - 3 1/2"	12-1039
	x = 110 mm - 4 1/2"	12-1040

drehbar
rotating
rotatif
rotatorio
rotante



APPLYING FORCEPS FOR YASARGIL CLIPS



STANDARD

TITAN 	x= 90 mm - 3 1/2"	12-1041	12-1043
	x= 110 mm - 4 1/2"	12-1042	12-1044

MINI

TITAN 	x= 90 mm - 3 1/2"	12-1045	12-1047
	x= 110 mm - 4 1/2"	12-1046	12-1048

nicht drehbar
non rotating
non rotatif
no rotatorio
non rotante

drehbar
rotating
rotatif
rotatorio
rotante



APPLYING FORCEPS FOR YASARGIL CLIPS



	MINI	STANDARD
170 mm - 6 3/4"*		
180 mm - 7"*	12-1049	12-1050
210 mm - 8 1/4"*		
230 mm - 9"*		

gerade, mit Sperre
straight, with ratchet
droit, avec verrou
recta, con cierre
retta, con cremagliera

	MINI	STANDARD
	12-1051	12-1054
	12-1052	12-1055
	12-1053	12-1056

bayonett-förmig, mit Sperre
bayonett shaped, with ratchet
en baionette, avec verrou
forma bayoneta, con cierre
forma baionetta, con cremagliera

NERVE HOOKS



SCOVILLE
230 mm - 9"
x = 8 mm
12-1057



HOLSCHER
240 mm - 9½"
x = 7 mm
12-1058



SCOVILLE
200 mm - 8"
x = 7 mm
12-1059



MARTIN
210 mm - 8¼"
x = 7 mm
12-1060

DURA KNIVES



1:2

TOENNIS



150 mm - 6"	190 mm - 7 1/2"
12-1061	12-1062



1:2

HALLE

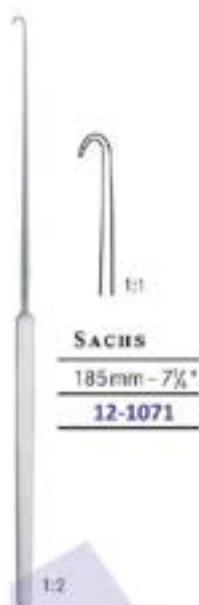


200 mm - 8"	12-1063
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NERVE HOOKS



NERVE HOOKS



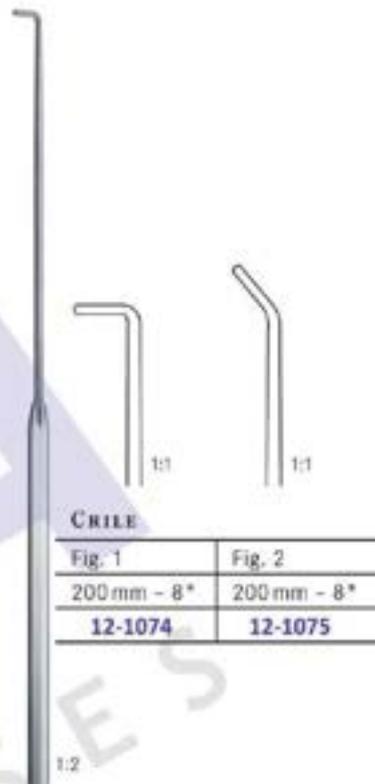
SACHS
185mm - 7 1/4"
12-1071



GRAHAM
185mm - 7 1/4"
12-1072



FRAZIER
170mm - 6 3/4"
12-1073



CRILE	
Fig. 1	Fig. 2
200mm - 8"	200mm - 8"
12-1074	12-1075



TOENNIS
150mm - 6"
12-1076



DANDY		
200mm - 8"	12-1077	12-1078
		12-1079



ADSON		
200mm - 8"	12-1080	12-1081

NERVE HOOKS



LOVE

190 mm - 7 1/2"	12-1082	12-1083	12-1084
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YASARGIL

310 mm - 12 1/4"	12-1085
410 mm - 16 1/4"	12-1086

Galeahaken
Galea retractor
Retracteur Galea
Retractor de Galea
Retratore di Galea



CUSHING

140 mm - 5 1/2"	12-1087
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FRAZIER

130 mm - 5"	12-1088	12-1090
180 mm - 7"	12-1089	12-1091

spitz
sharp
pointu
agudo
acuto

stumpf
blunt
mousse
ramos
smusso



LAHEY

130 mm - 5"	12-1092
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MICRO DISSECTORS



MICRO DISSECTORS



HORSLEY
200 mm - 6°
12-1099

SMITHWICK
290 mm - 11½°
12-1100



SACHS
210 mm - 8½°

12-1096	12-1097	12-1098
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MICRO DISSECTORS



PENFIELD

Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
175 mm - 7"	195 mm - 7 1/2"	195 mm - 7 1/4"	215 mm - 8 1/2"	185 mm - 7 1/4"
12-1101	12-1102	12-1103	12-1104	12-1105

NEURO-MICRO DISSECTORS



YASARGIL

190 mm - 7 1/2"	12-1106	12-1107	12-1108	12-1109	12-1110
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gerade
straight
droit
recta
rette

190 mm - 7 1/2"	12-1111	12-1112	12-1113	12-1114	12-1115
-----------------	----------------	----------------	----------------	----------------	----------------

bajonett
bayonet
baionette
bayoneta
baionetta



YASARGIL

190 mm - 7 1/2"	12-1116	12-1117	12-1118	12-1119
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gerade
straight
droit
recta
rette

190 mm - 7 1/2"	12-1120	12-1121	12-1122	12-1123
-----------------	----------------	----------------	----------------	----------------

bajonett
bayonet
baionette
bayoneta
baionetta



190 mm - 7 1/2"	12-1124	12-1125
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gerade, mit Dreh-Fixierhaken
straight, with Twist-fixationhook
droit, avec crochet de fixation
recta, con gancho de fijación
rette, con uncino di fissaggio „Twist“

NEURO-MICRO DISSECTORS



	KRAUS	YASARGIL	KOOS	KOOS	KOOS
190mm - 7 1/2"	12-1126	12-1127	12-1128	12-1129	12-1130

bajonett
bayonet
balonette
bayoneta
balonetta

NEURO-MICRO DISSECTORS

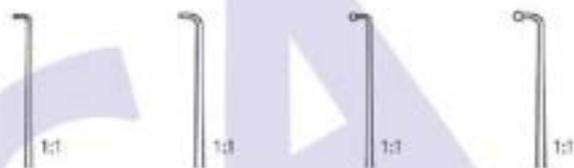


JACOBSON
190 mm - 7 1/8"
12-1131



**KRAYEN
BÜHL**

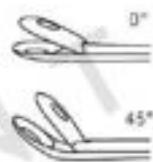
190 mm - 7 1/8"	12-1132	12-1133	12-1134	12-1135
	ohne Knopf without knob sans boule sin bola senza bottone		mit Knopf with knob avec boule con bola con bottone	



190 mm - 7 1/8"	12-1136	JACOBSON 12-1137	FISCH 12-1138
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LAMINECTOMY RONGEURS

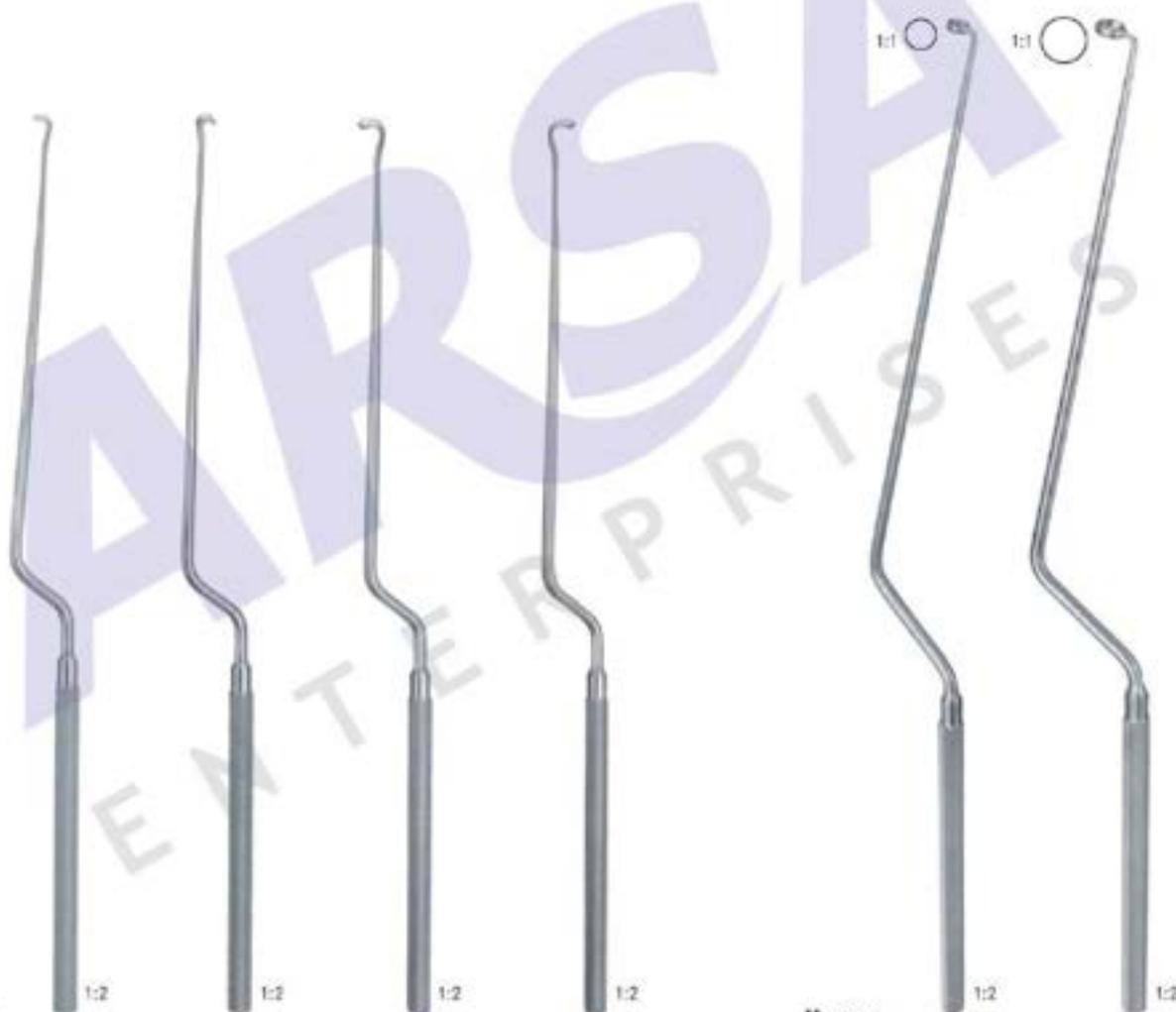


**WEIL-
BLAKESLEY**



	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	a=3.0 mm	a=3.5 mm	a=4.5 mm	a=5.0 mm	a=5.5 mm
x=120 mm - 4½°	12-1139	12-1140	12-1141	12-1142	12-1143
x=120 mm - 4½°	12-1144	12-1145	12-1146	12-1147	
x=120 mm - 4½°	12-1148	12-1149	12-1150		
	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	a=3.0 mm	a=3.5 mm	a=4.5 mm	a=5.0 mm	a=5.5 mm
x=180 mm - 7°	12-1151	12-1152	12-1153	12-1154	12-1155
x=180 mm - 7°	12-1156	12-1157	12-1158	12-1159	

NEURO-MICRO DISSECTORS & CURETTES



HARDY

250 mm - 9%*	12-1160	12-1161	12-1162	12-1163
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bajonett, innen scharf
 bayonet, sharp inner edge
 baionette, tranchant à l'interno
 bayoneta, cortante al interno
 baionetta, acuto all'interno

HARDY

	4 mm Ø	6 mm Ø
270 mm - 10%*	12-1164	12-1165

bajonett, biegsam
 bayonet, malleable
 baionette, malleable
 bayoneta, maleable
 baionetta, flessibile

MICRO SCISSORS



120 mm - 4 3/4"	12-1166	12-1167
Schneide 10 mm, spitz Blade 10 mm, sharp	gerade straight	gebogen curved
Lame 10 mm, pointu Hoja 10 mm, agudas Lama 10 mm, acuta	droite recta retta	courbe curva curva



120 mm - 4 3/4"	12-1168	12-1169	12-1170
Vannas-Schneide Vannas-blade	gerade straight	gebogen curved	aufgewinkelt angled up
Lama de Vannas Hoja de Vannas Vannas-lama	droite recta retta	courbe curva curva	angulaire acodada angolata



120 mm - 4 3/4"	12-1171
Venen-Schneide (Biemer) Vein-blade (Biemer)	gerade straight
Lame pour veines (Biemer) Hoja para venas (Biemer) Lama per vene (Biemer)	droite recta retta

MICRO SCISSORS



150 mm - 6°	12-1172	12-1173	12-1174	12-1175
	gerade, kurze Schneide <i>straight, short blades</i> droites, lames courtes <i>recta, hojas cortas</i> retta, lama corta	gebogen, kurze Schneide <i>curved, short blades</i> courbes, lames courtes <i>curva, hojas cortas</i> curva, lama corta	gerade, lange Schneide <i>straight, long blades</i> droites, lames longues <i>recta, hojas largas</i> retta, lama lunga	gebogen, lange Schneide <i>curved, long blades</i> courbes, lames longues <i>curva, hojas largas</i> curva, lama lunga



150 mm - 6°	12-1176	12-1177
	gerade, gezahnt <i>straight, saw edge</i> droites, dentelés <i>recta, dentadas</i> retta, dentata	gebogen, gezahnt <i>curved, saw edge</i> courbes, dentelés <i>curva, dentadas</i> curva, dentata



150 mm - 6°	12-1178
180 mm - 7°	12-1179

kniegebogen, 45°
angled on flat, 45°
angulaires, 45°
acodada, 45°
angolata, 45°

MICRO SCISSORS



120 mm - 4 3/8"*	12-1180	12-1181
Lange Schneide 14 mm, glatt, spitz Long blades 14 mm, smooth, sharp Lames longues 14 mm, lisses, pointues Hojas largas 14 mm, lisas, agudas Lama lunga 14 mm, liscia, acuta	gerade straight droites recta retta	gebogen curved courbes curva curva



120 mm - 4 3/8"*	12-1182	12-1183
Lange Schneide 14 mm, spitz Long blades 14 mm, sharp Lames longues 14 mm, pointues Hojas largas 14 mm, agudas Lama lunga 14 mm, acuta	gerade, gezahnt straight, saw edge droites, dentelés recta, dentadas retta, dentata	gebogen, gezahnt curved, saw edge courbes, dentelés curva, dentadas curva, dentata



145 mm - 5 3/8"*	12-1184	12-1185
Vannas-Schneide, glatt, spitz Vannas-blades, smooth, sharp Lames de Vannas, lisses, pointues Hojas de Vannas, lisas, agudas Vannas-lama, liscia, acuta	gerade straight droits recta retta	gebogen curved courbes curva curva

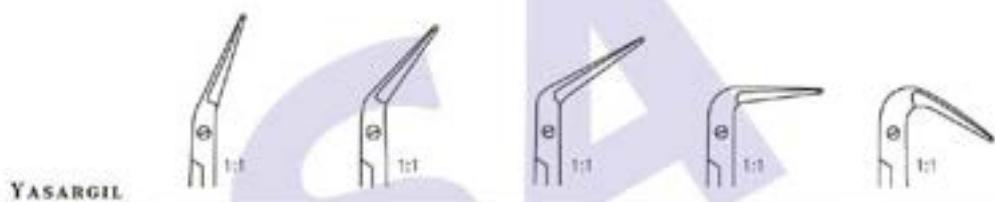
MICRO SCISSORS



YASARGIL

185 mm - 7 1/8"	12-1186	12-1187	12-1188
	gerade straight	gebogen curved	kniegebogen angled on flat
	droits recta retta	courbes curva curva	angulaires acodada angolata

MICRO SCISSORS



YASARGIL

	25°	45°	60°	90°	125°
170 mm - 6 3/4"*	12-1189	12-1190	12-1191	12-1192	12-1193

mit Knopf
with ball
avec bouton
con botón
con bottone



YASARGIL

	25°	45°	60°	90°	125°
170 mm - 6 3/4"*	12-1194	12-1195	12-1196	12-1197	12-1198

ohne Knopf
without ball
sans bouton
sin botón
senza bottone

MICRO DISSECTING SCISSORS



145 mm - 5 7/8"	12-1199	12-1201	12-1203	12-1205
180 mm - 7"	12-1200	12-1202	12-1204	12-1206

kurze Schneide 8 mm, glatt
short blades 8 mm, smooth
lames courtes 8 mm, lisses
hojas cortas 8 mm, lisos
lama corta 8 mm, liscia

gerade, spitz
straight, sharp
droites, pointues
rectas, agudas
retta, acuta

gebogen, spitz
curved, sharp
courbes, pointues
curvas, agudas
curva, acuta

gerade, stumpf
straight, blunt
droites, mousses
rectas, romas
retta, smussa

gebogen, stumpf
curved, blunt
courbes, mousses
curvas, romas
curva, smussa



145 mm - 5 7/8"	12-1207	12-1209	12-1211	12-1213
180 mm - 7"	12-1208	12-1210	12-1212	12-1214

lange Schneide 14 mm, glatt
long blades 14 mm, smooth
lames longues 14 mm, lisses
hojas largas 14 mm, lisos
lama lunga 14 mm, liscia

gerade, spitz
straight, sharp
droites, pointues
rectas, agudas
retta, acuta

gebogen, spitz
curved, sharp
courbes, pointues
curvas, agudas
curva, acuta

gerade, stumpf
straight, blunt
droites, mousses
rectas, romas
retta, smussa

gebogen, stumpf
curved, blunt
courbes, mousses
curvas, romas
curva, smussa

MICRO SCISSORS WITH ROUND HANDLE



VANNAS

	 1:1	 1:1
	7 mm Ø	7 mm Ø
120 mm - 5°	12-1215	12-1216

VANNAS

	 1:1	 1:1
	8 mm Ø	8 mm Ø
150 mm - 6°	12-1217	12-1218

CASTROVIEJO

	 1:1	 1:1
	8 mm Ø	8 mm Ø
150 mm - 6°	12-1219	12-1220

MICRO SCISSORS WITH ROUND HANDLE

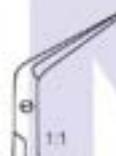
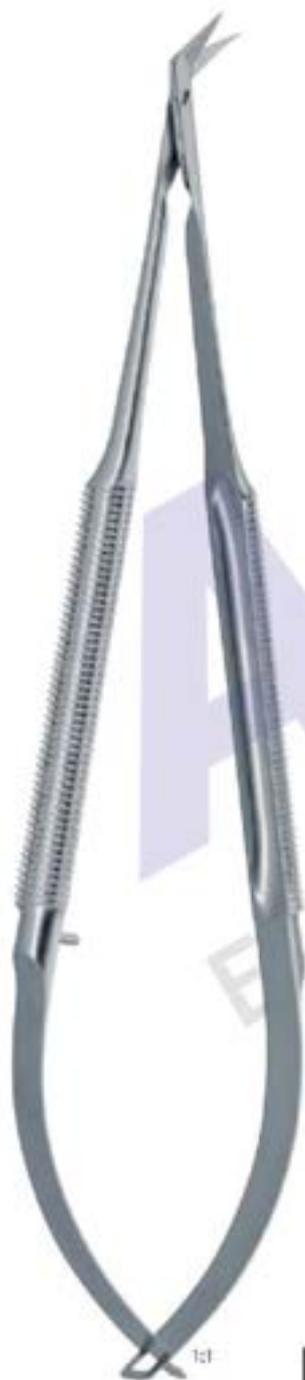


ARSA
ENTERPRISES



	180 mm - 7°					
8 mm Ø	12-1221	12-1223				
10 mm Ø	12-1222	12-1224	12-1225	12-1226	12-1227	12-1228

MICRO SCISSORS WITH ROUND HANDLE



8 mm Ø	25°	45°	60°	90°	125°
180 mm - 7°	12-1229	12-1230	12-1231	12-1232	12-1233

Schneide 10 mm, mit Knopf, spitz
Blade 10 mm, with ball, sharp

Lames 10 mm, avec bouton, pointues
Hojas 10 mm, con botón, agudas
Lama 10 mm, con bottone, acuta



8 mm Ø	25°	45°	60°	90°	125°
180 mm - 7°	12-1234	12-1235	12-1236	12-1237	12-1238

Schneide 10 mm, ohne Knopf, spitz
Blade 10 mm, without ball, sharp

Lames 10 mm, sans bouton, pointues
Hojas 10 mm, sin botón, agudas
Lama 10 mm, senza bottone, acuta



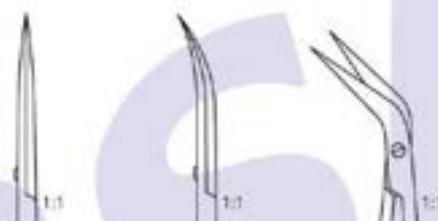
mit gedrehtem Schluss
90° twisted
tordus de 90°
giradas de 90°
girato 90°

MICRO SCISSORS WITH ROUND HANDLE



	9 mm Ø	9 mm Ø
150 mm - 6°	12-1239	12-1240

MICRO SCISSORS



JACOBSON			
160 mm - 6 1/4"	12-1241	12-1243	12-1245
180 mm - 7"	12-1242	12-1244	12-1246
gerade straight	gebogen curved	abgewinkelt, 45° angled, 45°	
droits recta	courbes curva	angulaires, 45° acodada, 45°	
retta	curva	angolata, 45°	



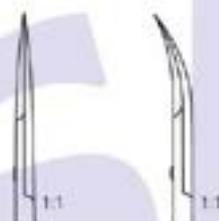
160 mm - 6 1/4"	12-1247	12-1249
180 mm - 7"	12-1248	12-1250

Vannas Schneide
Vannas blade
Lame de Vannas
Hoja de Vannas
Lama Vannas

MICRO SCISSORS



**YASARGIL-
MOD.**



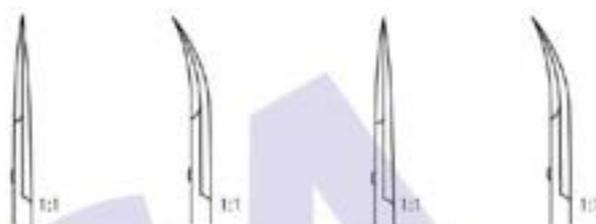
180 mm - 7"	12-1251	12-1253
225 mm - 8 7/8"	12-1252	12-1254



220 mm - 8 3/4"	12-1255	12-1256
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Vannas Schneide
Vannas blade
Lame de Vannas
Hoja de Vannas
Lama Vannas

MICRO SCISSORS



200 mm - 8"	12-1257	12-1259	12-1261	12-1263
225 mm - 8 7/8"	12-1258	12-1260	12-1262	12-1264

Schneide glatt, spitz
Blade smooth, sharp
Lames lisses, pointues
Hojas lisas, agudas
Lama liscia, acuta

gerade
straight
droits
recta
retta

gebogen
curved
courbes
curva
curva

gerade, gezahnt
straight, saw edge
droits, dentelées
recta, dentadas
retta, dentata

gebogen, gezahnt
curved, saw edge
courbes, dentelées
curva, dentadas
curva, dentata



200 mm - 8"	12-1265	12-1267
225 mm - 8 7/8"	12-1266	12-1268

Vannas Schneide
Vannas blade
Lame de Vannas
Hoja de Vannas
Lama Vannas



200 mm - 8"	12-1269	12-1271
225 mm - 8 7/8"	12-1270	12-1272

Präparier-Schneide, stumpf
Dissector blade, blunt
Lames de dissection, moussé
Hojas de disección, roma
Lama da dissezione, smussa

FIXATION FORCEPS- VASCULAR DILATORS



Typ
JUWELIER



x=0.2 mm	x=0.3 mm	x=0.3 mm	x=0.2 mm	x=0.3 mm
110 mm - 4/8*	110 mm - 4/8*	110 mm - 4/8*	120 mm - 4/8*	120 mm - 4/8*
12-1273	12-1274	12-1275	12-1276	12-1277



PIERSE

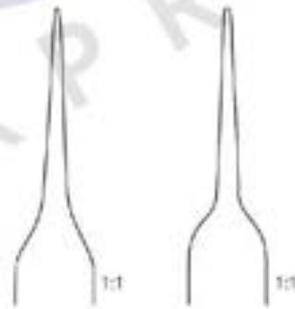
120 mm - 4/8*	12-1278
135 mm - 5/8*	12-1279



	x=0.2 mm	x=0.3 mm
110 mm - 4/8*	12-1280	12-1281

sehr fein
very fine
très fin
muy fino
molto fino

MICRO SUTURE TYING FORCEPS



LAZAR

	0.5 mm	0.8 mm
155 mm - 6°	12-1282	12-1283

MICRO SUTURE TYING FORCEPS



	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm - 7°	12-1284	12-1285	12-1286	12-1287

Fadenplatte 6,0 mm x 0,4 mm, glatt
Tying platform 6.0 mm x 0.4 mm, smooth
 Plate-forme 6.0 mm x 0.4 mm, lisse
Plataforma 6.0 mm x 0.4 mm, lisa
 Piano per sutura 6.0 mm x 0.4 mm, liscio

1x2 1x2

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm - 7°	12-1288	12-1289	12-1290	12-1291

Fadenplatte 6,0 mm x 0,4 mm, diamantiert
Tying platform 6.0 mm x 0.4 mm, diamond coated
 Plate-forme 6.0 mm x 0.4 mm, diamanté
Plataforma 6.0 mm x 0.4 mm, diamantada
 Piano per sutura 6.0 mm x 0.4 mm, diamantata

1x2 1x2



	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm - 7°	12-1292	12-1293	12-1294	12-1295

Fadenplatte 6,0 mm x 0,8 mm, glatt
Tying platform 6.0 mm x 0.8 mm, smooth
 Plate-forme 6.0 mm x 0.8 mm, lisse
Plataforma 6.0 mm x 0.8 mm, lisa
 Piano per sutura 6.0 mm x 0.8 mm, liscio

1x2 1x2

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm - 7°	12-1296	12-1297	12-1298	12-1299

Fadenplatte 6,0 mm x 0,8 mm, diamantiert
Tying platform 6.0 mm x 0.8 mm, diamond coated
 Plate-forme 6.0 mm x 0.8 mm, diamanté
Plataforma 6.0 mm x 0.8 mm, diamantada
 Piano per sutura 6.0 mm x 0.8 mm, diamantata

1x2 1x2

MICRO FORCEPS



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6°	12-1300	12-1304	12-1308	12-1312
180 mm - 7°	12-1301	12-1305	12-1309	12-1313
210 mm - 8 1/4°	12-1302	12-1306	12-1310	12-1314
230 mm - 9°	12-1303	12-1307	12-1311	12-1315

Maul glatt
Jaw smooth
Mors lisse
Boca lisa
Morso liscio



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6°	12-1316	12-1320	12-1324	12-1328
180 mm - 7°	12-1317	12-1321	12-1325	12-1329
210 mm - 8 1/4°	12-1318	12-1322	12-1326	12-1330
230 mm - 9°	12-1319	12-1323	12-1327	12-1331

Fadenplatte 6,0 mm x 0,3 mm, glatt
Tying platform 6.0 mm x 0.3 mm, smooth
Plate-forme 6.0 mm x 0.3 mm, lisse
Piataforma 6.0 mm x 0.3 mm, lisa
Piano per sutura 6.0 mm x 0.3 mm, liscio

1x2 1x2



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6°	12-1332	12-1336	12-1340	12-1344
180 mm - 7°	12-1333	12-1337	12-1341	12-1345
210 mm - 8 1/4°	12-1334	12-1338	12-1342	12-1346
230 mm - 9°	12-1335	12-1339	12-1343	12-1347

Fadenplatte 6,0 mm x 0,7 mm, glatt
Tying platform 6.0 mm x 0.7 mm, smooth
Plate-forme 6.0 mm x 0.7 mm, lisse
Piataforma 6.0 mm x 0.7 mm, lisa
Piano per sutura 6.0 mm x 0.7 mm, liscio

1x2 1x2

MICRO FORCEPS


 diamantiert
diamond coated
 diamanté
diamantada
 diamantata



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6°	12-1348	12-1352	12-1356	12-1360
180 mm - 7°	12-1349	12-1353	12-1357	12-1361
210 mm - 8 1/4°	12-1350	12-1354	12-1358	12-1362
230 mm - 9°	12-1351	12-1355	12-1359	12-1363

diamantiert
diamond coated
 diamanté
diamantada
 diamantata



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6°	12-1364	12-1368	12-1372	12-1376
180 mm - 7°	12-1365	12-1369	12-1373	12-1377
210 mm - 8 1/4°	12-1366	12-1370	12-1374	12-1378
230 mm - 9°	12-1367	12-1371	12-1375	12-1379

Fadenplatte 6,0 mm x 0,3 mm, diamantiert
Tying platform 6.0 mm x 0.3 mm, diamond coated

1x2 1x2

Plate-forme 6,0 mm x 0,3 mm, diamanté
Plataforma 6.0 mm x 0.3 mm, diamantada
 Piano per sutura 6.0 mm x 0.3 mm, diamantata



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm - 6°	12-1380	12-1384	12-1388	12-1392
180 mm - 7°	12-1381	12-1385	12-1389	12-1393
210 mm - 8 1/4°	12-1382	12-1386	12-1390	12-1394
230 mm - 9°	12-1383	12-1387	12-1391	12-1395

Fadenplatte 6,0 mm x 0,7 mm, diamantiert
Tying platform 6.0 mm x 0.7 mm, diamond coated

1x2 1x2

Plate-forme 6,0 mm x 0,7 mm, diamanté
Plataforma 6.0 mm x 0.7 mm, diamantada
 Piano per sutura 6.0 mm x 0.7 mm, diamantata

MICRO FORCEPS



8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm - 6°	12-1396	12-1400	12-1404	12-1408
180 mm - 7°	12-1397	12-1401	12-1405	12-1409
210 mm - 8 1/4°	12-1398	12-1402	12-1406	12-1410
230 mm - 9°	12-1399	12-1403	12-1407	12-1411

Maul glatt
Jaw smooth
Mors lisse
Boca lisa
Morso liscio



8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm - 6°	12-1412	12-1416	12-1420	12-1424
180 mm - 7°	12-1413	12-1417	12-1421	12-1425
210 mm - 8 1/4°	12-1414	12-1418	12-1422	12-1426
230 mm - 9°	12-1415	12-1419	12-1423	12-1427

Fadenplatte 6,0 mm
Tying platform 6.0 mm
Plate-forme 6.0 mm
Piataforma 6.0 mm
Piano per sutura 6.0 mm



8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm - 6°	12-1428	12-1432	12-1436	12-1440
180 mm - 7°	12-1429	12-1433	12-1437	12-1441
210 mm - 8 1/4°	12-1430	12-1434	12-1438	12-1442
230 mm - 9°	12-1431	12-1435	12-1439	12-1443

Fadenplatte 6,0 mm / 1x2 Zähne
Tying platform 6.0 mm / 1x2 teeth
Plate-forme 6.0 mm / 1x2 dents
Piataforma 6.0 mm / 1x2 dientes
Piano per sutura 6.0 mm / 1x2 denti

MICRO FORCEPS


 diamantiert
diamond coated
 diamanté
diamantada
 diamantata



8 mm Ø	0,4 mm	0,4 mm	0,8 mm	0,8 mm
150 mm - 6°	12-1444	12-1448	12-1452	12-1456
180 mm - 7°	12-1445	12-1449	12-1453	12-1457
210 mm - 8 1/4°	12-1446	12-1450	12-1454	12-1458
230 mm - 9°	12-1447	12-1451	12-1455	12-1459

diamantiert
diamond coated
 diamanté
diamantada
 diamantata



8 mm Ø	0,4 mm	0,4 mm	0,8 mm	0,8 mm
150 mm - 6°	12-1460	12-1464	12-1468	12-1472
180 mm - 7°	12-1461	12-1465	12-1469	12-1473
210 mm - 8 1/4°	12-1462	12-1466	12-1470	12-1474
230 mm - 9°	12-1463	12-1467	12-1471	12-1475

Fadenplatte 6,0 mm, diamantiert
Tying platform 6.0 mm, diamond coated

Plate-forme 6,0 mm, diamanté
Plataforma 6.0 mm, diamantada
 Piano per sutura 6.0 mm, diamantata



8 mm Ø	0,4 mm	0,4 mm	0,8 mm	0,8 mm
150 mm - 6°	12-1476	12-1480	12-1484	12-1488
180 mm - 7°	12-1477	12-1481	12-1485	12-1489
210 mm - 8 1/4°	12-1478	12-1482	12-1486	12-1490
230 mm - 9°	12-1479	12-1483	12-1487	12-1491

Fadenplatte 6,0 mm / 1x2 Zähne, diamantiert
Tying platform 6.0 mm / 1x2 teeth, diamond coated

Plate-forme 6,0 mm / 1x2 dents, diamanté
Plataforma 6.0 mm / 1x2 dientes, diamantada
 Piano per sutura 6.0 mm / 1x2 denti, diamantata

MICRO FORCEPS



JACOBSON

160mm - 6 1/2"	12-1492	12-1494	12-1496	12-1498
180mm - 7"	12-1493	12-1495	12-1497	12-1499

gerade, spitz
straight, sharp
droit, pointue
recta, aguda
retta, acuta

gerade, stumpf
straight, blunt
droit, mousse
recta, roma
retta, smussa

abgewinkelt, spitz
angled, sharp
angulaire, pointue
acodada, aguda
angolata, acuta

abgewinkelt, stumpf
angled, blunt
angulaire, mousse
acodada, roma
angolata, smussa

160mm - 6 1/2"	12-1500	12-1502	12-1504	12-1506
180mm - 7"	12-1501	12-1503	12-1505	12-1507

diamantiert
diamond coated
diamanté
diamantada
diamantata

gerade, spitz
straight, sharp
droit, pointue
recta, aguda
retta, acuta

gerade, stumpf
straight, blunt
droit, mousse
recta, roma
retta, smussa

abgewinkelt, spitz
angled, sharp
angulaire, pointue
acodada, aguda
angolata, acuta

abgewinkelt, stumpf
angled, blunt
angulaire, mousse
acodada, roma
angolata, smussa

MICRO FORCEPS



YASARGIL	 1:1	 1:1	 1:1
	225 mm - 8 1/2"*	225 mm - 8 1/2"*	225 mm - 8 1/2"*
3.0 mm	12-1508	12-1510	12-1512
5.0 mm	12-1509	12-1511	12-1513
	löffelförmig spoon form forme de cuillère forma de cuchara forma di cucchiaio	flach gezahnt plan toothed dentele dentada dentato	kürettenförmig curette form forme de curette forma de cureta forma di curetta

MICRO FORCEPS



200 mm - 8"	12-1514	12-1516	12-1518	12-1520
225 mm - 8 7/8"	12-1515	12-1517	12-1519	12-1521
diamantiert diamond coated diamanté diamantado diamantato	gerade, spitz straight, sharp droit, pointue recta, aguda retta, acuta	gerade, stumpf straight, blunt droit, mousse recta, roma retta, smussa	abgewinkelt, spitz angled, sharp angulaire, pointue acodada, aguda angolata, acuta	abgewinkelt, stumpf angled, blunt angulaire, mousse acodada, roma angolata, smussa

225 mm - 8 7/8"	12-1522	12-1523
	gerade, spitz straight, sharp droit, pointue recta, aguda retta, acuta	gerade, stumpf straight, blunt droit, mousse recta, roma retta, smussa

200 mm - 8"	12-1524	12-1526
225 mm - 8 7/8"	12-1525	12-1527
	abgewinkelt, spitz angled, sharp angulaire, pointue acodada, aguda angolata, acuta	abgewinkelt, stumpf angled, blunt angulaire, mousse acodada, roma angolata, smussa

1:1

MICRO FORCEPS WITH ROUND HANDLE



	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
210 mm - 8 1/4"*	12-1528	12-1530	12-1532	12-1534
230 mm - 9"	12-1529	12-1531	12-1533	12-1535

gerade, spitz
straight, sharp
droit, pointue
recta, aguda
retta, acuta

gerade, stumpf
straight, blunt
droit, mousse
recta, roma
retta, smussa

abgewinkelt, spitz
angled, sharp
angulaire, pointue
acodada, aguda
angolata, acuta

abgewinkelt, stumpf
angled, blunt
angulaire, mousse
acodada, roma
angolata, smussa

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
210 mm - 8 1/4"*	12-1536	12-1538	12-1540	12-1542
230 mm - 9"	12-1537	12-1539	12-1541	12-1543

diamantiert
diamond coated
diamanté
diamantada
diamantata

gerade, spitz
straight, sharp
droit, pointue
recta, aguda
retta, acuta

gerade, stumpf
straight, blunt
droit, mousse
recta, roma
retta, smussa

abgewinkelt, spitz
angled, sharp
angulaire, pointue
acodada, aguda
angolata, acuta

abgewinkelt, stumpf
angled, blunt
angulaire, mousse
acodada, roma
angolata, smussa

MICRO RING FORCEPS



9 mm Ø	1.0x0.5 mm	1.0x0.5 mm	2.0x1.0 mm	2.0x1.0 mm	1.0x0.5 mm	2.0x1.0 mm
150 mm - 6°	12-1544	12-1548	12-1552	12-1556	12-1560	12-1564
180 mm - 7°	12-1545	12-1549	12-1553	12-1557	12-1561	12-1565
210 mm - 8 1/2°	12-1546	12-1550	12-1554	12-1558	12-1562	12-1566
230 mm - 9°	12-1547	12-1551	12-1555	12-1559	12-1563	12-1567

glatt smooth	fein gerieft slightly serrated	glatt smooth	fein gerieft slightly serrated	diamantiert diamond coated	diamantiert diamond coated
lisse	légèrement strié	lisse	légèrement strié	diamanté	diamanté
lisa	fig. estriada	lisa	fig. estriada	diamantada	diamantada
liscia	fina zigrinata	liscia	fina zigrinata	diamantata	diamantata



8 mm Ø	1.0x0.5 mm	1.0x0.5 mm	2.0x1.0 mm	2.0x1.0 mm	1.0x0.5 mm	2.0x1.0 mm
150 mm - 6°	12-1568	12-1572	12-1576	12-1580	12-1584	12-1588
180 mm - 7°	12-1569	12-1573	12-1577	12-1581	12-1585	12-1589
210 mm - 8 1/2°	12-1570	12-1574	12-1578	12-1582	12-1586	12-1590
230 mm - 9°	12-1571	12-1575	12-1579	12-1583	12-1587	12-1591

glatt smooth	fein gerieft slightly serrated	glatt smooth	fein gerieft slightly serrated	diamantiert diamond coated	diamantiert diamond coated
lisse	légèrement strié	lisse	légèrement strié	diamanté	diamanté
lisa	fig. estriada	lisa	fig. estriada	diamantada	diamantada
liscia	fina zigrinata	liscia	fina zigrinata	diamantata	diamantata

MICRO RING FORCEPS



9 mm Ø	1.0 mm x 0.5 mm	1.0 mm x 0.5 mm	2.0 mm x 1.0 mm	2.0 mm x 1.0 mm
210 mm - 8 1/4°	12-1592	12-1594	12-1596	12-1598
230 mm - 9°	12-1593	12-1595	12-1597	12-1599

glatt
smooth
lisse
liso
liscia

gerieft
serrated
strié
estriada
zigrinata

glatt
smooth
lisse
liso
liscia

gerieft
serrated
strié
estriada
zigrinata



9 mm Ø	1.0 mm x 0.5 mm	2.0 mm x 1.0 mm
210 mm - 8 1/4°	12-1600	12-1602
230 mm - 9°	12-1601	12-1603

diamantiert
diamond coated
diamanté
diamantada
diamantata

ATRAUMATIC MICRO FORCEPS



	x = 1.2 mm	x = 2.0 mm	x = 1.5 mm	x = 2.0 mm
150 mm - 6°	12-1604	12-1608	12-1612	12-1616
180 mm - 7°	12-1605	12-1609	12-1613	12-1617
210 mm - 8 1/4°	12-1606	12-1610	12-1614	12-1618
230 mm - 9°	12-1607	12-1611	12-1615	12-1619

gerade
straight
droit
recta
retta

gerade
straight
droit
recta
retta

abgewinkelt
angled
angulaire
acodada
angolata

abgewinkelt
angled
angulaire
acodada
angolata

MICRO NEEDLE HOLDERS



CASTROVIEJO

x = 11.0 mm x 0.75 mm

140 mm - 5 1/2"

12-1620

12-1621

12-1622

12-1623

ohne Sperre, feines Maul

without ratchet, fine jaws

sans crémaillère, mors fine

sin cremallera, boca fina

senza cremagliera, morso fino

gerade

straight

droit

recta

retto

gebogen

curved

courbe

curva

curvo

gerade, diamantiert

straight, diamond coated

droit, diamanté

recta, diamantada

retto, diamantato

gebogen, diamantiert

curved, diamond coated

courbe, diamanté

curva, diamantada

curvo, diamantato

x = 11.0 mm x 0.75 mm

140 mm - 5 1/2"

12-1624

12-1625

12-1626

12-1627

mit Sperre, feines Maul

with ratchet, fine jaws

avec crémaillère, mors fine

con cremallera, boca fina

con cremagliera, morso fino

gerade

straight

droit

recta

retto

gebogen

curved

courbe

curva

curvo

gerade, diamantiert

straight, diamond coated

droit, diamanté

recta, diamantada

retto, diamantato

gebogen, diamantiert

curved, diamond coated

courbe, diamanté

curva, diamantada

curvo, diamantato



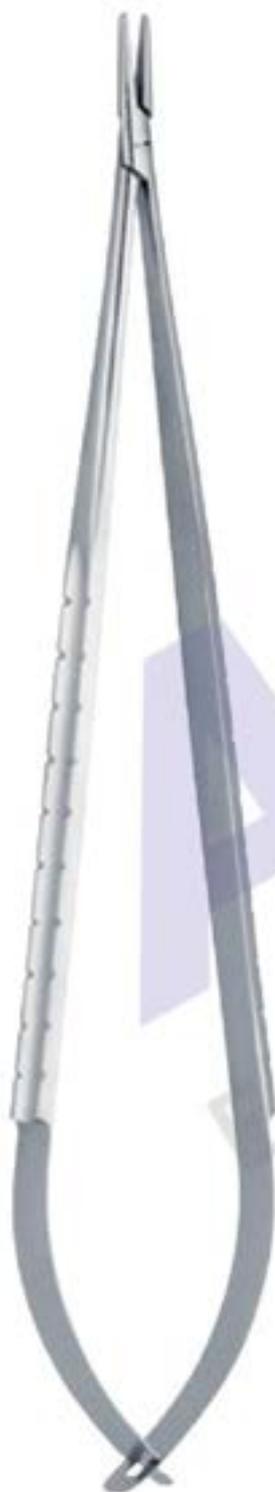
1:1

MICRO NEEDLE HOLDERS



JACOBSON				
	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm - 7*	12-1628	12-1629	12-1630	12-1631
ohne Sperre without ratchet	gerade straight	gebogen curved	gerade, diamantiert straight, diamond coated	gebogen, diamantiert curved, diamond coated
sans crémaillère sin cremallera senza cremagliera	droit recta retto	courbe curva curvo	droit, diamanté recta, diamantada retto, diamantato	courbe, diamanté curva, diamantada curvo, diamantato
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm - 7*	12-1632	12-1633	12-1634	12-1635
mit Sperre with ratchet	gerade straight	gebogen curved	gerade, diamantiert straight, diamond coated	gebogen, diamantiert curved, diamond coated
avec crémaillère con cremallera con cremagliera	droit recta retto	courbe curva curvo	droit, diamanté recta, diamantada retto, diamantato	courbe, diamanté curva, diamantada curvo, diamantato
	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm - 7*	12-1636	12-1637	12-1638	12-1639
ohne Sperre without ratchet	gerade, glatt straight, smooth	gebogen, glatt curved, smooth	gerade, gerieft straight, serrated	gebogen, gerieft curved, serrated
sans crémaillère sin cremallera senza cremagliera	droit, lisse recta, liso retto, liscio	courbe, lisse curva, lisa curvo, liscio	droit, strié recta, estriada retto, zigrinato	courbe, strié curva, estriada curvo, zigrinato
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm - 7*	12-1640	12-1641	12-1642	12-1643
mit Sperre with ratchet	gerade, glatt straight, smooth	gebogen, glatt curved, smooth	gerade, gerieft straight, serrated	gebogen, gerieft curved, serrated
avec crémaillère con cremallera con cremagliera	droit, lisse recta, liso retto, liscio	courbe, lisse curva, lisa curvo, liscio	droit, strié recta, estriada retto, zigrinato	courbe, strié curva, estriada curvo, zigrinato

MICRO NEEDLE HOLDERS



YASARGIL				
	 1:1	 1:1	 1:1	 1:1
180 mm – 7°	12-1644	12-1646	12-1648	12-1650
200 mm – 8°	12-1645	12-1647	12-1649	12-1651
ohne Sperre without ratchet sans crémaillère sin cremallera senza cremagliera	gerade straight droit recta retto	gebogen curved courbe curva curvo	gerade, diamantiert straight, diamond coated droit, diamanté recta, diamantada retto, diamantato	gebogen, diamantiert curved, diamond coated courbe, diamanté curva, diamantada curvo, diamantato
180 mm – 7°	12-1652	12-1654	12-1656	12-1658
200 mm – 8°	12-1653	12-1655	12-1657	12-1659
mit Sperre with ratchet avec crémaillère con cremallera con cremagliera	gerade straight droit recta retto	gebogen curved courbe curva curvo	gerade, diamantiert straight, diamond coated droit, diamanté recta, diamantada retto, diamantato	gebogen, diamantiert curved, diamond coated courbe, diamanté curva, diamantada curvo, diamantato

MICRO NEEDLE HOLDERS WITH ROUND HANDLE



YASARGIL				
	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm - 8 1/4"*	12-1660	12-1661	12-1662	12-1663
ohne Sperre without ratchet	gerade straight	gebogen curved	gerade, diamantiert straight, diamond coated	gebogen, diamantiert curved, diamond coated
sans crémaillère	droit	courbe	droit, diamanté	courbe, diamanté
sin cremallera	recta	curva	recta, diamantado	curva, diamantado
senza cremagliera	retto	curvo	retto, diamantato	curvo, diamantato
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm - 8 1/4"*	12-1664	12-1665	12-1666	12-1667
mit Sperre with ratchet	gerade straight	gebogen curved	gerade, diamantiert straight, diamond coated	gebogen, diamantiert curved, diamond coated
avec crémaillère	droit	courbe	droit, diamanté	courbe, diamanté
con cremallera	recta	curva	recta, diamantada	curva, diamantada
con cremagliera	retto	curvo	retto, diamantato	curvo, diamantato
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm - 8 1/4"*	12-1668	12-1669	12-1670	12-1671
ohne Sperre without ratchet	gerade, glatt straight, smooth	gebogen, glatt curved, smooth	gerade, gerieft straight, serrated	gebogen, gerieft curved, serrated
sans crémaillère	droit, lisse	courbe, lisse	droit, strié	courbe, strié
sin cremallera	recta, lisa	curva, lisa	recta, estriada	curva, estriada
senza cremagliera	retto, liscio	curvo, liscio	retto, zigrinato	curvo, zigrinato
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm - 8 1/4"*	12-1672	12-1673	12-1674	12-1675
mit Sperre with ratchet	gerade, glatt straight, smooth	gebogen, glatt curved, smooth	gerade, gerieft straight, serrated	gebogen, gerieft curved, serrated
avec crémaillère	droit, lisse	courbe, lisse	droit, strié	courbe, strié
con cremallera	recta, lisa	curva, lisa	recta, estriada	curva, estriada
con cremagliera	retto, liscio	curvo, liscio	retto, zigrinato	curvo, zigrinato



Auf Anfrage mit kräftigem Maul 1.5 mm - 2.0 mm lieferbar.

On request also available with stronger jaw 1.5 mm - 2.0 mm.

Egalement disponible avec mors plus gros 1.5 mm - 2.0 mm.

También disponible con boca mas fuerte 1.5 mm - 2.0 mm.

A richiesta fornibile anche con morso più forte di mm 1.5 a mm 2.0.

MICRO NEEDLE HOLDERS WITH ROUND HANDLE



110 mm - 4 1/2°	8 mm Ø	12-1676	12-1683
125 mm - 5°	7 mm Ø	12-1677	12-1684
130 mm - 5°	8 mm Ø	12-1678	12-1685
130 mm - 5°	10 mm Ø	12-1679	12-1686
150 mm - 6°	8 mm Ø	12-1680	12-1687
180 mm - 7°	8 mm Ø	12-1681	12-1688
180 mm - 7°	10 mm Ø	12-1682	12-1689

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo

110 mm - 4 1/2°	8 mm Ø	12-1690	12-1697
125 mm - 5°	7 mm Ø	12-1691	12-1698
130 mm - 5°	8 mm Ø	12-1692	12-1699
130 mm - 5°	10 mm Ø	12-1693	12-1700
150 mm - 6°	8 mm Ø	12-1694	12-1701
180 mm - 7°	8 mm Ø	12-1695	12-1702
180 mm - 7°	10 mm Ø	12-1696	12-1703

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo



BARRAQUER

140 mm - 5 1/2"*	8 mm Ø	12-1704	12-1705	12-1706	12-1707
ohne Sperre, sehr feines Maul <i>without ratchet, extra delicate jaws</i>		gerade <i>straight</i>	gebogen <i>curved</i>	gerade, diamantiert <i>straight, diamond coated</i>	gebogen, diamantiert <i>curved, diamond coated</i>
sans crémaillère, mors très fine <i>sin cremallera, boca muy fina</i>		droit <i>recta</i>	courbe <i>curve</i>	droit, diamanté <i>recta, diamantada</i>	courbe, diamanté <i>curva, diamantada</i>
senza cremagliera, morso molto fino		retto	curvo	retto, diamantato	curvo, diamantato
140 mm - 5 1/2"*	8 mm Ø	12-1708	12-1709	12-1710	12-1711
mit Sperre, sehr feines Maul <i>with ratchet, extra delicate jaws</i>		gerade <i>straight</i>	gebogen <i>curved</i>	gerade, diamantiert <i>straight, diamond coated</i>	gebogen, diamantiert <i>curved, diamond coated</i>
avec crémaillère, mors très fine <i>con cremallera, boca muy fina</i>		droit <i>recta</i>	courbe <i>curve</i>	droit, diamanté <i>recta, diamantada</i>	courbe, diamanté <i>curva, diamantada</i>
con cremagliera, morso molto fino		retto	curvo	retto, diamantato	curvo, diamantato



1:1

MICRO NEEDLE HOLDERS



150 mm - 6°	9 mm Ø	12-1712
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ohne Sperre, gebogen
without ratchet, curved
sans crémaillère, courbe
sin cremallera, curvo
senza cremagliera, curvo

1:1

MICRO NEEDLE HOLDERS



		
	0.3 mm x 0.4 mm	0.3 mm x 0.4 mm
180 mm - 7°	12-1715	12-1716

Titan, mit Sperre
 Titanium, with ratchet
 Titane, avec crémaillère
 Titano, con cremallera
 Titanio, con cremagliera

		
	0.8 mm x 0.8 mm	0.8 mm x 0.8 mm
185 mm - 7 1/4°	12-1713	12-1714

Titan, mit Sperre
 Titanium, with ratchet
 Titane, avec crémaillère
 Titano, con cremallera
 Titanio, con cremagliera

MICRO NEEDLE HOLDERS



	0.5 mm x 0.8 mm	0.5 mm x 0.8 mm
200 mm - 8°	12-1721	12-1722

Titan, mit Sperre
Titanium, with ratchet
Titane, avec crémaillère
Titano, con cremallera
Titanio, con cremagliera



	0.4 x 0.6 mm	0.4 x 0.6 mm	0.6 x 0.6 mm	0.6 x 0.6 mm
200 mm - 8°	12-1717	12-1718	12-1719	12-1720

Titan, mit Sperre
Titanium, with ratchet
Titane, avec crémaillère
Titano, con cremallera
Titanio, con cremagliera

MICRO NEEDLE HOLDERS



225 mm - 8 3/4"	12-1723	12-1726
stainless steel		
225 mm - 8 3/4"	12-1724	12-1727
225 mm - 8 3/4"	12-1725 Titan	12-1728 Titan

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

225 mm - 8 3/4"	12-1729	12-1730
stainless steel		
225 mm - 8 3/4"	12-1731	12-1732

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

MICRO NEEDLE HOLDERS



	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm - 8°	12-1733	12-1736	12-1739	12-1742
225 mm - 8 1/4°	12-1734	12-1737	12-1740	12-1743
240 mm - 9 1/2°	12-1735	12-1738	12-1741	12-1744

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo

	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm - 8°	12-1745	12-1748	12-1751	12-1754
225 mm - 8 1/4°	12-1746	12-1749	12-1752	12-1755
240 mm - 9 1/2°	12-1747	12-1750	12-1753	12-1756

ohne Sperre, diamantiert
without ratchet, diamond coated
sans crémaillère, diamanté
sin cremallera, diamantada
senza cremagliera, diamantato

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo



Diese Nadelhalter sind auch mit Sperre erhältlich.

These needle holders are also available with ratchet.

Ces porte aiguilles sont également disponibles avec crémaillère.

Estas porta agujas son también disponibles con cremallera.

Questi port'aghi son fornibili anche con cremagliera.

MICRO NEEDLE HOLDERS



JACOBSON				
180 mm - 7*	12-1757	12-1758	12-1759	12-1760
ohne Sperre without ratchet	gerade straight	gebogen curved	gerade, diamantiert straight, diamond coated	gebogen, diamantiert curved, diamond coated
sans crémaillère s/n cremallera	droit recta	courbe curva	droit, diamanté recta, diamantada	courbe, diamanté curva, diamantada
senza cremagliera	retto	curvo	retto, diamantato	curvo, diamantato
180 mm - 7*	12-1761	12-1762	12-1763	12-1764
mit Sperre with ratchet	gerade straight	gebogen curved	gerade, diamantiert straight, diamond coated	gebogen, diamantiert curved, diamond coated
avec crémaillère con cremallera	droit recta	courbe curva	droit, diamanté recta, diamantada	courbe, diamanté curva, diamantada
con cremagliera	retto	curvo	retto, diamantato	curvo, diamantato



Diese Nadelhalter sind auch mit Sperre erhältlich.
These needle holders are also available with ratchet.

Ces porte aiguilles sont également disponibles avec crémaillère.
Estas porta agujas son también disponibles con cremallera.
Questi port'aghi son fornibili anche con cremagliera.

MICRO NEEDLE HOLDERS



9 mm Ø	x = 1.0 mm			
230 mm - 9°	12-1765	12-1766	12-1767	12-1768

ohne Sperre <i>without ratchet</i>	gerade <i>straight</i>	gebogen <i>curved</i>	gerade, diamantiert <i>straight, diamond coated</i>	gebogen, diamantiert <i>curved, diamond coated</i>
sans crémaillère <i>sin cremallera</i> <i>senza cremagliera</i>	droit <i>recta</i> <i>retto</i>	courbe <i>curva</i> <i>curvo</i>	droit, diamanté <i>recta, diamantada</i> <i>retto, diamantato</i>	courbe, diamanté <i>curva, diamantada</i> <i>curvo, diamantato</i>

9 mm Ø	x = 1.0 mm			
230 mm - 9°	12-1769	12-1770	12-1771	12-1772

mit Sperre <i>with ratchet</i>	gerade <i>straight</i>	gebogen <i>curved</i>	gerade, diamantiert <i>straight, diamond coated</i>	gebogen, diamantiert <i>curved, diamond coated</i>
avec crémaillère <i>con cremallera</i> <i>con cremagliera</i>	droit <i>recta</i> <i>retto</i>	courbe <i>curva</i> <i>curvo</i>	droit, diamanté <i>recta, diamantada</i> <i>retto, diamantato</i>	courbe, diamanté <i>curva, diamantada</i> <i>curvo, diamantato</i>



9 mm Ø				
230 mm - 9°	12-1773	12-1774	12-1775	12-1776

ohne Sperre <i>without ratchet</i>	gerade, glatt <i>straight, smooth</i>	gebogen, glatt <i>curved, smooth</i>	gerade, gerieft <i>straight, serrated</i>	gebogen, gerieft <i>curved, serrated</i>
sans crémaillère <i>sin cremallera</i> <i>senza cremagliera</i>	droit, lisse <i>recta, lisa</i> <i>retto, liscio</i>	courbe, lisse <i>curva, lisa</i> <i>curvo, liscio</i>	droit, strié <i>recta, estriada</i> <i>retto, zigrinato</i>	courbe, strié <i>curva, estriada</i> <i>curvo, zigrinato</i>

9 mm Ø				
230 mm - 9°	12-1777	12-1778	12-1779	12-1780

mit Sperre <i>with ratchet</i>	gerade, glatt <i>straight, smooth</i>	gebogen, glatt <i>curved, smooth</i>	gerade, gerieft <i>straight, serrated</i>	gebogen, gerieft <i>curved, serrated</i>
avec crémaillère <i>con cremallera</i> <i>con cremagliera</i>	droit, lisse <i>recta, lisa</i> <i>retto, liscio</i>	courbe, lisse <i>curva, lisa</i> <i>curvo, liscio</i>	droit, strié <i>recta, estriada</i> <i>retto, zigrinato</i>	courbe, strié <i>curva, estriada</i> <i>curvo, zigrinato</i>

LAMINECTOMY PUNCHES



1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
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FERRIS- SMITH-KERRISON

	x = 150 mm - 6°	x = 180 mm - 7°	x = 200 mm - 8°	x = 230 mm - 9°
1 mm	12-1781	12-1788	12-1794	12-1800
2 mm	12-1782	12-1789	12-1795	12-1801
3 mm	12-1783	12-1790	12-1796	12-1802
4 mm	12-1784	12-1791	12-1797	12-1803
5 mm	12-1785	12-1792	12-1798	12-1804
6 mm	12-1786	12-1793	12-1799	12-1805
1 mm	12-1806	12-1812	12-1818	12-1824
2 mm	12-1807	12-1813	12-1819	12-1825
3 mm	12-1808	12-1814	12-1820	12-1826
4 mm	12-1809	12-1815	12-1821	12-1827
5 mm	12-1810	12-1816	12-1822	12-1828
6 mm	12-1811	12-1817	12-1823	12-1829
1 mm	12-1830	12-1836	12-1842	12-1848
2 mm	12-1831	12-1837	12-1843	12-1849
3 mm	12-1832	12-1838	12-1844	12-1850
4 mm	12-1833	12-1839	12-1845	12-1851
5 mm	12-1834	12-1840	12-1846	12-1852
6 mm	12-1835	12-1841	12-1847	12-1853
1 mm	12-1854	12-1856	12-1862	
2 mm	12-1855	12-1857	12-1863	12-1868
3 mm		12-1858	12-1864	12-1869
4 mm		12-1859	12-1865	12-1870
5 mm		12-1860	12-1866	12-1871
6 mm		12-1861	12-1867	12-1872

Dünne Fußplatte

Thin footplate

Plaque de coupe étroite

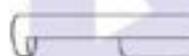
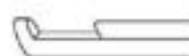
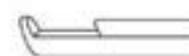
Lámina de punzonar estrecha

Battente sottile

DISMANTTABLE LAMINECTOMY PUNCHES



FERRIS- SMITH-KERRISON

	x = 180 mm - 7°	x = 200 mm - 8°	x = 230 mm - 9°
 1 mm	12-1873	12-1879	12-1885
2 mm	12-1874	12-1880	12-1886
3 mm	12-1875	12-1881	12-1887
4 mm	12-1876	12-1882	12-1888
5 mm	12-1877	12-1883	12-1889
6 mm	12-1878	12-1884	12-1890
 1 mm	12-1891	12-1897	12-1903
2 mm	12-1892	12-1898	12-1904
3 mm	12-1893	12-1899	12-1905
4 mm	12-1894	12-1900	12-1906
5 mm	12-1895	12-1901	12-1907
6 mm	12-1896	12-1902	12-1908
 1 mm	12-1909	12-1915	12-1921
2 mm	12-1910	12-1916	12-1922
3 mm	12-1911	12-1917	12-1923
4 mm	12-1912	12-1918	12-1924
5 mm	12-1913	12-1919	12-1925
6 mm	12-1914	12-1920	12-1926
 1 mm	12-1927	12-1933	12-1939
2 mm	12-1928	12-1934	12-1940
3 mm	12-1929	12-1935	12-1941
4 mm	12-1930	12-1936	12-1942
5 mm	12-1931	12-1937	12-1943
6 mm	12-1932	12-1938	12-1944

Dünne Fußplatte

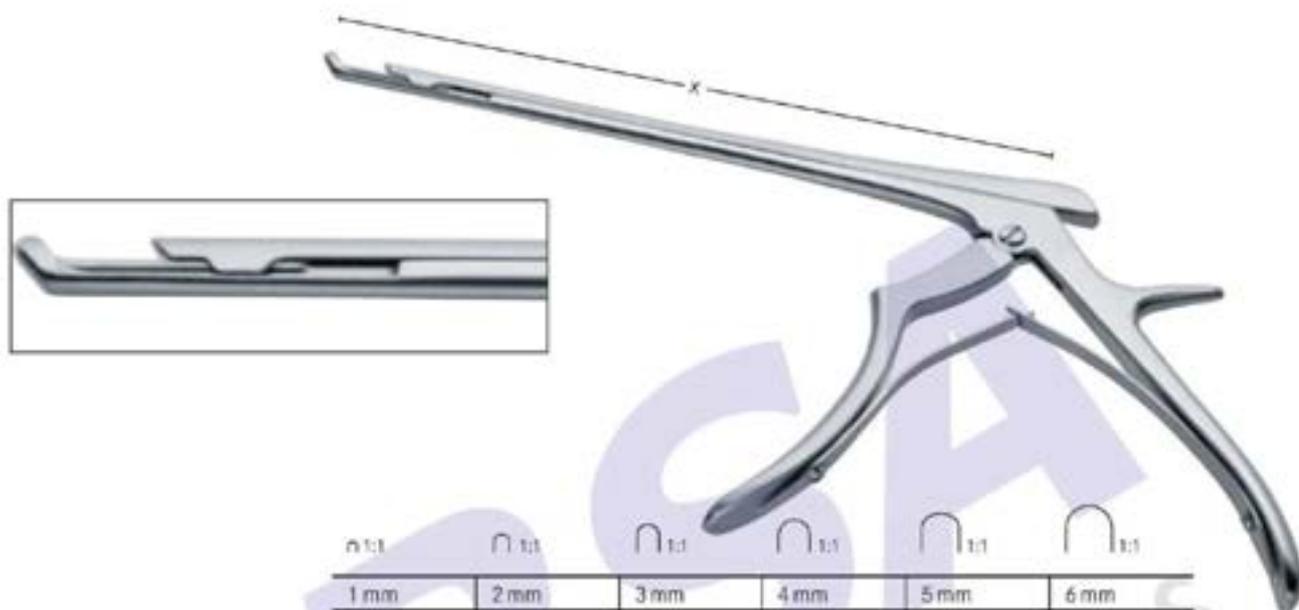
Thin footplate

Plaque de coupe étroite

Lámina de punzonar estrecha

Battente sottile

LAMINECTOMY PUNCHES



FERRIS- SMITH-KERRISON

	x = 150mm - 6°	x = 180mm - 7°	x = 200mm - 8°	x = 230mm - 9°
1 mm	12-1945	12-1951	12-1957	12-1963
2 mm	12-1946	12-1952	12-1958	12-1964
3 mm	12-1947	12-1953	12-1959	12-1965
4 mm	12-1948	12-1954	12-1960	12-1966
5 mm	12-1949	12-1955	12-1961	12-1967
6 mm	12-1950	12-1956	12-1962	12-1968
1 mm	12-1969	12-1975	12-1981	12-1987
2 mm	12-1970	12-1976	12-1982	12-1988
3 mm	12-1971	12-1977	12-1983	12-1989
4 mm	12-1972	12-1978	12-1984	12-1990
5 mm	12-1973	12-1979	12-1985	12-1991
6 mm	12-1974	12-1980	12-1986	12-1992
1 mm	12-1993	12-1999	12-2005	12-2011
2 mm	12-1994	12-2000	12-2006	12-2012
3 mm	12-1995	12-2001	12-2007	12-2013
4 mm	12-1996	12-2002	12-2008	12-2014
5 mm	12-1997	12-2003	12-2009	12-2015
6 mm	12-1998	12-2004	12-2010	12-2016

mit Auswerfer
with ejector

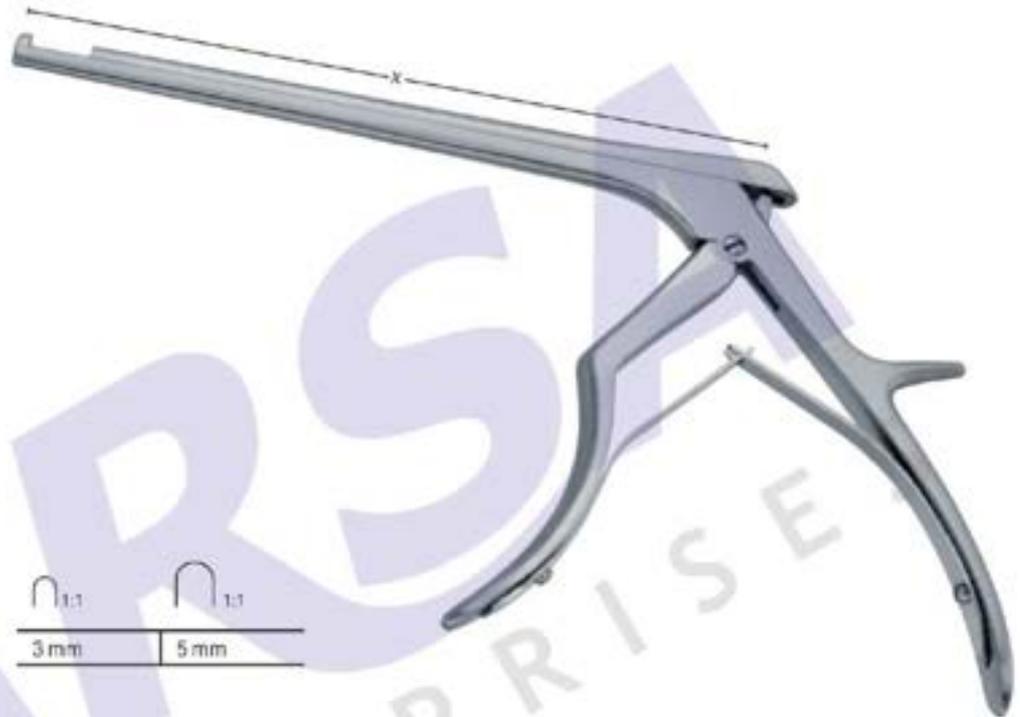
con expulsor
avec éjecteur
con espulsore



Auf Anfrage auch zerlegbar lieferbar.
On request also detachable available.

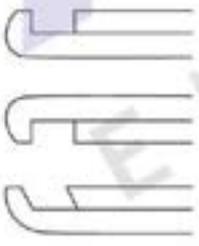
A petición también disponible desmontable.
Sue demande aussi disponible détachable.
A richiesta si fornisce anche smontabile.

LAMINECTOMY PUNCHES



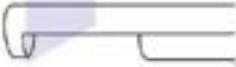
COLCLOUGH

	x = 150 mm - 6°	x = 200 mm - 8°
3 mm	12-2017	12-2019
5 mm	12-2018	12-2020
3 mm	12-2021	12-2023
5 mm	12-2022	12-2024
3 mm	12-2025	12-2027
5 mm	12-2026	12-2028



LAMINECTOMY PUNCHES



FERRIS-SMITH-KERRISON		
		x = 180 mm - 7°
	5 mm	12-2029
	5 mm	12-2030

LAMINECTOMY RONGEURS



CUSHING



1:1

	2 mm x 10 mm	2 mm x 10 mm	2 mm x 10 mm
x = 130 mm - 5°	12-2031	12-2035	12-2039
x = 150 mm - 6°	12-2032	12-2036	12-2040
x = 180 mm - 7°	12-2033	12-2037	12-2041
x = 220 mm - 8½°	12-2034	12-2038	12-2042

LOVE-GRUENWALD



1:1

	3 mm x 10 mm	3 mm x 10 mm	3 mm x 10 mm
x = 130 mm - 5°	12-2043	12-2047	12-2051
x = 150 mm - 6°	12-2044	12-2048	12-2052
x = 180 mm - 7°	12-2045	12-2049	12-2053
x = 220 mm - 8½°	12-2046	12-2050	12-2054

SPURLING



1:1

	4 mm x 10 mm	4 mm x 10 mm	4 mm x 10 mm
x = 130 mm - 5°	12-2055	12-2059	12-2063
x = 150 mm - 7°	12-2056	12-2060	12-2064
x = 180 mm - 7°	12-2057	12-2061	12-2065
x = 220 mm - 8½°	12-2058	12-2062	12-2066

CLOWARD

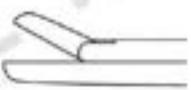
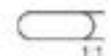


1:1

	6 mm x 10 mm		
x = 180 mm - 7°	12-2067		

LAMINECTOMY RONGEURS



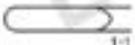
				
FERRIS-SMITH		x = 180 mm - 7"	x = 180 mm - 7"	x = 180 mm - 7"
 1:1	2 mm x 10 mm	12-2068	12-2072	12-2075
 1:1	3 mm x 10 mm	12-2069	12-2073	12-2076
 1:1	4 mm x 10 mm	12-2070	12-2074	12-2077
 1:1	6 mm x 10 mm	12-2071		



Andere Längen und Ausführungen sind auf Anfrage lieferbar.
 Other lengths and executions are available upon request.
 Autres longueurs et exécutions sont disponibles sur demande.
 Otras longitudes y ejecuciones son disponibles según demanda.
 Altre lunghezze e modelli fornibili a richiesta.

LAMINECTOMY RONGEURS



				
CASPAR		x = 155 mm - 6°	x = 155 mm - 6°	x = 155 mm - 6°
 1:1	2 mm	12-2078	12-2082	12-2085
 1:1	3 mm	12-2079	12-2083	12-2086
 1:1	4 mm	12-2080	12-2084	12-2087
 1:1	5 mm	12-2081		

LAMINECTOMY RONGEURS



OLDENBERG

x = 180 mm - 7°	3.5 mm Ø	6.0 mm Ø
170 mm - 6½°	12-2088	12-2089



SCHLESINGER

	3 mm x 10 mm
	x = 125 mm - 5°
190 mm - 7½°	12-2090

gezahnt
saw edge
dentelé
dentada
dentata

LAMINECTOMY RONGEURS



Maul gefenstert und gezahnt
Jaw fenestrated and serrated
Mors fenêtré et dentelé
Boca con orificio y dentada
Morso finestrato e dentellato



CASPAR

	x= 140 mm - 5 1/2"	x= 160 mm - 6 1/4"	x= 185 mm - 7 1/4"
2 mm x 12 mm	12-2091	12-2094	12-2099
3 mm x 12 mm	12-2092	12-2095	12-2100
4 mm x 14 mm	12-2093	12-2096	12-2101
5 mm x 14 mm		12-2097	12-2102
6 mm x 16 mm		12-2098	12-2103



	x= 140 mm - 5 1/2"	x= 160 mm - 6 1/4"	x= 185 mm - 7 1/4"
3 mm x 12 mm	12-2104	12-2106	12-2109
4 mm x 14 mm	12-2105	12-2107	12-2110
5 mm x 14 mm		12-2108	12-2111



	x= 140 mm - 5 1/2"	x= 160 mm - 6 1/4"	x= 185 mm - 7 1/4"
3 mm x 12 mm	12-2112	12-2114	12-2116
4 mm x 14 mm	12-2113	12-2115	12-2117

RIB SHEARS



RIB SHEARS



LBSCHER

245 mm - 9 1/2"*

12-2123

1:3

BRUNNER

320 mm - 12 1/2"*

12-2124

12-2125

1:3

für die rechte Hand
for the right hand
pour la main droite
para la mano derecha
per la mano destra

für die linke Hand
for the left hand
pour la main gauche
para la mano izquierda
per la mano sinistra



SAUERBRUCH-FREY

360 mm - 14 1/4"*

12-2126

1:3

RIB SHEARS



SAUERBRUCH

260 mm - 10 $\frac{1}{4}$ " **12-2127**



GIERTZ-STILLE

270 mm - 10 $\frac{3}{8}$ " **12-2128**



BETHUNE

340 mm - 13 $\frac{1}{2}$ " **12-2129**

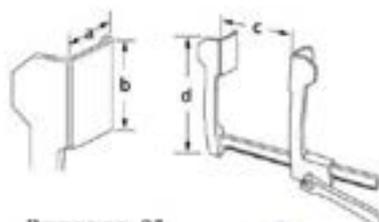
13

ARSA
ENTERPRISES

THORAX, LUNG



RIB RETRACTORS



BURFORD 8°

	a	b	c	d
13-1001	45 mm	62 mm	165 mm	200 mm
	65 mm	62 mm		

für Erwachsene, mit 2 Paar auswechselbaren Valven, Aluminium
for adults, with 2 pairs of interchangeable blades, aluminium
pour adultes, avec 2 paires de valves interchangeables, aluminium
para adultos, con 2 pares de valvas intercambiables, aluminio
per adulti, con 2 paia di valve intercambiabili, alluminio

BURFORD 10°

	a	b	c	d
13-1002	45 mm	62 mm	250 mm	200 mm
	65 mm	62 mm		

für Erwachsene, mit 2 Paar auswechselbaren Valven, Aluminium
for adults, with 2 pairs of interchangeable blades, aluminium
pour adultes, avec 2 paires de valves interchangeables, aluminium
para adultos, con 2 pares de valvas intercambiables, aluminio
per adulti, con 2 paia di valve intercambiabili, alluminio

BURFORD 12°

	a	b	c	d
13-1003	45 mm	62 mm	290 mm	200 mm
	62 mm	62 mm		

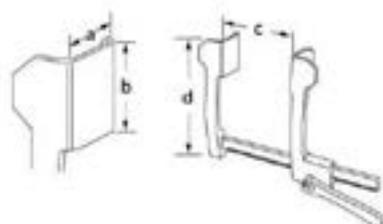
für Erwachsene, mit 2 Paar auswechselbaren Valven, Aluminium
for adults, with 2 pairs of interchangeable blades, aluminium
pour adultes, avec 2 paires de valves interchangeables, aluminium
para adultos, con 2 pares de valvas intercambiables, aluminio
per adulti, con 2 paia di valve intercambiabili, alluminio

BURFORD

	a	b	c	d
13-1004	34 mm	42 mm	135 mm	117 mm
	48 mm	42 mm		

für Kinder, mit 2 Paar auswechselbaren Valven, Aluminium
for children, with 2 pairs of interchangeable blades, aluminium
pour enfants, avec 2 paires de valves interchangeables, aluminium
para niños, con 2 pares de valvas intercambiables, aluminio
per bambini, con 2 paia di valve intercambiabili, alluminio

RIB RETRACTORS



FINOCHIETTO

	a	b	c	d
13-1005	85 mm	65 mm	175 mm	145 mm

grosses Modell, für Erwachsene, Aluminium
large size, for adults, aluminium

grand modèle, pour adultes, aluminium
modelo grande, para adultos, aluminio
modello grande, per adulti, alluminio

FINOCHIETTO

	a	b	c	d
13-1006	52 mm	62 mm	175 mm	145 mm

mittleres Modell, für Erwachsene, Aluminium
medium size, for adults, aluminium

moyen modèle, pour adultes, aluminium
modelo medio, para adultos, aluminio
modello medio, per adulti, alluminio

FINOCHIETTO

	a	b	c	d
13-1007	38 mm	44 mm	135 mm	110 mm

kleines Modell, auch für Kinder geeignet, Aluminium
small size, for children too, aluminium

petit modèle, également pour enfants, aluminium
modelo pequeño, también para niños, aluminio
modello piccolo, pure per bambini, alluminio

FINOCHIETTO- BABY-HAIGHT

	a	b	c	d
13-1008	27 mm	30 mm	95 mm	80 mm

für Kinder, Aluminium
for children, aluminium

pour enfants, aluminium
para niños, aluminio
per bambini, alluminio

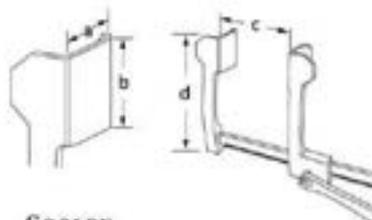
FINOCHIETTO- INFANT

	a	b	c	d
13-1009	12 mm	15 mm	70 mm	55 mm

für Säuglinge, Aluminium
for infants, aluminium

pour nourissons, aluminium
para lactantes, aluminio
per lattanti, alluminio

RIB RETRACTORS



COOLEY

	a	b	c	d
13-1010	35 mm	100 mm	180 mm	180 mm

für Erwachsene, Aluminium
for adults, aluminium
pour adultes, aluminium
para adultos, aluminio
per adulti, alluminio

COOLEY

	a	b	c	d
13-1011	35 mm	115 mm	230 mm	205 mm

extra gross, für Erwachsene, Aluminium
extra large, for adults, aluminium
extra grand, pour adultes, aluminium
extra grande, para adultos, aluminio
extra grande, per adulti, alluminio

COOLEY

	a	b	c	d
13-1012	35 mm	50 mm	200 mm	145 mm

für Erwachsene, Standardgröße, modifiziert, Aluminium
for adults, standard size, modified, aluminium
pour adultes, standard, modifié, aluminium
para adultos, estandar, modificado, aluminio
per adulti, standard, modificato, alluminio

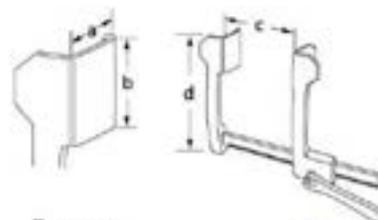
COOLEY

	a	b	c	d
13-1013	20 mm	45 mm	140 mm	110 mm

für Kinder, modifiziert, Aluminium
for children, modified, aluminium
pour enfants, modifié, aluminium
para niños, modificado, aluminio
per bambini, modificato, alluminio



RIB RETRACTORS



COOLEY

	a	b	c	d
13-1014	30 mm	35 mm	140 mm	110 mm

für Kinder, Aluminium
for children, aluminium
pour enfants, aluminium
para niños, aluminio
per bambini, alluminio

COOLEY

	a	b	c	d
13-1015	20 mm	25 mm	100 mm	80 mm

für Säuglinge, Aluminium
for infants, aluminium
pour nourissons, aluminium
para lactantes, aluminio
per lattanti, alluminio

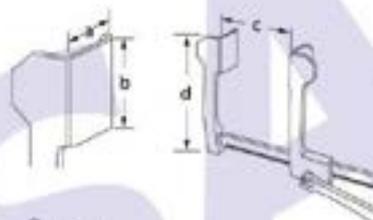


COOLEY

	a	b	c	d
13-1016	12 mm	15 mm	70 mm	55 mm

für Neugeborene, Aluminium
for newborns, aluminium
pour nouveau-nés, aluminium
para recién nacidos, aluminio
per neonati, alluminio

RIB RETRACTORS



COOLEY

	a	b	c	d
13-1017	15 mm	30 mm	140 mm	80 mm

für Kinder, Sternotomiespreizer, leicht aber trotzdem kräftig, Aluminium
 for children, sternal spreader, light-weight but sturdy, aluminium
 pour enfants, écarteur sternal, léger mais fort, aluminium
 para niños, separador sternal, ligero y fuerte, aluminio
 per bambini, divaricatore sternale, leggero ma forte, alluminio

COOLEY

	a	b	c	d
13-1018	12 mm	13 mm	95 mm	55 mm

für Neugeborene, Aluminium
 for newbornes, aluminium
 pour nouveau-nés, aluminium
 para recién nacidos, aluminio
 per neonati, alluminio

COOLEY

	a	b	c	d
13-1019	15 mm	20 mm	100 mm	80 mm

für Säuglinge, Sternotomiespreizer mit Dornen, Aluminium
 for infants, sternal spreader with prongs, aluminium
 pour nourissons, écarteur sternal avec poinçons, aluminium
 para lactantes, separador sternal con espigas, aluminio
 per lattanti, divaricatore sternale con spine, alluminio

RIB RETRACTORS



MORSE STERNAL

	a	b	c	d	e
13-1020	20 mm	20 mm	155 mm	120 mm	50 mm

mit 2 Paar beweglichen Valven, für Kinder,
 Biegung der Spreizarme zwischen den Valven, Aluminium
with 2 pairs movable blades, for children, arms curved between blades, aluminium
 avec 2 paires de valves mobiles, pour enfants, courbure entre les valves, aluminium
 con 2 pares de valvas móviles, para niños, curvado entre las valvas, aluminio
 con 2 paia di valve mobili, per bambini, branche curvate, alluminio

MORSE-FAVALORO STERNAL

	a	b	c	d	e
13-1021	40 mm	20 mm	155 mm	175 mm	65 mm

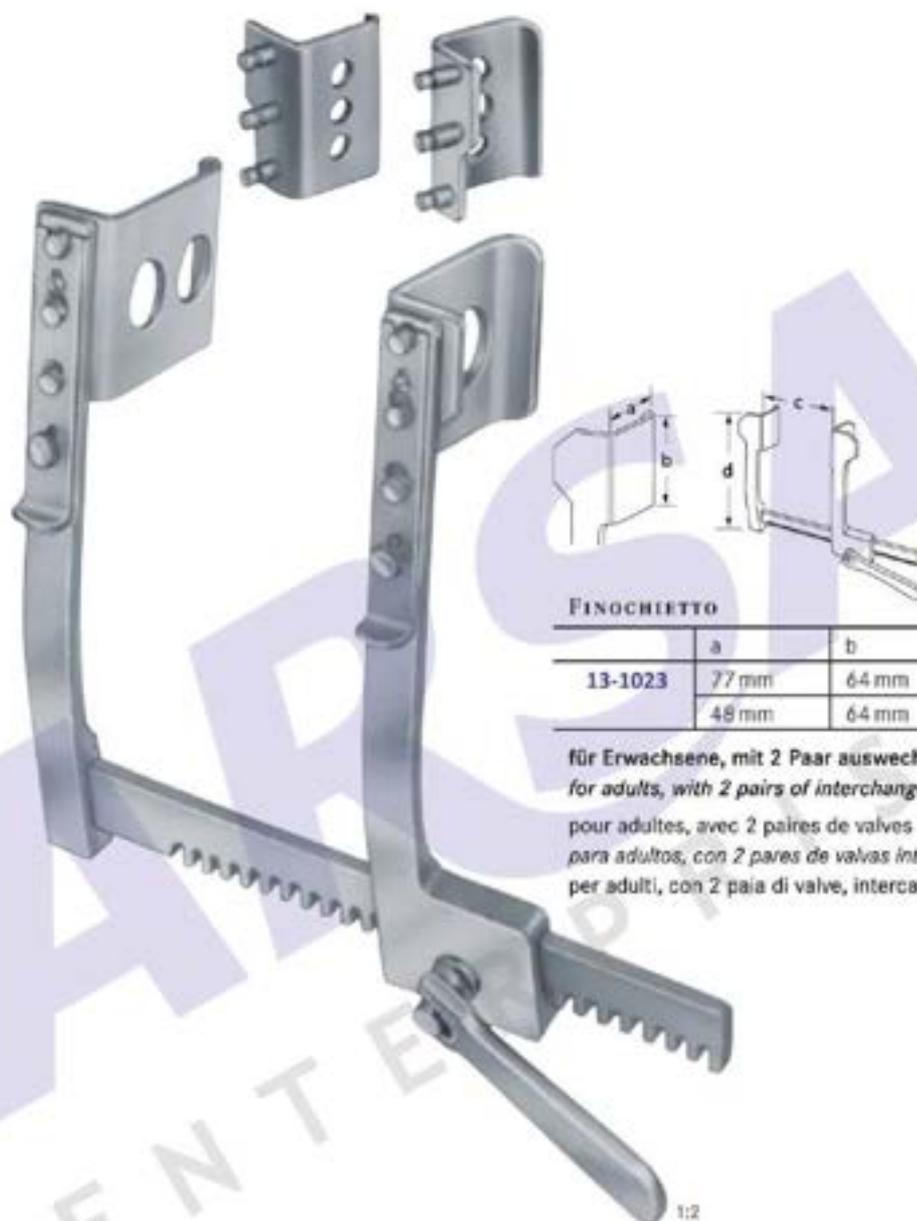
mit 2 Paar beweglichen Valven, für Erwachsene,
 Biegung der Spreizarme zwischen den Valven, Aluminium
with 2 pairs movable blades, for adults, arms curved between blades, aluminium
 avec 2 paires de valves mobiles, pour adultes, courbure entre les valves, aluminium
 con 2 pares de valvas móviles, para adultos, curvado entre las valvas, aluminio
 con 2 paia di valve mobili, per adulti, branche curvate, alluminio

MORSE-FAVALORO STERNAL

	a	b	c	d	e
13-1022	17 mm	22 mm	160 mm	120 mm	50 mm

mit 2 Paar beweglichen Valven, für Kinder, Biegung der Spreizarme zwischen
 den Valven, Aluminium
with 2 pairs movable blades, for children, arms curved between blades, aluminium
 avec 2 paires de valves mobiles, pour enfants, courbure entre les valves, aluminium
 con 2 pares de valvas móviles, para niños, curvado entre las valvas, aluminio
 con 2 pala di valve mobili, per bambini, branche curvate, alluminio

RIB RETRACTORS



FINOCHIETTO

	a	b	c	d
13-1023	77 mm	64 mm	260 mm	195 mm
	48 mm	64 mm		

für Erwachsene, mit 2 Paar auswechselbaren Valven, rostfrei
 for adults, with 2 pairs of interchangeable blades, stainless steel
 pour adultes, avec 2 paires de valves interchangeables, inoxydables
 para adultos, con 2 pares de valvas intercambiabiles, inoxidable
 per adulti, con 2 paia di valve, intercambiabili, inossidabile

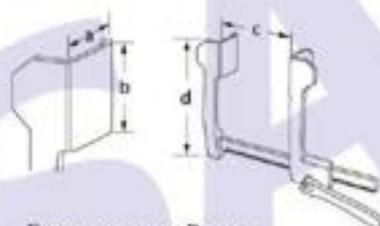


BABY-HAIGHT

	a	b	c	d
13-1024	28 mm	30 mm	85 mm	70 mm
13-1025	28 mm	30 mm	100 mm	75 mm

rostfrei
 stainless steel
 acier inoxydable
 acero inoxidable
 acciaio inossidabile

RIB RETRACTORS



FINOCHIETTO-BABY

	a	b	c	d
13-1026	14 mm	15 mm	75 mm	55 mm

rostfrei
stainless steel
acier inoxydable
acero inoxidable
acciaio inossidabile



FINOCHIETTO

	a	b	c	d
13-1027	40 mm	40 mm	165 mm	110 mm
13-1028	45 mm	65 mm	200 mm	140 mm
13-1029	70 mm	65 mm	250 mm	140 mm

rostfrei
stainless steel
acier inoxydable
acero inoxidable
acciaio inossidabile

RIB RETRACTORS



TUFFIER

	a	b	c	d
13-1030	50 mm	45 mm	165 mm	110 mm

rostfrei
stainless steel
acier inoxydable
acero inoxidable
acciaio inossidabile



FINOCHIETTO-INFANT

	a	b	c	d
13-1031	14 mm	15 mm	55 mm	25 mm

rostfrei
stainless steel
acier inoxydable
acero inoxidable
acciaio inossidabile

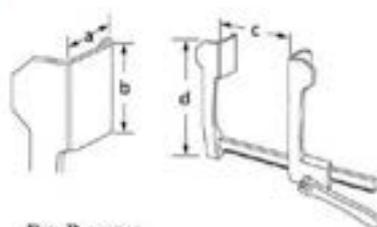


DE BOER (STERNAL)

	a	b	c	d
13-1032	30 mm	100 mm	210 mm	185 mm

rostfrei
stainless steel
acier inoxydable
acero inoxidable
acciaio inossidabile

RIB RETRACTORS



DE BAKEY

	a	b	c	d
13-1033	90 mm	30 mm	150 mm	180 mm
	40 mm	40 mm		
	50 mm	50 mm		

für Kinder, mit 3 Paar auswechselbaren Valven, rostfrei
for children, with 3 pairs of interchangeable blades, stainless steel
pour enfants, 3 paires de valves, interchangeables, inoxydable
para niños, 3 pares de valvas intercambiables, inoxidable
per bambini, 3 paia di valve intercambiabili, inossidabile

	a	b
13-1034	30 mm	30 mm
13-1035	40 mm	40 mm
13-1036	50 mm	50 mm

Valven-Paar, rostfrei für tk 24817-01

Pair of blades, stainless steel for tk 24817-01

Paire de valves, acier inoxydable pour tk 24817-01

Par de valvas, acero inoxidable para tk 24817-01

Paia di valve, acciaio inossidabile per tk 24817-01

DE BAKEY

	a	b	c	d
13-1037	40 mm	100 mm	200 mm	225 mm
	50 mm	80 mm		
	60 mm	60 mm		

für Erwachsene, mit 3 Paar auswechselbaren Valven, rostfrei
for adults, with 3 pairs of interchangeable blades, stainless steel
pour adultes, 3 paires de valves, interchangeables, inoxydable
para adultos, 3 pares de valvas intercambiables, inoxidable
per adulti, 3 paia di valve intercambiabili, inossidabile

	a	b
13-1038	40 mm	100 mm
13-1039	50 mm	80 mm
13-1040	60 mm	60 mm

Valven-Paar, rostfrei für tk 24817-02

Pair of blades, stainless steel for tk 24817-02

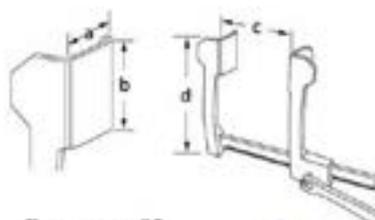
Paire de valves, acier inoxydable pour tk 24817-02

Par de valvas, acero inoxidable para tk 24817-02

Paia di valve, acciaio inossidabile per tk 24817-02



RIB RETRACTORS



BURFORD 8°

	a	b	c	d
13-1041	45 mm	62 mm	165 mm	200 mm
	65 mm	62 mm		

für Erwachsene, mit 2 Paar auswechselbaren Valven, Aluminium
for adults, with 2 pairs of interchangeable blades, aluminium
pour adultes, avec 2 paires de valves interchangeables, aluminium
para adultos, con 2 pares de valvas intercambiables, aluminio
per adulti, con 2 paia di valve intercambiabili, alluminio

BURFORD 10°

	a	b	c	d
13-1042	45 mm	62 mm	250 mm	200 mm
	65 mm	62 mm		

für Erwachsene, mit 2 Paar auswechselbaren Valven, Aluminium
for adults, with 2 pairs of interchangeable blades, aluminium
pour adultes, avec 2 paires de valves interchangeables, aluminium
para adultos, con 2 pares de valvas intercambiables, aluminio
per adulti, con 2 paia di valve intercambiabili, alluminio

BURFORD 12°

	a	b	c	d
13-1043	45 mm	62 mm	290 mm	200 mm
	62 mm	62 mm		

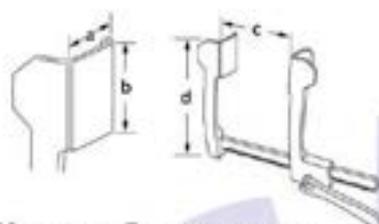
für Erwachsene, mit 2 Paar auswechselbaren Valven, Aluminium
for adults, with 2 pairs of interchangeable blades, aluminium
pour adultes, avec 2 paires de valves interchangeables, aluminium
para adultos, con 2 pares de valvas intercambiables, aluminio
per adulti, con 2 paia di valve intercambiabili, alluminio

BURFORD

	a	b	c	d
13-1044	34 mm	42 mm	135 mm	117 mm
	48 mm	42 mm		

für Kinder, mit 2 Paar auswechselbaren Valven, Aluminium
for children, with 2 pairs of interchangeable blades, aluminium
pour enfants, avec 2 paires de valves interchangeables, aluminium
para niños, con 2 pares de valvas intercambiables, aluminio
per bambini, con 2 paia di valve intercambiabili, alluminio

RIB RETRACTORS



MERCEDES THORAXSPERRER

	a	b	c	d
13-1045	45 mm	68 mm	285 mm	185 mm
	70 mm	75 mm		

für Erwachsene, mit 2 Paar auswechselbaren Valven mit Kugelschnellverschluss, rostfrei
for adults, with 2 pairs of interchangeable blades with ball snap system, stainless steel
 pour adultes, avec 2 paires de valves interchangeables fermeture à boules, inoxydables
 para adultos, con 2 pares de valves intercambiables fijación con bolas, inoxidable
 per adulti, con 2 paia di valve intercambiabili, inossidabile

	a	b
13-1046	45 mm	68 mm
13-1047	70 mm	75 mm

Valven-Paar, rostfrei
Pair of blades, stainless steel
 Paire de valves, acier inoxydable
 Par de valvas, acero inoxidable
 Paia di valve, acciaio inossidabile

RIB SHEARS



RIB SHEARS



LBSCHER

245 mm - 9 7/8"

13-1053

1:3



BRUNNER

320 mm - 12 1/2"

13-1054

1:3



SAUERBRUCH-FREY

360 mm - 14 1/4"

13-1056

1:3

für die rechte Hand
for the right hand
pour la main droite
para la mano derecha
per la mano destra

für die linke Hand
for the left hand
pour la main gauche
para la mano izquierda
per la mano sinistra

RIB SHEARS



1:3

SAUERBRUCH

260 mm - 10 $\frac{1}{4}$ " | **13-1057**



1:3

GIERTZ-STILLE

270 mm - 10 $\frac{3}{8}$ " | **13-1058**



1:3

BETHUNE

340 mm - 13 $\frac{1}{2}$ " | **13-1059**

RIB RETRACTORS

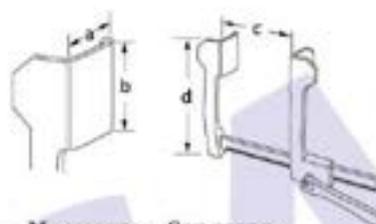


I.M.A.
13-1060

komplett
complete
complet
complete
completa

1 x	13-1061	1 x	13-1062	1 x	13-1063	1 x	13-1064	2 x	13-1065
Rahmen <i>frame</i>		Doppel-Valve <i>double blade</i>		Doppel-Valve mit Nut <i>double blade with groove</i>		T-Halterung <i>T-holder</i>		Universalklemmen <i>universal clamp</i>	
cadre		valve jumelée		valve jumelée avec rainure		T-support		pinze universale	
cuadro		valva doble		valva doble con la ranura		T-soporte		pinza universal	
quadro		valva doppia		valva doppia con gola		supporto a T		morsetto universal	
2 x	13-1066	1 x	13-1067	1 x	13-1068	2 x	13-1069		
Cooley Valve klein <i>Cooley blade small</i>		Cooley Valve mittel <i>Cooley blade medium</i>		Cooley Valve groß <i>Cooley blade large</i>		Ribbon Valve biegsam <i>Ribbon blade malleable</i>			
Cooley valve petit		Cooley valve moyen		Cooley valve grand		Ribbon valve malleable			
Cooley valva pequeña		Cooley valva mediana		Cooley valva grande		Ribbon valva malleable			
Cooley valva piccolo		Cooley valva media		Cooley valva grande		Ribbon valva flessibile			

THORACIC & I.M.A RETRACTORS



MAMMARIA-SPREIZER

	a	b	c	d
13-1070	50 mm	150 mm	134 mm	195 mm

mit abnehmbarer Kippvalve und Stellschraube zum Anheben der Brustwand bei der Mammaria-Dissektion, rostfrei
 with detachable tilting IMA-blade and set-screw to lift the sternal margin for the dissection of the IMA, stainless steel

avec valve mobile, démontable, écrou pour soulever le thorax pendant des dissections IMA, inoxydable

con valva móvil y desmontable, rosca para levantar el tórax durante la dissection IMA, inoxidable

con valve smontabili e vite di fissaggio per alzare lo sterno per dissezione IMA, inossidabile

LUNG SPATULA



ALLISON

300 mm - 12"	13-1071
320 mm - 12 $\frac{1}{2}$ "	13-1072



ALLISON

260 mm - 10 $\frac{1}{4}$ "	13-1073
310 mm - 12 $\frac{1}{4}$ "	13-1074

RIB CONTRACTORS



BAILEY
160 mm - 6 1/4" **13-1075**



BAILEY-BABY
140 mm - 5 1/2" **13-1076**



BAILEY-GIBBON
160 mm - 6 1/4" **13-1077**



SELLORS
190 mm - 7 1/2" **13-1078**



LEMMON
145 mm - 5 3/4" **13-1079**
180 mm - 7" **13-1080**

14

ARSA
ENTERPRISES

STOMACH, INTESTINE



TISSUE & INTESTINAL HOLDING FORCEPS



ALLIS-BABY

140 mm - 5½" **14-1001**

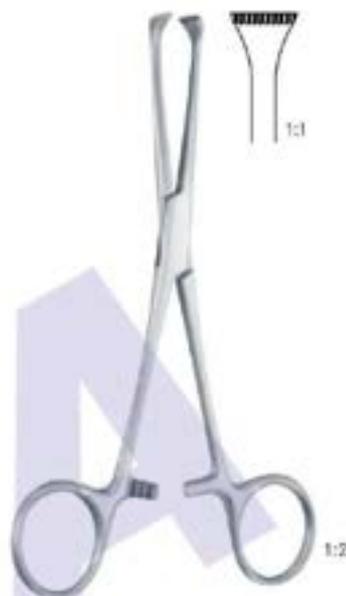
Zähne 4x5
Teeth
Dents
Dientes
Denti



ALLIS

150 mm - 6"	14-1002	14-1003
190 mm - 7½"		14-1004
250 mm - 9¾"		14-1005

Zähne 4x5 5x6
Teeth
Dents
Dientes
Denti



ALLIS-ADAIR

155 mm - 6" **14-1006**

Zähne 10x11
Teeth
Dents
Dientes
Denti



THOMS-ALLIS

200 mm - 8" **14-1007**

6x7



LOCKWOOD

200 mm - 8" **14-1008**



WILLIAMS

160 mm - 6½" **14-1009**

TISSUE & INTESTINAL HOLDING FORCEPS



LITTLEWOOD
190 mm - 7 1/2" **14-1010**

Zähne 2x3
Teeth
Dents
Dientes
Denti



BOYS-ALLIS
150 mm - 6" **14-1011**

Zähne 5x6
Teeth
Dents
Dientes
Denti



JUDD-ALLIS
150 mm - 6" **14-1012**
190 mm - 7 1/2" **14-1013**

Zähne 3x4
Teeth
Dents
Dientes
Denti



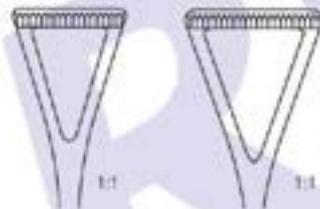
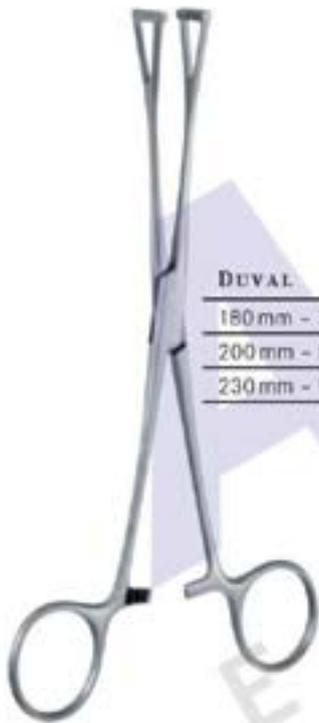
BABCOCK
160 mm - 6 1/4" **14-1014**
200 mm - 8" **14-1015**



BABCOCK
160 mm - 6 1/4" **14-1016**
180 mm - 7" **14-1017**
200 mm - 8" **14-1018**
240 mm - 9 1/2" **14-1019**



TISSUE & INTESTINAL HOLDING FORCEPS



DUVAL

180 mm - 7"	14-1020	
200 mm - 8"	14-1021	14-1023
230 mm - 9"	14-1022	14-1024



DUVAL

200 mm - 8"	14-1025
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TISSUE & INTESTINAL HOLDING FORCEPS



**BABCOCK-
ATRAUMA**



160 mm - 6 1/4"	200 mm - 8"
14-1026	14-1027



**DUVAL-
ATRAUMA**



200 mm - 8"	230 mm - 9"
14-1028	14-1029

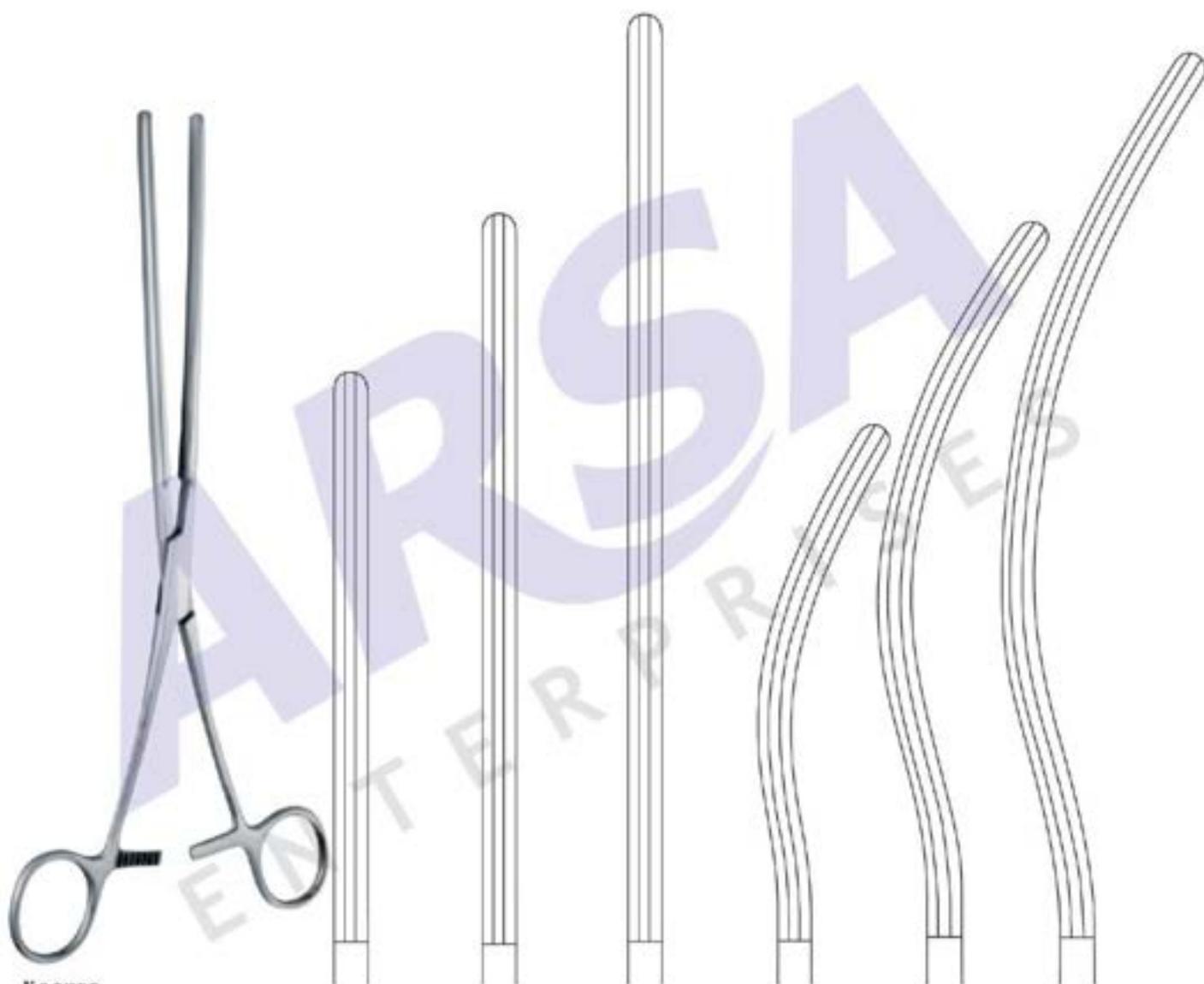


**ALLIS-
ATRAUMA**



160 mm - 6 1/4"	200 mm - 8"	250 mm - 9 1/4"
14-1030	14-1031	14-1032

INTESTINAL & STOMACH CLAMPS



KOCHER

220 mm - 8½"	250 mm - 9½"	280 mm - 11"	220 mm - 8½"	250 mm - 9½"	280 mm - 11"
14-1033	14-1034	14-1035	14-1036	14-1037	14-1038

INTESTINAL & STOMACH CLAMPS



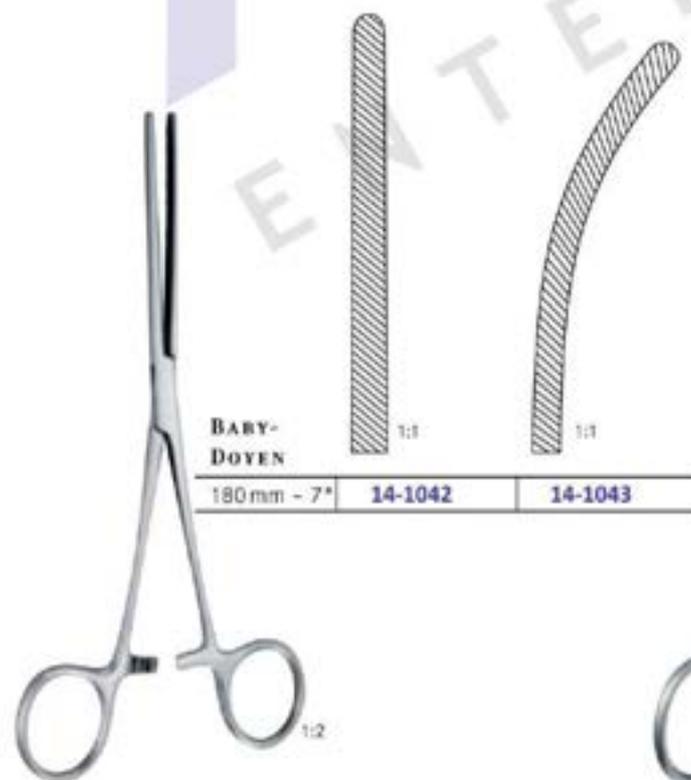
ALLEN
155 mm - 6" **14-1039**

1x2
Darmklemme für Kinder
Intestinal clamp for children
Pince intestinal pour enfants
Pinza intestinal para niños
Pinza intestinale per bambini

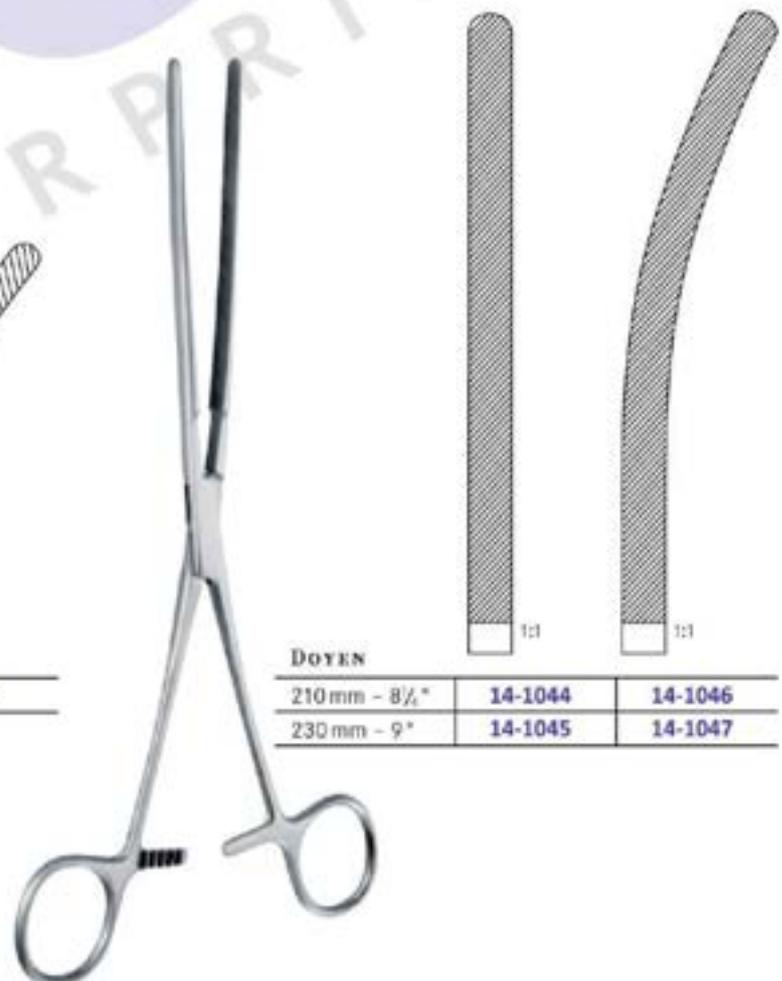


BABY-KOCHER
130 mm - 5" **14-1040** **14-1041**

Darmklemme für Kinder, sehr elastisch
Intestinal clamp for children, very elastic blades
Pince intestinal pour enfants, très élastique
Pinza intestinal para niños, muy elastica
Pinza intestinale per bambini, molto elastica

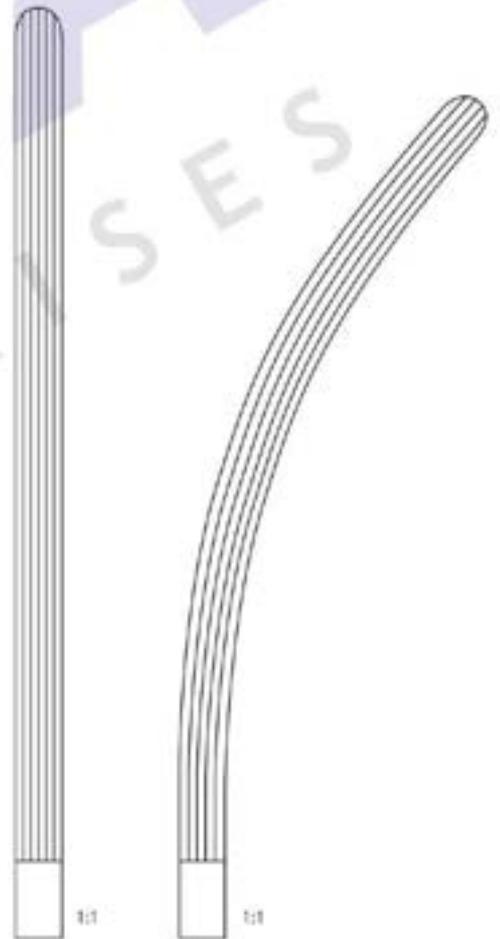
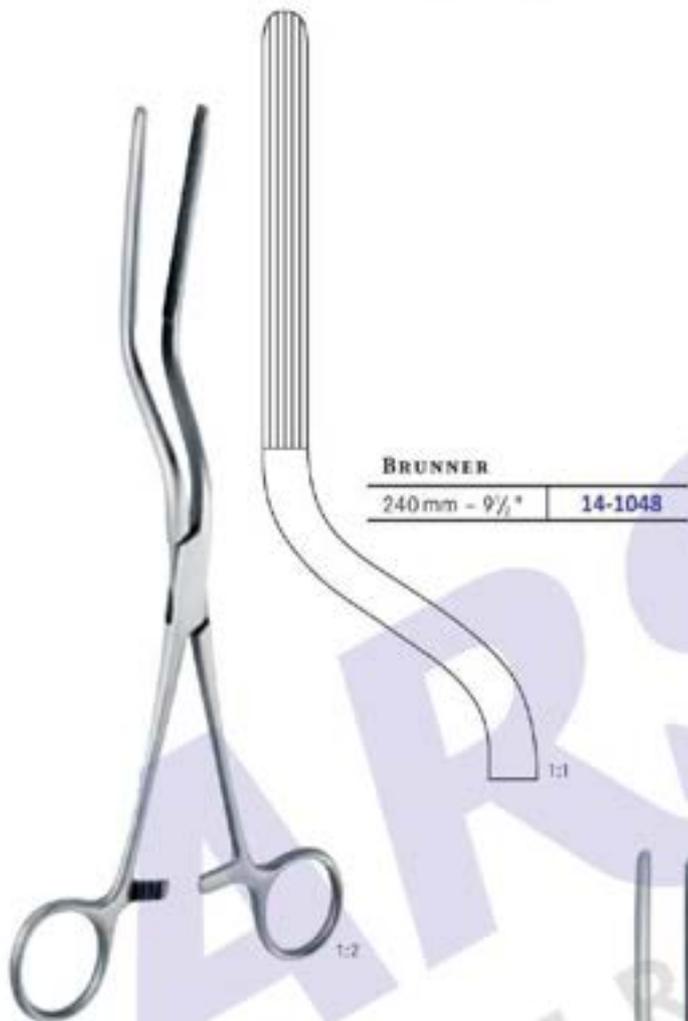


BABY-DOYEN
180 mm - 7" **14-1042** **14-1043**

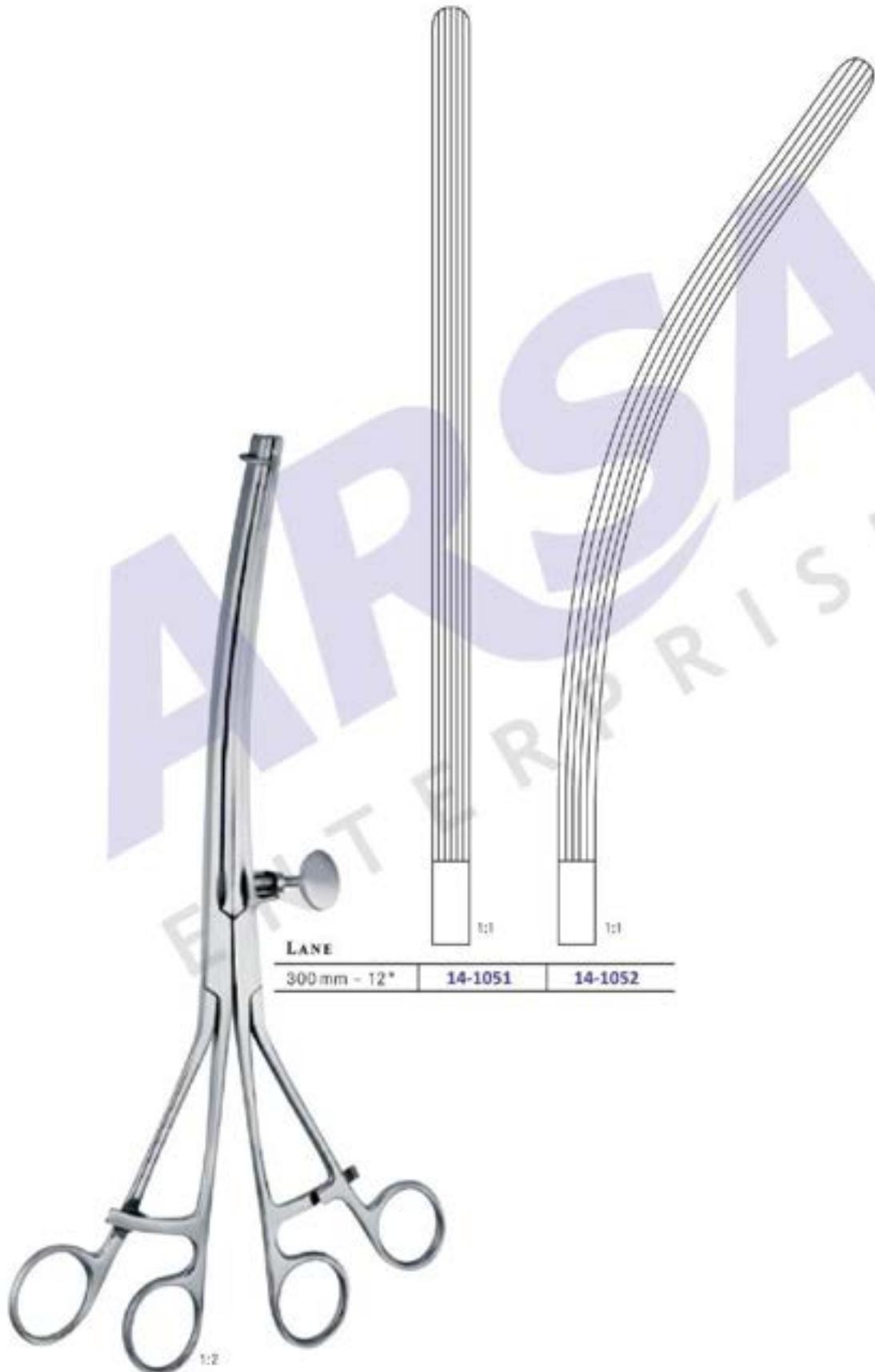


DOYEN
210 mm - 8 1/4" **14-1044** **14-1046**
230 mm - 9" **14-1045** **14-1047**

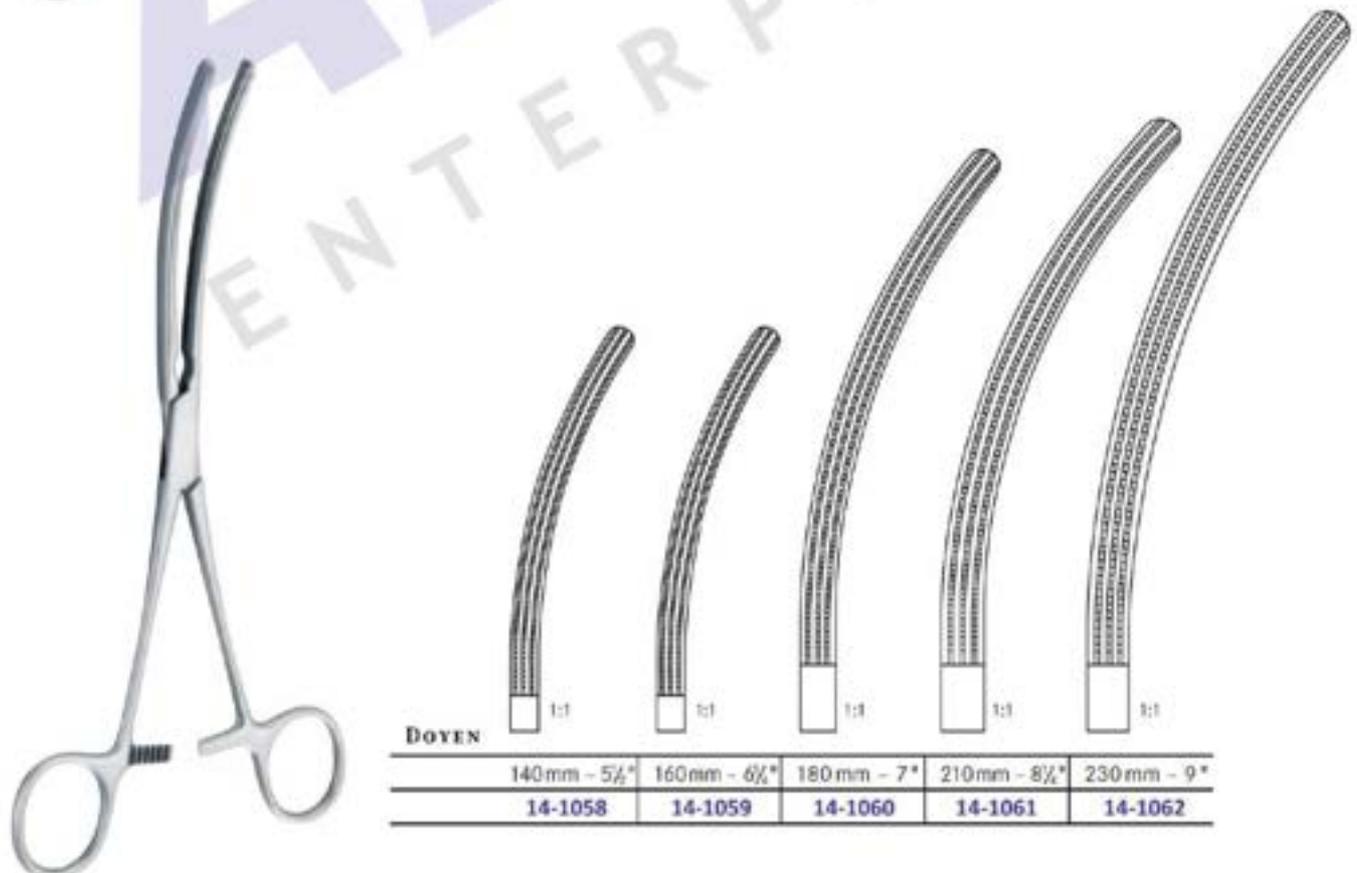
INTESTINAL & STOMACH CLAMPS



INTESTINAL & STOMACH CLAMPS



ATRAUMATIC INTESTINAL CLAMPS FORCEPS



ATRAUMATIC INTESTINAL CLAMPS FORCEPS



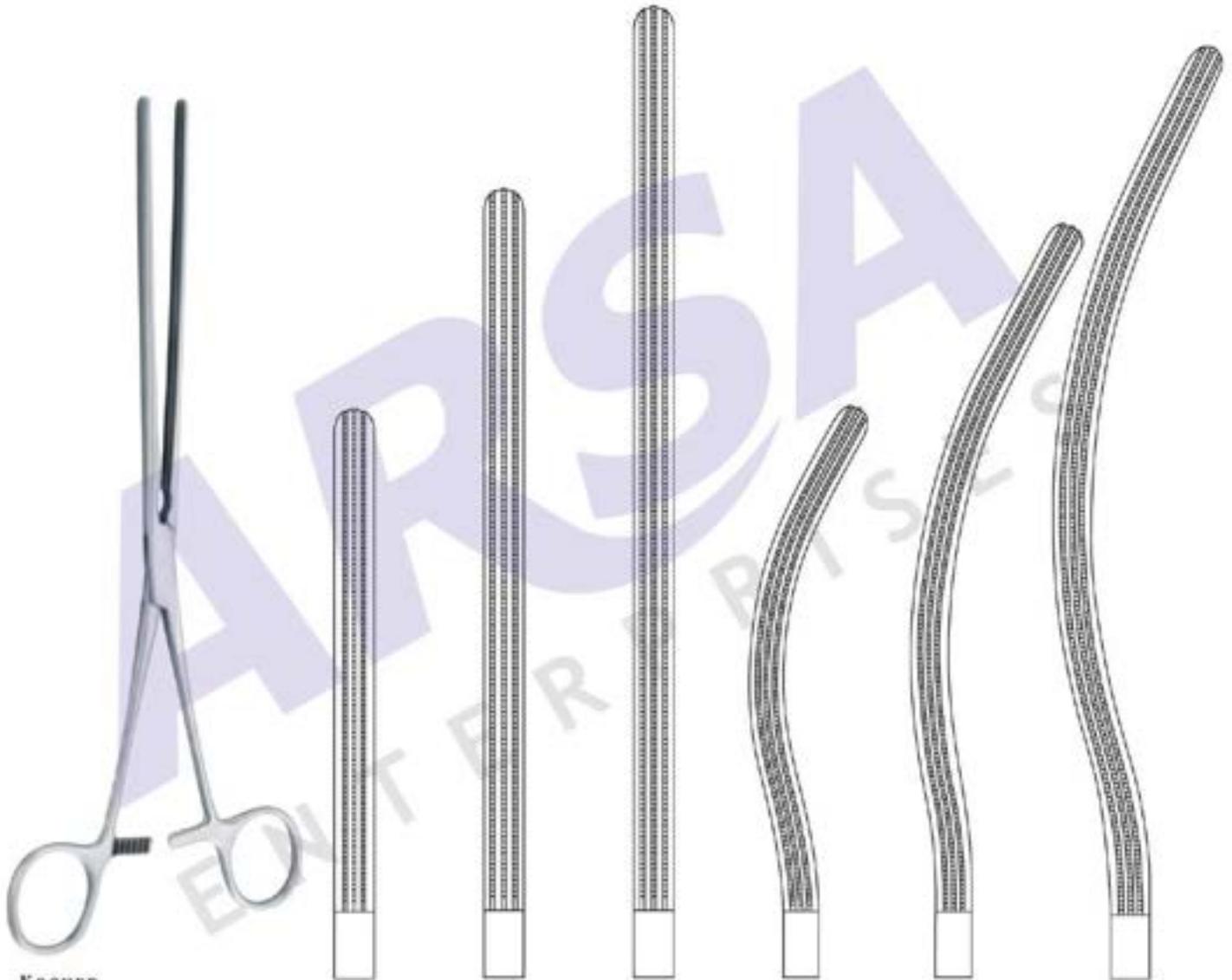
MAYO-ROBSON

250 mm - 9 7/8\"

14-1063

14-1064

ATRAUMATIC INTESTINAL CLAMPS FORCEPS



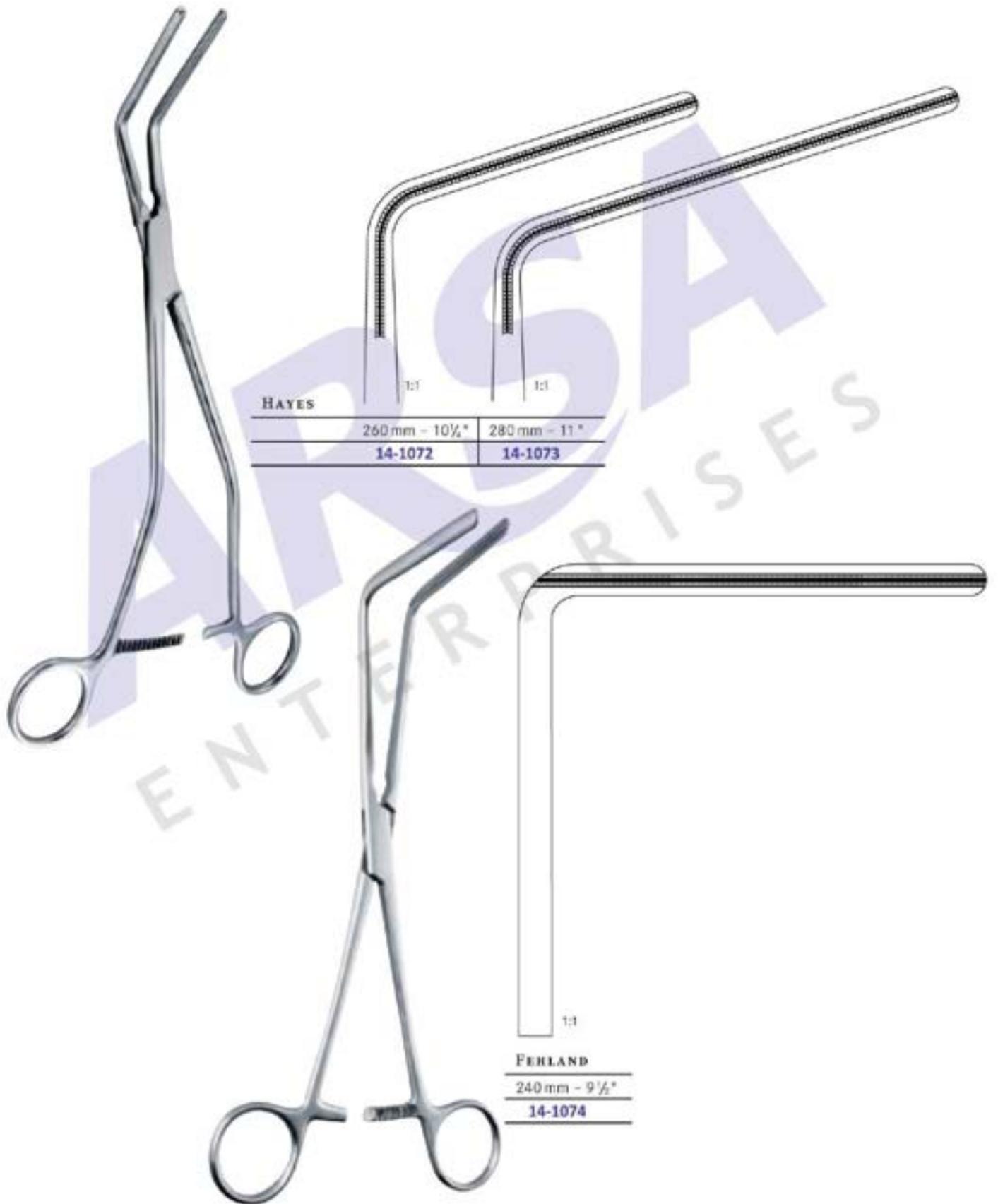
KOCHER

220 mm - 8½"	250 mm - 9½"	280 mm - 11"	220 mm - 8½"	250 mm - 9½"	280 mm - 11"
14-1065	14-1066	14-1067	14-1068	14-1069	14-1070

ATRAUMATIC INTESTINAL CLAMPS FORCEPS



SIGMOID ANASTOMOSIS FORCEPS



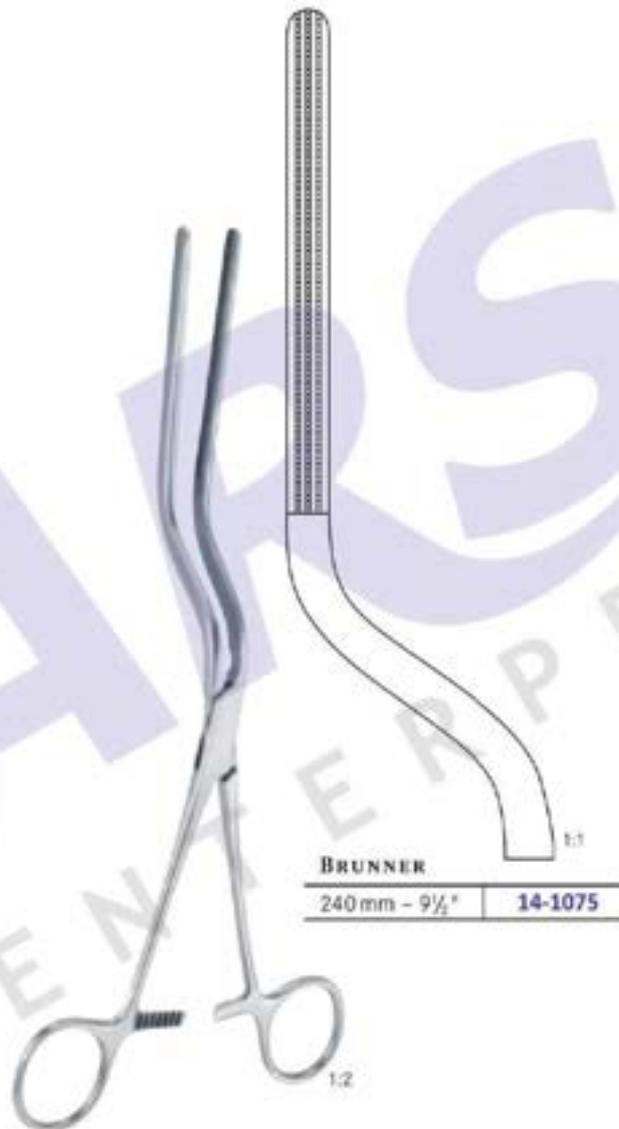
HAYES

260 mm - 10 1/2"	280 mm - 11"
14-1072	14-1073

FERLAND

240 mm - 9 1/2"
14-1074

SIGMOID ANASTOMOSIS FORCEPS



ATRAUMATIC ORGAN GRASPING FORCEPS



250 mm - 9 1/2" * **14-1076**

Organfasszange mittel, 250 mm
Organ grasping forceps medium, 250 mm
 Pince medium pour saisir des organes, 250 mm
Pinza mediana para sacar órganos, 250 mm
 Pinza per afferrare organi, 250 mm



260 mm - 10 1/2" * **14-1077**

Organfasszange gross, 260 mm
Organ grasping forceps large, 260 mm
 Pince grande pour saisir des organes, 260 mm
Pinza grande para sacar órganos, 260 mm
 Pinza per afferrare organi, 260 mm



SCHEIBE

180 mm - 7" *	200 mm - 8" *	230 mm - 9" *
14-1078	14-1079	14-1080

schmal
narrow
 étroit
 estrecho
 stretto

mittel
medium
 moyen
 mediano
 medio

breit
wide
 large
 ancho
 largo

INTESTINAL & PYLORUS CLAMPS



PAYR-BABY

150 mm - 6"	14-1081
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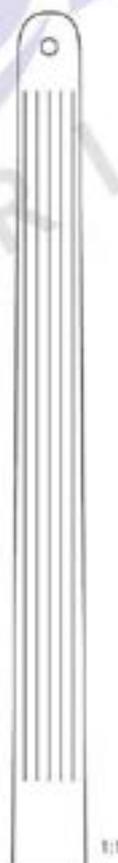
mit Stift
with pin
avec cheville
con pivote
con perno



PAYR

210 mm - 8 1/4"	290 mm - 11 1/2"
14-1082	14-1083

mit Stift
with pin
avec cheville
con pivote
con perno



INTESTINAL & ANASTOMOSIS CLAMP FORCEPS



1:2

85 mm - 3 1/2"

14-1084

**DE MARTEL-
WOLFSON**

230 mm - 9"

14-1085



1:2



**DE MARTEL-
WOLFSON**

260 mm - 10 1/2"

14-1086

1:2

INTESTINAL & ANASTOMOSIS CLAMP FORCEPS



1:2

DE MARTEL-
WOLFSON



1:1



1:1



1:1

50 mm - 2"	70 mm - 2 3/4"	100 mm - 4"
14-1087	14-1088	14-1089

Satz mit 3 Klemmen

Set of 3 clamps

Jeu de 3 clamps

Juego de 3 pinzas

Serie di 3 pezzi

RECTAL SPATULA



SIMS

	x=80 mm x 15 mm	x=80 mm x 15 mm
150 mm - 6°	14-1090	14-1091

gefenstert
fenestrated
fenêtré
fenestrado
finestrato



MATHIEU

	x=90 mm
195 mm - 7½°	14-1092

RECTAL SPATULA



PRATT

1:2

	x = 80 mm x 25 mm
205 mm - 8"	14-1093

CZERNY

1:2

	x = 110 mm x 25 mm
220 mm - 8 1/2"	14-1094

ANUSCOPES, PROCTOSCOPES, RECTOSCOPES, SPHINCTROSCOPES



IVES-FANSLER

	x=90mm
22 mm Ø	14-1095



FANSLER

	x=65mm
25 mm Ø	14-1096
29 mm Ø	14-1097
38 mm Ø	14-1098



BENSAUDE

	185 mm - 7 1/4"
	x=55mm
20 mm Ø	14-1099
23 mm Ø	14-1100



KELLY

	x=50mm
21 mm Ø	14-1101
27 mm Ø	14-1102

ANUSCOPES, PROCTOSCOPES, RECTOSCOPES, SPHINCTROSCOPES



KELLY

22 x 50 mm	14-1103
22 x 100 mm	14-1104
22 x 140 mm	14-1105
22 x 200 mm	14-1106



HIRSCHMANN

16 mm Ø	x= 65 mm	14-1107
19 mm Ø	x= 65 mm	14-1108
22 mm Ø	x= 65 mm	14-1109



HIRSCHMANN

16 mm Ø	14-1110
19 mm Ø	14-1111
24 mm Ø	14-1112
25 mm Ø	14-1113

Kaltlichtaufsatz, Wolf
F.O. light carrier, Wolf
 support lumière froide, Wolf
guia de luz fria, Wolf
 supporto per luce fredda, Wolf

14-1114

Kaltlichtadapter, TEKNO/Storz Anschluss
Cold light, TEKNO/Storz connector

Adaptateur lum. froide, connection TEKNO/Storz
Adaptator luz fria, conexión TEKNO/Storz
 Adattatore luce fredda, attacco TEKNO/Storz

RECTAL SPATULA



SMITH-BUE	
	x=75mmx23mm
150 mm - 6"	14-1117

Max. Spreizweite 115 mm
 Max. spread 115 mm
 Écartement maximal 115 mm
 Apertura máxima 115 mm
 Apertura massima 115 mm

ALAN PARKS
 140 mm - 5 1/2" **14-1115**

komplett mit 2 Paar Valven und 1 Mittelvalve, mit Kaltlichtanschluss TEKNO/Wolf
 complete with 2 pair of blades and 1 center blade, with cold light connector TEKNO/Wolf
 complet avec 2 paires des valves et 1 valve centrale, avec raccord de lum. froide TEKNO/Wolf
 completo con 2 juegos de valvas y 1 valva central, con connector de luz fria TEKNO/Wolf
 completo con 2 pala di valve e 1 valva centrale, con attacco di luce fredda TEKNO/Wolf

14-1116

Kaltlicht-Aufsatz
 F.O. light carrier
 Support lumière froide
 Soporte de luz fría
 Supporto per luce fredda

RECTAL SPATULA



ALAN PARKS

140 mm - 5 1/2" **14-1118**

komplett mit 2 Paar Valven und 1 Mittelvalve
complete with 2 pair of blades and 1 center blade
 complet avec 2 paires des valves et 1 valve centrale
 completo con 2 juegos de valvas y 1 valva central
 completo con 2 paia di valve e 1 valva centrale

22 mm x 75 mm **14-1119**

Seitenvalven alleine (Paar)
Lateral blades only (pair)
 Valves latérales seules (paire)
Valvas laterales solas (par)
 Valve laterali solo (paio)

22 mm x 95 mm **14-1120**

Seitenvalven alleine (Paar)
Lateral blades only (pair)
 Valves latérales seules (paire)
Valvas laterales solas (par)
 Valve laterali solo (paio)

25 mm x 95 mm **14-1121**

Mittelvalve alleine
Central blade only
 Valve centrale seule
Valva central sola
 Valva centrale solo

RECTOSCOPE



STRAUSS

14-1122

Kaltlicht-Rektoskop, komplett:

F/O Rektoskopkopf mit Zweiwegehahn, Verschlussdeckel, Teleskop und Griff,
Je 1 Rektoskoptubus in 200 mm, 250 mm und 300 mm mit 20 mm Ø,
mit Obturator und F/O Lichtträger Wolf-Anschluss, Doppelgebläse mit Kaltlichteinrichtung

Cold-light rectoscope, complete:

*F/O Rectoscope-head with two-way stop cock, lens cover and telescope handle,
3 rectoscope-tubes 20 mm Ø 200 mm, 250 mm and 300 mm
with obturator and F/O light-carrier Wolf, with double blower, with cold light connection*

Rectoscope à lumière froide, complet:

F/O tête de rectoscope avec robinet, protecteur de lentille, optique et manche,
3 tubes de rectoscope 20 mm Ø, 200 mm, 250 mm et 300 mm de longueur,
avec mandrin et porte-lumière Wolf (F/O), souffleur et connecteur de lumière froide.

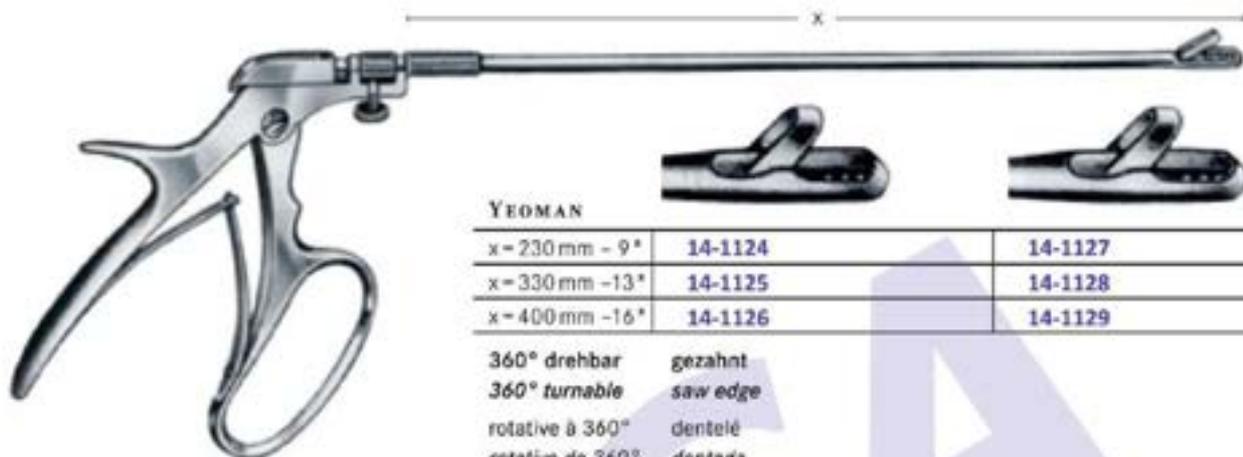
Rectoscopio de luz fría, completo:

*F/O cabeza de rectoscopio, con robinete protector de lentes, optica y mango,
3 tubos de rectoscopia de 20 mm, Ø 200 mm, 250 mm y 300 mm de longitud,
con obturador y conector de luz fría Wolf y soplador.*

Luce fredda-Rettoscopio, completo

Testa di rettoscopio con fibre ottiche, con rubinetto a due vie, copri-lente e impugnatura per ottica,
3 tubi per rettoscopio 20 mm Ø, 200 mm, 250 mm e 300 mm
con otturatore e cavo luce, insufflatore a doppia palla e connettore per cavo luce, allacciamento Wolf.

RECTAL BIOPSY FORCEPS



YEOMAN

x = 230 mm - 9°	14-1124	14-1127
x = 330 mm - 13°	14-1125	14-1128
x = 400 mm - 16°	14-1126	14-1129

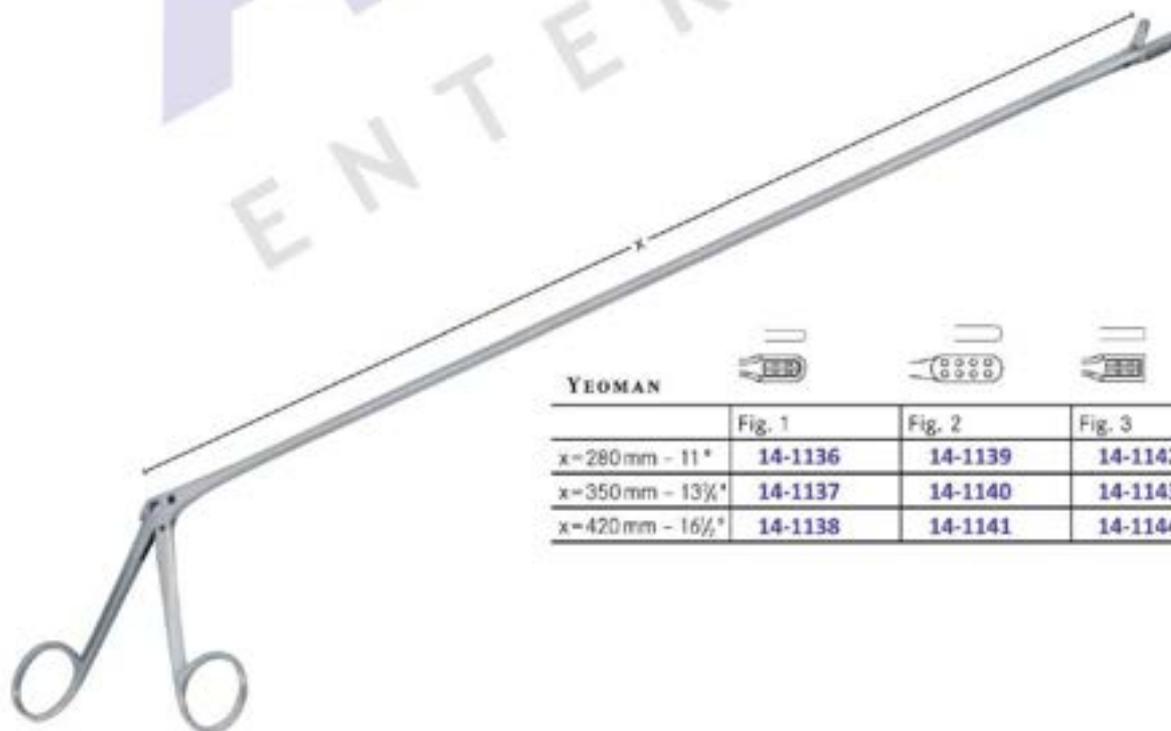
360° drehbar
360° turnable
rotative à 360°
rotativo de 360°
rotativa di 360°



TURREL

x = 230 mm - 9°	14-1130	14-1133
x = 330 mm - 13°	14-1131	14-1134
x = 400 mm - 16°	14-1132	14-1135

360° drehbar
360° turnable
rotative à 360°
rotativo de 360°
rotativa di 360°



YEOMAN

				
	Fig. 1	Fig. 2	Fig. 3	Fig. 4
x = 280 mm - 11°	14-1136	14-1139	14-1142	14-1145
x = 350 mm - 13½°	14-1137	14-1140	14-1143	14-1146
x = 420 mm - 16½°	14-1138	14-1141	14-1144	14-1147

FLEXIBLE FORCEPS



	1.8 mm Ø	2.2 mm Ø	2.6 mm Ø	3.4 mm Ø
1200 mm - 47½°	14-1148	14-1152		
1600 mm - 63°	14-1149	14-1153	14-1156	14-1158
1800 mm - 70½°	14-1150	14-1154		
2300 mm - 90½°	14-1151	14-1155	14-1157	14-1159



	1.8 mm Ø	2.2 mm Ø	2.6 mm Ø	3.4 mm Ø
1200 mm - 47½°	14-1160	14-1164		
1600 mm - 63°	14-1161	14-1165	14-1168	14-1170
1800 mm - 70½°	14-1162	14-1166		
2300 mm - 90½°	14-1163	14-1167	14-1169	14-1171



	1.8 mm Ø	2.2 mm Ø	3.4 mm Ø
1200 mm - 47½°	14-1172	14-1176	
1600 mm - 63°	14-1173	14-1177	14-1180
1800 mm - 70½°	14-1174	14-1178	
2300 mm - 90½°	14-1175	14-1179	14-1181



	1.8 mm Ø	2.2 mm Ø	3.4 mm Ø
1200 mm - 47½°	14-1182	14-1186	
1600 mm - 63°	14-1183	14-1187	14-1190
1800 mm - 70½°	14-1184	14-1188	
2300 mm - 90½°	14-1185	14-1189	14-1191

FLEXIBLE FORCEPS



	1.8 mm Ø	2.2 mm Ø
1600 mm - 63°	14-1192	14-1194
2300 mm - 90 $\frac{1}{2}$ °	14-1193	14-1195



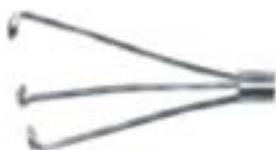
	1.8 mm Ø	2.2 mm Ø
1600 mm - 63°	14-1197	14-1199
2300 mm - 90 $\frac{1}{2}$ °	14-1198	14-1200



	1.8 mm Ø	2.2 mm Ø
1600 mm - 63°	14-1201	14-1203
2300 mm - 90 $\frac{1}{2}$ °	14-1202	14-1204

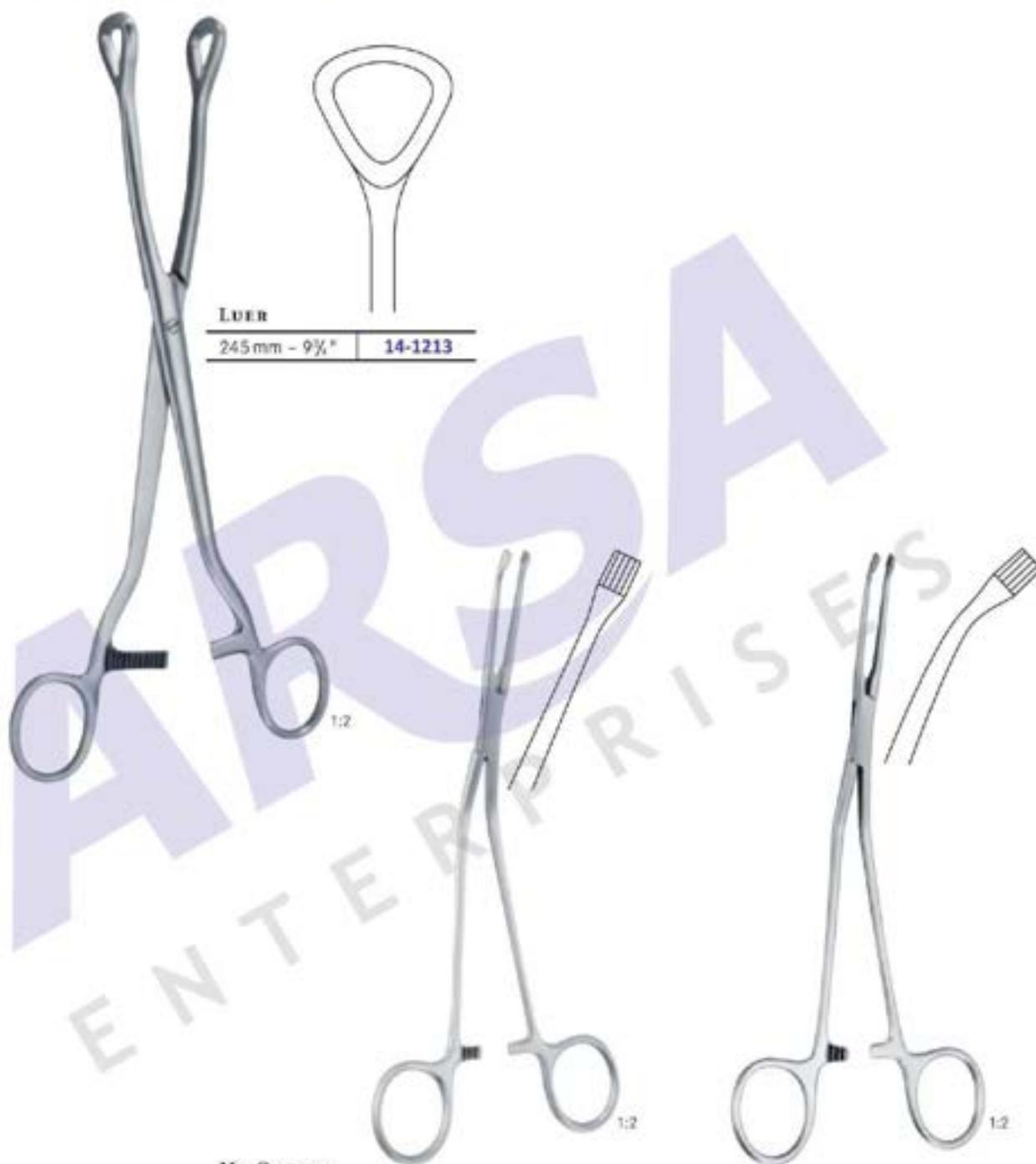


	1.8 mm Ø	2.2 mm Ø
1600 mm - 63°	14-1205	14-1207
2300 mm - 90 $\frac{1}{2}$ °	14-1206	14-1208



	1.8 mm Ø	2.2 mm Ø
1600 mm - 63°	14-1209	14-1211
2300 mm - 90 $\frac{1}{2}$ °	14-1210	14-1212

HAEMORRHOIDAL FORCEPS



LUER	
245 mm - 9 3/4"	14-1213

MC GIVNEY		14-1215
190 mm - 7 1/2"	14-1214	

1x gebogen
single curved
courbé simple
curvado simple
curvatura singola

2x gebogen
double curved
courbé double
curvado doble
curvatura doppia

POLYPUS GRASPING FORCEPS



HEYWOOD-SMITH

200 mm - 8"

14-1216



HEYWOOD-SMITH

210 mm - 8 1/2"

14-1217

HAEMORRHOIDAL LIGATORS



LURZ

x= 8 mm Ø	14-1218
x= 10 mm Ø	14-1219

komplett
complete
complet
completa
completa



MC GIVNEY

x= 10 mm Ø	14-1220
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komplett
complete
complet
completa
completa

14-1221

Gummiringe, Packung à 100 Stück

Rubber rings, package of 100 pieces

Anneaux de caoutchouc à ligatures, paquet de 100 pièces

Anillos de goma para ligaduras, paquete de 100 piezas

Anelli di gomma, pacchetto di 100 pezzi

HAEMORRHOIDAL LIGATORS



RUND	x=12 mm Ø	x=12 mm Ø
315 mm - 12 1/2°	14-1222	14-1223
	komplett complete	Ladekegel allein Cone piece only
	complet completa	Cône seule Cono solo
	completa	Cono solo

14-1224

Gummiringe, Packung à 100 Stück

Rubber rings, package of 100 pieces

Anneaux de caoutchouc à ligatures, paquet de 100 pièces

Anillos de goma para ligaduras, paquete de 100 piezas

Anelli di gomma, pacchetto di 100 pezzi

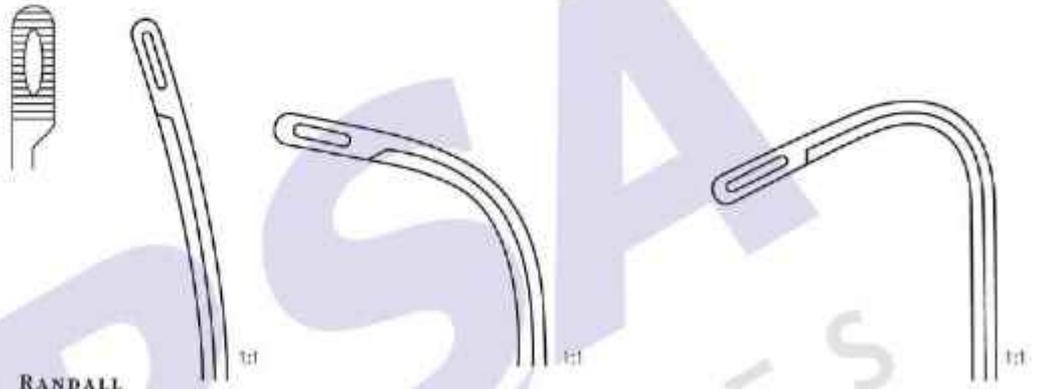
15

ARSA
ENTERPRISES

UROLOGY



KIDNEY STONE FORCEPS



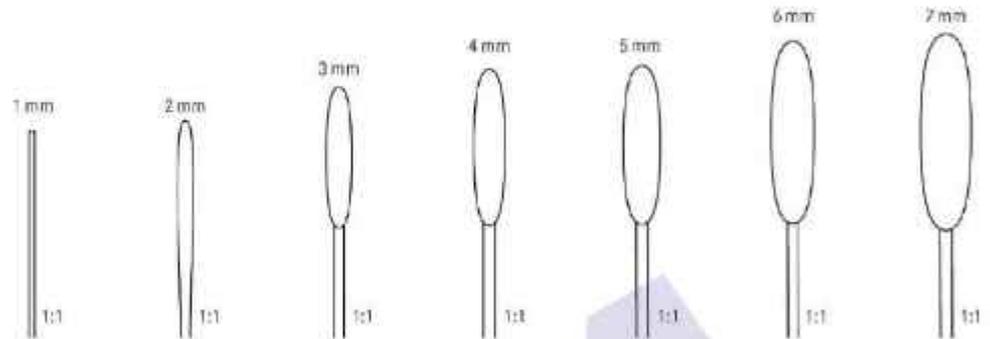
RANDALL

Fig. 1	Fig. 2	Fig. 3
230 mm - 9"	220 mm - 8 1/2"	190 mm - 7 1/2"
15-1001	15-1002	15-1003



Fig. 4	Fig. 5	Fig. 6
190 mm - 7 1/2"	190 mm - 7 1/2"	190 mm - 7 1/2"
15-1004	15-1005	15-1006

GALL STONE INSTRUMENTS



BAKES	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6	Fig. 7
300 mm - 12"	15-1007	15-1008	15-1009	15-1010	15-1011	15-1012	15-1013

biegsam
malleable
malleable
malleable
flexibile

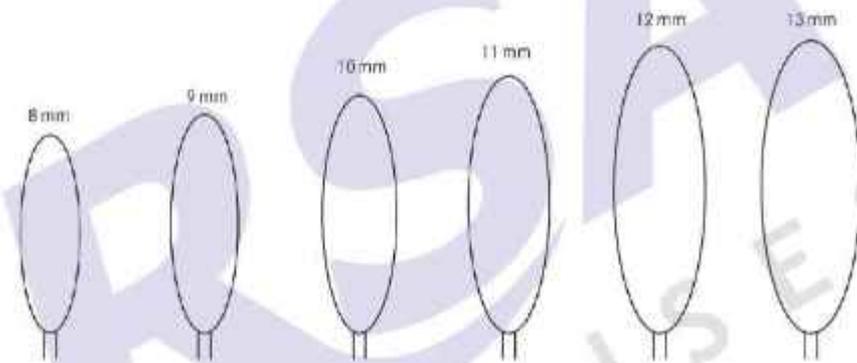


	Fig. 8	Fig. 9	Fig. 10	Fig. 11	Fig. 12	Fig. 13
300 mm - 12"	15-1014	15-1015	15-1016	15-1017	15-1018	15-1019

biegsam
malleable
malleable
malleable
flexibile



DESIARDINS	Fig. 1	Fig. 2	Fig. 3
280 mm - 11"	15-1020	15-1021	15-1022

federnd
elastic
elastique
elastica
elastico

GALL STONE INSTRUMENTS



DESJARDINS



	Fig. 1	Fig. 2	Fig. 3	Fig. 4
300 mm - 12"	15-1023	15-1024	15-1025	15-1026

federn
elastic
élastique
elastica
elastico

1:3



MOYNIHAN

	x = 5 mm
340 mm - 13 1/8"	15-1027

biegsam
malleable
malléable
maisable
flessibile

1:3

GALL STONE SCOOPS



MAYO

280 mm - 11"	15-1036
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1:2



LUER-KOERTE

	Fig. 000	Fig. 00	Fig. 0	Fig. 1
320 mm - 12 1/2"	15-1028	15-1029	15-1030	15-1031

biegsam, stumpf
malleable, blunt
malléable, mousse
malleable, roma
flessibile, smussa



	Fig. 2	Fig. 3	Fig. 4	Fig. 5
320 mm - 12 1/2"	15-1032	15-1033	15-1034	15-1035

biegsam, stumpf
malleable, blunt
malléable, mousse
malleable, roma
flessibile, smussa



FERGUSSON

215 mm - 8 1/2"	220 mm - 8 3/4"	235 mm - 9 1/4"
15-1037	15-1038	15-1039



GALL STONE INSTRUMENTS



BLAKE

200 mm - 8"	15-1040	15-1041
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DESJARDINS

230 mm - 9"	15-1042	15-1043
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GALL STONE INSTRUMENTS



CZERNY
245 mm - 9 3/4" | **15-1044**



TURNER-WARWICK
180 mm - 7" | 190 mm - 7 1/2"
15-1045 | **15-1046**

PROSTATIC RETRACTORS



YOUNG

15-1047	210 mm - 8 1/4"
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1:2



YOUNG

15-1048	220 mm - 8 3/4"
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1:2



YOUNG

15-1049	210 mm - 8 1/4"
----------------	-----------------

1:2



YOUNG

15-1050	220 mm - 8 3/4"
----------------	-----------------

1:2

PROSTATECTOMY INSTRUMENTS



MILLIN

230 mm - 9"

15-1051

Kapsel­fasszange zur retro­pubischen Prostatektomie

Capsule forceps for retro­pubic prostatectomy

Pince pour saisir les capsules pour la prostatectomie r­etro­pubique

Pinza capsular para la prostatectom­ia retro­p­blica

Pinza a capsula per prostatectomia retro­pubica



MILLIN

230 mm - 9"

15-1052

Fasszange f­ur die vorderen Lappen

Prostatic lobe holding forceps

Pince pour saisir les lambeaux

Pinza para coger los l­obulos anteriores

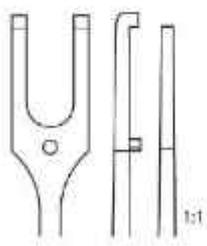
Pinza da presa per lobo prostatico

1:2

PROSTATECTOMY INSTRUMENTS

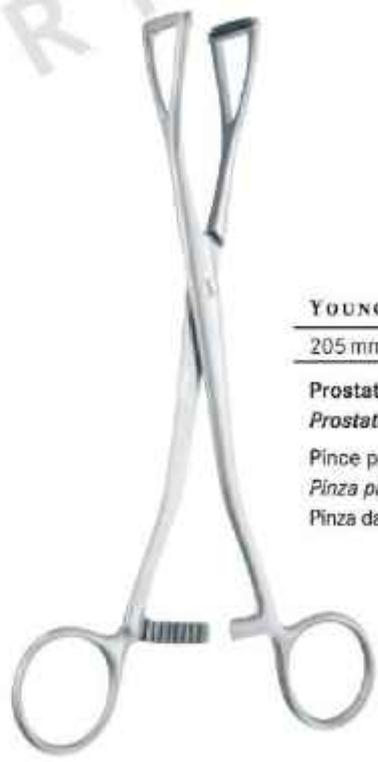


1:2



MILLIN	
240 mm - 9 1/2"	15-1053

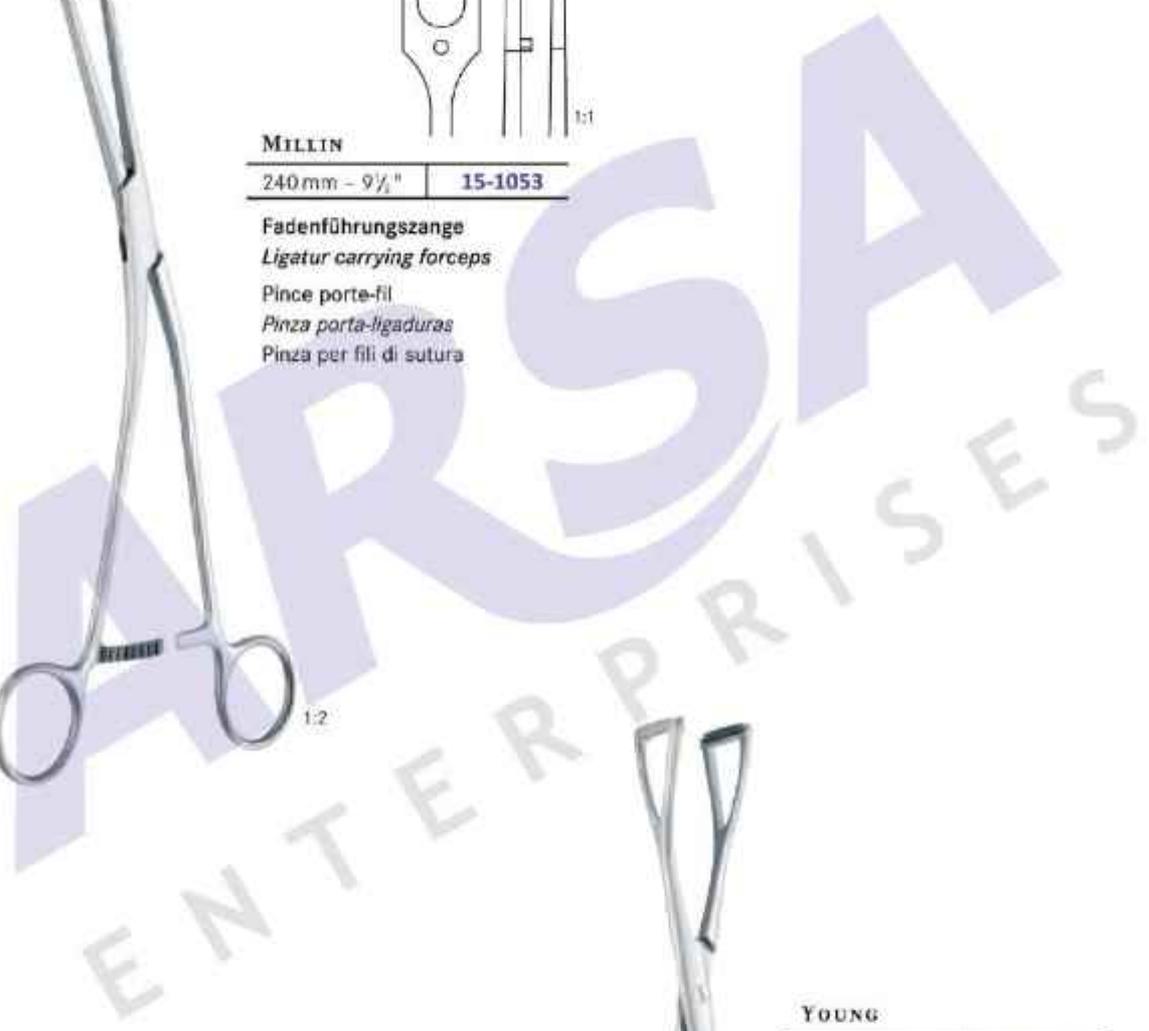
Fadenführungs-
zange
Ligatur carrying forceps
Pince porte-fil
Pinza porta-ligaduras
Pinza per fili di sutura



1:2

YOUNG	
205 mm - 8"	15-1054

Prostata-Fasszange
Prostate holding forceps
Pince pour saisir la prostate
Pinza para coger la próstata
Pinza da presa per lobo prostatico



BLADDER RETRACTORS



THOMSON-WALKER

15-1055

komplett mit 2 Paar Seitenvalven, 1 Mittelvalve
complete with 2 pairs of lateral blades, 1 central blade
 complet, avec 2 paires de valves latérales, 1 valve centrale
completo con 2 paia di valvas laterali, 1 valva central
 completo, con 2 paia di valve laterali, 1 valva centrale



MILLIN

		57 mm x 25 mm	80 mm x 25 mm	120 mm x 45 mm
15-1056	15-1057	15-1058	15-1059	15-1060
komplett <i>complete</i>	Sperrer, allein <i>Spreader, only</i>	2 Blätter <i>2 Blades</i>	2 Blätter <i>2 Blades</i>	1 Mittelblatt <i>1 Center blade</i>
complet <i>completo</i>	Retracteur, seul <i>Retracteur, solo</i>	2 Valves <i>2 Valvas</i>	2 Valves <i>2 Valvas</i>	1 Valve centrale <i>1 Valva central</i>
completa	Divaricatore, solo	2 Valve	2 Valve	1 Valva centrale

15-1061

komplett mit Kaltlichtaufsatz
complete with cold light carrier
 complet avec guide de lumière froide
completo con guia de luz fria
 completa con portaluca fredda

15-1062

Kaltlichtaufsatz
Cold light carrier
 Guide de lumière froide
Gua de luz fria
 Porta luce fredda, solo

BLADDER RETRACTORS



LEGUEU
15-1063

1:3



JUDD-MASSON
15-1064

1:3



LEGUEU

	x = 35 mm
270 mm - 10 3/4"	15-1065

1:3



KOCHER

	x = 67 mm
260 mm - 10 1/4"	15-1066

1:3



MILLIN

	285 mm - 11 1/4"
	15-1067

1:3

DILATING BOUGIES

DITTEL

		220mm-8 7/8"
2 1/2 mm Ø	8 Charr./Fr.	15-1068
3 mm Ø	9 Charr./Fr.	15-1069
3 1/2 mm Ø	10 Charr./Fr.	15-1070
3 7/8 mm Ø	11 Charr./Fr.	15-1071
4 mm Ø	12 Charr./Fr.	15-1072
4 1/2 mm Ø	13 Charr./Fr.	15-1073
4 7/8 mm Ø	14 Charr./Fr.	15-1074
5 mm Ø	15 Charr./Fr.	15-1075
5 1/2 mm Ø	16 Charr./Fr.	15-1076
5 7/8 mm Ø	17 Charr./Fr.	15-1077
6 mm Ø	18 Charr./Fr.	15-1078
6 1/2 mm Ø	19 Charr./Fr.	15-1079
6 7/8 mm Ø	20 Charr./Fr.	15-1080
7 mm Ø	21 Charr./Fr.	15-1081
7 1/2 mm Ø	22 Charr./Fr.	15-1082
7 7/8 mm Ø	23 Charr./Fr.	15-1083
8 mm Ø	24 Charr./Fr.	15-1084
8 1/2 mm Ø	25 Charr./Fr.	15-1085
8 7/8 mm Ø	26 Charr./Fr.	15-1086
9 mm Ø	27 Charr./Fr.	15-1087
9 1/2 mm Ø	28 Charr./Fr.	15-1088
9 7/8 mm Ø	29 Charr./Fr.	15-1089
10 mm Ø	30 Charr./Fr.	15-1090
10 1/2 mm Ø	32 Charr./Fr.	15-1091
11 mm Ø	33 Charr./Fr.	15-1092
11 1/2 mm Ø	34 Charr./Fr.	15-1093
12 mm Ø	36 Charr./Fr.	15-1094

1:2

gerade
straight
droit
recta
rette

DITTEL

		350mm-13 7/8"
2 1/2 mm Ø	8 Charr./Fr.	15-1095
3 mm Ø	9 Charr./Fr.	15-1096
3 1/2 mm Ø	10 Charr./Fr.	15-1097
3 7/8 mm Ø	11 Charr./Fr.	15-1098
4 mm Ø	12 Charr./Fr.	15-1099
4 1/2 mm Ø	13 Charr./Fr.	15-1100
4 7/8 mm Ø	14 Charr./Fr.	15-1101
5 mm Ø	15 Charr./Fr.	15-1102
5 1/2 mm Ø	16 Charr./Fr.	15-1103
5 7/8 mm Ø	17 Charr./Fr.	15-1104
6 mm Ø	18 Charr./Fr.	15-1105
6 1/2 mm Ø	19 Charr./Fr.	15-1106
6 7/8 mm Ø	20 Charr./Fr.	15-1107
7 mm Ø	21 Charr./Fr.	15-1108
7 1/2 mm Ø	22 Charr./Fr.	15-1109
7 7/8 mm Ø	23 Charr./Fr.	15-1110
8 mm Ø	24 Charr./Fr.	15-1111
8 1/2 mm Ø	25 Charr./Fr.	15-1112
8 7/8 mm Ø	26 Charr./Fr.	15-1113
9 mm Ø	27 Charr./Fr.	15-1114
9 1/2 mm Ø	28 Charr./Fr.	15-1115
9 7/8 mm Ø	29 Charr./Fr.	15-1116
10 mm Ø	30 Charr./Fr.	15-1117
10 1/2 mm Ø	32 Charr./Fr.	15-1118
11 mm Ø	33 Charr./Fr.	15-1119
11 1/2 mm Ø	34 Charr./Fr.	15-1120
12 mm Ø	36 Charr./Fr.	15-1121

1:2

gebogen
curved
courbe
curva
curve

DILATING BOUGIES

Metallkatheter für Frauen
 Metal catheters for women
 Sondes métalliques pour femmes
 Sondas metálicas para mujeres
 Sonde metalliche per donne



VAN BUREN

2 1/2 mm Ø	8 Charr./Fr.	15-1122
3 1/2 mm Ø	10 Charr./Fr.	15-1123
4 mm Ø	12 Charr./Fr.	15-1124
4 1/2 mm Ø	14 Charr./Fr.	15-1125
5 1/2 mm Ø	16 Charr./Fr.	15-1126
6 mm Ø	18 Charr./Fr.	15-1127
6 1/2 mm Ø	20 Charr./Fr.	15-1128
7 1/2 mm Ø	22 Charr./Fr.	15-1129
8 mm Ø	24 Charr./Fr.	15-1130
8 1/2 mm Ø	26 Charr./Fr.	15-1131
9 1/2 mm Ø	28 Charr./Fr.	15-1132
10 mm Ø	30 Charr./Fr.	15-1133
10 1/2 mm Ø	32 Charr./Fr.	15-1134
11 1/2 mm Ø	34 Charr./Fr.	15-1135
12 mm Ø	36 Charr./Fr.	15-1136

GUYON

3 1/2 mm Ø	10 Charr./Fr.	15-1137
3 1/2 mm Ø	11 Charr./Fr.	15-1138
4 mm Ø	12 Charr./Fr.	15-1139
4 1/2 mm Ø	13 Charr./Fr.	15-1140
4 1/2 mm Ø	14 Charr./Fr.	15-1141
5 mm Ø	15 Charr./Fr.	15-1142
5 1/2 mm Ø	16 Charr./Fr.	15-1143
5 1/2 mm Ø	17 Charr./Fr.	15-1144
6 mm Ø	18 Charr./Fr.	15-1145
6 1/2 mm Ø	19 Charr./Fr.	15-1146
6 1/2 mm Ø	20 Charr./Fr.	15-1147
7 mm Ø	21 Charr./Fr.	15-1148
7 1/2 mm Ø	22 Charr./Fr.	15-1149
7 1/2 mm Ø	23 Charr./Fr.	15-1150
8 mm Ø	24 Charr./Fr.	15-1151
8 1/2 mm Ø	25 Charr./Fr.	15-1152
8 1/2 mm Ø	26 Charr./Fr.	15-1153
9 mm Ø	27 Charr./Fr.	15-1154
9 1/2 mm Ø	28 Charr./Fr.	15-1155
9 1/2 mm Ø	29 Charr./Fr.	15-1156
10 mm Ø	30 Charr./Fr.	15-1157

GUYON

2 mm Ø	6 Charr./Fr.	15-1158
2 1/2 mm Ø	7 Charr./Fr.	15-1159
2 1/2 mm Ø	8 Charr./Fr.	15-1160
3 mm Ø	9 Charr./Fr.	15-1161
3 1/2 mm Ø	10 Charr./Fr.	15-1162
3 1/2 mm Ø	11 Charr./Fr.	15-1163
4 mm Ø	12 Charr./Fr.	15-1164
4 1/2 mm Ø	13 Charr./Fr.	15-1165
4 1/2 mm Ø	14 Charr./Fr.	15-1166
5 mm Ø	15 Charr./Fr.	15-1167
5 1/2 mm Ø	16 Charr./Fr.	15-1168
5 1/2 mm Ø	17 Charr./Fr.	15-1169
6 mm Ø	18 Charr./Fr.	15-1170
6 1/2 mm Ø	19 Charr./Fr.	15-1171
6 1/2 mm Ø	20 Charr./Fr.	15-1172
7 mm Ø	21 Charr./Fr.	15-1173
7 1/2 mm Ø	22 Charr./Fr.	15-1174
7 1/2 mm Ø	23 Charr./Fr.	15-1175
8 mm Ø	24 Charr./Fr.	15-1176

VAN BUREN

15-1177

Satz, Fig. 08 – Fig. 36

Set, Fig. 08 – Fig. 36

Jeu, Fig. 08 – Fig. 36

Juego, Fig. 08 – Fig. 36

Serie, Fig. 08 – Fig. 36

GUYON

15-1178

Satz, Fig. 10 – Fig. 30, ohne Innengewinde

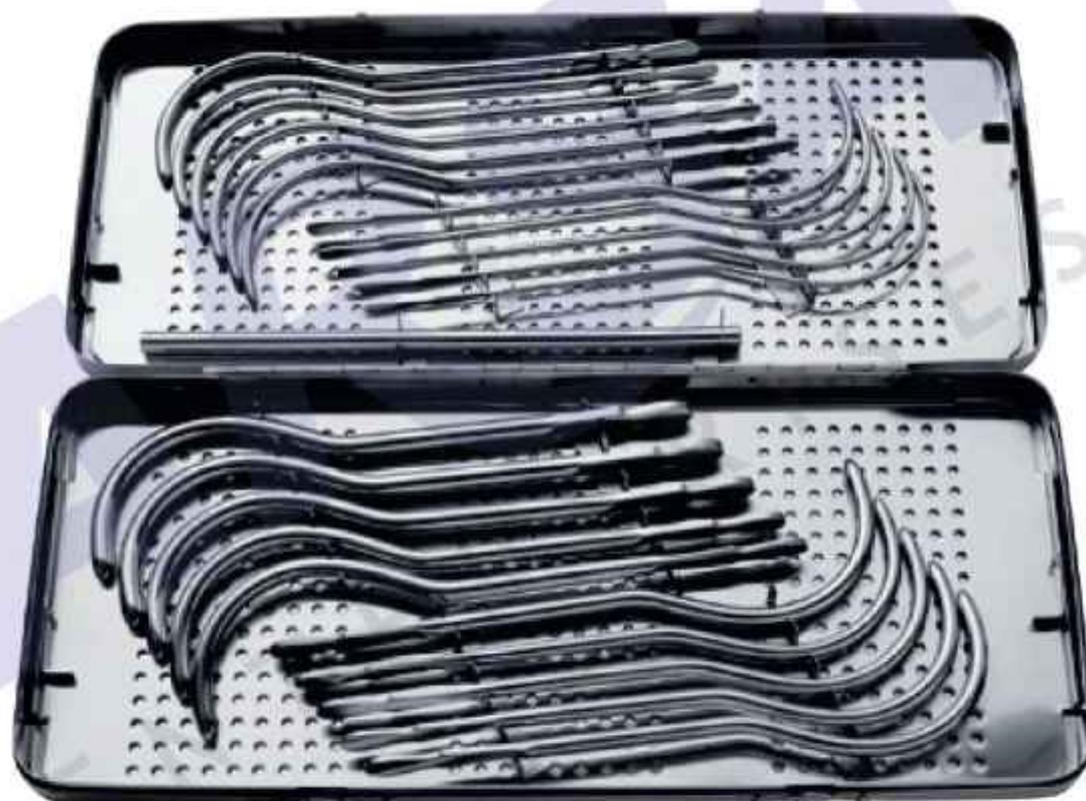
Set, Fig. 10 – Fig. 30, without inner thread

Jeu, Fig. 10 – Fig. 30, sans filet intérieur

Juego, Fig. 10 – Fig. 30, sin filete interior

Serie, Fig. 10 – Fig. 30, senza filetto interno

DILATING BOUGIES



GUYON

420 mm x 175 mm x 40 mm

15-1179

komplett, Charr. 10 - 30, im Edelstahl-Etui

complete, Charr. 10 - 30, in steel case

complet, Charr. 10 - 30, en étui métallique

completa, Charr. 10 - 30, en caja metálica

completa, Charr. 10 - 30, in astuccio metallico

URETHROTOME



OTIS

15-1180

komplett, im Holzetui
mit Dilatator, 2 Messern und 3 Ansätzen
*complete in wooden case
with dilator, 2 knives and 3 tips*

complet, en boîte de bois
avec dilateur, 2 lames et 3 embouts
*completo en caja de madera
con dilatador, 2 cuchillos y 3 puntas*
completo, in contenitore di legno
con dilatatore, 2 bisturi e 3 punte

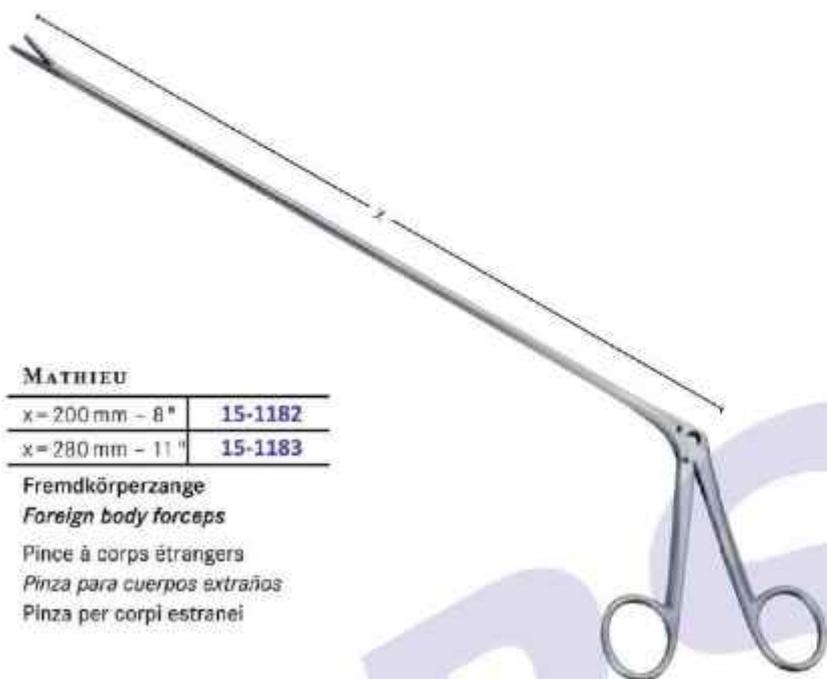
15-1181

Ersatzmesser
Spare blade

Lame de rechange
Hoja de cambio
Lama di ricambio



INSTRUMENTS FOR UROLOGY



MATHIEU

x = 200 mm - 8"	15-1182
x = 280 mm - 11"	15-1183

Fremdkörperzange
Foreign body forceps
Pince à corps étrangers
Pinza para cuerpos extraños
Pinza per corpi estranei



160 mm - 6 1/4"	15-1184
-----------------	----------------

Samenstrang-Haken
Hook for the spermatic cord
Crochet pour le cordon spermatique
Granchio para el cordón espermático
Uncino per dotto spermatico



GUYON

390 mm - 15 1/2"	350 mm - 13 3/4"
15-1185	15-1186

Katheterspanner
Mandrin for rubber catheters
Mandrin pour cathéters
Mandril para catéteres
Introduttore per catheteri



145 mm - 5 3/4"	15-1187
-----------------	----------------

zum Fixieren des Samenstranges
Fixation clamp for the spermatic cord
Pince à vis pour fixation du cordon spermatique
Pinza con rosca para fijación el cordón espermático
Pinza con vite per fissare il funicolo spermatico

16

ARSA
ENTERPRISES

GYNECOLOGY



VAGINAL SPECULUM



Standard Scheidenspekula

Standard Vaginal specula

Standard Spéculum vaginaux

Standard Espéculos vaginales

standard Specoli vaginali



Isoliert - für HF-Chirurgie mit Rauchabsaugung

insulated - for HF Surgery (Radio Frequency), with smoke evacuation

isolés - pour la chirurgie à haute fréquence, avec aspiration de la fumée

Aislados - para la cirugía por alta frecuencia, con aspiración de humo

Isolati - per la chirurgia ad alta frequenza, con aspirazione di fumo



Antireflex - für Laser-Chirurgie mit Rauchabsaugung

Antireflex - for Laser Surgery (Radio Frequency), with smoke evacuation

Antireflexe - pour la chirurgie au laser, avec aspiration de la fumée

Antireflejos - para la cirugía por laser, con aspiración de humo

Antiriflesso - per la chirurgia laser, con aspirazione di fumo



VAGINAL SPECULUM



Cusco



75 mm x 32 mm	16-1001	16-1005	16-1008
85 mm x 35 mm	16-1002	16-1006	16-1009
100 mm x 35 mm	16-1003	16-1007	16-1010
75 mm x 17 mm	16-1004	-	-

für Jungfrauen
for virgins
pour vierges
para vírgenes
per vergine



Cusco



75 mm x 32 mm	16-1011
85 mm x 35 mm	16-1012
100 mm x 37 mm	16-1013

VAGINAL SPECULUM



Cusco	<input type="checkbox"/>
80 mm x 22 mm	16-1014
100 mm x 25 mm	16-1015
105 mm x 27 mm	16-1016

Schweizer Modell

Swiss pattern

Modèle suisse

Modelo suizo

Modello svizzero



GRAVE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
75 mm x 20 mm	16-1017	16-1020	16-1023
95 mm x 35 mm	16-1018	16-1021	16-1024
115 mm x 35 mm	16-1019	16-1022	16-1025

VAGINAL SPECULUM



COLLIN

	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
85 mm x 30 mm	16-1026	16-1029	16-1032
100 mm x 35 mm	16-1027	16-1030	16-1033
110 mm x 40 mm	16-1028	16-1031	16-1034



SEMM

	<input type="checkbox"/>
90 mm x 14 / 18 mm	16-1035
100 mm x 17 / 20 mm	16-1036
100 mm x 25 / 30 mm	16-1037



TRELAT

	<input type="checkbox"/>
85 mm x 30 mm	16-1038
95 mm x 35 mm	16-1039
115 mm x 43 mm	16-1040



PEDERSON

	<input type="checkbox"/>
75 mm x 13 mm	16-1041
100 mm x 22 mm	16-1042
120 mm x 25 mm	16-1043

VAGINAL SPECULUM



KRISTELLER

70 mm x 27 mm	16-1044
80 mm x 30 mm	16-1045
90 mm x 36 mm	16-1046
110 mm x 27 mm	16-1047
110 mm x 30 mm	16-1048
110 mm x 36 mm	16-1049

Spekulum
Speculum
Spéculum
Espéculo
Specolo

75 mm x 23 mm	16-1050
85 mm x 26 mm	16-1051
100 mm x 32 mm	16-1052
115 mm x 23 mm	16-1053
115 mm x 26 mm	16-1054
115 mm x 32 mm	16-1055

Halter
Retractor
Valve
Valva
Valve

16-1056
16-1057
16-1058
16-1059
16-1060
16-1061

Satz
Set
Jeu
Juego
Serie

VAGINAL SPECULUM



JACKSON

75 mm x 35 mm	16-1062
75 mm x 40 mm	16-1063
90 mm x 35 mm	16-1064
90 mm x 40 mm	16-1065
100 mm x 35 mm	16-1066
100 mm x 40 mm	16-1067



AUVARD

220 mm - 8 3/4"	
80 mm x 38 mm	
16-1068	



SIMS

60 mm x 25 mm / 30 mm	16-1069
70 mm x 30 mm / 35 mm	16-1070
80 mm x 35 mm / 40 mm	16-1071

VAGINAL SPECULUM



KALLMORGEN

70 mm x 40 mm	16-1072
90 mm x 40 mm	16-1073

Spekulum
Speculum
Spéculum
Espéculo
Specolo

70 mm x 33 mm	16-1074
90 mm x 33 mm	16-1075

Halter
Retractor
Valve
Valva
Valve

16-1076
16-1077

Satz
Set
Jeu
Juego
Serie

VAGINAL SPECULUM



LANDAU

	290 mm - 11½"
100 mm x 28 mm	16-1078
110 mm x 38 mm	16-1079

BREISKY

	320 mm - 12¾"
130 mm x 20 mm	16-1080
130 mm x 25 mm	16-1081
130 mm x 30 mm	16-1082
130 mm x 35 mm	16-1083
130 mm x 40 mm	16-1084

	300 mm - 12"
100 mm x 20 mm	16-1085
100 mm x 25 mm	16-1086
100 mm x 30 mm	16-1087
100 mm x 35 mm	16-1088
100 mm x 40 mm	16-1089

	350 mm - 13¾"
160 mm x 40 mm	16-1090
180 mm x 40 mm	16-1091

Wiener Modell
Vienna pattern
Modèle Vienne
Modelo Vienna
Modello Vienna

VAGINAL SPECULUM



Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
80 mm x 30 mm	85 mm x 35 mm	90 mm x 40 mm	55 mm x 40 mm / 60 mm	70 mm x 45 mm / 70 mm
16-1092	16-1093	16-1094	16-1095	16-1096

SCHERBACK

16-1097

Satz (Fig. 1-Fig. 2) mit 400 g Gewicht (tk 34090-10)

Set (Fig. 1 - Fig. 2) with weight 400 grs. (tk 34090-10)

Jeu (Fig. 1 - Fig. 2) avec poids 400 gr. (tk 34090-10)

Juego (Fig. 1 - Fig. 2) con peso 400 gr. (tk 34090-10)

Serie (Fig. 1 - Fig. 2) con peso di 400 gr. (tk 34090-10)



400 g **16-1098**

600 g **16-1099**

800 g **16-1100**

16-1101



DOYEN

	240 mm - 9 1/2"
55 mm x 35 mm	16-1102
85 mm x 35 mm	16-1103
115 mm x 35 mm	16-1104
55 mm x 45 mm	16-1105
85 mm x 45 mm	16-1106
115 mm x 45 mm	16-1107
160 mm x 45 mm	16-1108
55 mm x 60 mm	16-1109
85 mm x 60 mm	16-1110
115 mm x 60 mm	16-1111
160 mm x 60 mm	16-1112

leichthohl

slightly concave

légèrement concave

ligeramente concava

legermente concavo

ENDOSPECULA



KOGAN

240mm - 9 1/2"	16-1113
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mit Skalensperre und Stellschraube
with scale-ratchet and fixation screw

avec crémaillère à échelle et vis à fixation
con cremallera graduada y tornillo fijación
con cremagliera graduata e vite di fissaggio



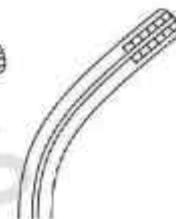
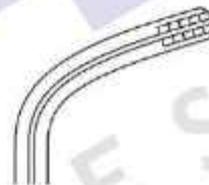
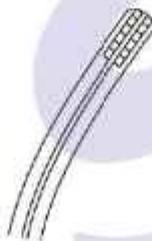
KOGAN-MODIF.

	280mm - 11"
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x=4mm y=8mm	16-1114
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x=2mm y=4mm	16-1115
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PARAMETRIUM FORCEPS



210 mm - 8 1/4"	16-1116	16-1120	16-1124	16-1128	16-1132
240 mm - 9 1/2"	16-1117	16-1121	16-1125	16-1129	16-1133
300 mm - 12"	16-1118	16-1122	16-1126	16-1130	16-1134
350 mm - 13 3/4"	16-1119	16-1123	16-1127	16-1131	16-1135

S-förmig gebogen
S-curved
coube en S
curva en S
curva a forma di S

HYSTERECTOMY FORCEPS



ROGERS

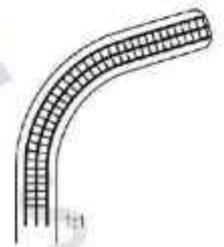
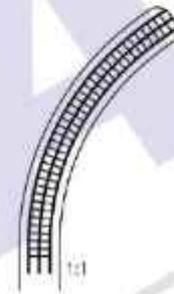
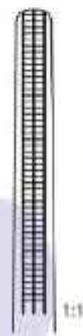


Fig. 1	Fig. 2	Fig. 3	Fig. 4
220 mm - 8 3/4"	215 mm - 8 1/2"	210 mm - 8 1/4"	205 mm - 8"
16-1136	16-1137	16-1138	16-1139

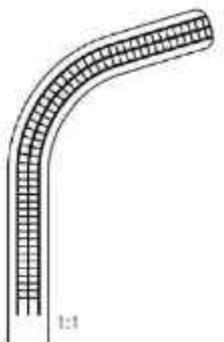
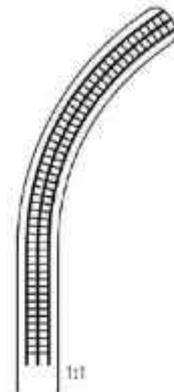
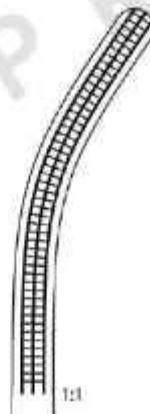
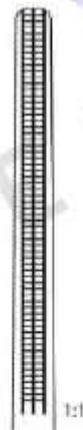


Fig. 1	Fig. 2	Fig. 3	Fig. 4
250 mm - 9 3/4"	250 mm - 9 1/4"	245 mm - 9 1/4"	230 mm - 9"
16-1140	16-1141	16-1142	16-1143

UTERINE SOUNDS



VALLEIX

250 mm - 9 3/4" **16-1144**

graduirt, mit Schieber
graduated, with slider
gradu , avec curseur
graduated, con cursor
graduato, con cursore



MARTIN

320 mm - 12 1/2" **16-1145** **16-1146**

fest	biegsam
rigid	malleable
rigide	mall�able
rigido	malleabile
rigido	malleabile



SIMS

320 mm - 12 1/2" **16-1147** **16-1148**

fest	biegsam
rigid	malleable
rigide	mall�able
rigido	malleabile
rigido	malleabile

UTERINE DILATORS

HEGAR

1.0 mm Ø	16-1149	10.0 mm Ø	16-1167	20.0 mm Ø	16-1187
1.5 mm Ø	16-1150	10.5 mm Ø	16-1168	21.0 mm Ø	16-1188
2.0 mm Ø	16-1151	11.0 mm Ø	16-1169	22.0 mm Ø	16-1189
2.5 mm Ø	16-1152	11.5 mm Ø	16-1170	23.0 mm Ø	16-1190
3.0 mm Ø	16-1153	12.0 mm Ø	16-1171	24.0 mm Ø	16-1191
3.5 mm Ø	16-1154	12.5 mm Ø	16-1172	25.0 mm Ø	16-1192
4.0 mm Ø	16-1155	13.0 mm Ø	16-1173	26.0 mm Ø	16-1193
4.5 mm Ø	16-1156	13.5 mm Ø	16-1174	27.0 mm Ø	16-1194
5.0 mm Ø	16-1157	14.0 mm Ø	16-1175	28.0 mm Ø	16-1195
5.5 mm Ø	16-1158	14.5 mm Ø	16-1176	29.0 mm Ø	16-1196
6.0 mm Ø	16-1159	15.0 mm Ø	16-1177	30.0 mm Ø	16-1197
6.5 mm Ø	16-1160	15.5 mm Ø	16-1178		
7.0 mm Ø	16-1161	16.0 mm Ø	16-1179		
7.5 mm Ø	16-1162	16.5 mm Ø	16-1180		
8.0 mm Ø	16-1163	17.0 mm Ø	16-1181		
8.5 mm Ø	16-1164	17.5 mm Ø	16-1182		
9.0 mm Ø	16-1165	18.0 mm Ø	16-1183		
9.5 mm Ø	16-1166	18.5 mm Ø	16-1184		
		19.0 mm Ø	16-1185		
		19.5 mm Ø	16-1186		

HEGAR

4 mm - 17 mm Ø	14	16-1198
1 mm - 26 mm Ø	26	16-1199

Stück per Satz	Satz, ohne Metallteil
Pieces per set	Set, without metal case
Pièces per jeu	Jeu, sans boîte en métal
Piezas para juego	Juego, sin caja de metal
Pezzi per serie	Serie, senza astuccio metallico

UTERINE DILATORS



HEGAR

4 mm - 17 mm Ø	14	16-1200	16-1202
1 mm - 26 mm Ø	26	16-1201	16-1203

Stück per Satz
Pieces per set

Satz, in Metalletui
Set, in metal case

Metalletui mit 2 Einlegeböden
metal case with 2 shelves

Pièces per jeu
Piezas para juego

Jeu, en boîte de métal
Juego, en caja de metal

boîte de métal avec 2 étagères
caja de metal con 2 estantes

Pezzi per serie

Serie, con astuccio metallico

astuccio metallica con 2 scaffali

UTERINE DILATORS



HEGAR

1 / 2 mm Ø	16-1204
3 / 4 mm Ø	16-1205
5 / 6 mm Ø	16-1206
7 / 8 mm Ø	16-1207
9 / 10 mm Ø	16-1208
11 / 12 mm Ø	16-1209
13 / 14 mm Ø	16-1210
15 / 16 mm Ø	16-1211
17 / 18 mm Ø	16-1212
19 / 20 mm Ø	16-1213
21 / 22 mm Ø	16-1214
23 / 24 mm Ø	16-1215
25 / 26 mm Ø	16-1216

HEGAR

3 / 4 mm - 17 / 18 mm Ø	8	16-1217
1 / 2 mm - 25 / 26 mm Ø	13	16-1218

Stück per Satz Satz, allein
 Pieces per set Set, only
 Pièces per jeu Jeu, seul
 Piezas para juego Juego, solo
 Pezzi per serie Serie, solo



1:3



1:3

HEGAR

3 / 4 mm - 17 / 18 mm Ø	8	16-1219	16-1220
1 / 2 mm - 25 / 26 mm Ø	13		16-1221

Stück per Satz Satz in Stoffroltasche
 Pieces per set Set in canvas roll
 Pièces per jeu Jeu en poche de textile
 Piezas para juego Juego en bolsa de tela
 Pezzi per serie Serie in astuccio di tela

Satz, in Metalletui
 Set, in metal case
 Jeu, en boîte de métal
 Juego, en caja de metal
 Serie, in astuccio metallico

UTERINE DILATORS & DEPRESSORS



HANK

Fig. 09/10	4.5 / 5.0 mm Ø	16-1222
Fig. 11/12	5.5 / 6.0 mm Ø	16-1223
Fig. 13/14	6.5 / 7.0 mm Ø	16-1224
Fig. 15/16	7.5 / 8.0 mm Ø	16-1225
Fig. 17/18	8.5 / 9.0 mm Ø	16-1226
Fig. 19/20	9.5 / 10.0 mm Ø	16-1227

HANK

4.5 / 5 mm – 9.5 / 10 mm Ø	6	16-1228
	<i>Stück per Satz</i>	<i>Satz, allein</i>
	<i>Pieces per set</i>	<i>Set, only</i>
	<i>Pièces per jeu</i>	<i>Jeu, seul</i>
	<i>Piezas para juego</i>	<i>Juego, solo</i>
	<i>Pezzi per serie</i>	<i>Serie, solo</i>



1:3

HANK

4.5 / 5 mm – 9.5 / 10 mm Ø	6	16-1229
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<i>Stück per Satz</i>	<i>Satz, in Stoffrolle</i>
<i>Pieces per set</i>	<i>Set, in canvas roll</i>
<i>Pièces per jeu</i>	<i>Jeu, en poche de textile</i>
<i>Piezas para juego</i>	<i>Juego, en bolsa de tela</i>
<i>Pezzi per serie</i>	<i>Serie, in astuccio di tela</i>

BRAUN

280 mm - 11°

16-1230



1:3

TENACULUM FORCEPS



**STAUDE-
MOORE**

170 mm - 6 $\frac{3}{4}$ "
16-1231



BARRETT

180 mm - 7"
16-1232



SKENE

240 mm - 9 $\frac{1}{2}$ "
16-1233



BRAUN

250 mm - 9 $\frac{3}{4}$ "
16-1234

TENACULUM FORCEPS



POZZI

255 mm - 10"

16-1235



SCHROEDER

250 mm - 9 7/8"

16-1236



SCHROEDER

240 mm - 9 1/2"



1:2

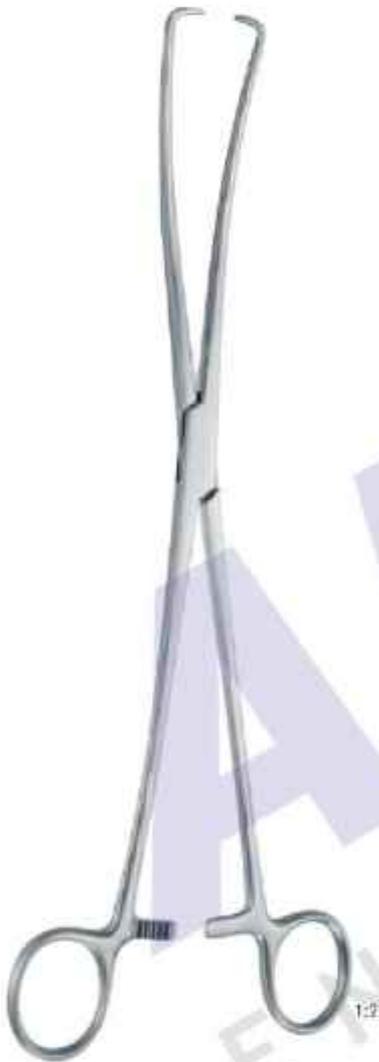
16-1237



1:2

16-1238

TENACULUM FORCEPS



DUPLAY

290 mm - 11"

16-1239



IOWA

260 mm - 10 1/4"

16-1240



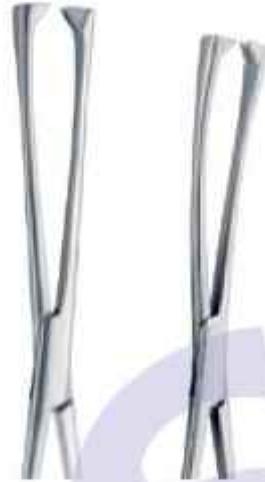
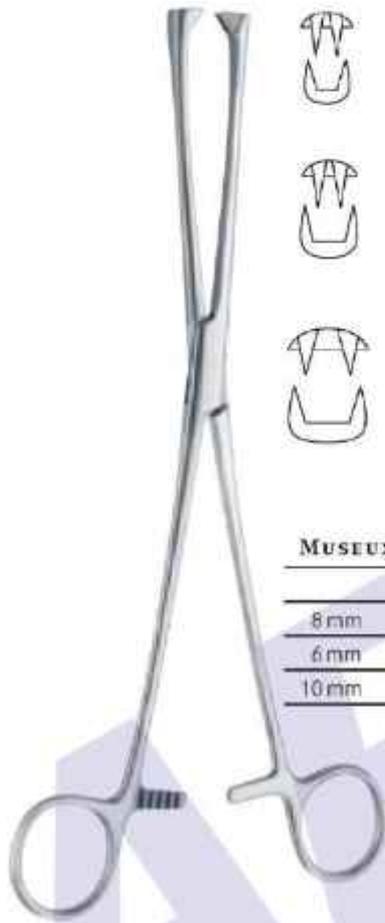
BEACHAM

260 mm - 10 1/4"

16-1241

Amniotom
Amniotome
Amniotomo
Amniotomo
Amniotomo

TENACULUM FORCEPS



MUSEUX

	240 mm - 9 1/2"	240 mm - 9 1/2"
8 mm	16-1242	16-1245
6 mm	16-1243	16-1246
10 mm	16-1244	16-1247



JACOBS

	210 mm - 8 1/4"	16-1248	16-1249



TEALE
230 mm - 9"
16-1250

1:2

TENACULUM FORCEPS



PRATT

260mm - 10 1/4"

16-1251



CZERNY

205mm - 8"

16-1252

UTERINE POLYPUS FORCEPS



KELLY

320 mm - 12½"

16-1253



NOTO

270 mm - 10¾"

16-1254



DOYEN

200 mm - 8"

16-1255

UTERINE SEIZING FORCEPS



DARTIGUES

270 mm - 10 $\frac{1}{4}$ " **16-1256**



SOMMER

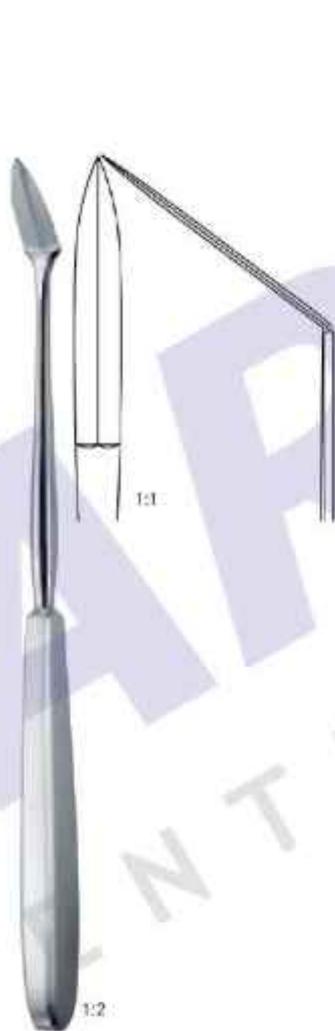
230 mm - 9" **16-1257**



COLLIN

250 mm - 9 $\frac{1}{4}$ " **16-1258**

MYOMA INSTRUMENTS



AYRE
230 mm - 9"
16-1259



SEGOND
270 mm - 10 1/4"
16-1260



DOYEN
170 mm - 6 1/4"
16-1261

FISTULA HOOKS



SIMON		
	Fig. 1	Fig. 2
220 mm - 8 3/4"	16-1262	16-1263



EMMET		
	Fig. 1	Fig. 2
220 mm - 8 3/4"	16-1264	16-1265
	Fig. 3	Fig. 4
220 mm - 8 3/4"	16-1266	16-1267
	Fig. 5	
220 mm - 8 3/4"	16-1268	

CERVICAL BIOPSY & SPECIMEN FORCEPS



SCHUBERT

210 mm - 8½"	16-1269
280 mm - 11"	16-1270



FAURE

210 mm - 8½"	16-1271
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SCHUBERT

260 mm - 10¼"	16-1272
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CERVICAL BIOPSY & SPECIMEN FORCEPS



GELLHORN

230mm - 9"

16-1273



THOMS-GAYLOR

220mm - 8 $\frac{3}{4}$ "

16-1274

240mm - 9 $\frac{1}{2}$ "

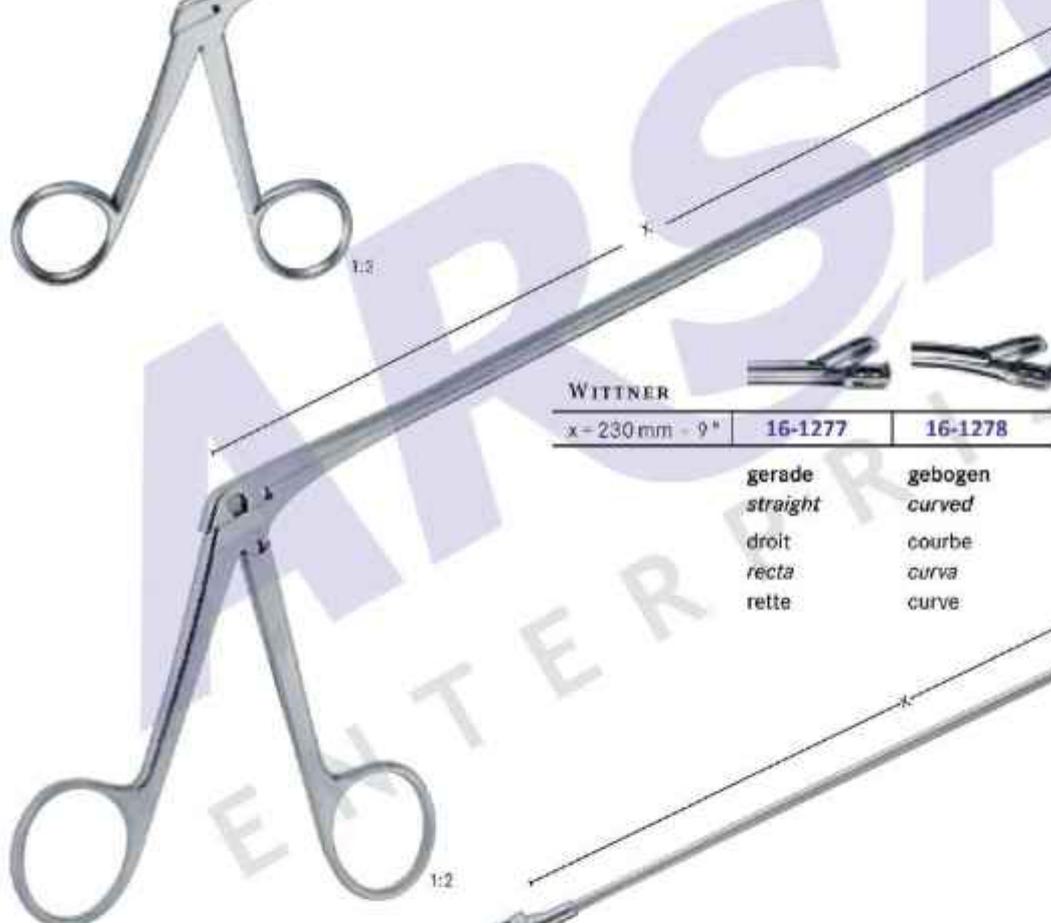
16-1275

CERVICAL BIOPSY & SPECIMEN FORCEPS



ALEXANDER

	280 mm - 11"
x = 200 mm - 8"	16-1276



WITTNER

x = 230 mm - 9"	16-1277	16-1278
-----------------	---------	---------

- | | |
|----------|---------|
| gerade | gebogen |
| straight | curved |
| droit | courbe |
| recta | curva |
| rette | curve |



SCHUMACHER

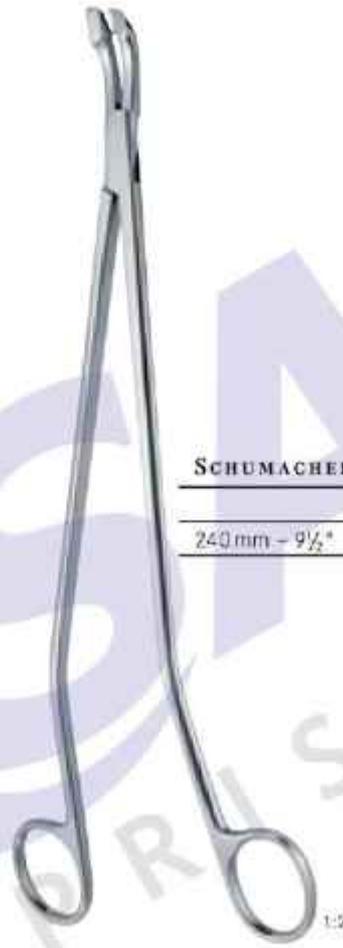
x = 230 mm - 9"	16-1279	16-1280
-----------------	---------	---------

- | | |
|----------|---------|
| komplett | Aufsatz |
| complete | Tip |
| complète | Embout |
| compieta | Tija |
| compieta | Punta |

CERVICAL BIOPSY & SPECIMEN FORCEPS



VAN DOREN
240 mm - 9½"
16-1281



SCHUMACHER	 1:1	 1:1
	Fig. 1	Fig. 2
240 mm - 9½"	16-1282	16-1283



SCHUMACHER	 1:1	 1:1
	Fig. 1	Fig. 2
x = 240 mm - 9½"	16-1284	16-1285

CERVICAL BIOPSY & SPECIMEN FORCEPS



BERGER

x = 200 mm - 8" **16-1286**



EPPENDORFER

x = 200 mm - 8" **16-1287**



KEVORKIAN

x = 245 mm - 9 7/8" **16-1288**

CERVICAL BIOPSY & SPECIMEN FORCEPS



**TISCHLER-MORGAN
USA MODELL**

x = 200 mm - 8"	16-1289
x = 250 mm - 9 7/8"	16-1290

**TISCHLER-
MORGAN**

16-1291
16-1292

Instrument wie abgebildet, jedoch ohne Feststellschraube.
Instrument as illustrated, but without locking screw.
 Instrument comme illustré, mais sans vis de fixation.
Instrumento como ilustrado, pero sin tornillo de fijación.
 Pinza come illustrata però senza vite di fissaggio.

CERVICAL BIOPSY & SPECIMEN FORCEPS



**MINI-TISCHLER
USA MODELL**

x= 200 mm - 8"	16-1293
x= 250 mm - 9 7/8"	16-1294

**MINI-
TISCHLER**

16-1295
16-1296

Instrument wie abgebildet, jedoch ohne Feststellschraube.
Instrument as illustrated, but without locking screw.

Instrument comme illustré, mais sans vis de fixation.
Instrumento como ilustrado, pero sin tornillo de fijación.
Pinza come illustrata però senza vite di fissaggio.

CERVICAL BIOPSY & SPECIMEN FORCEPS



UNI-TISCHLER
3 x 7 mm | 16-1299

gerade, Aufsatz allein
straight, Tip only
droit, mors seul
recta, boca sola
retta, punta sola



UNI-TISCHLER
3 x 7 mm | 16-1301

abwärts, Aufsatz allein
down, Tip only
bas, mors seul
abajo, boca sola
in basso, punta sola



16-1297
Uni-Griff allein
Handle only
Poignée seule
Mango solo
Manico solo



UNI-TISCHLER
3 x 7 mm | 16-1300

aufwärts, Aufsatz allein
up, Tip only
haut, mors seul
arriba, boca sola
in alto, punta sola



UNI-TOWNSEND
2,3 x 4 mm | 16-1302

gerade, Aufsatz allein
straight, Tip only
droit, mors seul
recta, boca sola
retta, punta sola



UNI-TOWNSEND
2,3 x 4 mm | 16-1303

aufwärts, Aufsatz allein
up, Tip only
haut, mors seul
arriba, boca sola
in alto, punta sola



16-1298
Uni-Griff allein mit Ring
Handle only
Poignée seule
Mango solo
Manico solo



UNI-TOWNSEND
2,3 x 4 mm | 16-1304

abwärts, Aufsatz allein
down, Tip only
bas, mors seul
abajo, boca sola
in basso, punta sola



UNI-KEVORKIAN
3 x 9 mm | 16-1305

Aufsatz allein
Tip only
Mors seul
Boca sola
Punta sola



UNI-OVAL
3 x 5 mm | 16-1306

Aufsatz allein
Tip only
Mors seul
Boca sola
Punta sola



UNI-BURKE
3 x 5 mm | 16-1307

Aufsatz allein
Tip only
Mors seul
Boca sola
Punta sola

BIOPSY CURETTES



RANDALL

	4 mm Ø
240mm - 9 1/2"	16-1308



KEVORKIAN

300 mm - 12"	16-1309	16-1310
--------------	----------------	----------------

fest, ohne Korb
rigid, without basket
rigida, sans panier
rigida, sin cesta
rigida, senza cestino

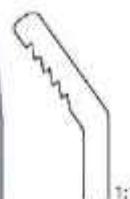
fest, mit Korb
rigid, with basket
rigide, avec panier
rigida, con cesta
rigida, con cestino

16-1311

16-1312

biegsam, ohne Korb
malleable, without basket
malléable, sans panier
malleable, sin cesta
flessibile, senza cestino

biegsam, mit Korb
malleable, with basket
malléable, avec panier
malleable, con cesta
flessibile, con cestino



NOVAK

	4 mm Ø
230 mm - 9"	16-1313

MINI-NOVAK

	235 mm - 9 1/4"
1 mm Ø	16-1314
2 mm Ø	16-1315
3 mm Ø	16-1316



ASPIRATING CURETTES



	200 mm - 11 1/2"*
3 mm Ø	16-1317
4 mm Ø	16-1318
6 mm Ø	16-1319
8 mm Ø	16-1320
10 mm Ø	16-1321
12 mm Ø	16-1322
14 mm Ø	16-1323

Probe- und Absaugkürette
Specimen and aspirating curette
 Curette à biopsies et d'aspiration
Cureta de biopsia y de aspiración
 Cùrette per biopsia ed per aspirazione



120 mm - 4 3/4"	16-1324
-----------------	---------

Kupplungsstück
Coupling piece
 Pièce d'accouplement
Pieza de conexión
 Pezzo di connessione

1:2

SALPINGOGRAPH



SCHULTZE

295 mm - 11 1/2" * **16-1325**

Salpingograph, komplett im Holzetui
Salpingograph, complete in wooden case
 Salpingographe, complet en etui de bois
Salpingógrafo, completa en caja de madera
 Salpingografo, completo in astuccio di legno



	4 mm Ø
x = 230 mm - 9" * 16-1326	

Zange zum Entfernen von Spiralen
Forceps for I.U.D. removings
 Pince pour enlever des stérilets
Pinza para remover la espiral de esterilidad
 Pinza per distaccare la spirale

UTERINE CURETTES



scharf, biegsam <i>sharp, malleable</i>	stumpf, biegsam <i>blunt, malleable</i>	scharf, fest <i>sharp, rigid</i>	stumpf, fest <i>blunt, rigid</i>
tranchante, malléable <i>cortante, maleable</i>	mousse, malléable <i>roma, maleable</i>	tranchante, rigide <i>cortante, rigida</i>	mousse, rigid <i>roma, rigida</i>
tagliente, flessibile	smussa, flessibile	tagliente, rigida	smussa, rigida

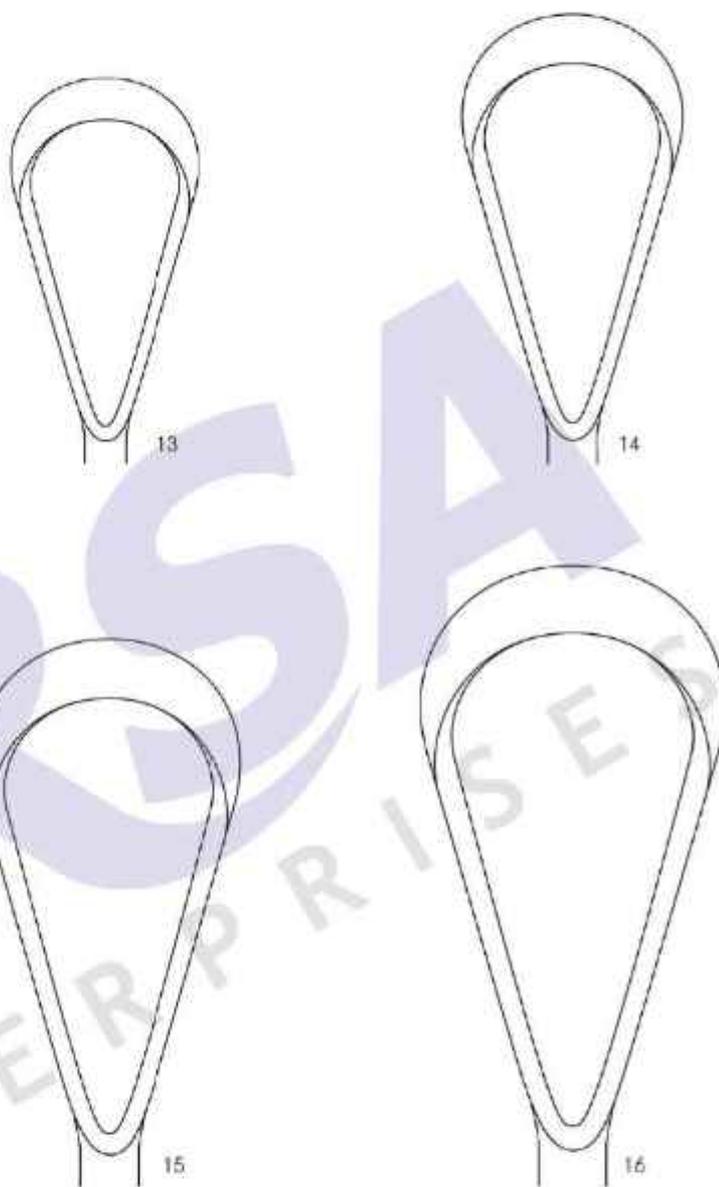
RECAMIER

$y=260\text{mm}-10\frac{1}{4}''$	Fig.	x-mm				
	00	5	16-1327	16-1355	16-1383	16-1411
	0	6	16-1328	16-1356	16-1384	16-1412
	1	7	16-1329	16-1357	16-1385	16-1413
	2	8	16-1330	16-1358	16-1386	16-1414
	3	9	16-1331	16-1359	16-1387	16-1415
	4	11	16-1332	16-1360	16-1388	16-1416
	5	12	16-1333	16-1361	16-1389	16-1417
	6	14	16-1334	16-1362	16-1390	16-1418
	7	15	16-1335	16-1363	16-1391	16-1419
	8	16	16-1336	16-1364	16-1392	16-1420
	9	19	16-1337	16-1365	16-1393	16-1421
	10	20	16-1338	16-1366	16-1394	16-1422
	11	21	16-1339	16-1367	16-1395	16-1423
	12	23	16-1340	16-1368	16-1396	16-1424

$y=310\text{mm}-12\frac{1}{4}''$	Fig.	mm				
	00	5	16-1341	16-1369	16-1397	16-1425
	0	6	16-1342	16-1370	16-1398	16-1426
	1	7	16-1343	16-1371	16-1399	16-1427
	2	8	16-1344	16-1372	16-1400	16-1428
	3	9	16-1345	16-1373	16-1401	16-1429
	4	11	16-1346	16-1374	16-1402	16-1430
	5	12	16-1347	16-1375	16-1403	16-1431
	6	14	16-1348	16-1376	16-1404	16-1432
	7	15	16-1349	16-1377	16-1405	16-1433
	8	16	16-1350	16-1378	16-1406	16-1434
	9	19	16-1351	16-1379	16-1407	16-1435
	10	20	16-1352	16-1380	16-1408	16-1436
	11	21	16-1353	16-1381	16-1409	16-1437
	12	23	16-1354	16-1382	16-1410	16-1438



UTERINE CURETTES



scharf, biegsam
sharp, malleable
tranchante, malléable
cortante, maleabile
tagliente, flessibile

stumpf, biegsam
blunt, malleable
mousse, malléable
roma, maleabile
smussa, flessibile

scharf, fest
sharp, rigid
tranchante, rigide
cortante, rigida
tagliente, rigida

stumpf, fest
blunt, rigid
mousse, rigid
roma, rigida
smussa, rigida

RECAMIER

y-340mm-13½"	Fig.	x-mm				
	13	25	16-1439	16-1443	16-1447	16-1451
	14	30	16-1440	16-1444	16-1448	16-1452
	15	35	16-1441	16-1445	16-1449	16-1453
	16	40	16-1442	16-1446	16-1450	16-1454

UTERINE CURETTES



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

SIMS

250mm - 9 3/4"	Fig.	x=mm				
	1	7	16-1455	16-1461	16-1467	16-1473
	2	8	16-1456	16-1462	16-1468	16-1474
	3	9	16-1457	16-1463	16-1469	16-1475
	4	11	16-1458	16-1464	16-1470	16-1476
	5	12	16-1459	16-1465	16-1471	16-1477
	6	14	16-1460	16-1466	16-1472	16-1478

scharf, biegsam
sharp, malleable

tranchante, malléable
cortante, malleable
tagliente, flessibile

stumpf, biegsam
blunt, malleable

mousse, malléable
roma, malleable
smussa, flessibile

scharf, fest
sharp, rigid

tranchante, rigide
cortante, rigida
tagliente, rigida

stumpf, fest
blunt, rigid

mousse, rigide
roma, rigida
smussa, rigida

UTERINE SPOONS



SIMON



	Fig. 1	Fig. 2	Fig. 3
250 mm - 9 7/8"	16-1479	16-1480	16-1481

scharf, fest
sharp, rigid
tranchante, rigide
cutting, rigid
taglianti, rigido

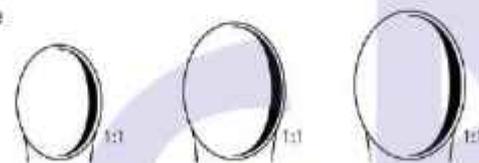


	Fig. 4	Fig. 5	Fig. 6
	16-1482	16-1483	16-1484



SCHRÖDER



	Fig. 1	Fig. 2	Fig. 3
300 mm - 12"	16-1485	16-1486	16-1487



	Fig. 4	Fig. 5	Fig. 6
	16-1488	16-1489	16-1490

OBSTETRICAL FORCEPS



**SIMPSON-
LUIKART**

1:3

360 mm - 14 1/4"	16-1491
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1:3

WRIGLEY

230 mm - 9"	16-1492
-------------	----------------

für Kaiserschnitt
for caesarian section
pour césarienne
para operación cesárea
per taglio cesareo



1:3

DELEE

300 mm - 12"	16-1493
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DELEE

360 mm - 14 1/4"	16-1494
390 mm - 15 3/4"	16-1495

OBSTETRICAL FORCEPS

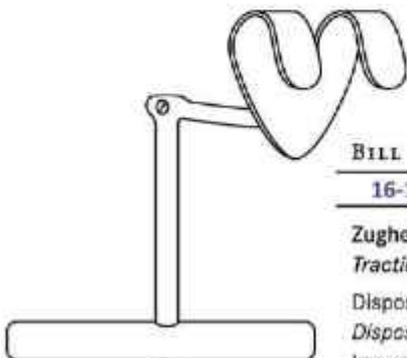


ELLIOT
320 mm - 12½" | **16-1496**
380 mm - 15" | **16-1497**

MCLEAN 1:3
360 mm - 14½" | **16-1498**

KIELLAND 1:3
410 mm - 16½" | **16-1499**

KIELLAND-LUIKART 1:3
400 mm - 16" | **16-1500**



BILL
16-1501

Zughebel, passend für alle Geburtszangen mit gehorntem Standard-Griff.
Traction handle for all the forceps with horned standard handle
Dispositif de traction pour tous les forceps avec manche normal à cornes
Dispositivo de tracción para todos los forceps con mango standard cornudo
Impugnatura di trazione adatto a tutti i forcipi con manico standard con corna

OBSTETRICS



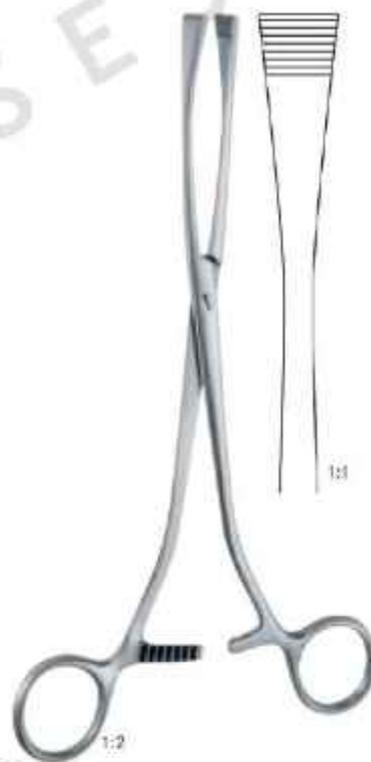
SELLHEIM
280 mm - 11" | **16-1502**

Geburtslöffel
Obstetric lever
Cuillère obstétricale
Cuchara obstétrica
Cucchaio obstetrico



BRAUN
325 mm - 12 3/4" | **16-1503**

Dekapitationshaken
Decapitating hook
Crochet de décapitation
Grancho de decapitación
Uncino di decapitazione



GREEN-ARMYTAGE
210 mm - 8 1/4" | **16-1504**

Uterusklemmzange
Uterine elevating forceps
Pince utérine
Pinza para el útero
Pinza uterina

OBSTETRICS



SMELLIE

250 mm - 10"	16-1505
--------------	----------------

Perforatorium
Perforator
Perforateur
Perforador
Perforatore



BRAUN

420 mm - 16 1/2"	16-1506
------------------	----------------

Kranioklast, ein Maul gefenestert
Cranioclast, one jaw fenestrated
Cranioclaste, une partie fenestrée
Craneoclasto, una boca fenestrada
Cranioclaste, un lato fenestrato



TARNIER

460 mm - 17 1/4"	16-1507
------------------	----------------

Basiotrib
Basiotribe
Basiotribe
Basiotribo
Basiotribo

ABORTION FORCEPS- OVUM CURETTES



WINTER

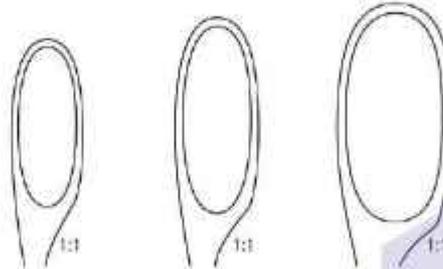
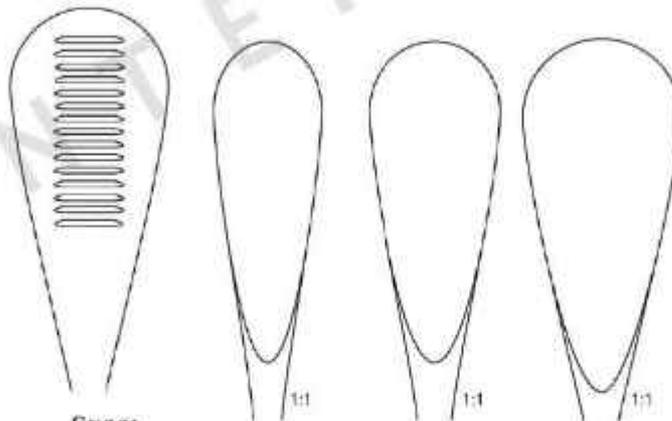


	Fig. 1	Fig. 2	Fig. 3
280 mm - 11"	16-1508	16-1509	16-1510
gerade straight droit recta rette			
	16-1511	16-1512	16-1513

gebogen
curved
courbe
curva
curve

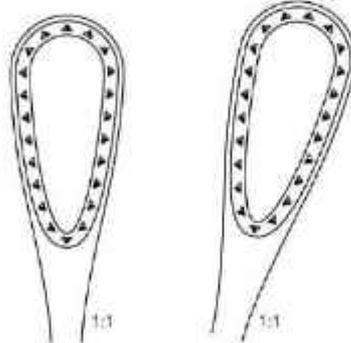


CUZZI

	14.5 mm	18.0 mm	21.0 mm
300 mm - 12"	16-1514	16-1515	16-1516

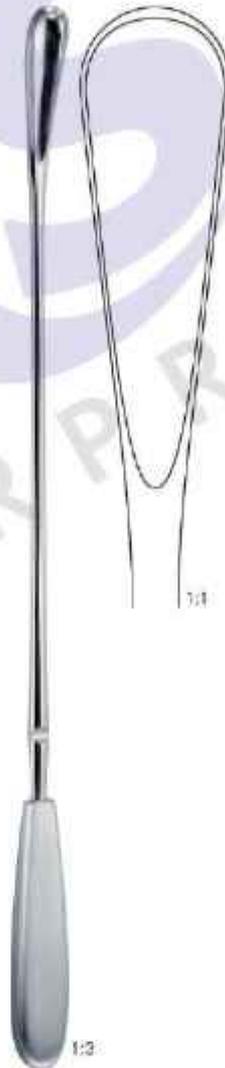
stumpf, Rückseite gerieft
blunt, back serrated
mousse, dos strié
romo, dorso estriado
smusso, dorso zigrinato

ABORTION FORCEPS- OVUM CURETTES



SAENGER

270 mm - 10 3/4"	16-1517	16-1518
------------------	----------------	----------------



WALLICH

420 mm - 16 1/2"	16-1519
------------------	----------------



PESTALOZZA

300 mm - 12"	16-1520
--------------	----------------

- stumpf
- blunt
- mousse
- roma
- smussa

UMBILICAL CORD CLAMPS



KANE
85mm - 3/4" | **16-1521**

COLLIN
90mm - 3/7" | **16-1522**

PELVIMETERS



MARTIN

340 mm - 13 1/4" **16-1523**

cm / Zoll-Scala
cm / inch-scale

échelle en cm / pouces
escala cm / pulgadas
scala cm / pollici



COLLIN

350 mm - 13 3/4" **16-1524**

cm-Scala
cm-scale

échelle en cm
escala en cm
scala in cm

17

ARSA
ENTERPRISES

ENT



EAR SPECULA



1:1

TOYNBEE	○ 1:1	○ 1:1	○ 1:1	○ 1:1
	Fig. 1	Fig. 2	Fig. 3	Fig. 4
	4.5 mm Ø	5.5 mm Ø	6.5 mm Ø	7.5 mm Ø
36 mm - 1/2"	17-1001	17-1002	17-1003	17-1004
17-1005		x	x	x
17-1006	x	x	x	x

Satz, für Erwachsene
Set, for adults

Jeu, pour adultes
Juego, para adultos
Serie, per adulti



1:1

RICHNAU HOLMGREN	○ 1:1	○ 1:1	○ 1:1	○ 1:1
	Fig. 0	Fig. 1	Fig. 2	Fig. 3
	3 mm Ø	4 mm Ø	5 mm Ø	6 mm Ø
	17-1007	17-1008	17-1009	17-1010

EAR SPECULA



BOUCHERON				
	Fig. 1	Fig. 2	Fig. 3	Fig. 4
	4,5 mm Ø	5,5 mm Ø	6,5 mm Ø	7,5 mm Ø
	17-1011	17-1012	17-1013	17-1014
17-1015	x	x	x	x

Satz für Erwachsene
Set for adults
Jeu pour adultes
Juego para adultos
Serie per adulti



HARTMANN			
	Fig. 0	Fig. 1	Fig. 2
	3,0 mm Ø	4,5 mm Ø	5,5 mm Ø
	17-1016	17-1017	17-1018
17-1019	x	x	x

Satz für Kinder
Set for children
Jeu pour enfants
Juego para niños
Serie per bambini



HARTMANN				
	Fig. 1	Fig. 2	Fig. 3	Fig. 4
	4,5 mm Ø	5,5 mm Ø	6,5 mm Ø	7,5 mm Ø
	17-1020	17-1021	17-1022	17-1023
17-1024		x	x	x
17-1025	x	x	x	x

Satz für Erwachsene
Set for adults
Jeu pour adultes
Juego para adultos
Serie per adulti



HARTMANN					
	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	2,0 mm Ø	3,5 mm Ø	5,0 mm Ø	6,5 mm Ø	7,5 mm Ø
	17-1026	17-1027	17-1028	17-1029	17-1030
17-1031		x	x	x	x

Satz für Erwachsene, schwarz
Set for adults, black
Jeu pour adultes, noir
Juego para adultos, negro
Serie per adulti, nero

TUNING FORKS



LUCAE

c 128

17-1032

verschiebbar bis h
variable up to h (engl. b)
variable jusqu'à h (franc. si)
variable hasta h (esp. si)
regolabile fino a h

RYDEL-SEIFFER

C 64 / c 128

17-1033

mit Dämpfer C 64, ohne Dämpfer c 128
with clamps C 64, without clamps c 128
avec curseurs C 64, sans curseurs c 128
con sordinas C 64, sin sordinas c 128
con cursori C 64, senza cursori c 128

FRENCH

C,16

17-1034

C,32

17-1035

TUNING FORKS



HARTMANN

c 128	c ¹ 256	c ² 512	c ³ 1024	c ⁴ 2048	C ⁵ 4096
17-1036	17-1037	17-1038	17-1039	17-1040	17-1041



HARTMANN

17-1042

Set in case
Jeu en boîte
Juego en estuche
Serie in astuccio

EAR CURETTES



Buck

	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
165 mm - 6 1/2"	17-1043	17-1044	17-1045	17-1046	17-1047	17-1048	17-1049	17-1050

stumpf
blunt
mousse
roma
smussa

	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
165 mm - 6 1/2"	17-1051	17-1052	17-1053	17-1054	17-1055	17-1056	17-1057	17-1058

scharf
sharp
tranchante
cortante
tagliente

! Abbildungen zeigen den Außendurchmesser.
Pictures show the outer diameter.
 Illustrations représentent le diamètre externe.
Ilustraciones presentan el diametro externo.
 Le illustrazioni mostrano il diametro esterno.

EAR CURETTES & SHARP SPOONS



LANGENBECK

130 mm - 5"

17-1059

stumpf
blunt
mousse
roma
smussa



JANSEN

170 mm - 6 3/4"

17-1060

scharf
sharp
tranchante
cortante
acuta



GROSS

120 mm - 4 3/4"

17-1061

scharf, voll
sharp, not fenestrated
tranchante, pleine
cortante, lleno
acuta, pieno



JANSEN

120 mm - 4 3/4"

17-1062

stumpf, gefenstert
blunt, fenestrated
mousse, fenêtrée
romas, fenestrada
smussa, fenestrata



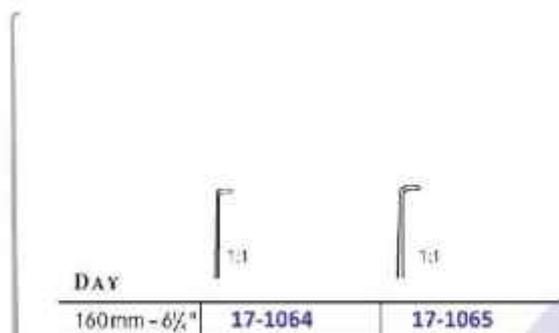
JANSEN

160 mm - 6 1/4"

17-1063

scharf
sharp
tranchante
cortante
acuta

EAR HOOKS



MUCK
135mm - 5 1/4" | **17-1066**



GERZOG-SEXTON
170mm - 6 3/4" | **17-1067**

EAR POLYPUS SNARES



	10 m - 33 ft.
0.2 mm Ø	17-1068
0.3 mm Ø	17-1069



0.2 mm Ø x 75 mm	17-1070
0.3 mm Ø x 100 mm	17-1071

in Bündeln mit 12 Stück
in bundles of 12 pieces
en paquets de 12 pièces
en llos de 12 piezas
pacchetto di 12 pezzi



KRAUSE
160 mm - 6¼" 17-1072



KRAUSE-VOSS
160 mm - 6¼" 17-1073



LANGE-WILDE
170 mm - 6¾" 17-1074

EAR FORCEPS



HARTMANN-WULLSTEIN
x = 85 mm - 3 1/4" **17-1075**



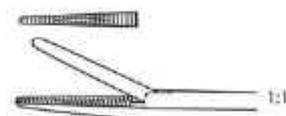
HARTMANN-WULLSTEIN
1 mm Ø
x = 85 mm - 3 1/4" **17-1076**



HARTMANN
x = 85 mm - 3 1/4" **17-1077**
x = 140 mm - 5 1/2" **17-1078**
x = 160 mm - 6 1/4" **17-1079**



HARTMANN
x = 85 mm - 3 1/4" **17-1080**
x = 140 mm - 5 1/2" **17-1081**



HARTMANN-NOYES
x = 90 mm - 3 1/2" **17-1082**

1x2



HARTMANN-WEINGÄRTNER
x = 85 mm - 3 1/4" **17-1086**



HARTMANN
x = 85 mm - 3 1/4"
2.0 mm Ø **17-1087**
2.5 mm Ø **17-1088**
3.0 mm Ø **17-1089**

STRUEMPFL
x = 85 mm - 3 1/4" **17-1083**



0° **17-1084**



45° **17-1084**



90° **17-1085**

MICRO EAR FORCEPS



MINI MCGEE	
a x b	x = 75 mm - 3"
3.5 mm x 0.6 mm	17-1090

gerade, glatt
straight, smooth
droit, lisse
recta, lisa
retta, liscia

a x b	x = 75 mm - 3"
3.5 mm x 0.6 mm	17-1091

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retta, zigrinata

a x b	x = 75 mm - 3"	x = 75 mm - 3"	x = 75 mm - 3"
3.5 mm x 0.6 mm			17-1094
4.0 mm x 0.8 mm	17-1092	17-1093	17-1095

gerade, glatt
straight, smooth
droit, lisse
recta, lisa
retta, liscio

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retta, zigrinata

aufgebogen, gerieft
curved upwards, serrated
coudé en haut, strié
curvada arriba, estriada
curvata in alto, zigrinata

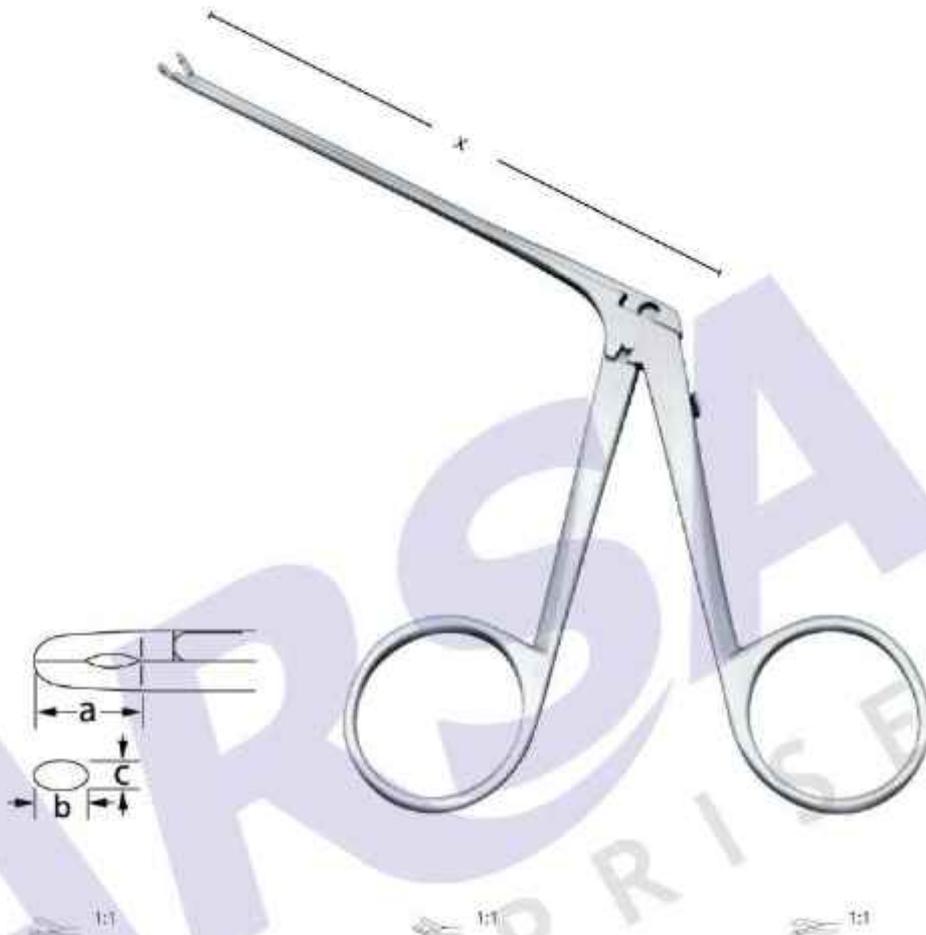
a x b	x = 75 mm - 3"	x = 75 mm - 3"	x = 75 mm - 3"
3.5 mm x 0.6 mm	17-1096	17-1098	17-1100
4.0 mm x 0.8 mm	17-1097	17-1099	17-1101

rechts gebogen, gerieft
curved to right, serrated
coudé à droite, strié
curvada a la derecha, estriada
curvata a destra, zigrinato

links gebogen, gerieft
curved to left, serrated
coudé à gauche, strié
curvada a la izquierda, estriada
curvata a sinistra, zigrinata

abwärts gebogen, gerieft
angled down, serrated
coudé en bas, strié
curvada a bajo, estriada
curvata in basso, zigrinata

MICRO EAR FORCEPS



	$x = 75 \text{ mm} - 3''$	$x = 75 \text{ mm} - 3''$	$x = 75 \text{ mm} - 3''$
$a = 4.0 \text{ mm}$ $b = 1.0 \text{ mm} \times c = 0.9 \text{ mm}$	17-1102	17-1103	17-1104

gerade, oval
straight, oval
droit, ovale
recta, oval
retta, ovale

aufgebogen, oval
curved upwards, oval
coudé en haut, ovale
curvada arriba, oval
curvata in alto, ovale

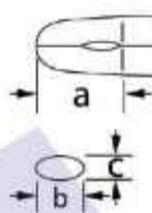
links gebogen, oval
curved to left, oval
coudé à gauche, ovale
curvada a la izquierda, oval
curvata a sinistra, ovale

	$x = 75 \text{ mm} - 3''$	$x = 75 \text{ mm} - 3''$
$a = 4.0 \text{ mm}$ $b = 1.0 \text{ mm} \times c = 0.9 \text{ mm}$	17-1105	17-1106

rechts gebogen, oval
curved to right, oval
coudé à droite, ovale
curvada a la derecha, oval
curvata a destra, ovale

abwärts gebogen, oval
curved downwards, oval
coudé en bas, ovale
curvada a bajo, oval
curvata in basso, ovale

MICRO EAR FORCEPS



	$x = 80 \text{ mm} - 3/4^*$	$x = 80 \text{ mm} - 3/4^*$
$a = 3.5 \text{ mm}$ $b = 0.6 \text{ mm} \times c = 0.5 \text{ mm}$	17-1107	17-1109
$a = 4.0 \text{ mm}$ $b = 1.0 \text{ mm} \times c = 0.9 \text{ mm}$	17-1108	17-1110

gerada, oval
straight, oval
droit, ovale
recta, oval
retta, ovale

aufgebogen, oval
curved upwards, oval
coudé en haut, ovale
curvada arriba, oval
curvata in alto, ovale



	$x = 80 \text{ mm} - 3/4^*$	$x = 80 \text{ mm} - 3/4^*$
$a = 3.5 \text{ mm}$ $b = 0.6 \text{ mm} \times c = 0.5 \text{ mm}$	17-1111	17-1113
$a = 4.0 \text{ mm}$ $b = 1.0 \text{ mm} \times c = 0.9 \text{ mm}$	17-1112	17-1114

rechts gebogen, oval
curved to right, oval
coudé à droite, ovale
curvada a la derecha, oval
curvata a destra, ovale

links gebogen, oval
curved to left, oval
courbe à gauche, ovale
curvada a la izquierda, oval
curvata a sinistra, ovale

MICRO EAR FORCEPS



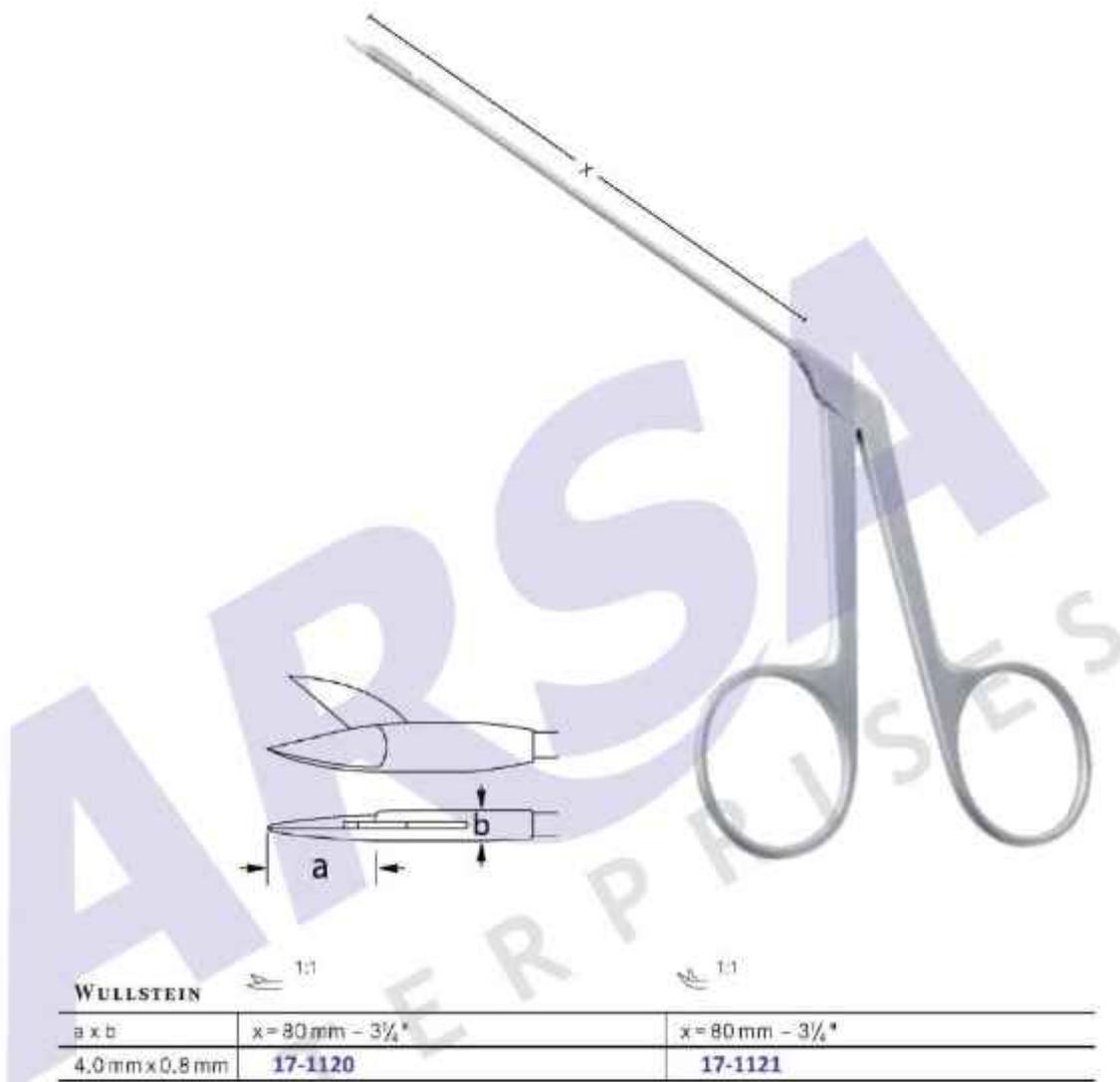
BELUCCI

a x b	x = 75 mm - 3°	x = 75 mm - 3°
4,0 mm x 0,8 mm	17-1115	17-1116
sehr fein very fine	gerade, spitz/spitz straight, sharp/sharp	aufgebogen, stumpf/stumpf curved upwards, blunt/blunt
très fine muy fina molto delicata	droit, pointue/pointue recta, aguda/aguda retta, acuta/acuta	courbés en haut, mousse/mousse curvada arriba, roma/roma curvata in alto, smussa/smussa

a x b	x = 75 mm - 3°	x = 75 mm - 3°
4,0 mm x 0,8 mm	17-1117	17-1118
sehr fein very fine	rechts gebogen, spitz/spitz curved to right, sharp/sharp	links gebogen, spitz/spitz curved to left, sharp/sharp
très fine muy fina molto delicata	coudé à droite, pointue/pointue curvada a la derecha, aguda/aguda curvata a destra, acuta/acuta	coudée à gauche, pointue/pointue curvada a la izquierda, aguda/aguda curvata a sinistra, acuta/acuta

a x b	x = 75 mm - 3°
4,0 mm x 0,8 mm	17-1119
gerade, spitz/stumpf straight, sharp/blunt	
droit, pointue/mousse recta, aguda/roma retta, acuta/smussa	

MICRO EAR FORCEPS



WULLSTEIN		WULLSTEIN	
a x b	x = 80 mm - 3/4 *	x = 80 mm - 3/4 *	
4,0 mm x 0,8 mm	17-1120	17-1121	
	gerade, spitz/spitz straight, sharp/sharp droit, pointue/pointue recta, aguda/aguda retta, acuta/acuta	aufgebogen, spitz/spitz curved upwards, sharp/sharp coudée en haut, pointue/pointue curvada arriba, aguda/aguda curvata in alto, acuta/acuta	

WULLSTEIN		WULLSTEIN	
a x b	x = 80 mm - 3/4 *	x = 80 mm - 3/4 *	
4,0 mm x 0,8 mm	17-1122	17-1123	
	rechts gebogen, spitz/spitz curved to right, sharp/sharp coudé à droite, pointue/pointue curvada a la derecha, aguda/aguda curvata a destra, acuta/acuta	links gebogen, spitz/spitz curved to left, sharp/sharp coudée à gauche, pointue/pointue curvado a la izquierda, aguda/aguda curvata a sinistra, acuta/acuta	

EAR SICKLEKNIFES - CURCULAR CUTTING KNIFE



ROSEN				
				
	1.5 mm Ø - 90°	45°	45°	
160mm - 6 1/4"	17-1124	17-1125	17-1126	17-1127

Rundschnittmesser
Circular cutting knife
Couteau rond
Cuchillo redondo
Coltello rotondo

Trommelfellmesser
Tympanum knife
Couteau pour le tympan
Cuchillo para el timpano
Coltello per timpani

Lanzenmesser
Lancet knife
Couteau lancéolaire
Cuchillo lanceolado
Coltello lanceolato

Lanzenmesser
Lancet knife
Couteau lancéolaire
Cuchillo lanceolado
Coltello lanceolato

SCHUHKNIECHT				
				
160mm - 6 1/4"	17-1128	17-1129	17-1130	17-1131

Rollermesser, parallel
Roller knife, parallel
Couteau à lame, tournante, verticale
Cuchillo redondo, vertical
Coltello rotondo, paralelo

Rollermesser, rechtwinklig
Roller knife, right angled
Couteau à lame, tournante, horizontale
Cuchillo redondo, horizontal
Coltello rotondo, orizzontale

Sichelmesser, leicht gebogen
Sickle knife, slightly curved
Couteau faucille, légèrement courbe
Cuchillo de hoz, ligeramente curvado
Coltello a ferma di falce, leggermente curvo

Diszisionsmesser, gerade
Discision knife, straight
Couteau à discision, droit
Cuchillo de discición, recto
Coltello di dissezione, retto

PLESTER				
160mm - 6 1/4"	17-1132	45°	160 mm - 6 1/4"	
	Lappmesser <i>Flap knife</i> Couteau à lambeaux <i>Cuchillo para lobulos</i> Coltello per stacci	3.0 mm Ø	17-1133	
		2.6 mm Ø	17-1134	
		2.0 mm Ø	17-1135	
		1.5 mm Ø	17-1136	
		1.0 mm Ø	17-1137	

Lappmesser
Flap knife
Couteau à lambeaux
Cuchillo para lobulos
Coltello per stacci

Rundschnittmesser
Circular cutting knife
Couteau rond
Cuchillo redondo
Coltello rotondo

ZÖLLNER				
				
	1 mm	1 mm		
160 mm - 6 1/4"	17-1138	17-1139		
	Raspatorium <i>Raspatory</i> Rugine <i>Raspatorio</i> Raspatorio	Raspatorium <i>Raspatory</i> Rugine <i>Raspatorio</i> Raspatorio		

MICRO EAR-NEEDLES & HOOKS



160 mm - 6 1/4"
17-1140

Nadel fein, gerade, spitz
Needle fine, straight, sharp
Aiguille fine, droite, pointue
Aguja fina, recta, aguda
Ago fino, retto, acuto



160 mm - 5 1/4"
17-1141

Nadel, leicht gebogen, spitz
Needle, slightly curved, sharp
Aiguille, légèrement courbe, pointue
Aguja, ligeramente curva, aguda
Ago, leggermente curvato, acuto



160 mm - 6 1/4"
17-1142

Nadel, stark gebogen, spitz
Needle, strong curved, sharp
Aiguille, très courbe, pointue
Aguja, muy curvada, aguda
Ago, fortemente curvato, acuto



SHAMBAUGH

	160 mm - 5 1/4"	160 mm - 6 1/4"
	45°	90°
0.4 mm	17-1143	17-1147
0.6 mm	17-1144	17-1148
0.8 mm	17-1145	17-1149
1.0 mm	17-1146	17-1150

Häkchen, abgewinkelt
Hook, angled
Crochet, coudé
Gancho, acodado
Uncino, angolato



	160 mm - 6 1/4"
1.0 mm	17-1151
2.5 mm	17-1152

Häkchen, retrograd gebogen
Hook, retrograd
Crochet, courbe retrograde
Gancho, acodado, retrogrado
Uncino, curvato reterogrado



	160 mm - 6 1/4"
0.6 mm	17-1153

Häkchen, retrograd gebogen
Hook, retrograd
Crochet, courbe retrograde
Gancho, acodado, retrogrado
Uncino, curvato reterogrado



PLESTER
0.4 mm - 90° **17-1154**

Fussplattenhäkchen, abgewinkelt, stumpf
Foot plate hook, angled, blunt
Crochet pour la platine de l'étrier, mousse
Gancho, para placa de aido, roma
Uncino per placca di piede, smusso



PLESTER
1.0 mm - 45° **17-1155**

Antrum Häkchen, aufgewinkelt, stumpf
Antrum hook, angled, blunt
Crochet pour l'antré, coudé, mousse
Gancho para el antrum, acodado, roma
Uncino per antrum, angolato in alto, smusso



BARBARA

17-1156	17-1157	17-1158	17-1159
spitz/gerade <i>sharp/straight</i>	stumpf/gewinkelt <i>blunt/angled</i>	spitz/leicht gebogen <i>sharp/slightly curved</i>	spitz/stark gebogen <i>sharp/strong curved</i>
pointue/droite <i>aguda/recta</i> acuto/retta	mousse/coudée <i>roma/angulada</i> smusso/angolato	pointue/légèrement courbe <i>aguda/ligeramente curva</i> acuto/legeremente curvato	pointue/très courbe <i>aguda/muy curva</i> acuto/fortemente cu



MICRO EAR-NEEDLES & HOOKS



SHAMBAUGH

	150mm - 6 1/8"*	160mm - 6 1/4"*
	90°	90°
0.3 mm	17-1160	17-1163
0.6 mm	17-1161	17-1164
1.0 mm	17-1162	17-1165

Häkchen, nach oben gebogen
Hook, curved up
Crochet, coudé en haut
Gancho, curvado arriba
Uncino, curvato in alto

Häkchen, nach unten gebogen
Hook, curved down
Crochet, coudé en bas
Gancho, curvado a bajo
Uncino, curvato in basso

McGEE

	150mm - 6 1/8"*	160mm - 6 1/4"*
0.5 mm	17-1166	17-1168
1.0 mm	17-1167	17-1169

Häkchen, rund, nach oben gebogen
Hook, round, curved up
Crochet, courbé ronde, vers le haut
Gancho, redondo, curvado arriba
Uncino, rotondo, curvato in alto

Häkchen, rund, nach unten gebogen
Hook, round, curved down
Crochet, courbé ronde vers le bas
Gancho, redondo, curvado arriba
Uncino, rotondo, curvato in basso

BARBARA

	0.5 mm
155 mm - 6"	17-1170

ROSEN

	0.5 mm
160 mm - 6 1/8"*	17-1171

Nadel, leicht gebogen
Needle, slightly curved
Aiguille, légèrement courbée
Aguja, ligeramente curvado
Ago, leggermente curvato

McGEE

	160mm - 6 1/8"*			
	25°	25°	45°	45°
0.3 mm	17-1172	17-1175	17-1178	17-1181
0.6 mm	17-1173	17-1176	17-1179	17-1182
1.0 mm	17-1174	17-1177	17-1180	17-1183

Häkchen, nach oben gebogen
Hook, curved up
Crochet, coudé en haut
Gancho, curvado arriba
Uncino, curvato in alto

Häkchen, nach unten gebogen
Hook, curved down
Crochet, coudé en bas
Gancho, curvado a bajo
Uncino, curvato in basso

Häkchen, nach oben gebogen
Hook, curved up
Crochet, coudé en haut
Gancho, curvado arriba
Uncino, curvato in alto

Häkchen, nach unten gebogen
Hook, curved down
Crochet, coudé en bas
Gancho, curvado a bajo
Uncino, curvato in basso

MICRO EAR SPOONS



HOUSE

170 mm - 6 3/4"	17-1184
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Löffel, stark gebogen
Spoon, strong curved

Curette, fortement coudée
Cureta, muy curvada
Cucchaio, fortemente curvato

170 mm - 6 3/4"	17-1185
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Löffel, leicht gebogen
Spoon, slightly curved

Curette, légèrement coudée
Cureta, ligeramente curvada
Cucchaio, legeramente curvato



SHEA

	1.5 mm x 2.5 mm	1.5 mm x 2.5 mm
160 mm - 6 1/4"	17-1186	17-1187

gerade
straight

droits
recta
retto

gebogen
curved

courbe
curva
curvo

MICRO EAR -CHISELS & HAMMERS



HEERMANN

0.7 mm	0.7 mm	1.0 mm	1.5 mm	3.0 mm
17-1188	17-1189	17-1190	17-1191	17-1192
Flachmeissel <i>Chisel</i>	Hohlmeissel <i>Gouge</i>	Hohlmeissel <i>Gouge</i>	Hohlmeissel <i>Gouge</i>	Hohlmeissel <i>Gouge</i>
Ciseaux <i>Escopio</i>	Gouge <i>Gubia</i>	Gouge <i>Gubia</i>	Gouge <i>Gubia</i>	Gouge <i>Gubia</i>
Scalpello	Sgorbia	Sgorbia	Sgorbia	Sgorbia

1:1



1:2

COTTLE

	240 g
185 mm - 7 1/4"	17-1193

Hammer, Metall
Metal hammer
Maillet en métal
Martillo, de metal
Martello, acciaio



HEERMANN

17-1194

Handgriff für Meissel (tk 50579-01 - tk 50579-05)
Handle for chisels (tk 50579-01 - tk 50579-05)
Manche pour ciseaux (tk 50579-01 - tk 50579-05)
Mango para escopios (tk 50579-01 - tk 50579-05)
Manico per scalpelli/sgorbie (tk 50579-01 - tk 50579-05)

EAR RASPATORIES



WULLSTEIN

160mm - 6 1/4"	17-1195	17-1196
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gerade	gebogen
straight	curved
droite	courbe
recta	curva
rette	curvo



ROSEN

	1.5mm
175mm - 7"	17-1197

bajonettförmig
bayonet shaped
en forme de baionette
en forma de bayoneta
forma a baionetta



LEMPERT

17-1198
160mm - 6 1/4"
3.0mm

BONE RONGEURS

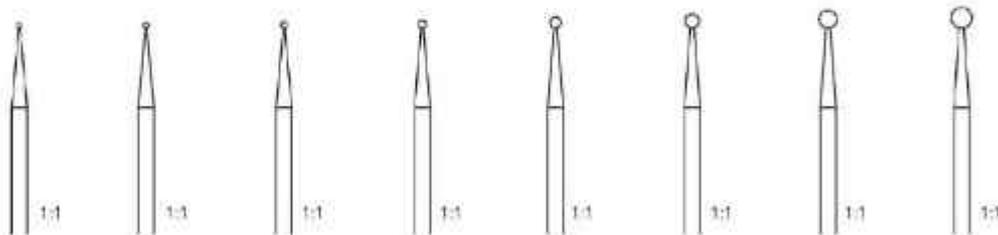


CITELLI	 1:1	 1:1
170 mm - 6 3/4"	2.2 mm	3.0 mm
x=60 mm	17-1199	17-1200



KERRISON				
200 mm - 8"	3 x 3 mm	4 x 4 mm	5 x 5 mm	6 x 6 mm
x=80 mm	17-1201	17-1202	17-1203	17-1204

BURRS



„ROSEN“-BOHRER

	0.6 mm Ø	0.7 mm Ø	0.8 mm Ø	1.0 mm Ø	1.4 mm Ø	1.8 mm Ø	2.3 mm Ø	2.7 mm Ø
70 mm - 2 3/4"	17-1205	17-1206	17-1207	17-1209	17-1209	17-1210	17-1211	17-1212

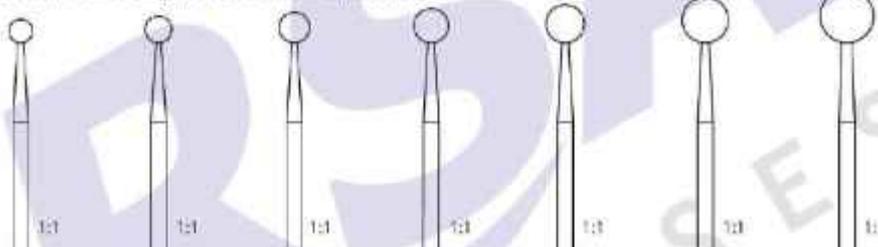
„Rosen“-Bohrer, 70 mm lang, Schaft-Ø 2.35 mm, rostfrei

"Rosen" burrs, 70 mm long, shank diameter 2.35 mm, stainless

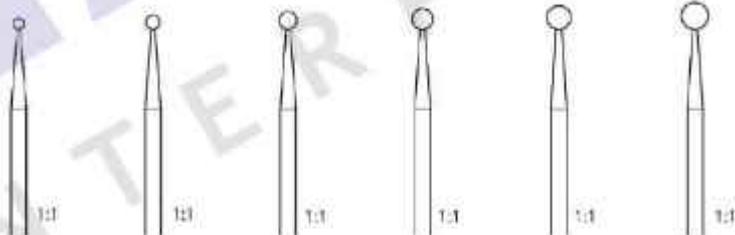
Fraises de «Rosen», 70 mm de long, Ø de tige 2.35 mm, inoxydables

Brocas "Rosen", largo 70 mm, vástago-Ø 2.35 mm, inoxidables

Perforatori "Rosen", 70 mm lungo, asta Ø 2.35 mm, inossidabili



	3.1 mm Ø	3.5 mm Ø	4.0 mm Ø	4.5 mm Ø	5.0 mm Ø	6.0 mm Ø	7.0 mm Ø
70 mm - 2 3/4"	17-1213	17-1214	17-1215	17-1216	17-1217	17-1218	17-1219



„ROSEN“-BOHRER

	1.4 mm Ø	1.8 mm Ø	2.3 mm Ø	2.7 mm Ø	3.1 mm Ø	3.5 mm Ø
95 mm - 3 3/4"	17-1220	17-1221	17-1222	17-1223	17-1224	17-1225

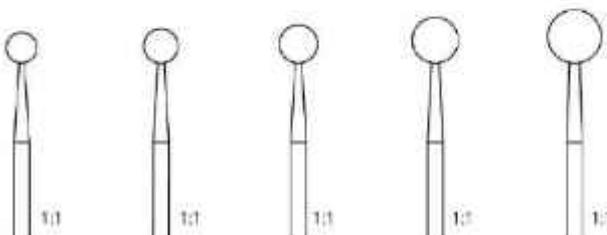
„Rosen“-Bohrer, 95 mm lang, Schaft-Ø 2.35 mm, rostfrei

"Rosen" burrs, 95 mm long, shank diameter 2.35 mm, stainless

Fraises de «Rosen», 95 mm de long, Ø de tige 2.35 mm, inoxydables

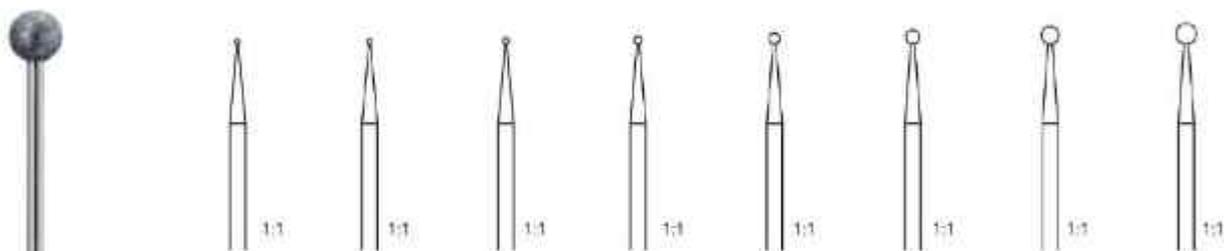
Brocas "Rosen", largo 95 mm, vástago-Ø 2.35 mm, inoxidables

Perforatori "Rosen", 95 mm lungo, asta Ø 2.35 mm, inossidabili



	4.0 mm Ø	4.5 mm Ø	5.0 mm Ø	6.0 mm Ø	7.0 mm Ø
95 mm - 3 3/4"	17-1226	17-1227	17-1228	17-1229	17-1230

BURRS



DIAMANTBOHRER

	0.6 mm Ø	0.7 mm Ø	0.8 mm Ø	1.0 mm Ø	1.5 mm Ø	1.8 mm Ø	2.3 mm Ø	2.7 mm Ø
70 mm - 2¼"	17-1231	17-1232	17-1233	17-1234	17-1235	17-1236	17-1237	17-1238

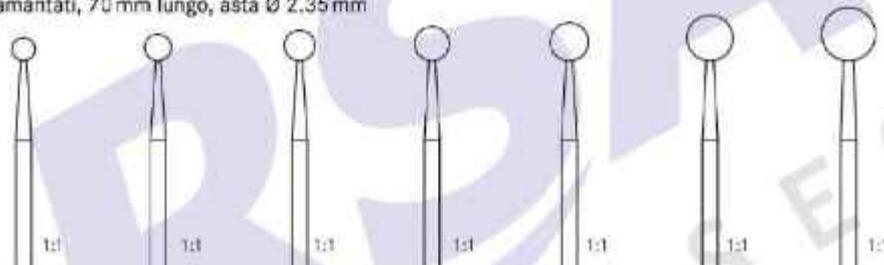
Diamantbohrer, 70 mm lang, Schaft-Ø 2.35 mm

Diamond dust polishing burrs, 70 mm long, shank diameter 2.35 mm

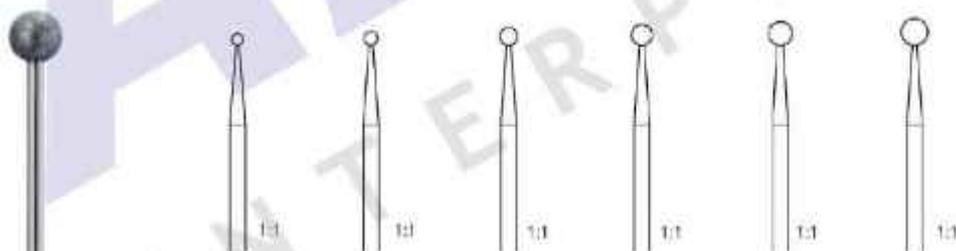
Fraises à polir, diamantées, 70 mm de long, Ø de tige 2.35 mm

Brocas diamantadas, largo 70 mm, vástago-Ø 2.35 mm

Perforatori diamantati, 70 mm lungo, asta Ø 2.35 mm



	3.0 mm Ø	3.5 mm Ø	4.0 mm Ø	4.5 mm Ø	5.0 mm Ø	6.0 mm Ø	7.0 mm Ø
70 mm - 2¾"	17-1239	17-1240	17-1241	17-1242	17-1243	17-1244	17-1245



DIAMANTBOHRER

	1.5 mm Ø	1.8 mm Ø	2.3 mm Ø	2.7 mm Ø	3.0 mm Ø	3.5 mm Ø
95 mm - 3¼"	17-1246	17-1247	17-1248	17-1249	17-1250	17-1251

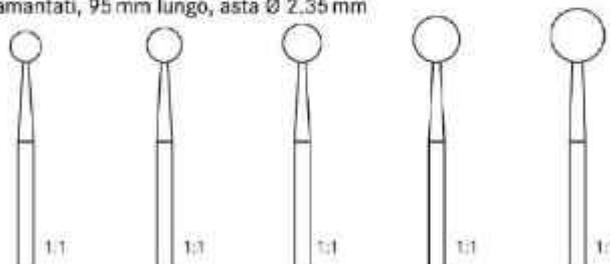
Diamantbohrer, 95 mm lang, Schaft-Ø 2.35 mm

Diamond dust polishing burrs, 95 mm long, shank diameter 2.35 mm

Fraises à polir, diamantées, 95 mm de long, Ø de tige 2.35 mm

Brocas diamantadas, largo 95 mm, vástago-Ø 2.35 mm

Perforatori diamantati, 95 mm lungo, asta Ø 2.35 mm



	4.0 mm Ø	4.5 mm Ø	5.0 mm Ø	6.0 mm Ø	7.0 mm Ø
95 mm - 3¾"	17-1252	17-1253	17-1254	17-1255	17-1256

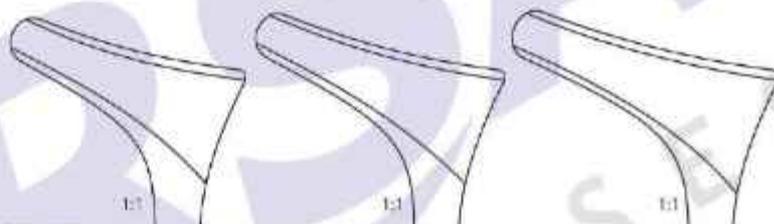
NASAL SPECULA



**THUDICHUM
(GOLDSMITH)**

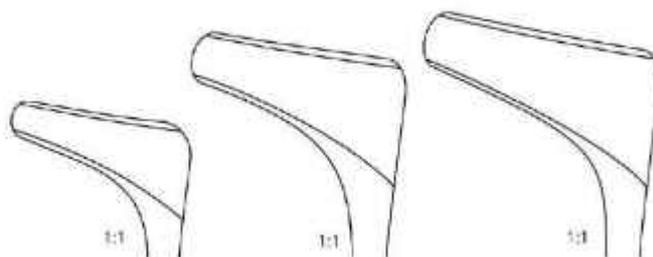


	Fig. 5	Fig. 6	Fig. 7
	19 mm x 9,5 mm	20 mm x 10,5 mm	21 mm x 11,5 mm
65 mm - 2 1/2"	17-1257	17-1258	17-1259



HARTMANN

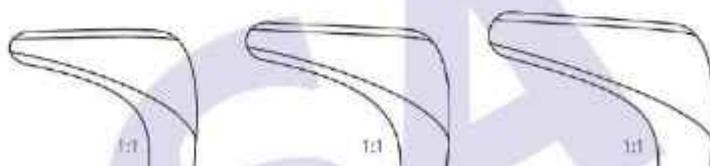
160 mm - 6 1/4"	17-1260	17-1261	17-1262
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HARTMANN-HALLE

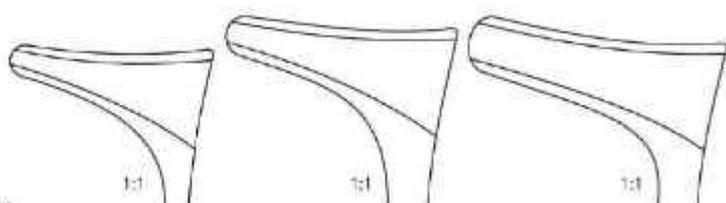
150 mm - 6"	17-1263	17-1264	17-1265
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NASAL SPECULA



BECKMANN

150 mm - 6°	17-1266	17-1267	17-1268
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MOD. WIEN

145 mm - 5 1/2°	17-1269	17-1270	17-1271
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NASAL POLYPUS & SEPTUM FORCEPS



WESTMACOTT
200 mm - 8" **17-1272**



LUBET-BARBON
200 mm - 8" **17-1273**



HARTMANN
160 mm - 6 1/4" **17-1274**
200 mm - 8" **17-1275**

Nasentamponzange
Nasal dressing forceps

Pince à pansement pour le nez
Pinza nasale para tamponiamento
Pinza per tamponamento nasale



NOYES
x = 110 mm - 3 1/2" **17-1276**
1x2

NASAL POLYPUS



HEYMANN

180 mm - 7"



1:1



1:1



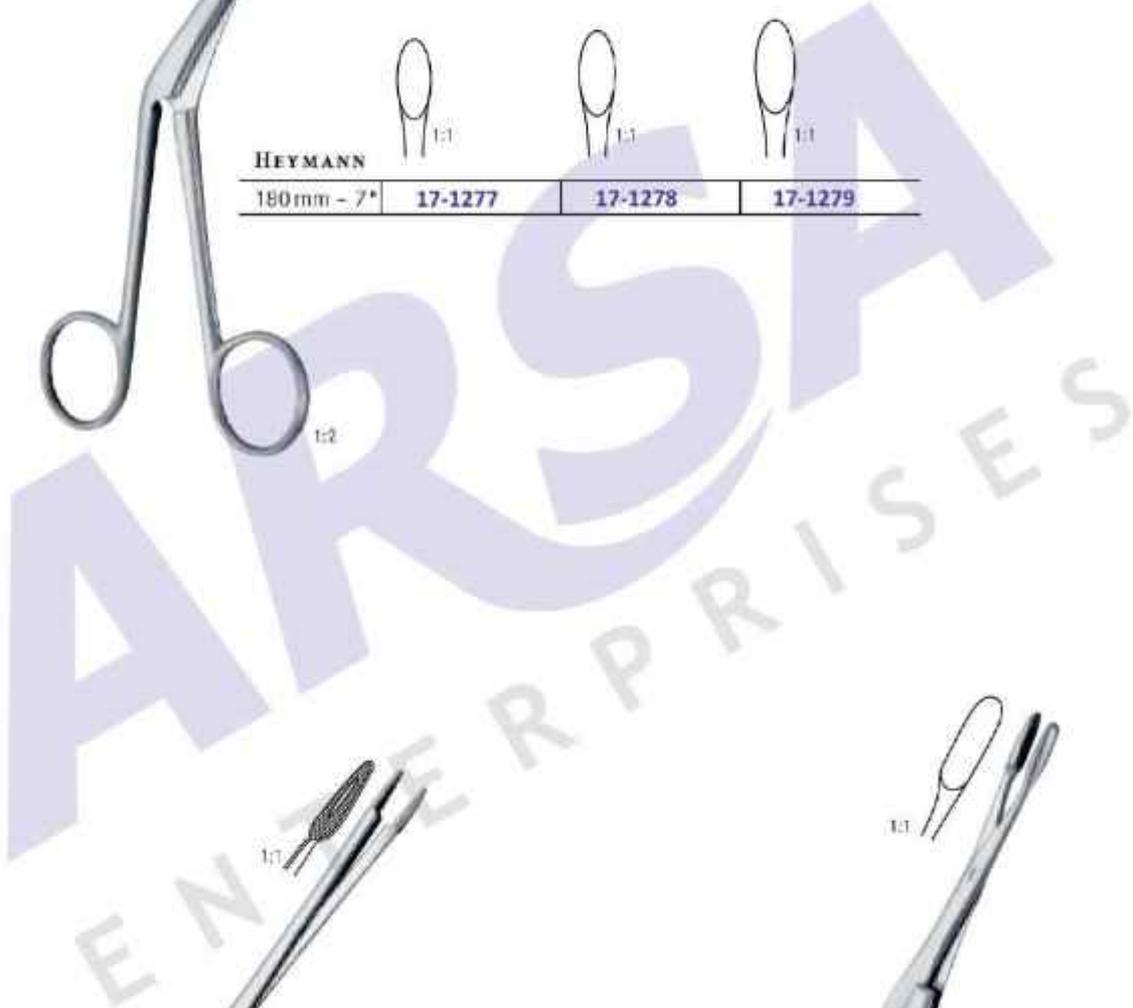
1:1

17-1277

17-1278

17-1279

1:2



LITTAUER

180 mm - 7"

17-1280

1:1

1:2



KNIGHT

180 mm - 7"

17-1281

1:1

1:2

NASAL CUTTING FORCEPS



BRUENINGS

190mm - 7 1/2"



1:1



1:1



1:1

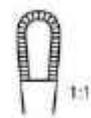


1:1

	17-1282	17-1283	17-1284	17-1285
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1:1



1:1



1:1

WEIL

WATSON-WILLIAMS

x=120mm - 4 3/4"	17-1286	17-1287	17-1288
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NASAL CUTTING FORCEPS

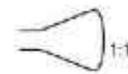


SCHMEDEN

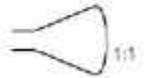
x = 120 mm - 4 3/8"



17-1289



17-1290



17-1291



TOMATI

x = 120 mm - 4 3/8"

17-1292



STRUYCKEN

x = 120 mm - 4 3/8"

0.9 mm

1.2 mm

17-1293

17-1294



HENKE

x = 120 mm - 4 3/8"

17-1295

Nasenschere | **Ciseaux nasales**
Nasal scissors | **Tijera nasal**
Forbice nasale



Fig. 1

17-1296

gezahnt, gerade
serrated, straight
droit, dentelés
dentada, recta
dentata, retta



Fig. 2

17-1297

gezahnt, rechts
serrated, right
dentelés, droites
dentada, derecha
dentata, destra



Fig. 3

17-1298

gezahnt, links
serrated, left
dentelés, gauche
dentada, izquierda
dentata, sinistra

NASAL CUTTING FORCEPS



	y = 4 mm
x = 100 mm - 4°	17-1299

45° vertikal, doppelt beweglich
 45° vertical, double action
 45° vertical, double action
 45° vertical, doble acción
 45° verticale, doppio movimento

	y = 4 mm
x = 100 mm - 4°	17-1301

45° vertikal, einfach beweglich, kurz
 45° vertical, single action, short short
 45° vertical, action simple, court
 45° vertical, acción simple, corto
 45° verticale, movimento singolo, corta



	y = 4 mm
x = 100 mm - 4°	17-1300

45° hor., doppelt beweglich, kurz
 45° hor., double action, short
 45° hor., double action, court
 45° hor., acción doble, corto
 45° oriz., movimento, corta



	y = 4 mm
x = 100 mm - 4°	17-1302

70° vertikal, doppelt beweglich
 70° vertical, double action
 70° vertical, double action
 70° vertical, doble acción
 70° verticale, doppio movimento

	y = 4 mm
x = 100 mm - 4°	17-1304

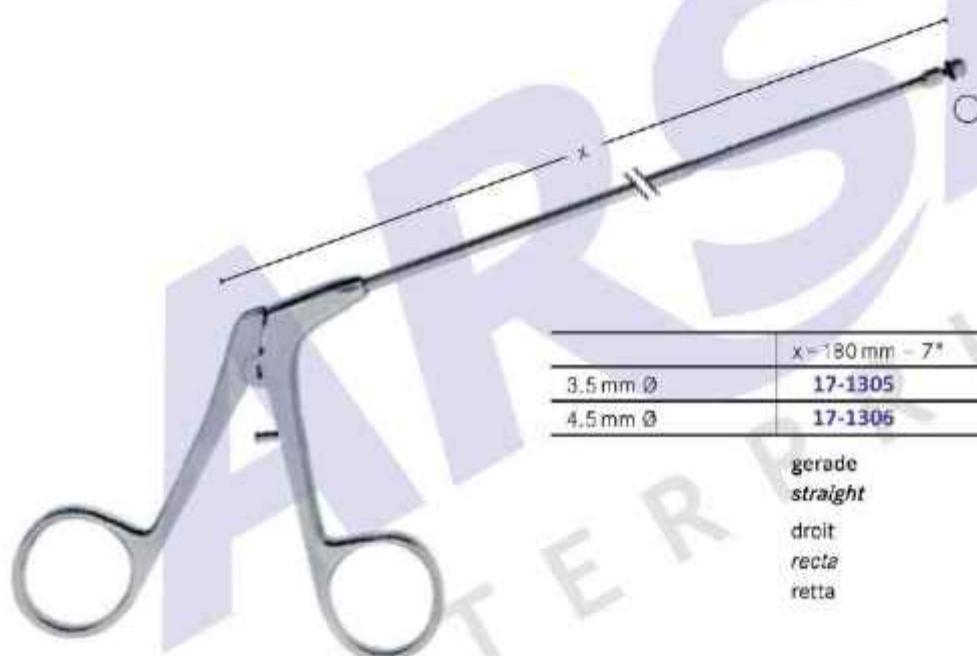
70° vertikal, einfach beweglich, kurz
 70° vertical, single action, short short
 70° vertical, action simple, court
 70° vertical, acción simple, corto
 70° verticale, movimento singolo, corta



	y = 4 mm
x = 100 mm - 4°	17-1303

70° hor., doppelt beweglich, kurz
 70° hor., double action, short
 70° hor., double action, court
 70° hor., acción doble, corto
 70° oriz., movimiento, corta

CIRCULAR FORCEPS



	x=180 mm - 7°	x=180 mm - 7°
3.5 mm Ø	17-1305	17-1307
4.5 mm Ø	17-1306	17-1308

gerade
straight

droit
recta
retta

aufgebogen
curved upwards

coudé en haut
curvata arriba
curvata in alto

ANTRUM PUNCH

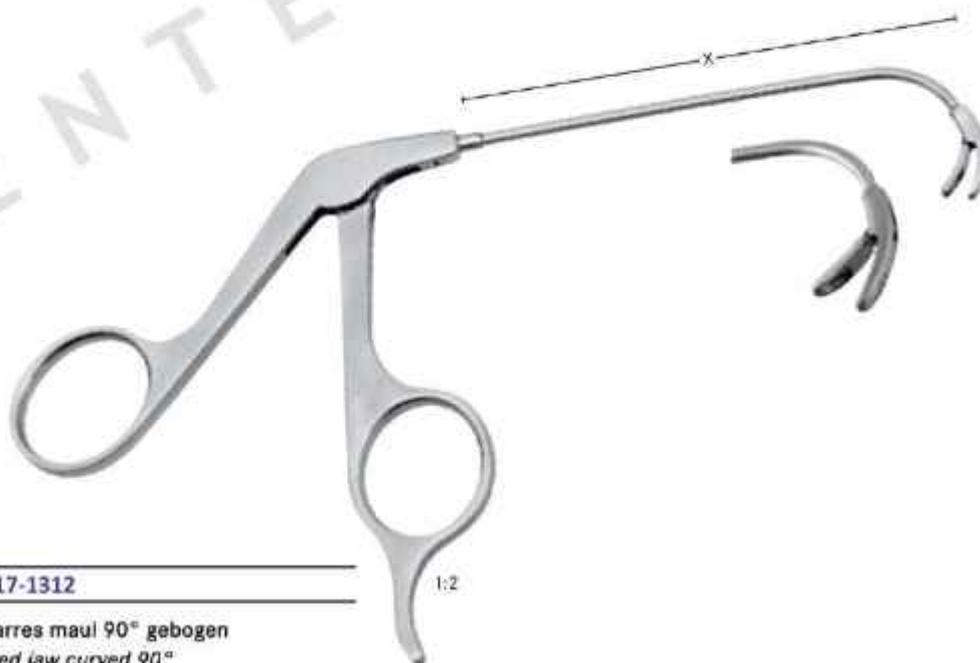


x = 100 mm	Fig. 1	Fig. 2	Fig. 3
1.5 mm x 4.5 mm	17-1309	17-1310	17-1311

rückwärts nach oben schneidend
backward, up-cutting
retrograde coupe en haut
retrograda corte arriba
retrograde tagliente in alto

rückwärts nach rechts schneidend
backward, cut to the right
retrograde coupe à droite
retrograda corte a la derecha
retrograda tagliente a destra

rückwärts nach links schneidend
backward, cut to the left
retrograde coupe à gauche
retrograda corte a la izquierda
retrograda tagliente a sinistra



HEUWIESER

x = 100 mm	17-1312
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starres Maul 90° gebogen
fixed jaw curved 90°
morso fix, courbe de 90°
boca fija, curva de 90°
morsi fissi curvi 90°

SPHENOID BONE PUNCHES



HAJEK-CLAUS
200 mm - 8°
17-1313



CITELLI

	 1:1	 1:1
170 mm - 6 3/4°	2.2 mm	3.0 mm
x - 60 mm	17-1314	17-1315



KERRISON

	 1:1	 1:1	 1:1
x = 90 mm - 3 1/2°	4 mm x 4 mm	5 mm x 5 mm	6 mm x 6 mm
200 mm - 8°	17-1316	17-1317	17-1318

NASAL POLYPUS SNARES



0,3 mm Ø x 100 mm	17-1319
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in Bündeln mit 12 Stück
in bundles of 12 pieces
 en paquets de 12 pièces
 en lîôs de 12 piezas
 pacchetto di 12 pezzi



KRAUSE

260 mm - 10 1/2"	17-1320
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KRAUSE-VOSS

260 mm - 10 1/4"	17-1321
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mit 2 Aufsätzen
with 2 inserts
 avec 2 guide-anses
 con 2 guias
 con 2 guide ansa



LANGE-WILDE

240 mm - 9 1/2"	17-1322
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CERVICAL TRACTION TONGS



CRUTCHFIELD
17-1323



	3.5 mm Ø	5.0 mm Ø
17-1324	x	x



CRUTCHFIELD
17-1325

Satz à 2 Stück für tk 24900-00 und tk 24901-00
Set of 2 pieces for tk 24900-00 and tk 24901-00

Jeu à 2 pièces pour tk 24900-00 et pour tk 24901-00
Juego con 2 piezas para tk 24900-00 y para tk 24901-00
Completo con 2 pezzi per tk 24900-00 e per tk 24901-00



17-1326

grosses Modell, für Extension der Halswirbel – kein Vorbohren erforderlich – Dorne verstellbar

large type, cervical traction tongs – pins adjustable no drilling to be done

modèle large, distracteur cervicale – poinçons ajustables pas de perçage nécessaire

modelo grande, distractor cervical – espigas ajustables sin necesidad de trepanar

modello grande, distrattore cervicale, pin ajustabili, non necessita di perforare, regolabili

17-1327

Ersatzdorn für tk 24903-00
Spare pin for tk 24903-00

Goupille de recharge pour tk 24903-00
Pivote de cambio para tk 24903-00
Punta di ricambio tk 24903-00



17-1328

Gabelschlüssel, doppelendig zu tk 24903-00
Wrench, double-ended for tk 24903-00

Clé de fixation, pour tk 24903-00
Llave de tuercas, para tk 24903-00
Chiave per tk 24903-00

TONSIL KNIVES



FREER

210mm - 8 3/8"

17-1329

17-1330



200mm - 8"

17-1331

Sichelmesser
Sickle knife

Couteau à faucille
Cuchillo falciforme
Coltello a forma di falce



BRUENINGS

230mm - 9"

17-1332

1:2



ABRAHAM

220mm - 8 3/4"

17-1333

1:2



FISCHER

230mm - 9"

17-1334

1:2



1:1



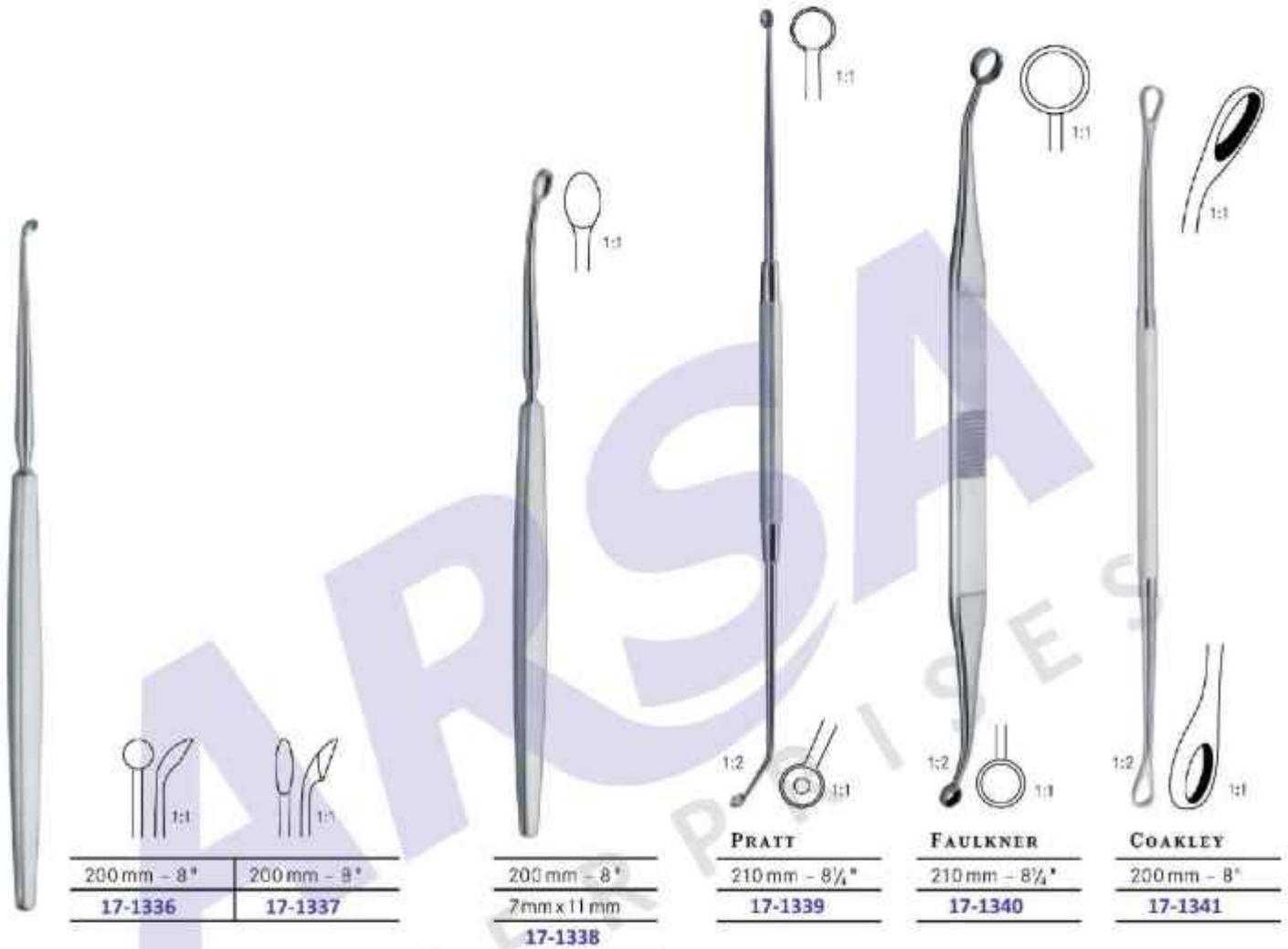
200mm - 8"

17-1335

scharf
sharp
tranchant
cortante
acuto

1:2

ANTRUM CURETTES



200 mm - 8"	200 mm - 8"
17-1336	17-1337

200 mm - 8"
7mm x 11 mm
17-1338

PRATT
210 mm - 8 1/4"
17-1339

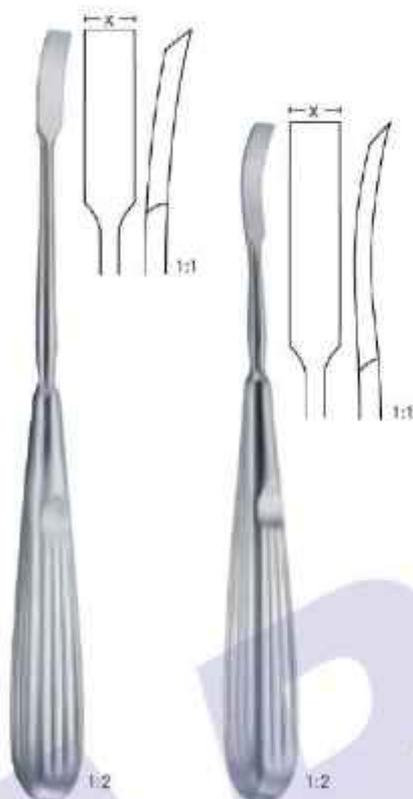
FAULKNER
210 mm - 8 1/4"
17-1340

COAKLEY
200 mm - 8"
17-1341

COAKLEY	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
170 mm - 6 3/4"	17-1343	17-1344	17-1345	17-1346	17-1347	17-1348
17-1342	x	x	x	x	x	x

Satz
Set
Jeu
Juego
Serie

SEPTUM ELEVATORS- RASPATORIES



LEMPERT	
	205 mm - 8"
x = 6 mm	17-1349
	180 mm - 7"
	17-1350



FREER	
	x = 4 mm
	160 mm - 6 1/4"
	17-1351



COTILE	
	x = 8 mm
	190 mm - 7 1/2"
	17-1352

scharf
sharp
tranchant
cortante
acuta



JOSEPH	
	x = 5 mm
	160 mm - 6 1/4"
	17-1353
Periost Elevatorien	
<i>Periostal elevators</i>	
Périostotome	
Periostotomo	
Periostotomo	



SEWALL	
	200 mm - 8"
	17-1354
Antrum Elevatorium	
<i>Antrum elevator</i>	
Elévateur pour le fosse nasale	
<i>Elevador para el antro</i>	
Elevatore per antro	



HALLE	
	160 mm - 6 1/4"
	17-1355

SEPTUM ELEVATORS- RASPATORIES



KILLIAN

x = 4 mm

180 mm - 7"

17-1356

scharf/stumpf
sharp/blunt
tranchant/mousse
cortante/romo
acuta/smussa

KILLIAN

x = 4.5 mm

230 mm - 9"

17-1357

scharf/stumpf
sharp/blunt
tranchant/mousse
cortante/romo
acuta/smussa

FREER

190 mm - 7 1/2"

17-1358

stumpf
blunt
mousse
romo
smussa

FREER

180 mm - 7"

17-1359

scharf/stumpf
sharp/blunt
tranchant/mousse
cortante/romo
acuta/smussa

PERIOSTEAL ELEVATORS



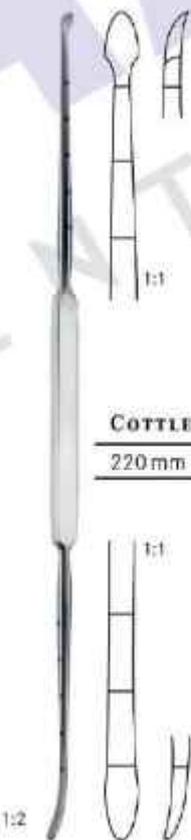
MASING

200 mm - 8°	17-1360
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BALLENGER-HAJEK

190 mm - 7 1/4°	17-1361
220 mm - 8 1/2°	17-1362



COTTLE

220 mm - 8 1/4°	17-1363
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COTTLE

210 mm - 8 1/4°	17-1364
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SEPTUM ELEVATORS



1:2

BOIES

190 mm - 7 1/2"	17-1365
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Nasenfraktur Elevatorium, stumpf
Nasal fracture elevator, blunt

Elévateur pour fractures nasales, mousse
Elevador para fracturas nasales, romas
Elevatore per fratture nasal, smussa



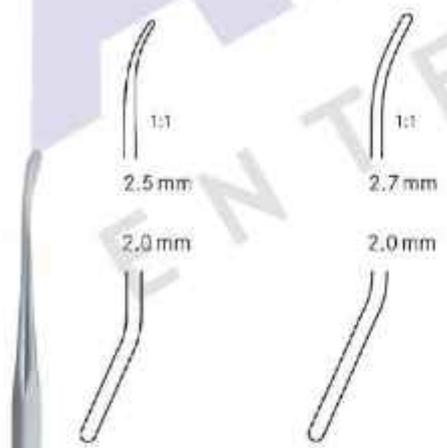
1:2

GOLDMAN

170 mm - 6 3/4"	17-1366
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Septumfraktur Elevatorium
Septum displacer

Elévateur pour fractures de la cloison nasale
Elevador para fracturas del tabique nasal
Elevatore per fratture del setto



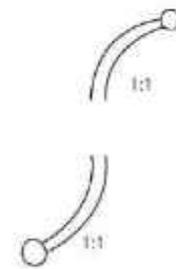
WATSON-CHEYNE

130 mm - 5"	190 mm - 7 1/2"
17-1367	17-1368

Raspatorium
Raspatory
Rugine
Raspatorio
Perioetotoma



1:2



17-1369
195 mm - 8 3/4"
Ø 2.3 / 2.6 mm

NASAL SAWS



JOSEPH
190 mm - 7½" 190 mm - 7½"
17-1370 **17-1371**

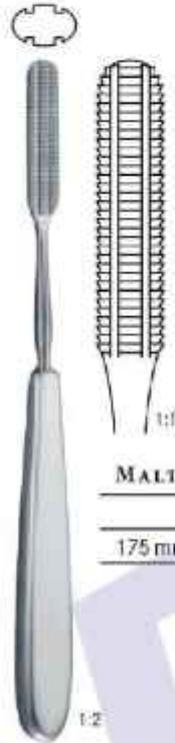


JOSEPH
190 mm - 7½"
17-1372



JOSEPH
170 mm - 6¾" 170 mm - 6¾"
17-1373 **17-1374**

NASAL RASPS



MALTZ

	40 mm x 9 mm
175 mm - 7"	17-1375



WIENER

	Ø 3.5 mm	Ø 3.5 mm
180 mm - 7"	17-1376	17-1377

Antrum Raspeln

Antrum rasps

Râpes pour le fosse nasale

Limas para el antrum

Raspe per antrum



GALLAHER

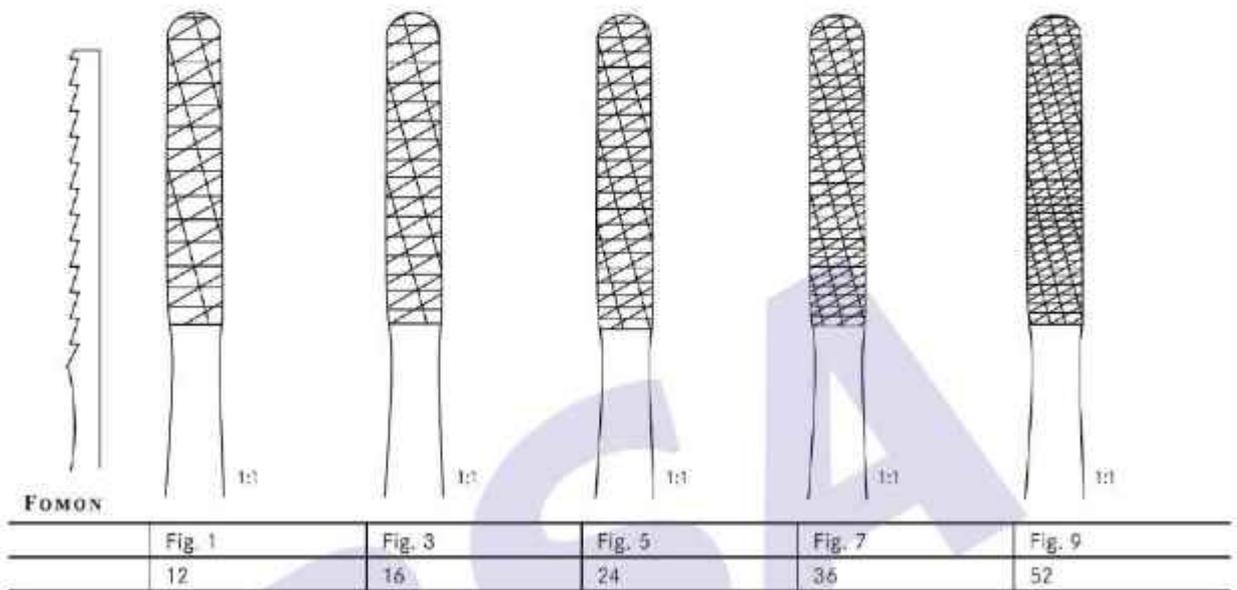
160 mm - 6 1/4"	160 mm - 6 1/4"	160 mm - 6 1/4"
17-1378	17-1379	17-1380



FOMON

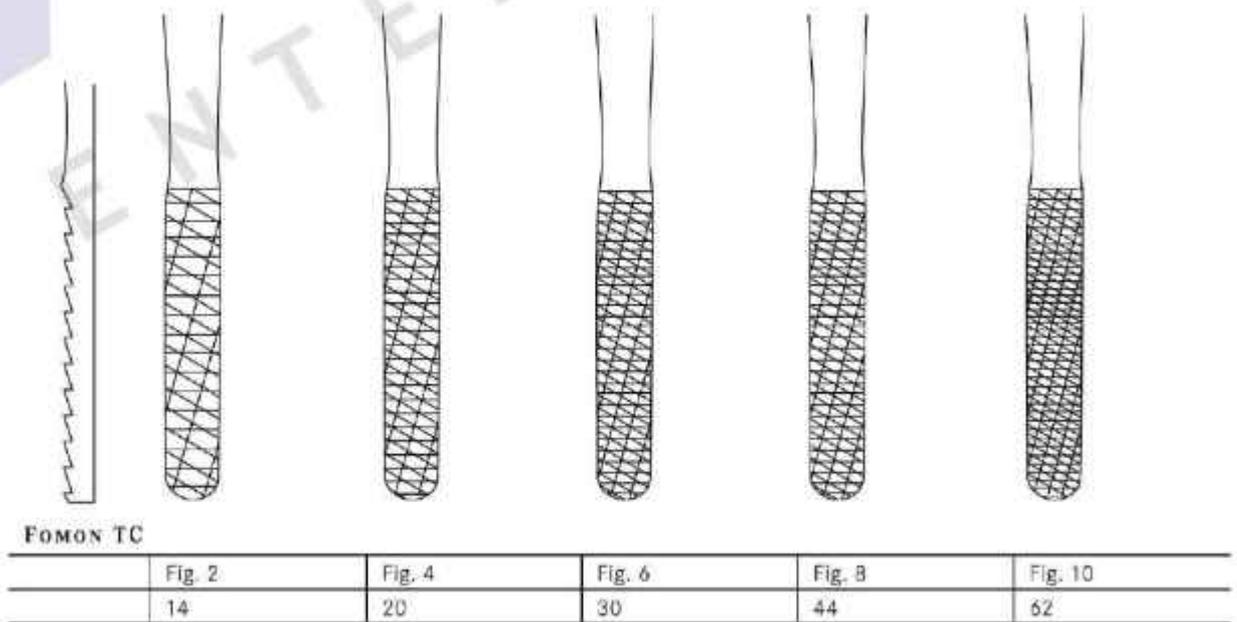
210 mm - 8 1/4"
17-1381

RASPS WITH TUNGSTEN CARBIDE



Zähne
Teeth
Dentes
Dientes
Denti

200mm - 8"	17-1382	17-1383	17-1384	17-1385	17-1386
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Zähne
Teeth
Dentes
Dientes
Denti



RASPS WITH TUNGSTEN CARBIDE

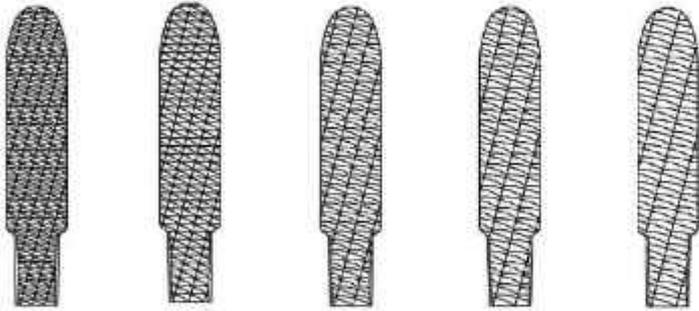


Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
17-1387	17-1388	17-1389	17-1390	17-1391

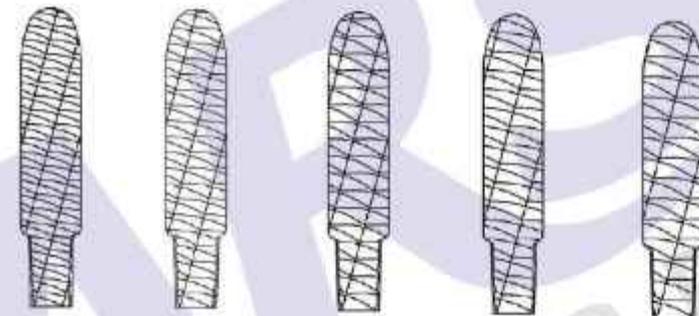


Fig. 6	Fig. 7	Fig. 8	Fig. 9	Fig. 10
17-1392	17-1393	17-1394	17-1395	17-1396



auswechselbar
interchangeable
interchangeables
intercambiabiles
intercambiabili



1:2



1:2

135 mm - 5"	17-1397	17-1398
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1:2

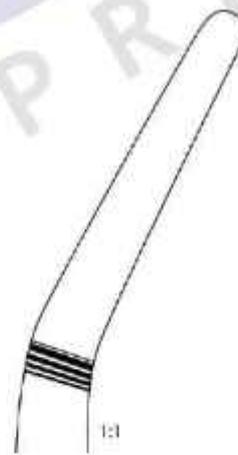
70 mm - 2 3/4"	17-1399
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SEPTUM FORCEPS



COTTLE-WALSHAM

230 mm - 9"	17-1400	17-1401	17-1402
	gerade <i>straight</i> droit <i>recta</i> rette	links <i>left</i> à gauche <i>izquierda</i> a sinistra	rechts <i>right</i> à droite <i>derecha</i> a destra



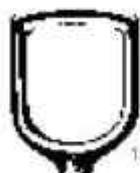
ASCH
230 mm - 9" **17-1403**

ADENOID CURETTES

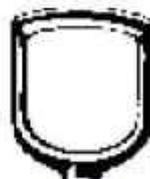


ST. CLAIR-THOMSON

210 mm - 8 1/4"*



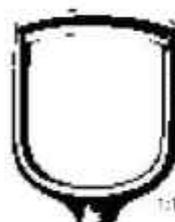
17-1404



17-1405



17-1406



17-1407



BARNHILL

220 mm - 8 3/4"*

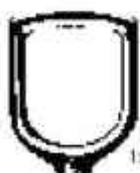


Fig. 1

17-1408



Fig. 2

17-1409



Fig. 3

17-1410

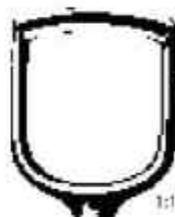


Fig. 4

17-1411

ADENOID CURETTES



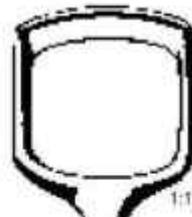
BECKMANN

220 mm - 8 7/8"	17-1412	17-1413	17-1414
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gerade
straight
droit
recto
rette

220 mm - 8 7/8"	17-1415	17-1416	17-1417
-----------------	----------------	----------------	----------------

gebogen
curved
courbe
curvo
curve



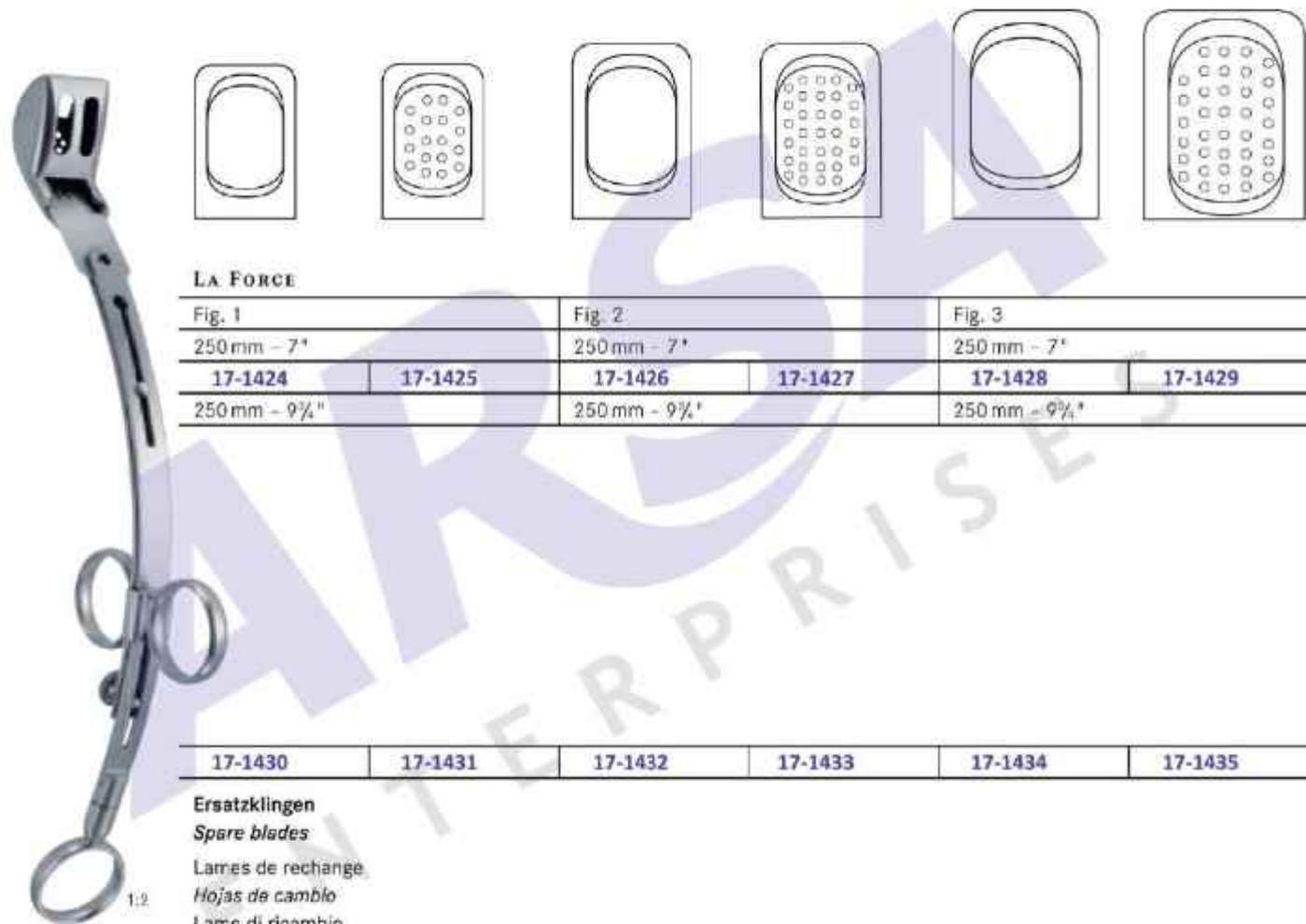
220 mm - 8 7/8"	17-1418	17-1419	17-1420
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gerade
straight
droit
recto
rette

220 mm - 8 7/8"	17-1421	17-14122	17-1423
-----------------	----------------	-----------------	----------------

gebogen
curved
courbe
curvo
curve

ADENOID CURETTES



LA FORCE

Fig. 1		Fig. 2		Fig. 3	
250 mm - 7"		250 mm - 7"		250 mm - 7"	
17-1424	17-1425	17-1426	17-1427	17-1428	17-1429
250 mm - 9 1/4"		250 mm - 9 1/4"		250 mm - 9 1/4"	

17-1430	17-1431	17-1432	17-1433	17-1434	17-1435
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Ersatzklingen

Spare blades

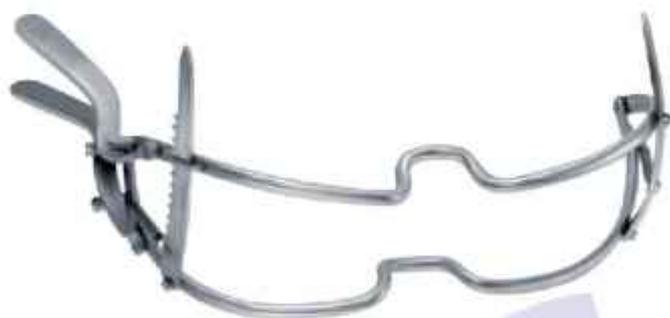
Lames de rechange

Hojas de cambio

Lame di ricambio

1,2

MOUTH GAGS



WHITEHEAD	
110 mm - 4 1/8"	17-1436
130 mm - 5"	17-1437
150 mm - 6"	17-1438



JENNINGS	
90 mm - 3 1/2"	17-1439
110 mm - 4 1/8"	17-1440
130 mm - 5"	17-1441
150 mm - 6"	17-1442



MAUNDER	
4 mm Ø	
100 mm - 4"	17-1443

Holz
Wood
Bois
Madera
Legno

1:2



HEISTER	
130 mm - 5"	17-1444

1:2

MOUTH GAGS



DINGMANN

145 mm - 5 7/8" **17-1445**

Komplett mit Rahmen, 3 Zungenspateln und 2 beweglichen Seitenvalven
Complete with frame, 3 tongue depressors and 2 adjustable lateral blades

Complet avec cadre, 3 abaisse-langues et 2 valves latérales réglables

Completo con bastidor, 3 bajalenguas y 2 valvas laterales ajustables

Completo con telaio, 3 abassalingua e 2 valve laterali mobili



55x25 mm

17-1446



60x27 mm

17-1447



70x30 mm

17-1448

MOUTH GAGS



NEGUS

	Fig. 1	Fig. 2	Fig. 3	
	20 mm x 70 mm	30 mm x 80 mm	33 mm x 95 mm	
	17-1449	17-1450	17-1451	17-1452

Griff
Handle
Manche
Mango
Manico

17-1453	x	x	x	x
----------------	---	---	---	---

komplett
complete
complet
completa
complete

MOUTH GAGS



DAVIS-BOYLE

	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	
	17-1454	17-1455	17-1456	17-1457	17-1458	17-1459
	21 mm x 26 mm	23 mm x 65 mm	24 mm x 80 mm	25 mm x 93 mm	26 mm x 108 mm	

Griff, beweglich
Handle, movable
Manche, mobile
Mango, movil
Manico, girevole

17-1460	x	x	x	x	x	x
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komplett, für Erwachsene
complete, for adults
complet, pour adultes
completa, para adultas
completa, per adulti

DAVIS-BOYLE

	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	
	17-1461	17-1462	17-1463	17-1464	17-1465	17-1466
	17 mm x 26 mm	19 mm x 46 mm	20 mm x 58 mm	22 mm x 71 mm	22 mm x 80 mm	

Griff, beweglich
Handle, movable
Manche, mobile
Mango, movil
Manico, girevole

17-1467	x	x	x	x	x	x
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komplett, für Kinder
complete, for children
complet, pour enfants
completa, niños
completa, per bambini

LARYNGEAL MIRRORS

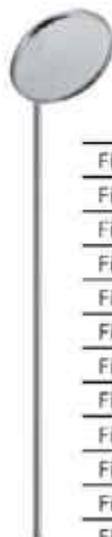


Fig. 00	8 mm Ø	17-1468
Fig. 0	10 mm Ø	17-1469
Fig. 1	12 mm Ø	17-1470
Fig. 2	14 mm Ø	17-1471
Fig. 3	16 mm Ø	17-1472
Fig. 4	18 mm Ø	17-1473
Fig. 5	20 mm Ø	17-1474
Fig. 6	22 mm Ø	17-1475
Fig. 7	24 mm Ø	17-1476
Fig. 8	26 mm Ø	17-1477
Fig. 9	28 mm Ø	17-1478
Fig. 10	30 mm Ø	17-1479



100 mm - 4°
17-1480

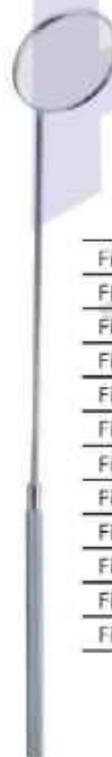


Fig. 00	8 mm Ø	17-1481
Fig. 0	10 mm Ø	17-1482
Fig. 1	12 mm Ø	17-1483
Fig. 2	14 mm Ø	17-1484
Fig. 3	16 mm Ø	17-1485
Fig. 4	18 mm Ø	17-1486
Fig. 5	20 mm Ø	17-1487
Fig. 6	22 mm Ø	17-1488
Fig. 7	24 mm Ø	17-1489
Fig. 8	26 mm Ø	17-1490
Fig. 9	28 mm Ø	17-1491
Fig. 10	30 mm Ø	17-1492



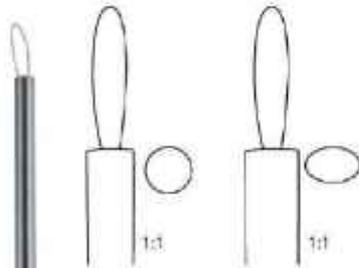
MICHEL

	250 mm - 9 1/4°
12 mm Ø	17-1493
14 mm Ø	17-1494
16 mm Ø	17-1495
18 mm Ø	17-1496

Spiegel beweglich
moveable mirror

miroir mobile
espejo movable
specchio mobile

TONSIL SNARES

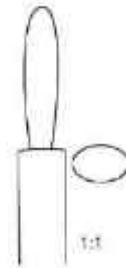


EVES

280 mm - 11°	280 mm - 11°
17-1497	17-1498

Für offene Schlingen
for open loops

pour anses ouvertes
para asas abiertas
per anse aperte

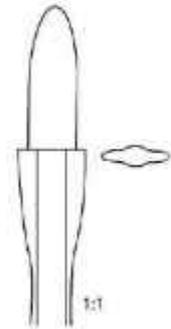


EVES

280 mm - 11°
17-1499

Für offene Schlingen
for open loops

pour anses ouvertes
para asas abiertas
per anse aperte



BRUENINGS

280 mm - 11°
17-1500

Für geschlossene Schlingen
for soldered loops

pour anses soudées
para asas cerradas
per anse saldate



0.4 mm Ø, 40 mm	17-1501
0.4 mm Ø, 50 mm	17-1502

Packung mit 100 Stück
package of 100 pieces
paquet de 100 pièces
paquete de 100 piezas
pacchetto da 100 pezzi



0.4 mm Ø x 10 cm	17-1503
------------------	----------------

Packung mit 12 Stück
package of 12 pieces
paquet de 12 pièces
paquete de 12 piezas
pacchetto da 12 pezzi

TONSIL SNARES



TYDING

17-1504

mit einem geraden Aufsatz
with one straight tip
avec un guide-anse droit
con una guida recta
con una guida ansa retta



0.4 mm Ø x 10 cm

17-1505

Packung mit 100 Stück
package of 100 pieces
paquet de 100 pièces
paquete de 100 piezas
pacchetto da 100 pezzi

TONSIL INSTRUMENTS

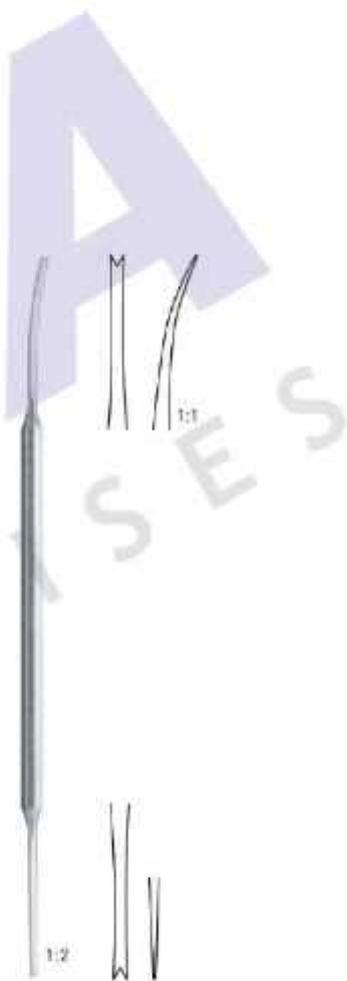


CARPENTER

250 mm - 9 7/8" **17-1506**

Enucleator
Enucleator

Enucleateur pour amygdales
Enucleador para amígdalas
Enucleatore



LUNIATSCHEK

180 mm - 7" **17-1507**

Tonsillen-Tamponstopfer
Tonsil tampon plugger

Porta coton
Porta algodones
Porta tamponi

TONSIL INSTRUMENTS



LEWIS	
195 mm - 7 3/4"	17-1509

Tonsillenschraube
Tonsil screw
 Tire amygdales
Tira amígdalas
 Fissa tonsille

1:2



1:1

MARSCHIK	
220 mm - 8 3/4"	17-1508

Tonsillen-Fasspinzette
Tonsil seizing forceps
 Pince pour saisir les amygdales
Pinza prensora de amígdalas
 Pinza da presa tonsille

1:2



1:1

BLOHMKE	
200 mm - 8"	17-1510

1:2

TONSIL INSTRUMENTS



COLVER

190 mm - 7 1/2"	190 mm - 7 1/2"
17-1511	17-1512

gerade
straight
droit
recta
retta

gebogen
curved
courbe
curva
curva



WHITE

180 mm - 7"	17-1513
230 mm - 9"	17-1514

6x5



MUSEUX

200 mm - 8"	17-1515
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Tonsillen-Fasszange
Tonsil holding forceps
Pince pour amygdales
Pinza para amigdalas
Pinza per tonsille

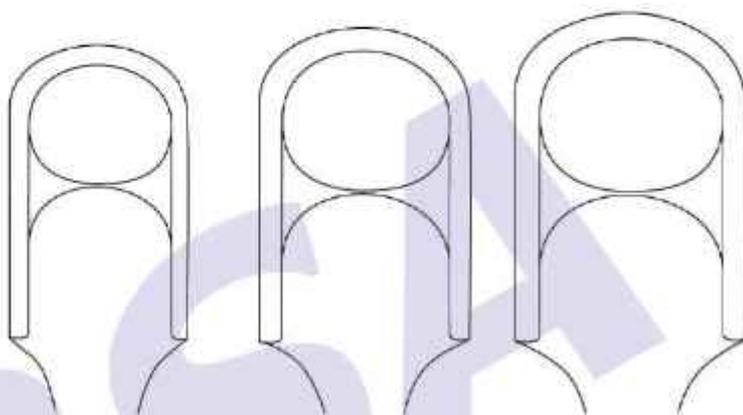


JACKSON

220 mm - 8 1/2"	17-1516
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Kohlkopfpinzette
Laryngeal forceps
Pince laryngienne
Pinza laringea
Pinza laringea

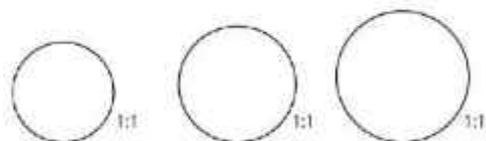
TONSILLECTOMES



SLUDER-BALLENGER

	Fig. 1	Fig. 2	Fig. 3	
	17-1517	17-1518	17-1519	17-1520
				Griff
				Handle
				Manche
				Mango
				Manico
17-1521	x	x	x	x

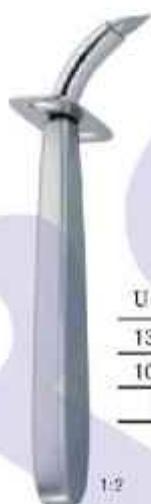
komplett
complete
complet
completa
completa



HARTMANN

	13 mm Ø	15 mm Ø	17 mm Ø
x = 120 mm	17-1522	17-1523	17-1524

TRACHEA TUBES



UCKERMANN

130 mm - 5°

10 mm Ø

17-1525

1:2

ARSA
ENTERPRISES

TRACHEOTOMY SET



17-1526

GOITRE GRASPING FORCEPS-GOITRE ENUCLEATOR



MASTIN

170 mm - 6 1/2"	17-1527
-----------------	----------------

1:2



LAHEY

150 mm - 6"	17-1528
200 mm - 8"	17-1529

1:2



KOCHER

150 cm - 6"	17-1530	17-1532
160 mm - 6 1/4"	17-1531	17-1533

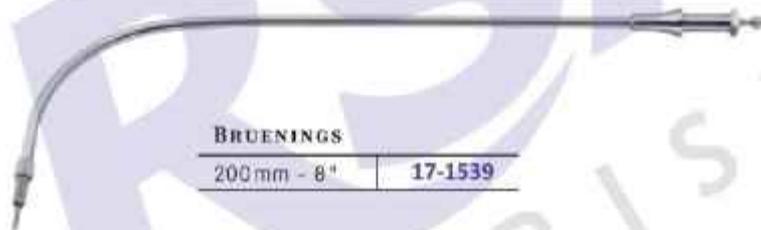
mit Loch
with hole
avec trou
con orificio
con foro

BRONCHO-OESOPHAGOSCOPY FORCEPS



BRUENINGS

200 mm - 8"	17-1534
300 mm - 12"	17-1535
400 mm - 16"	17-1536
500 mm - 20"	17-1537
600 mm - 23½"	17-1538



BRUENINGS

200 mm - 8"	17-1539
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HUBER

17-1540

BRONCHO-OESOPHAGOSCOPY FORCEPS

Auswechselbare Zangenaufsätze
Exchangeable tips

Embouts interchangeables
Bocas intercambiables
Punte intercambiabili



SEIFFERT
17-1541



BRUENINGS
17-1542 **17-1543** **17-1544**



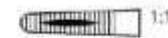
LANGE
17-1545



SCH EINMANN
17-1546



FRAENKEL
17-1547



FRAENKEL
17-1548



KRAUSE
17-1549



17-1550 **17-1551**



17-1552 **17-1553**



CORDES
17-1554 **17-1555**

MICRO INSTRUMENTS FOR LARYNGO-BRONCHO-OESOPHAGOSCOPY



2.0 mm

Schaft
Shaft
Gaine
Vaina
Asta

250 mm - 10"



	17-1556	17-1557	17-1558	17-1559	17-1560
Scheren Scissors Ciseaux Tijeras Forbice	gerade straight droit recta retta	gerade horizontal straight horizontal droit horizontal recta horizontal retta orizzontale	aufgebogen horizontal angled up horizontal coudé en haut coupe horizontal curvada arriba horizontal curvata in alto orizzontale	rechts gebogen curved right courbe à droite curvada a derecha curva a destra	links gebogen curved left courbe à gauche curvada a izquierda curva a sinistra



17-1561

aufgebogen
angled up
coudé en haut
curvada arriba
curvata in alto



	17-1562	17-1563	17-1564	17-1565	17-1566
Alligatorzangen Alligator forceps Pincas crocodile Pinzas cocodrilo Pinze cocodrillo	gerade, gerieft straight, serrated droit, strié recta, estriada retta, zigrinata	gerade horizontal straight horizontal droit horizontal recta horizontal retta orizzontale	aufgebogen horizontal angled up horizontal coudé en haut coupe horizontal curvada arriba horizontal curvata in alto orizzontale	rechts gebogen curved right courbe à droite curvada a derecha curva a destra	links gebogen curved left courbe à gauche curvada a izquierda curva a sinistra



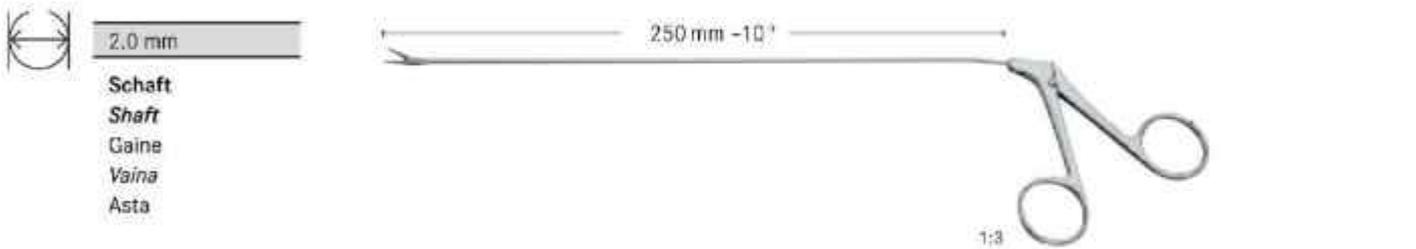
○ 2.5 mm	17-1567	17-1568	17-1569	17-1570	17-1571
Löffelzangen Cup shaped forc. Pincas curettes Pinzas cureta Pinze a cucchaio	gerade straight droit recta retta	aufgebogen angled up coudé en haut curvada arriba curvata in alto	aufgebogen horizontal angled up horizontal coudé en haut coupe horizontal curvada arriba horizontal curvata in alto orizzontale	rechts gebogen curved right courbe à droite curvada a derecha curva a destra	links gebogen curved left courbe à gauche curvada a izquierda curva a sinistra



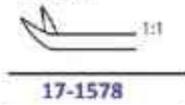
○ 3 x 5 mm 17-1572

Löffelzange oval
Cup shaped forc. oval
Pince curette ovale
Pinza cureta oval
Pinza a cucchaio ovale

MICRO INSTRUMENTS FOR LARYNGO-BRONCHO-OESOPHAGOSCOPY



	17-1573	17-1574	17-1575	17-1576	17-1577
Scheren <i>Scissors</i> Ciseaux Tijeras Forbice	gerade <i>straight</i> droit recta retta	gerade horizontal <i>straight horizontal</i> droit horizontal recta horizontal retta orizzontale	aufgebogen horizontal <i>angled up horizontal</i> coudé en haut coupe horizontal curvada arriba horizontal curvata in alto orizzontale	rechts gebogen <i>curved right</i> courbe à droite curvada a derecha curva a destra	links gebogen <i>curved left</i> courbe à gauche curvada a izquierda curva a sinistra



aufgebogen
angled up
coudé en haut
curvada arriba
curvata in alto

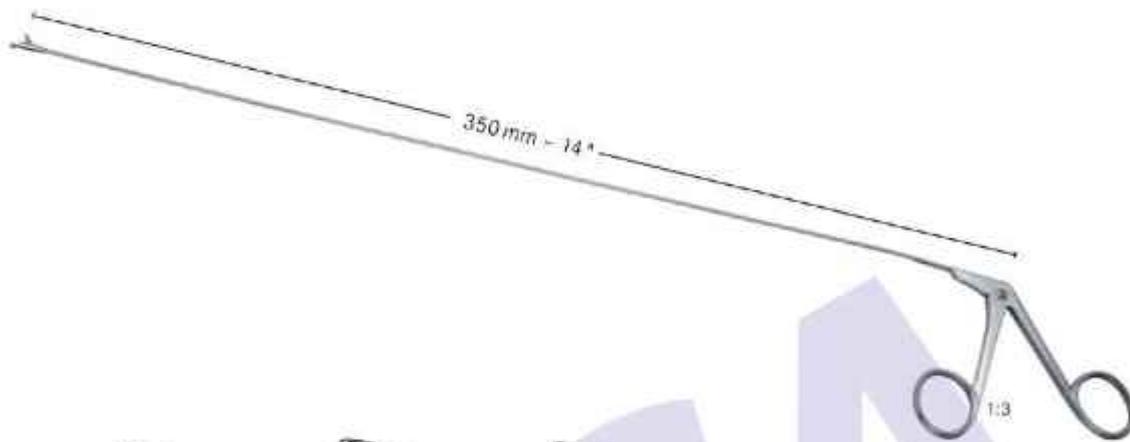
	17-1579	17-1580	17-1581	17-1582	17-1583
Alligatorzangen <i>Alligator forceps</i> Pincés crocodile Pinzas cocodrilo Pinze coccodrillo	gerade <i>straight</i> droit recta retta	gerade horizontal <i>straight horizontal</i> droit horizontal recta horizontal retta orizzontale	aufgebogen horizontal <i>angled up horizontal</i> coudé en haut coupe horizontal curvada arriba horizontal curvata in alto orizzontale	rechts gebogen <i>curved right</i> courbe à droite curvada a derecha curva a destra	links gebogen <i>curved left</i> courbe à gauche curvada a izquierda curva a sinistra

○ 2.5 mm	17-1584	17-1585	17-1586	17-1587	17-1588
Löffelzangen <i>Cup shaped forc.</i> Pincés cures Pinzas cureta Pinze a cucchaio	gerade <i>straight</i> droit recta retta	aufgebogen <i>angled up</i> coudé en haut curvada arriba curvata in alto	aufgebogen horizontal <i>angled up horizontal</i> coudé en haut coupe horizontal curvada arriba horizontal curvata in alto orizzontale	rechts gebogen <i>curved right</i> courbe à droite curvada a derecha curva a destra	links gebogen <i>curved left</i> courbe à gauche curvada a izquierda curva a sinistra



○ 3 x 5 mm	17-1589
Löffelzange <i>Cup shaped forc.</i> Pince curette Pinza cureta Pinza a cucchaio	oval <i>oval</i> ovale oval ovale

MICRO INSTRUMENTS FOR LARYNGO-BRONCHO-OESOPHAGOSCOPY



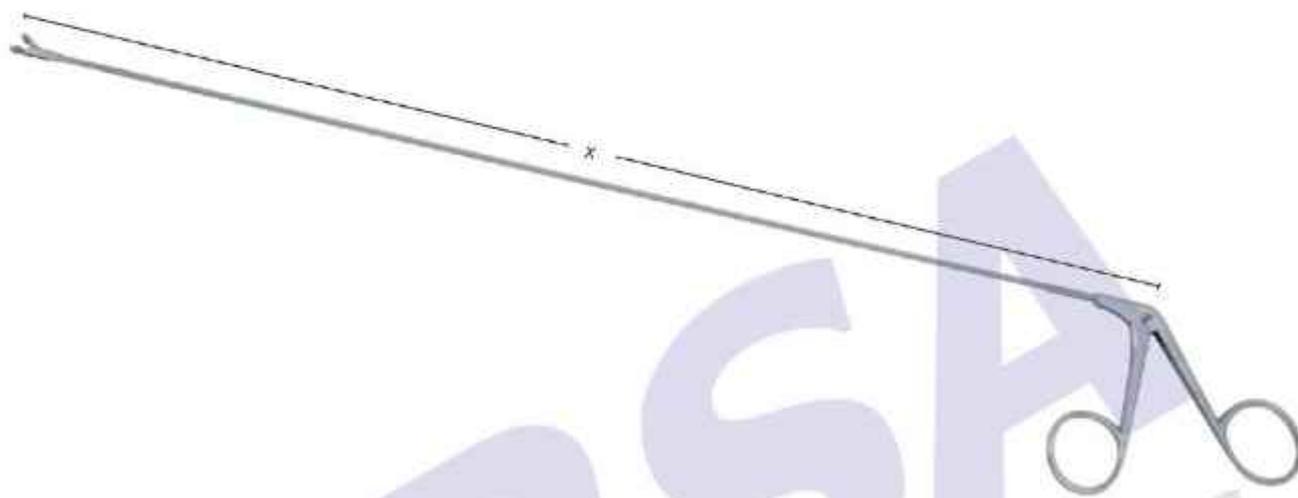
	17-1590	17-1591	17-1592
Fasszange Grasping forceps	gerade, gerieft straight, serrated	gerade, gefenestert straight, fenestrated	gerade straight
Pince à saisir Pinza agarre Pinza da presa	droit, striée recta, estriada retta, zigrinata	droit, fenêtrée recta, fenestrada retta, fenestrata	droits recta retta



○ 3 mm	17-1593	17-1594	17-1595	17-1596	17-1597
Löffelzangen Cup shaped forc.	gerade straight	aufgebogen angled up	aufgebogen horizontal angled up horizontal	rechts gebogen curved right	links gebogen curved left
Pinces curettes	droit	coudée en haut	coudée en haut coupe horizontalement	courbe à droite	courbe à droite
Pinzas cureta Pinze a cucchaio	recta retta	curvada arriba curvata in alto	curvada arriba horizontal curvata in alto orizzontale	curvada a derecha curva a destra	curvada a izquierda curva a sinistra



	2 mm x 5 mm 17-1598	3 mm x 5 mm 17-1599		17-1600
Löffelzangen Cup shaped forc.	gerade straight	gerade straight	Universalzange Universal forceps	gerade straight
Pinces curettes	droit	droit	Pince universelle Pinza universal Pinza universale	droit recta retta



x = 400 mm - 16"	17-1601
x = 500 mm - 20"	17-1602
x = 600 mm - 23 1/2"	17-1603

Tumorzange, gerade
Punch forceps, straight
 Pince pour tumeurs, droit
 Pinza para tumores, recta
 Pinza per tumori, retta



x = 400 mm - 16"	17-1604	17-1607	17-1610
x = 500 mm - 20"	17-1605	17-1608	17-1611
x = 600 mm - 23 1/2"	17-1606	17-1609	17-1612

Fasszangen
Grasping forceps

Pinces à saisir
 Pinzas agarre
 Pinze da presa

gerade, gerieft
straight, serrated

droit, striée
 recta, estriada
 retta, zigrinata

gerade, gefenestert
straight, fenestrated

droit, fenêtrée
 recta, fenestrada
 retta, finestra

gerade
straight

droit
 recta
 retta

LARYNGEAL POLYPUS FORCEPS



JURASZ

230 mm - 9"	17-1613	17-1614	17-1615	17-1616
rechts <i>right</i> à droite <i>s derecha</i> verso destra		links <i>left</i> à gauche <i>a izquierda</i> verso sinistra	nach unten <i>downwards</i> vers le bas <i>hacia abajo</i> verso basso	nach oben <i>upwards</i> vers le haut <i>hacia arriba</i> verso alto



FRAENKEL

x = 170 mm - 6 3/4"	17-1617
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beide Maulteile beweglich
both jaws articulated

les deux mâchoires mobiles
las dos mandíbulas móviles
ambidue i morsi mobili

18

ARSA
ENTERPRISES

PLASTIC SURGERY



PLASTIC SURGERY INSTRUMENTS



- Scissors
- Needle Holders
- Dissecting Forceps
- Retractors & Skin Hooks
- Self Retaining Retractors
- Dissectors
- Scalpel Handles & Marking Pens
- Skin Graft Knives
- Facelift Forceps
- Areola Markers
- Fibre Optic Breast Retractors & Leads

NASAL INSTRUMENTS



- Nasal Scissors
- Septum Knives
- Elevators
- Nasal Retractors
- Nasal Speculum
- Nasal Saws, Knives & Septum Forceps
- Mallets & Gouges
- Nasal Osteotomes & Chisels
- Nasal Rasps

ENDOSCOPIC BROWLIFT INSTRUMENTS



- Browlift Dissectors & Elevators
- Endofacial Forceps
- Telescopes & Sheaths

MAXILLO FACIAL INSTRUMENTS



- Osteotomes
- Disimpaction Forceps
- Smith Ramus Separator
- Fragment Forceps

MICRO INSTRUMENTS



- Vessel Dilators
- Micro Forceps
- Micro Scissors
- Micro Needle Holders
- Recommended Micro Instrument Sets
- Acland Micro Vessel Clamps
- Disposable Vessel Clamps
- Visibility Background Material
- Ultra Fine Micro Instruments
- Instrument Containers
- Tuppers Hand Retractors

FACE LIFT SCISSORS

Gorney Face Lift Scissors

- Tungsten carbide edges

Straight	Curved	Length
18-2010-17	18-2011-17	17cm/6¾"
18-2010-19	18-2011-19	19cm/7½"
18-2010-23	18-2011-23	23cm/9"

Flat tips



Gorney-Freeman Face Lift Scissors

- Tungsten carbide edges
- Open shanks

Straight	Curved	Length
18-2020-17	18-2021-17	17cm/6¾"
18-2020-19	18-2021-19	19cm/7½"
18-2020-23	18-2021-23	23cm/9"

Flat tips



Kaye Face Lift Scissors

- Tungsten carbide edges
- Curved

Code	Length
18-2031-17	17cm/6¾"
18-2031-19	19cm/7½"
18-2031-23	23cm/9"



Aufricht Scissors

- 14cm/5¼" length
- Tungsten carbide edges
- Curved

18-2041-14



Goldman-Fox Scissors

- 13cm/5" length
- Tungsten carbide edges
- Tapered blades to ne tips
- Curved

18-2051-13



DISSECTING SCISSORS

Ragnell (Kilner) Scissors

- Tungsten carbide edges
- Curved at tips

Code	Length
18-2061-13	13cm/5 ¼"
18-2061-15	15cm/6"
18-2061-18	18cm/7"



Greenberg PAR Scissors

- 11.5cm/4 ¼" length
- Tungsten carbide edges
- Curved tapered at tips

18-2071-11



Little Plastic Surgery Scissors

- 12cm/4 ¾" length
- Curved
- Hole in the blades for the suture to be threaded through

18-2081-12



Kahn Face Lift Scissors

- 14.5cm/5 ¾" length
- Super Cut edges
- Curved

18-2091-14



Fomon Saber Face Lift Scissors

- 13.5cm/5 ¼" length
- Super Cut edges
- Curved, round blunt tips

18-2101-13



SCISSORS

Iris Scissors

- 11.5cm/4½" length
- Straight
- Micro serrated cutting edge

18-7612-11



Iris Scissors

- 11.5cm/4½" length
- Curved
- Micro serrated cutting edge

18-7613-11



Strabismus Scissors

- 11.5cm/4½" length
- Straight
- Micro serrated cutting edge

18-7622-11



Strabismus Scissors

- 11.5cm/4½" length
- Curved
- Micro serrated cutting edge

18-7623-11



Waldram Scissors (with larger bows)

- 12.5cm/5" length
- Curved
- Micro serrated cutting edge

18-7663-12



TONOTOMY SCISSORS

Stevens Tenotomy Scissors

- 11.5cm/4½" length
- Curved
- Micro serrated cutting edge

18-7633-11



Stevens-Stille Pattern Tenotomy Scissors

- 12.5cm/5" length
- Curved
- Micro serrated cutting edge
- Larger oversized rings

18-7633-12



Jameson-Werber Scissors

- 13.5cm/5¼" length
- Curved
- Micro serrated cutting edge

18-7643-13



Jameson Scissors

- 15cm/6" length
- Curved
- Micro serrated cutting edge

18-7643-15



Jameson Scissors

- 15cm/6" length
- Curved
- Strong pattern
- Micro serrated cutting edge

18-7645-15



SCISSORS

Slim Baby Metzenbaum Easy-Cut Scissors

- 14cm/5½" length
- Curved
- Micro serrated cutting edge

18-7661-14



Slim Metzenbaum Easy-Cut Scissors

- 18cm/7" length
- Curved
- Micro serrated cutting edge

18-7661-18



Baby Metzenbaum Easy-Cut Scissors

- 14cm/5½" length
- Curved
- Micro serrated cutting edge

18-7663-14



McIndoe / Metzenbaum Easy-Cut Scissors

- 18cm/7" length
- Curved
- Micro serrated cutting edge

18-7663-18



Crayford-Reynolds Scissors

- 18cm/7" length
- Curved
- Micro serrated cutting edge

18-7643-18

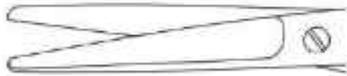


SCISSORS

Mayo Easy-Cut Scissors

- 14cm/5½" length
- Straight
- Micro serrated cutting edge

18-7652-14



Mayo Easy-Cut Scissors

- 14cm/5½" length
- Curved
- Micro serrated cutting edge

18-7653-14



Mayo Easy-Cut Scissors

- 17cm/6¾" length
- Straight
- Micro serrated cutting edge

18-7652-17



Mayo Easy-Cut Scissors

- 17cm/6¾" length
- Curved
- Micro serrated cutting edge

18-7653-17



NEEDLE HOLDERS

Micron Fine Needle Holder

- 12.5cm/5" length
- Diamond dusted jaws



18-1018-12



Derf Needle Holder

- 12cm/4 3/4" length
- Tungsten carbide jaws



18-703DE12

Smooth



18-705DE12



Halsey Needle Holder

- 13cm/5" length
- Tungsten carbide jaws



18-706.DE-13

Smooth



18-704.DE-13



Crile Wood Needle Holder

- Tungsten carbide jaws



18-712.DE-15

15cm/6"



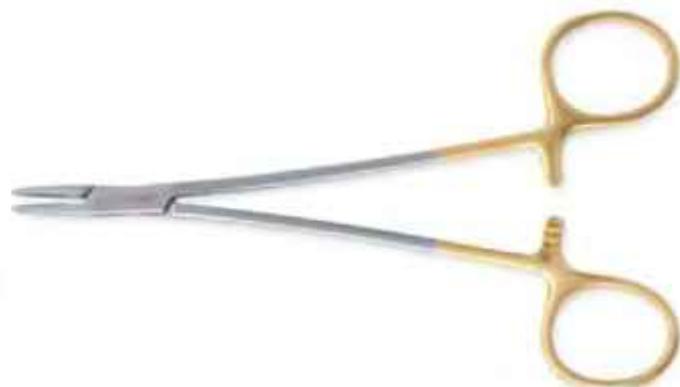
18-734.DE-18

18cm/7"



18-734.D E-20

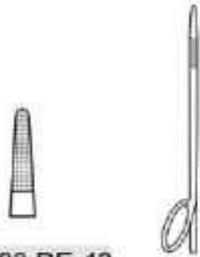
20cm/8"



NEEDLE HOLDERS

Nieverts Needle Holder (oset ring)

- 13cm/5¼" length
- Tungsten carbide jaws



18-783.DE-13



Foster Gillies Combined Needle Holder

- 13cm/5" length
- Tungsten carbide jaws



18-775.SE-13



Gillies Combined Needle Holder/Scissors

- 16cm/6¼" length
- Tungsten carbide jaws



18-775.SE-16



DISSECTING FORCEPS

Gillies Dissecting Forceps

- 15cm/6" length
- Toothed

18-5160-15



McIndoes Dissecting Forceps

- 15cm/6" length
- Non toothed

18-5170-15



Debakey-Diethrich Tissue Forceps

- 15cm/6" length
- 1.5mm tips

18-2015-15



Debakey Tissue Forceps

- 15cm/6" length
- 2mm tips

18-2120-15



Bipolar Forceps

- 12.5cm/5" length
- 1mm tips

18--600-011S



Bipolar Forceps

- 15cm/6" length
- 1.5mm tips

18- 600-039S



Bipolar Cable

- 3m cable length
- Block end/Banana plug fitting to machine end

18-350-030



DISSECTING FORCEPS

Adson Forceps

- 12cm/4¾" length
- Non toothed

18-5025-12



Adson Forceps

- 12cm/4¾" length
- Toothed

18-5120-12



Micro Adson Forceps

- 12cm/4¾" length
- Non toothed

18-5135-12



Micro Adson Forceps

- 12cm/4¾" length
- Toothed

18-5130-12



Adson Brown Forceps

- 12cm/4¾" length
- 7x7 teeth

SL5140-12



Adson-DeBakey Forceps

- 12cm/4¾" length
- 2mm tips
- Atraumatic tips

18-5180-12



RETRACTORS & SKIN HOOKS

Kilner Detachable Skin Hook

- 15cm/6" length

18-5075-01



Gillies Skin Hook

- 18cm/7" length

18-5065-01 Small size

18-5065-02 Large size



Klienert-Kutz Skin Hook

- 16cm/6¼" length

18-5055-01 Small size

18-5055-02 Large size



Joseph Double Skin Hook

- 16cm/6¼"

18-5402-10



Rollet/Blair Mini-Catspaw Retractor

- 13.5cm/5" length
- Semi-sharp prongs

18-5252-13



Catspaw Retractors

- 16cm/6¼" length
- Semi-sharp prongs

18-5252-03



RETRACTORS

Kilner-Miniature Pattern Catspaw Retractor

• 15cm/6" length

18-5286-01



Senn-Miller Double Ended Ret

• 16cm/6¼" length

18-5289-01 Sharp prongs

18-5289-02 Blunt prongs



Ragnell-Davies Retractor

• 14cm/5½" length

18-5287-14



Mini-Langenbeck Retractor

• 16cm/6¼" length

18-5242-10 10 x 6mm

18-5242-17 17 x 5mm



Desmarres Saddle Retractor

• 16cm/6¼" length

• 12mm width

18-5235-12



Langenbeck Retractor

• 21.5cm/8½" length



Code

Blade Size
Depth Width

18-5122-21	22mm x 6mm	Small
18-5145-21	45mm x 13mm	Medium
18-5166-21	65mm x 25mm	Large

SELF RETAINING RETRACTORS

Alms Retractor

- 7cm/2¾" length
- 4 x 4 teeth blunt
- 4mm depth prongs

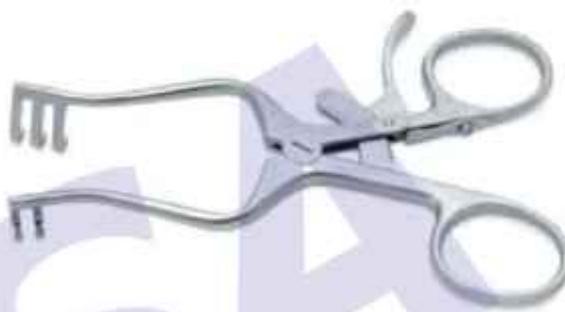
18-5200-18-70



Baby Weitlaner S/R Retractor

- 11.5cm/4½" length
- 2 x 3 blunt prongs

18-5701-10



Wests S/R Retractor

- 14cm/5½" length
- 3 x 4 sharp prongs

18-4003-14 □



Weitlaner S/R Retractor

- 14cm/5½" length
- 3 x 4 blunt prongs

18-4002-14

□ Illustrated

Mollison S/R Retractor - Child

- 13cm/5¼" length
- 2 x 2 sharp prongs 12mm depth
- Curved

18-4005-13



Mollison S/R Retractor - Adult

- 17cm/6¾" length
- 4 x 4 sharp prongs 14mm depth
- Curved

18-4005-17



DISSECTORS

Freers Elevator/Dissector

• 18.5cm/7¼" length



18-7602-18

Watson Cheyne Dissector



Size

18-7203-8	18cm/7"
18-9203-23	23cm/9"
18-9203-25	25.5cm/10"

MacDonald Elevator/Dissector



Size

18-7105-19	19cm/7½"
18-9206-23	23cm/9"

Howarth Elevator

• 21.5cm/8½" length



18-9207-21

Mitchels Trimmer

• 16cm/6¼" length



18-5008-16

SCALPLE HANDLES & MARKING PENS

Barrons Scalpel Blade Handle No.3

- 13cm/5¼" length

18-5001-13



Beaver Blade Holder

- 13cm/5¼" length

18-5004-13



Ecko Mapping Pen

- 14.5cm/5¼" length

18-5002-14



Sommerlad Marking Pen

- 15cm/6" length

18-5003-15



Castroviejo Measuring Caliper

- 7cm/2¾" length
- Measuring range 0 to 25mm

18-7334-10



Ink Pot

- Stainless steel

18-5006-99



Stainless Steel Measuring Ruler

Code	Length
18-5005-15	15cm/6"
18-5005-30	30cm/12"



SKIN GRAFT KNIVES

Watson Skin Graft Knife

• 30.5cm/12" length

Right handed
18-3100-30

Left handed
18-3101-30



The roller bar is smooth and does not oscillate or rotate in use. The graft thickness is controlled by slackening the locking nut and rotating the adjuster nut until the required thickness and then set by tightening the locking nut. The graft thickness is consistent as the roller bar can only be adjusted in parallel.

Braithwaite Skin Graft Knife

• 30.5cm/12" length

Right handed
18-3120-30

Left handed
18-3121-30



The grooved roller bar oscillates from side to side as well as rotating. The graft thickness is controlled by rotating the adjuster nuts at the end of knife, this will move the roller bar up or down.

Cobbett Skin Graft Knife

• 30.5cm/12" length

Right handed
18-3130-30

Left handed
18-3131-30



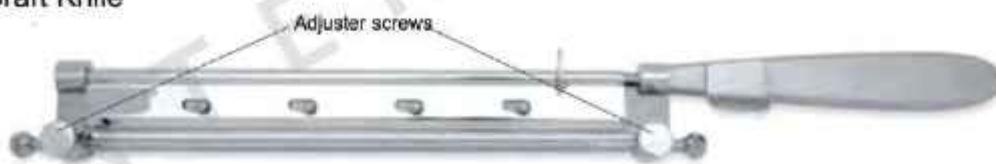
The grooved roller bar only oscillates from side to side. The adjustment for the thickness of the graft is the same as the Braithwaite knife.

Humby Skin Graft Knife

• 36.5cm/14 1/4" lt

Right handed
18-3110-36

Left handed
18-3111-36



The grooved roller bar rotates and oscillates from side to side. The graft thickness is controlled by adjusting the thumb screws on top of the support pillars.

Silver Skin Graft Knife

• 19cm/7 1/2" length

Right handed
18-3140-19

Left handed
18-3141-19



Knife	Blades code
Cobbett	9940
Watson	9940
Braithwaite	9940
Silver	9942



Tufnol Skin Graft Board
200mm x 100mm / 8 x 4"
Bevelled edge

SL3190-20

FACE LIFT FORCEPS

Assumpcao Face Lift Forceps

- 16cm/6¼" length
- For precise marking of dissected facial aps for excision

Without ratchet

18-3200-16

With ratchet

18-3201-16

illustrated with ratchet



Pitanguy Forceps

- Flap demarcator for accurate marking of facial aps for excision

Code

Length

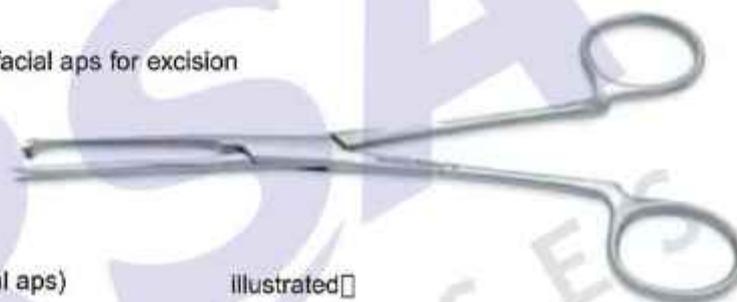
18-3210-15

15cm/6"

18-3210-26

26cm/10¼" (for abdominal aps)

illustrated



Marten Flap Forceps

- 14.5cm/5¾" length
- For accurate marking of skin aps

Without ratchet

18-3220-14

With ratchet

18-3221-14

illustrated



Martel Flap Grasping Forceps

- 14cm/5½" length
- Two pins in opposing holes on the jaws

18-3230-14



AREOLA MARKERS

Freeman Areola Marker

Code	Diameter
18-4110-36	36mm Ø
18-4110-38	38mm Ø
18-4110-40	40mm Ø
18-4110-42	42mm Ø
18-4110-45	45mm Ø



Freeman Double Ended Areola Marker

Code	Diameter
18-4120-38	38/42mm Ø
18-4120-42	42/45mm Ø



Grossman Areola Marker

- 4 sizes in 1
- Marking 40mm/44mm/48mm & 52mm Ø

18-4150-52



Galvao Nipple Marker

Code	Diameter
18-4130-40	40mm Ø standard
18-4130-50	50mm Ø large



McKissock Keyhole Breast Reduction Marker

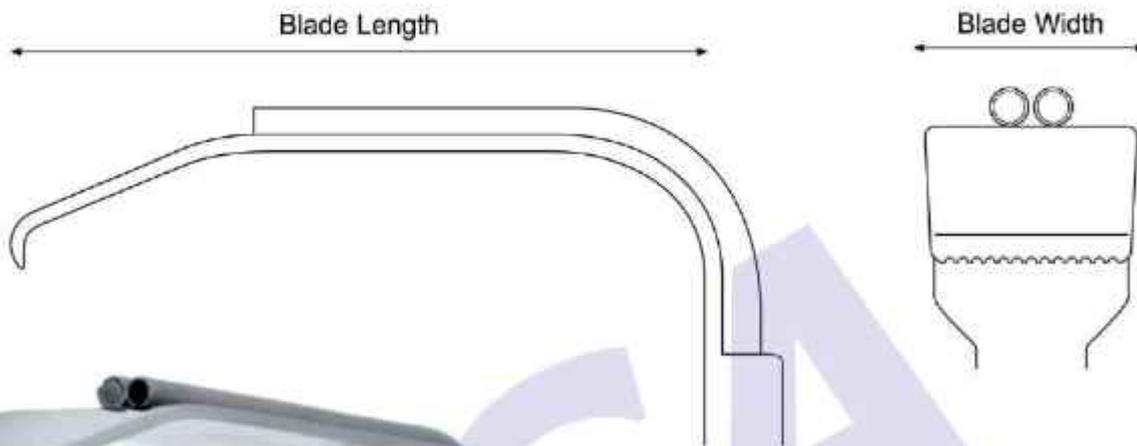
Code	Diameter
18-4140-38	38mm Ø
18-4140-42	42mm Ø
18-4140-45	45mm Ø



- Precisely marks amount of Tissue for removal
- Used together with Freeman Marker
- Arms are graduated in centimeters for marking tissue to be removed

BREAST RETRACTORS

Tebbetts Fibre Optic Breast Retractor
With fibre optic illumination and suction



- Fibre optic illumination with suction for smoke evacuation
- Angled Retractor tip with blunt teeth
- Polished mirror finish on blade to reflect light inside the pocket

Code	With Teeth Length	Width
18-260-109-240	90mm	24mm
18-260-109-300	90mm	30mm
18-260-136-150	150mm	36mm
18-260-136-190	190mm	36mm



Code	Blunt Length	Width
260-190-240	90mm	24mm
260-190-300	90mm	30mm
260-243-150	150mm	36mm
260-136-019	190mm	36mm

NASAL INSTRUMENTS

Giunta Nasal Scissors

- 13.5cm/5½" length
- Tungsten Carbide edges
- Double angled blades

18-2501-13



Daniels Nasal Scissors

- 10cm/4" length
- 40° angled blades

18-2511-10

For dissection of Nasal Tip Cartilage



Fomon Upper Lateral Scissors

- 13.5cm/5½" length
- Curved

18-2521-13



Fomon Dorsal Scissors

- 13cm/5" length
- Tungsten Carbide edges

18-2531-13



Cottle Dorsal Scissors

- 16cm/6¼" length
- Tungsten Carbide edges

18-2541-16



NASAL INSTRUMENTS

Knight Nasal Scissors

- 18cm/7" length
- Tungsten Carbide edge:

18-2550-18



Heymann Nasal Scissors

- 18cm/7" length

18-2555-18



Caplan Nasal Shears

- 20cm/8" length
- Double action angled

18-2560-20



NASAL INSTRUMENTS

Cottle Septum Knife

- 14cm/5½" length

18-5001-14



Joseph button end Knife

- 14cm/5½" length
- Straight

18-5002-14



Convex button end Knife

- 16cm/6¾" length
- Curved

18-5003-16



Freer Mucosa Knife

- 15cm/6" length

18-5004-15



Joseph Angled button end Knife

- 17.5cm/7" length

18-5005-17



NASAL INSTRUMENTS

Cottle Septum Elevator

- 20cm/8" length
- Double ended graduated

18-5010-20



Masing Septum Elevator

- 20cm/8" length

18-L5011-20



Carter Septum Elevator

- 21cm/8 1/4"
- Double ended with curette

18-501221



Killian Septum Elevator

- 19cm/7 1/2" length
- Double ended

18-5013-19



Mammoplast Breast Retractor

- Self retaining ratchet
- Adjustable to hold breast during surgery

18-50 0-000



NASAL INSTRUMENTS

Kilner Alae Retractor

- 85mm length

Code	Blunt Prongs	Code	Sharp Prongs
18-5085-10	10mm	SL5086-10	10mm
18-5085-13	13mm	SL5086-13	13mm
18-5085-15	15mm	SL5086-15	15mm



Cottle-Neivert Alae Retractor

- 2 prong blunt ball tips
- Knife guard
- 20cm/8" length

18-5021-20



Fomon Alae Retractor

- 16cm/6¼" length
- 2 prong blunt ball tips

18-5022-16



Cottle Hook

- 14cm/5½" length
- 2 prong blunt ball and sharp tips

Sharp prongs
18-5023-14



Ball on right
18-5024-14



Ball on left
18-5025-14



Cottle Retractor

- 15cm/6" length

18-5026-15



Aufricht Nasal Retractor

- 16cm/6¼" length
- 45mm blade

18-5027-16



Aufricht Nasal Retractor

- 16cm/6¼" length
- Fibre Optic illumination
- 45mm blade

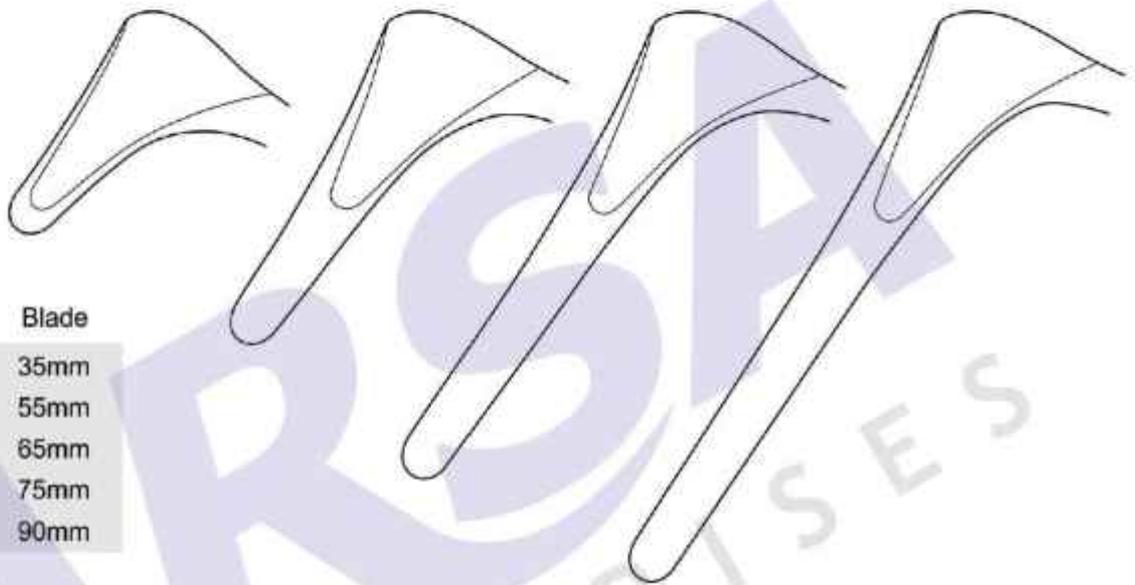
18-5028-16



NASAL INSTRUMENTS

Killian Speculum

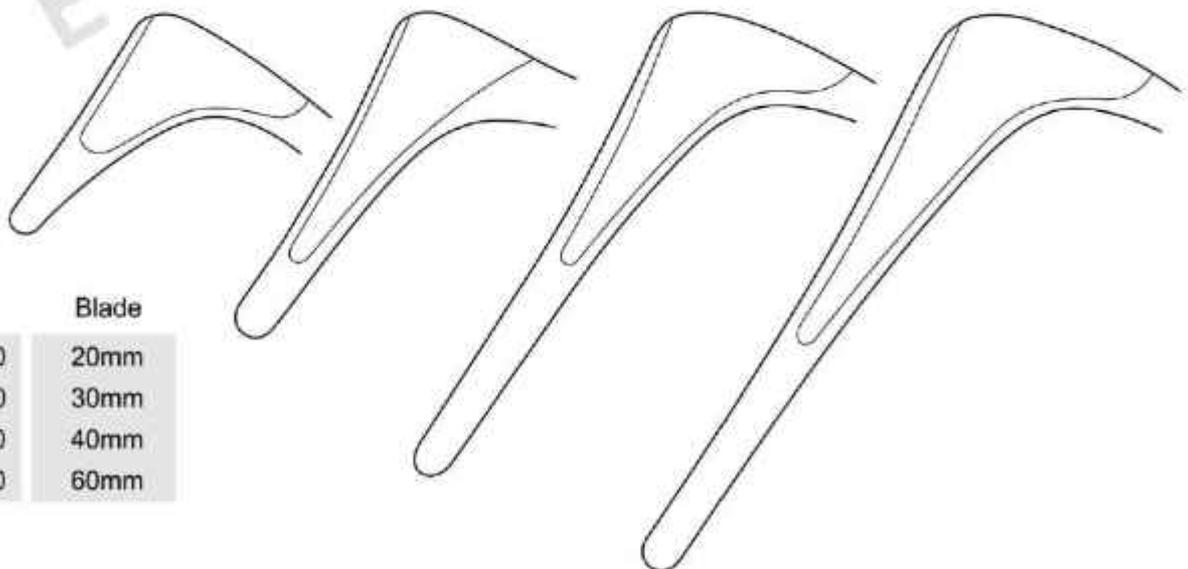
- 13cm/5" length
- Plain blade



Code	Blade
18-5035-35	35mm
18-5035-55	55mm
18-5035-65	65mm
18-5035-75	75mm
18-5035-90	90mm

Cottle Speculum

- 14cm/5½" length
- Slender blade



Code	Blade
18-5045-20	20mm
18-5045-30	30mm
18-5045-40	40mm
18-5045-60	60mm

NASAL INSTRUMENTS

Joseph Nasal Saw

- 19cm/7" length



Straight
18-5030-19



Cranked to right
18-5031-19



Cranked to left
18-5032-19

Illustrated

Joseph Nasal Saw

- Horizontal shaft
- 125mm x 85mm

Cranked right
18-5041-19

Cranked left
18-5042-19



Illustrated

Ballenger Swivel Knife

- 19.5cm/7 1/2" length
- Bayonet shaped

Code	Width
18-5050-19	3mm
18-5051-19	4mm
18-5052-19	5mm



Jansen Middleton Septum Forceps

- 19cm/7 1/2" length
- Double action

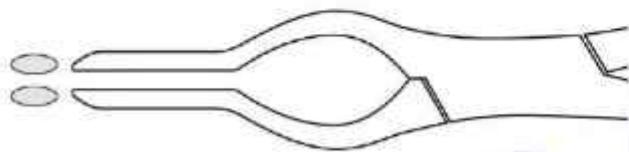
18-5060-19



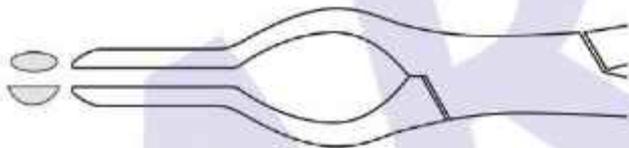
NASAL INSTRUMENTS

Walsham Septum Straightening Forceps

• 23cm/9" length



Universal
18-5080-23



Left
18-5081-23



Right
18-5082-23

Asch Septum Straightening Forceps

• 23cm/9" length

18-5090-23



NASAL INSTRUMENTS

Toe Mallet

- 19cm/7½" length
- Head size 22mm Ø
- Weight 165g/6oz

18-5808-21



Ultra Fine Mallet

- 17cm/6¾" length
- Head size 20mm Ø
- Weight 145g/5oz
- Tufnol handle

18-5801-17



Read Nasal Gouge

- 18cm/7" length

Code	Width
18-5100-04	4mm
18-5100-05	5mm
18-5100-06	6mm



Killian Septum Gouge

- Round cutting edge 6mm width
- 16cm/6¼" length
- Bayonet shaped

18-5110-06



- Notched cutting edge 6mm width

18-5111-06



Obwegeser Nasal Septum Osteotome

- 18cm/7¼" length
- Graduated

Code	Width
18-5112-04	4mm
18-5112-06	6mm
18-5112-08	8mm



NASAL INSTRUMENTS

Matthew Osteotome

- 18cm/7" length
- 11mm wide
- Bevelled at one corner

18-5120-11



Gubisch Osteotome

- 18.5cm/7 1/4" length
- 3mm wide
- Aluminium handle

18-5130-03



Rubin Osteotome

- 18cm/7" length

Code	Size
------	------

18-5140-08	8mm
18-5140-10	10mm
18-5140-12	12mm
18-5140-14	14mm
18-5140-16	16mm



French (Gillies) Osteotome

- 14cm/5 1/2" length

Code	Size
------	------

18-5150-02	2mm
18-5150-05	5mm
18-5150-07	7mm
18-5150-09	9mm
18-5150-11	11mm
18-5150-13	13mm



Cinelli Double Guarded Osteotome

- 16cm/6 1/4" length

Code	Size
------	------

18-5160-08	8mm
18-5160-10	10mm
18-5160-12	12mm
18-5160-14	14mm
18-5160-16	16mm



NASAL INSTRUMENTS

Jayes Osteotome

• 18cm/7" length

Code	Size
18-5170-02	2mm
18-5170-04	4mm
18-5170-05	5mm
18-5170-06	6mm
18-5170-08	8mm
18-5170-10	10mm
18-5170-12	12mm



Cottle Chisel

• 18.5cm/7½" length

Code	Size
18-5180-04	4mm
18-5180-06	6mm
18-5180-07	7mm
18-5180-08	8mm
18-5180-09	9mm
18-5180-12	12mm



McIndoe Chisel

• 15cm/6" length

Code	Size
18-5190-09	9mm
18-5190-11	11mm
18-5190-13	13mm
18-5190-15	15mm



Sheehan Osteotomes

• 15cm/6" length

18-5280-28 Set of 5 sizes
2mm to 10mm

Code	Size
18-5280-02	2mm
18-5280-04	4mm
18-5280-06	6mm
18-5280-08	8mm
18-5280-10	10mm



NASAL INSTRUMENTS

Braithwaite Chisel

- 14.5cm/5¾" length
- 5mm wide

Code

- 18-5210-14 Without guard
- 18-5211-14 Guard on left
- 18-5212-14 Guard on right



Foman Chisel with Guard

- 16.5cm/6½" length

Code Size

- 18-5220-04 4mm Guard on left
- 18-5220-05 5mm Guard on left
- 18-5220-06 6mm Guard on left
- 18-5220-07 7mm Guard on left



Silver Chisel with Guard (Frenchay)

- 18cm/7" length

Code

- 18-5230-18 Straight
- 18-5231-18 Curved left
- 18-5232-18 Curved right



Nievert Chisel with Guard

- 20cm/8" length

Code

- 18-5200-20 Straight
- 18-5201-20 Curved left
- 18-5202-20 Curved right



NASAL INSTRUMENTS

Fomon Double Ended Nasal Rasp

- 21cm/8¼" length
- Tungsten Carbide surface



8012 E
Course



8056 E
Medium



8091 E
Fine

MALTZ (Parkes) Nasal Rasp

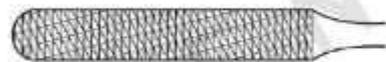
- 18cm/7" length
- Tungsten Carbide surface
- Backward cutting



8001 E
Course



8005 E
Medium



8010 E
Fine

Maltz Nasal Rasp

- 18.5cm/7½" length

18-5800-18



Maltz Nasal Rasp

- 18.5cm/7½" length
- Tungsten Carbide surface

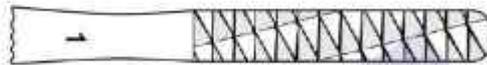
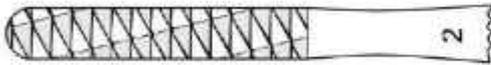
18-5801-18



NASAL INSTRUMENTS

Fomon Double Ended Nasal Rasp

- 21cm/8¼" length
- Tungsten Carbide surface



8012 E
Course



8056 E
Medium



8091 E
Fine

MALTZ (Parkes) Nasal Rasp

- 18cm/7" length
- Tungsten Carbide surface
- Backward cutting



8001 E
Course



8005 E
Medium



8010 E
Fine

Maltz Nasal Rasp

- 18.5cm/7½" length

18-5800-18



Maltz Nasal Rasp

- 18.5cm/7½" length
- Tungsten Carbide surface

18-5801-18



NASAL INSTRUMENTS

Peet Nasal Rasp

- 17.5cm/6¾" length
- Diamond surface



18-5810-17 Curved tip □

18-5811-17 Straight tip □

□illustrated

Aufricht (Peet) Nasal Rasp

- 22cm/8¾" length
- Diamond surface

18-5820-22



Glabella Nasal Rasp

- 21cm/8¼" length
- Tungsten Carbide surface

18-5830-21



Fomon Double Ended Nasal Rasp

- 21cm/8¼" length
- Diamond surface

18-5840-21



Miller Nasal Rasp

- 18cm/7" length
- Tungsten Carbide surface



18-5850-18

18-5855-18

BROW LIFT INSTRUMENTS

Zygomatic Arch Elevator

- 22.5cm/8¾"
- Straight 5mm wide

260-027-100



For use in the lower eyelid approach

Scalp Elevator

- 24cm/9½" length
- Straight 7mm wide

260-002-103



Scalp Elevator

- 25.5cm/10" length
- Curved 12mm wide

260-001-101



Scalp Elevator

- 24cm/9½" length
- Half curved with angled tip 12mm wide

260-001-102



Flap Dissector

- 22.5cm/8¾" length
- Curved 6mm wide

260-026-100



For dissection of the deep temporal fascia

Arcus Marginalis Dissector

- 24cm/9½" length
- S-Shaped 8mm wide

260-024-100



For dissection along the orbital rim

BROW LIFT INSTRUMENTS

For endoscopic forehead face lift surgery with ergonomic handles.

Frontotemporal Dissector

- 22.5cm/8¾" length
- Straight 10mm wide

260-020-100



For initial dissection through forehead incisions

Frontotemporal Dissector

- 24cm/9½" length
- Curved 7mm wide

260-020-101



For initial dissection

Periosteal Dissector

- 25cm/9¾" length
- Curved 9mm wide

260-021-100



For a posterior scalp dissection

Periosteal Dissector/Elevator

- 24cm/9½" length
- S-Shaped 9mm wide

260-025-100



For elevation of the periosteum

Frontoglabellar Dissector

- 26cm/10½" length
- S-Shaped 7mm wide

260-023-100



Used in the dissection of the naso-glabellar area of the forehead

Temporal Line Dissector

- 23.5cm/9¼" length
- Straight 10mm wide

260-022-100



Separates the temporal fascia

BROW LIFT INSTRUMENTS

Zygomatic Arch Elevator

- 22.5cm/8¾"
- Straight 5mm wide

260-027-100



For use in the lower eyelid approach

Scalp Elevator

- 24cm/9½" length
- Straight 7mm wide

260-002-103



Scalp Elevator

- 25.5cm/10" length
- Curved 12mm wide

260-001-101



Scalp Elevator

- 24cm/9½" length
- Half curved with angled tip 12mm wide

260-001-102



Flap Dissector

- 22.5cm/8¾" length
- Curved 6mm wide

260-026-100



For dissection of the deep temporal fascia

Arcus Marginalis Dissector

- 24cm/9½" length
- S-Shaped 8mm wide

260-024-100



For dissection along the orbital rim

BROW LIFT INSTRUMENTS

Endoforehead Elevator

- 24cm/9½" length
- Half curved 7mm wide

260-002-101



Transoral Dissector

- 23.5cm/9¼" length
- Curved tip 7mm wide

260-007-101



Orbital Rim Dissector

- 24cm/9½" length
- Half curved

260-004-101



Nerve Hook - Curved Right

- 24cm/9½" length

260-003-102



Nerve Hook - Curved Left

- 24cm/9½" length

260-003-103



Nerve Retractor - Curved Left

- 17cm/9¼" length

260-008-002



BROW LIFT INSTRUMENTS

Nerve Retractor - Curved Right

- 17cm/9 $\frac{3}{4}$ " length

260-008-003



Suction Elevator

- 26cm/10 $\frac{1}{4}$ " length
- Slightly curved
- Round edge tip 8mm wide

260-002-005



Suction Elevator

- 26cm/10 $\frac{1}{4}$ " length
- Half curved
- Round edge tip 8mm wide

260-002-015



Mini Forehead Elevator

- 18cm/7" shaft
- Slightly curved

260-202-103



Mini Forehead Elevator

- 18cm/7" shaft
- Half curved

260-202-101



Mini Forehead Dissector

- 18cm/7" shaft
- Full curved

260-202-105



MAXILLO FACIAL INSTRUMENTS

Epkers Osteotome

• 18cm/7" length

Straight

Code	Width
18-5504-18	4mm
18-5506-18	6mm
18-5508-18	8mm



• 17.5cm/6¾" length

Curved

Code	Width
18-5604-17	4mm
18-5606-17	6mm
18-5608-17	8mm



Tessier Multi-Purpose Osteotome

• 16cm/6¼" length

• Straight

Code	Width
18-5702-16	2.5mm
18-5703-16	3.5mm
18-5705-16	5mm
18-5707-16	7mm
18-5710-16	10mm
18-5715-16	15mm
18-5718-16	18mm



Tessier Bone Graft Osteotome

• 16cm/6¼" length

• Short blade with rounded edges

Straight

Code	Width
18-5810-16	10mm
18-5815-16	15mm



Curved

Code	Width
18-5910-16	10mm
18-5915-16	15mm



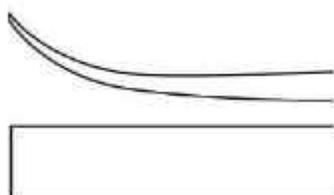
MAXILLO FACIAL INSTRUMENTS

Obwegeser Pterygoid Osteotome

• 23.5cm/9" length
Curved



Code	Size
18-5108-23	8mm
18-5110-23	10mm
18-5111-23	11mm



Obwegeser Splitting Osteotome

22cm/8¾" length
Thin blade



Code	Size
18-5208-22	8mm
18-5212-22	12mm
18-5216-22	16mm

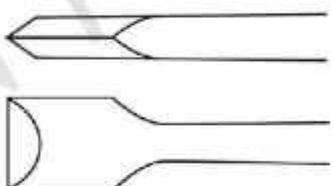


Obwegeser-Ramus Wedge Osteotome

22cm/8¾" length
Wedge profile



Code	Size
18-5308-22	8mm
18-5312-22	12mm
18-5316-22	16mm

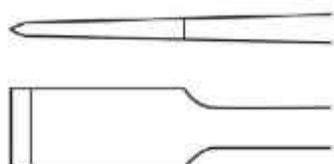


Ramus Split Osteotome Straight

• 22cm/8¾" length
Thicker tapered blade



Code	Size
18-5407-22	7mm
18-5410-22	10mm



MAXILLO FACIAL INSTRUMENTS

Disimpaction Forceps

Nasal blade

Oral blade

Oral blade

Nasal blade



Tessier-Rowe Left
23cm/9" length
• For children
18-6001-23



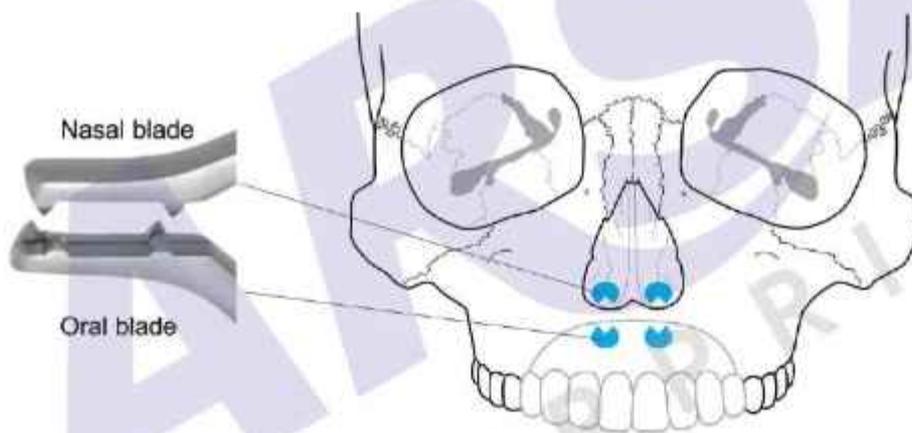
Tessier-Rowe Right
23cm/9" length
• For children
SL6002-23



Tessier-Rowe Left
23cm/9" length
• For adults
18-6003-23



Tessier-Rowe Right
23cm/9" length
• For adults
SL6004-23



Nasal blade

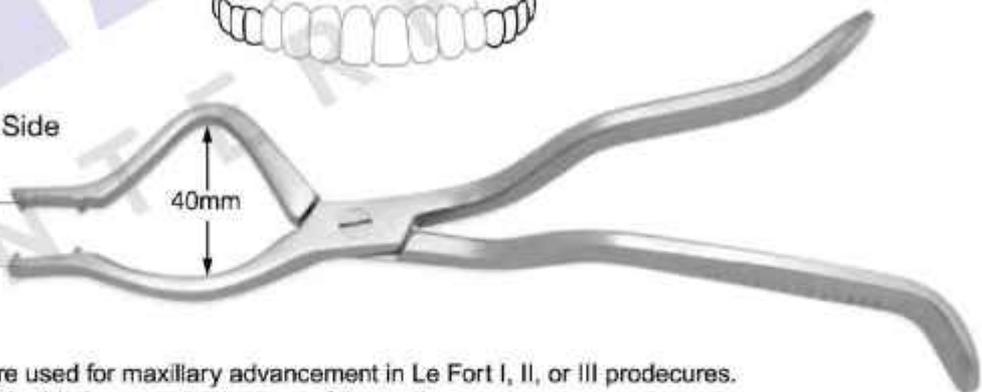
Oral blade

Tessier-Rowe Left Side

Oral blade

40mm

Nasal blade



These instruments are used for maxillary advancement in Le Fort I, II, or III procedures. A Large curvature of the blade prevents damage of the teeth. The oral blades are asymmetrical to adapt to the curvature of the palate which is often high and concave.

Tessier-Rowe Right Side



40mm

MAXILLO FACIAL INSTRUMENTS

Smith Ramus Separator

23cm/9" length
12mm width

18-6005-23



The superior ramus separator in conjunction with the sagittal split separator allows controlled separation of the superior ramus osteotomy cut. It's unique blade action exerts force over a broad surface area for maximum control. This instrument is also useful in "down facturing" the maxilla by placement at the zygomatic buttress osteotomy cut.

Obwegeser Fragment Adapting Forceps Right Side

19.5cm/7¾" length

18-6006-19



Obwegeser Fragment Adapting Forceps Left Side

19.5cm/7¾" length

18-6007-19



MICRO SURGERY INSTRUMENTS

Vessel Dilator Angled

- 11cm/4¼" length
- Tips 0.2mm Ø

18-5a.2



Vessel Dilator Angled

- 11cm/4¼" length
- Tips 0.3mm Ø

18-5a.3



Vessel Dilator

- 13.5cm/5½" length
- Tips 0.2mm Ø

18-3d.2



Vessel Dilator

- 13.5cm/5½" length
- Curved tips 0.2mm Ø

18-3d.2



Vessel Dilator Long

- 18cm/7" length
- Tips 0.3mm Ø

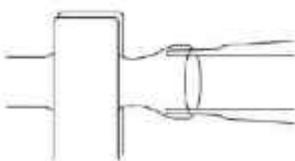
18-3-18d.3



Vessel Dilator Long

- 18cm/7" length
- Curved tips 0.2mm Ø

18-3-18d.2



Vessel Dilators have Mirrorpolished parallel tips for interluminal vessel dilation. The entire area is opened to the same diameter and the pressures distributed evenly. This ensures that unnecessary damage to the vessels is avoided.

MICRO SURGERY INSTRUMENTS

Round Bodied Vessel Dilator

- 15cm/6" length
- Straight tips 0.3mm Ø
- Balanced forceps



18-15 RM-8d.3



Round Bodied Vessel Dilator

- 15cm/6" length
- Curved tips 0.2mm Ø
- Balanced forceps



18-15 RM-8d.2



Round Bodied Vessel Dilator

- 18cm/7" length
- Straight tips 0.3mm Ø
- Balanced forceps



18-18 RM-8d.3



Round Bodied Vessel Dilator

- 18cm/7" length
- Curved tips 0.3mm Ø
- Balanced forceps



18-18 RM-8d.3



MICRO SURGERY INSTRUMENTS

Jewellers Forceps

- 11cm/4¼" length
- Tips 0.3mm

18-5



Jewellers Forceps Long

- 15cm/6" length
- Tips 0.3mm

18-L-5



Jewellers Forceps

- 12cm/4¾" length
- Tips 0.3mm

18-3



Jewellers Forceps

- 13.5cm/5½" length
- Tips 0.3mm

18-L-3



Pierse Forceps

- 12cm/4¾" length
- Tips 0.3mm

18-P-3



Pierse Forceps have a micro hole in the tips which securely grip tissue with minimal trauma

Micro Adson Fixation Forceps

- 12cm/4¾" length
- 1 x 2 micro teeth
- Tips 0.3mm

18-1



MICRO SURGERY INSTRUMENTS

Round Bodied Forceps

- 15cm/6" length
- Straight, with platform
- Tips 0.3mm Ø
- Balanced forceps

18-15 RM8



Round Bodied Forceps

- 15cm/6" length
- Curved, with platform
- Tips 0.3mm Ø
- Balanced forceps

18-15 RM8



Round Bodied Angled Forceps

- 15cm/6" length
- Angled tips 0.2mm Ø
- Balanced forceps

18-15 RM-8



Round Bodied Forceps

- 18cm/7" length
- Straight, with platform
- Tips 0.5mm Ø
- Balanced forceps

18-18 RM8



Round Bodied Forceps

- 18cm/7" length
- Curved, with platform
- Tips 0.5mm Ø
- Balanced forceps

18-18 Rm8



Round Bodied Angled Forceps

- 18cm/7" length
- Angled tips 0.2mm Ø
- Balanced forceps

18-18 Rm8



MICRO SURGERY INSTRUMENTS

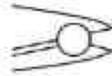
Straight Scissors Flat Handle

- 15cm/6" length
- Blades 19mm long

18-15



Adventitia Scissors with pointed tips



SAS-15T

Available with Micro Serrations for nerve cutting -Straight

Curved Scissors Flat Handle

- 15cm/6" length
- Blades 19mm long

18--15



Dissecting Scissors with rounded tips



SDC-15T

Available with Micro Serrations for nerve cutting - Curved

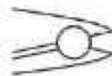
Straight Scissors Flat Handle

- 15cm/6" length
- Blades 15mm long

18-15S



Adventitia Scissors with pointed tips



Curved Scissors Flat Handle

- 15cm/6" length
- Blades 15mm long

18-15S



Dissecting Scissors with rounded tips



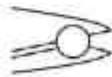
MICRO SURGERY INSTRUMENTS

Straight Scissors Round Handle

- 15cm/6" length
• Blades 12mm long **18-15 R8**
- 18cm/7" length
• Blades 14mm long **18-18 R8**



Adventitia scissors with pointed tips



Curved Scissors Round Handle

- 15cm/6" length
• Blades 12mm long **18-15 R8**
- 18cm/7" length
• Blades 14mm long **18-18 R8**



Dissecting scissors with rounded tips



Blondeel Scissors Round Handle

- Blades 15mm long
• Curved blades
- 15cm/6" length **18-15R-8-2R**
- 18cm/7" length **18-18R-8-2R**



These Scissors were designed by professor Phillip Blondeel for use in breast reconstruction utilising a perforator ap. A combination of ring handle design for preparation of ne structures, the round handle micro instrument handle allows the user to perform ne micro surgery.

MICRO SURGERY INSTRUMENTS

Barraquer Micro Needle Holder

- Round bodied
- 0.4mm jaws



Without Lock	Straight	Curved
13cm/5"	18-13-8	B-13-8
15cm/6"	18-15-8	B-15-8
18cm/7"	18-18-8	B-18-8

Castroviejo Micro Needle Holder

- Flat handled
- 0.4mm jaws



Without Lock	Curved
14cm/5½"	18-C-14
18cm/7"	18-C-18

Double Action Micro Needle Holder

- Round bodied
- 0.4mm jaws



Without Lock	Curved
15cm/6"	18-15 RM-8
18cm/7"	18-18 RM-8

MICRO INSTRUMENTS SETS

SUN offer both a Basic Micro Surgery Instrument Set, equipping the surgeon with the basic Instruments for most micro surgery procedures and a reduced set suitable for Nerve and Tendon Repair.

SUN Basic Micro Instrument Set

18-S-1

Set consisting of the following instruments:

Qty	Order Code	Description
1	E.4026/4	Micro Instrument Container
1	SAS-15R8	Micro Scissors R/B 15cm Straight
1	SDC-15R8	Micro Scissors R/B 15cm Curved
1	BS-15-8	Micro Needle Holder R/B 15cm Straight
1	B-15-8	Micro Needle Holder R/B 15cm Curved
1	FRS-15 RM8	Suture Tying Forceps R/B 15cm Straight
1	FRC-15 RM8	Suture Tying Forceps R/B 15cm Curved
2	JF-5	Jewellers Forceps No.5 11cm
1	D5a-3	Micro Vessel Dilator 11cm
1	CAF-4	Clamp Applying Forceps No Lock
1	CB-1	Clamp Box
1pr	00398V	Single Acland Clamps B-2V
1pr	00400V	Single Acland Clamps B-3V
1pr	00325V	Single Acland Clamps HD-S

Micro Instrument Set for Nerve Repair Surgery

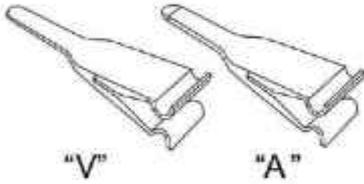
MNS-1

Set consisting of the following instruments:

Qty	Order Code	Description
1	E.4026/1	Micro Instrument Container
1	B-15-8	Micro Needle Holder R/B 15cm Curved
1	SAS-15T	Micro Scissors Flat Handled 15cm Straight Serrated Blade
2	JF-5	Jewellers Forceps No.5 11cm



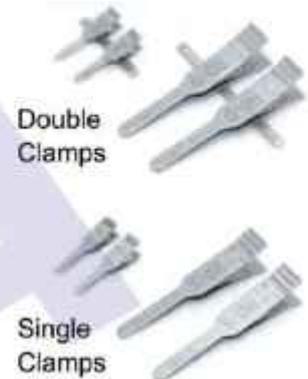
ACLAND MICRO VESSEL CLAMPS



"A" or "V" Pattern?

Throughout the series, the "V" pattern is the all-purpose clamp, commonly used on all veins, and almost all arteries. The "A" pattern, available in all sizes, is designed for exceptionally thick-walled vessels and slippery arteries. The slight incurve of the tips of the "A" pattern jaw provides extra security against slippage.

- Light and compact design
- Extremely durable
- A unique gripping surface
- Smooth sliding bar action on all approximator clamps
- Clamp prole with parallel sided jaws
- Matt or black nish



Ordering details

SINGLE CLAMPS		DOUBLE APPROXIMATING CLAMPS		DOUBLE CLAMPS WITH FRAME	
00396 V 00397 A	 CLAMP SIZE B-1 0.4 - 1.0mm	00414 V 00415 A	 CLAMP SIZE ABB - 11 0.4 - 1.0mm	00408 V 00409 A	 CLAMP SIZE ABB - 1 0.4 - 1.0mm
00398 V 00399 A	 B-2 0.5 - 1.5mm	00416 V 00417 A	 ABB - 22 0.6 - 1.5mm	00410 V 00411 A	 ABB - 2 0.6 - 1.5mm
00400 V 00401 A	 B-3 1.0 - 2.25mm	00418 V 00419 A	 ABB - 33 1.0 - 2.25mm	00412 V 00413 A	 ABB - 3 1.0 - 2.25mm
00325	 HD-S 1.5 - 3.5mm	00326	 HD - D 1.5 - 3.5mm	 Clamp Box CB-1	
00286	 RD-S 2.0 - 5.0mm	00287	 RD - D 2.0 - 5.0mm	 Clamp Applicator CAF-4	



ULTRA FINE MICRO INSTRUMENTS

The following Ultra-Fine Micro Instruments have been manufactured at the extremes of Instrument makers capabilities with extremely precisely manufactured tips facilitating supermicrosurgical techniques. This allows anastomosis of extremely small vessels ranging in diameter from 0.3 to 0.8mm using 11-0 or 12-0 sutures.

The advancement in new supermicrosurgical reconstructive techniques has resulted in new applications of this technique such as crushed fingertip replantations with venule grafts, toe tip transfers for fingertip loss, and lymphaticovenular anastomoses of vessels (LVA) for lymphedema.

Ultra-Fine Micro Instruments are ideally suited for free flaps and free perforator-to-perforator flaps.

Ultra Fine Jewellers Forceps

- 11cm/4¼" length
- Tips 0.1mm Ø

18-5.1



Ultra Fine Jewellers Forceps

- 13.5cm/5¾" length
- Tips 0.1mm Ø

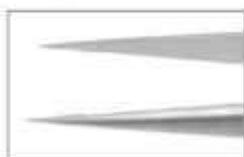
18- 3.1



Ultra Fine Round Bodied Forceps

- 15cm/6" length
- Straight tips 0.1mm Ø
- Balanced forceps

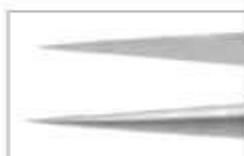
18-15 R M-8.1



Ultra Fine Round Bodied Forceps

- 18cm/7" length
- Straight tips 0.1mm Ø
- Balanced forceps

18-18 R M-8.1



ULTRA FINE MICRO INSTRUMENTS

Ultra Fine Vessel Dilator Angled

- 11cm/4 $\frac{1}{4}$ " length
- Tips 0.1mm \emptyset

18-5a.1



Ultra Fine Vessel Dilator Angled

- 13.5cm/5 $\frac{3}{8}$ " length
- Curved tips 0.2mm \emptyset

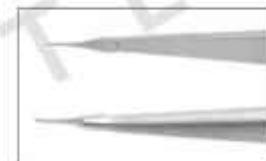
18-3d.2



Ultra Fine Round Bodied Vessel Dilator

- 15cm/6" length
- Straight tips 0.1mm \emptyset
- Balanced forceps

18-15 RM-8d.1



Ultra Fine Round Bodied Vessel Dilator

- 15cm/6" length
- Curved tips 0.2mm \emptyset
- Balanced forceps

18-15 RM-8d.2



ULTRA FINE MICRO INSTRUMENTS

Ultra Fine Straight Scissors Flat Handle

- 15cm/6" length
- Blades 14mm long

18-15 F14



Adventitia scissors with pointed tips

Ultra Fine Curved Scissors Flat Handle

- 15cm/6" length
- Blades 12mm long

18-15 F12



Dissecting scissors with rounded tips

Ultra Fine Straight Scissors Round Handle

- Blades 14mm long

15cm/6" length

18-15 R-8 F14



18cm/7" length

18-18 R-8 F14



Dissecting scissors with pointed tips

Ultra Fine Curved Scissors Round Handle

- Blades 12mm long

15cm/6" length

18-15 R-8 F12



18cm/7" length

18-18 R-8 F12



Dissecting scissors with rounded tips

ULTRA FINE MICRO INSTRUMENTS

Ultra Fine Curved Micro Needle Holder

- 14cm/5½" length
- Flat handled
- 0.2mm Jaws

18-14.2



Ultra Fine Curved Micro Needle Holder

- Round bodied
- 0.2mm Jaws

15cm/6" length

18-15-8.2

18cm/7" length

18-18-8.2



Ultra Fine Set Complete



INSTRUMENTS CONTAINER



SINGLE TRAY CONTAINERS

Internal Dimensions			Code
A	B	C	
200 x	140 x	50mm	E 4026/1
280 x	195 x	50mm	E 4026/4
265 x	255 x	50mm	E 4026/5
380 x	260 x	50mm	E 4026/7

E 4026/5
Standard Container illustrated
One of our popular cases for Micro
Instruments



DOUBLE TRAY CONTAINERS

Internal Dimensions			Code
A	B	C	
280 x	195 x	65mm	E 4026/4 D
265 x	255 x	65mm	E 4026/5 D
380 x	260 x	65mm	E 4026/7 D

E 4026/5D
Double Tray Container illustrated
Two removable perforated trays



Acland Clamp Container

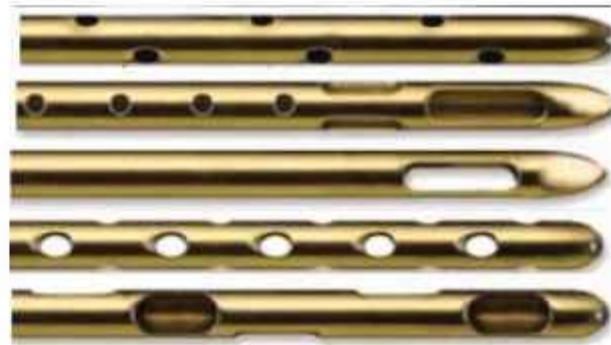
18-4400-00

With individual compartments for various clamp sizes

19

ARSA
ENTERPRISES

LIPOSUCTION



Cannula Hubs/ Connections



Machine Connections



Fixed Handle

Luer Lock Hub/Connector:

The universal Luer Lock hub enables cannula to attach directly with any Luer Lock Syringe.

Ultra Luer Lock Hub/Connector:

A modification to general Luer Lock hub which is more powerful, more stable, Leak proof, free from instability and contamination.

Threaded Hub/Connector:

Threaded connector hub style is used mostly for machine assisted Liposuction cannulas, unique Light weight threaded cannula can also be used with ordinary syringe. All you need is connector from threaded to Luer style.

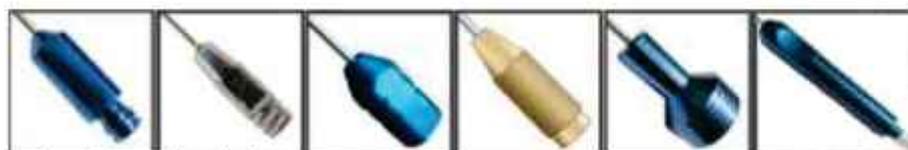
60cc Tommey Hub/Connector:

An ideal hub style for surgeons why love to handle large fat volumes. This hub style connect cannula to a 60cc Tommey to syringe.

Fixed Handle Cannulas:

super power grip handle fixed with the cannula of your own choice! The unique design of handle offer powerful grip harvesting large volumes. You will feel amazingly comfortable ever after a long operational time. The thumb grip provide a unique opportunity to control the thrust.

INFILTRATION CANNULAS



Luer lock Luer lock Ultra Luer lock Treaded 60cc Tommey hub Power Cannula



Tumescent Infiltrator

This cannula is used specifically for the infusion of tumescent solution. The configuration of the ports allows even distribution of the fluid.

60ccTommeyhub

101.01	Ø 2.5 mm X 15 cm
101.02	Ø 2.5 mm X 20 cm
101.03	Ø 3.0 mm X 20 cm
101.04	Ø 3.0 mm X 25 cm

Treaded Hub

102.01	Ø 2.0 mm X 15 cm
102.02	Ø 3.0 mm X 15 cm
102.03	Ø 3.0 mm X 20 cm
102.04	Ø 3.0 mm X 30 cm
102.05	Ø 4.0 mm X 20 cm
102.06	Ø 4.0 mm X 30 cm

Ultra Luer lock

103.01	Ø 1.0 mm X 5 cm
103.02	Ø 1.0 mm X 7 cm
103.03	Ø 1.5 mm X 7 cm
103.04	Ø 1.5 mm X 9 cm

Luer lock

104.01	Ø 1.0 mm X 4 cm
104.02	Ø 1.0 mm X 5 cm
104.03	Ø 1.5 mm X 7 cm
104.04	Ø 1.5 mm X 9 cm
104.05	Ø 1.5 mm X 10 cm
104.06	Ø 1.5 mm X 12 cm
104.07	Ø 2.0 mm X 10 cm
104.08	Ø 2.0 mm X 12 cm
104.09	Ø 2.0 mm X 15 cm
104.10	Ø 2.0 mm X 20 cm
104.11	Ø 2.5 mm X 15 cm
104.12	Ø 2.5 mm X 20 cm
104.13	Ø 3.0 mm X 15 cm
104.14	Ø 3.0 mm X 20 cm

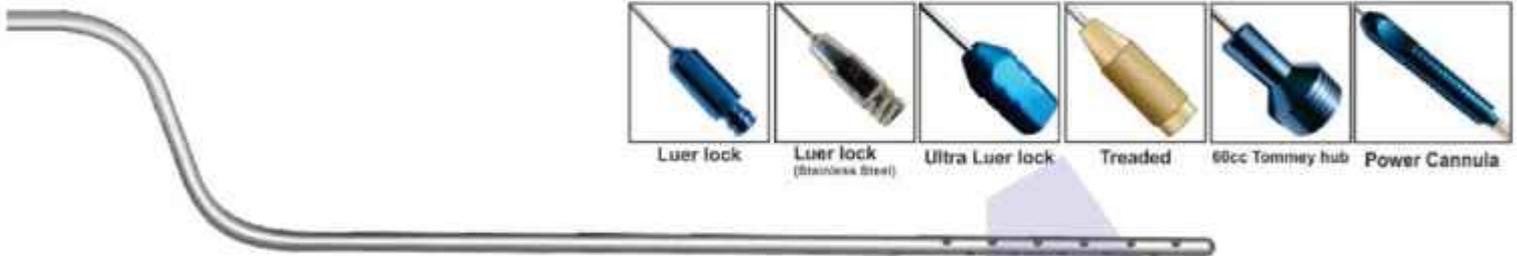
Luer lock (Stainless Steel)

105.01	Ø 1.0 mm X 4 cm
105.02	Ø 1.0 mm X 5 cm
105.03	Ø 1.0 mm X 7 cm
105.04	Ø 1.5 mm X 7 cm
105.05	Ø 1.5 mm X 9 cm
105.06	Ø 1.5 mm X 10 cm
105.07	Ø 1.5 mm X 12 cm
105.08	Ø 2.0 mm X 10 cm
105.09	Ø 2.0 mm X 12 cm
105.10	Ø 2.0 mm X 15 cm
105.11	Ø 2.0 mm X 20 cm
105.12	Ø 2.5 mm X 15 cm
105.13	Ø 2.5 mm X 20 cm
105.14	Ø 3.0 mm X 15 cm
105.15	Ø 3.0 mm X 20 cm

Power Cannula

106.01	Ø 2.0 mm X 15 cm
106.02	Ø 2.0 mm X 20 cm
106.03	Ø 2.0 mm X 25 cm
106.04	Ø 2.0 mm X 30 cm
106.05	Ø 2.0 mm X 35 cm
106.06	Ø 3.0 mm X 15 cm
106.07	Ø 3.0 mm X 20 cm
106.08	Ø 3.0 mm X 25 cm
106.09	Ø 3.0 mm X 30 cm
106.10	Ø 3.0 mm X 35 cm
106.11	Ø 4.0 mm X 15 cm
106.12	Ø 4.0 mm X 20 cm
106.13	Ø 4.0 mm X 25 cm
106.14	Ø 4.0 mm X 30 cm
106.15	Ø 4.0 mm X 35 cm
106.16	Ø 5.0 mm X 15 cm
106.17	Ø 5.0 mm X 20 cm
106.18	Ø 5.0 mm X 25 cm
106.19	Ø 5.0 mm X 30 cm
106.20	Ø 5.0 mm X 35 cm
106.21	Ø 6.0 mm X 15 cm
106.22	Ø 6.0 mm X 20 cm
106.23	Ø 6.0 mm X 25 cm
106.24	Ø 6.0 mm X 30 cm
106.25	Ø 6.0 mm X 35 cm

INFILTRATION CANNULAS



Tumescent Bayonet Infiltrator

The bayonet shaped handles allow an easier manipulation

60ccTommeyhub

101.11	Ø 2.0 mm X 15 cm
101.12	Ø 2.5 mm X 20 cm
101.13	Ø 3.0 mm X 20 cm
101.14	Ø 3.0 mm X 25 cm

Treaded Hub

102.11	Ø 2.0mm X 15 cm
102.12	Ø 3.0mm X 15 cm
102.13	Ø 3.0mm X 20 cm
102.14	Ø 3.0mm X 30 cm
102.15	Ø 4.0mm X 20 cm
102.16	Ø 4.0mm X 30 cm

Ultra Luer lock

103.11	Ø 1.0 mm X 5 cm
103.12	Ø 1.0 mm X 7 cm
103.13	Ø 1.5 mm X 7 cm
103.14	Ø 1.5 mm X 9 cm

Luer lock

104.11	Ø 1.0 mm X 4 cm
104.12	Ø 1.0 mm X 5 cm
104.13	Ø 1.0 mm X 7 cm
104.14	Ø 1.5 mm X 7 cm
104.15	Ø 1.5 mm X 9 cm
104.16	Ø 1.5 mm X 10 cm
104.17	Ø 1.5 mm X 12 cm
104.18	Ø 2.0 mm X 10 cm
104.19	Ø 2.0 mm X 12 cm
104.20	Ø 2.0 mm X 15 cm
104.21	Ø 2.0 mm X 20 cm
104.22	Ø 2.5 mm X 15 cm
104.23	Ø 2.5 mm X 20 cm
104.24	Ø 3.0 mm X 15 cm
104.25	Ø 3.0 mm X 20 cm

Luer lock (Stainless Steel)

105.21	Ø 1.0 mm X 4 cm
105.22	Ø 1.0 mm X 5 cm
105.23	Ø 1.0 mm X 7 cm
105.24	Ø 1.5 mm X 7 cm
105.25	Ø 1.5 mm X 9 cm
105.26	Ø 1.5 mm X 10 cm
105.27	Ø 1.5 mm X 12 cm
105.28	Ø 2.0 mm X 10 cm
105.29	Ø 2.0 mm X 12 cm
105.30	Ø 2.0 mm X 15 cm
105.31	Ø 2.0 mm X 20 cm
105.32	Ø 2.5 mm X 15 cm
105.33	Ø 2.5 mm X 20 cm
105.34	Ø 3.0 mm X 15 cm
105.35	Ø 3.0 mm X 20 cm

Power Cannula

106.31	Ø 2 mm X 15 cm
106.32	Ø 2 mm X 20 cm
106.33	Ø 2 mm X 25 cm
106.34	Ø 2 mm X 30 cm
106.35	Ø 2 mm X 35 cm
106.36	Ø 3 mm X 15 cm
106.37	Ø 3 mm X 20 cm
106.38	Ø 3 mm X 25 cm
106.39	Ø 3 mm X 30 cm
106.40	Ø 3 mm X 35 cm
106.41	Ø 4 mm X 15 cm
106.42	Ø 4 mm X 20 cm
106.43	Ø 4 mm X 25 cm
106.44	Ø 4 mm X 30 cm
106.45	Ø 4 mm X 35 cm
106.46	Ø 5 mm X 15 cm
106.47	Ø 5 mm X 20 cm
106.48	Ø 5 mm X 25 cm
106.49	Ø 5 mm X 30 cm
106.50	Ø 5 mm X 35 cm
106.51	Ø 6 mm X 15 cm
106.52	Ø 6 mm X 20 cm
106.53	Ø 6 mm X 25 cm
106.54	Ø 6 mm X 30 cm
106.55	Ø 6 mm X 35 cm

INFILTRATION CANNULAS



Luer lock

Luer lock
(Stainless Steel)

Ultra Luer lock

Treaded

60cc Tommey hub

Power Cannula



Tumescent Infiltrator Angled

This cannula is used specifically for the infusion of tumescent solution. The configuration of the ports allows even distribution of the fluid.

60cc Tommeyhub

101.21	Ø 2.0 mm X 15 cm
101.22	Ø 2.5 mm X 20 cm
101.23	Ø 3.0 mm X 20 cm
101.24	Ø 3.0 mm X 25 cm

Treaded Hub

102.21	Ø 2.0mm X 15 cm
102.22	Ø 3.0mm X 15 cm
102.23	Ø 3.0mm X 20 cm
102.24	Ø 3.0mm X 30 cm
102.25	Ø 4.0mm X 20 cm
102.26	Ø 4.0mm X 30 cm

Ultra Luer lock

103.21	Ø 1.0 mm X 5 cm
103.22	Ø 1.0 mm X 7 cm
103.23	Ø 1.5 mm X 7 cm
103.24	Ø 1.5 mm X 9 cm

Luer lock

104.31	Ø 1.0 mm X 4 cm
104.32	Ø 1.0 mm X 5 cm
104.33	Ø 1.0 mm X 7 cm
104.34	Ø 1.5 mm X 7 cm
104.35	Ø 1.5 mm X 9 cm
104.36	Ø 1.5 mm X 10 cm
104.37	Ø 1.5 mm X 12 cm
104.38	Ø 2.0 mm X 10 cm
104.39	Ø 2.0 mm X 12 cm
104.40	Ø 2.0 mm X 15 cm
104.41	Ø 2.0 mm X 20 cm
104.42	Ø 2.5 mm X 15 cm
104.43	Ø 2.5 mm X 20 cm
104.44	Ø 3.0 mm X 15 cm
104.45	Ø 3.0 mm X 20 cm

Luer lock (Stainless Steel)

105.41	Ø 1.0 mm X 4 cm
105.42	Ø 1.0 mm X 5 cm
105.43	Ø 1.0 mm X 7 cm
105.44	Ø 1.5 mm X 7 cm
105.45	Ø 1.5 mm X 9 cm
105.46	Ø 1.5 mm X 10 cm
105.47	Ø 1.5 mm X 12 cm
105.48	Ø 2.0 mm X 10 cm
105.49	Ø 2.0 mm X 12 cm
105.50	Ø 2.0 mm X 15 cm
105.51	Ø 2.0 mm X 20 cm
105.52	Ø 2.5 mm X 15 cm
105.53	Ø 2.5 mm X 20 cm
105.54	Ø 3.0 mm X 15 cm
105.55	Ø 3.0 mm X 20 cm

Power Cannula

106.61	Ø 2 mm X 15 cm
106.62	Ø 2 mm X 20 cm
106.63	Ø 2 mm X 25 cm
106.64	Ø 2 mm X 30 cm
106.65	Ø 2 mm X 35 cm
106.66	Ø 3 mm X 15 cm
106.67	Ø 3 mm X 20 cm
106.68	Ø 3 mm X 25 cm
106.69	Ø 3 mm X 30 cm
106.70	Ø 3 mm X 35 cm
106.71	Ø 4 mm X 15 cm
106.72	Ø 4 mm X 20 cm
106.73	Ø 4 mm X 25 cm
106.74	Ø 4 mm X 30 cm
106.75	Ø 4 mm X 35 cm
106.76	Ø 5 mm X 15 cm
106.77	Ø 5 mm X 20 cm
106.78	Ø 5 mm X 25 cm
106.79	Ø 5 mm X 30 cm
106.80	Ø 5 mm X 35 cm
106.81	Ø 6 mm X 15 cm
106.82	Ø 6 mm X 20 cm
106.83	Ø 6 mm X 25 cm
106.84	Ø 6 mm X 30 cm
106.85	Ø 6 mm X 35 cm

INFILTRATION CANNULAS



Facelift Infiltration Cannula

This cannula is used specifically for the infusion of tumescent solution. The configuration of the ports allows even distribution of the fluid.

60ccTommeyhub

101.31	Ø 2.0 mm X 15 cm
101.32	Ø 2.5 mm X 20 cm
101.33	Ø 3.0 mm X 20 cm
101.34	Ø 3.0 mm X 25 cm

Treaded Hub

102.31	Ø 2.0mm X 15 cm
102.32	Ø 3.0mm X 15 cm
102.33	Ø 3.0mm X 20 cm
102.34	Ø 3.0mm X 30 cm
102.35	Ø 4.0mm X 20 cm
102.36	Ø 4.0mm X 30 cm

Ultra Luer lock

103.31	Ø 1.0 mm X 5 cm
103.32	Ø 1.0 mm X 7 cm
103.33	Ø 1.5 mm X 7 cm
103.34	Ø 1.5 mm X 9 cm

Luer lock

104.51	Ø 1.0 mm X 4 cm
104.52	Ø 1.0 mm X 5 cm
104.53	Ø 1.0 mm X 7 cm
104.54	Ø 1.5 mm X 7 cm
104.55	Ø 1.5 mm X 9 cm
104.56	Ø 1.5 mm X 10 cm
104.57	Ø 1.5 mm X 12 cm
104.58	Ø 2.0 mm X 10 cm
104.59	Ø 2.0 mm X 12 cm
104.50	Ø 2.0 mm X 15 cm
104.51	Ø 2.0 mm X 20 cm
104.52	Ø 2.5 mm X 15 cm
104.53	Ø 2.5 mm X 20 cm
104.54	Ø 3.0 mm X 15 cm
104.55	Ø 3.0 mm X 20 cm

Luer lock (Stainless Steel)

105.61	Ø 1.0 mm X 4 cm
105.62	Ø 1.0 mm X 5 cm
105.63	Ø 1.0 mm X 7 cm
105.64	Ø 1.5 mm X 7 cm
105.65	Ø 1.5 mm X 9 cm
105.66	Ø 1.5 mm X 10 cm
105.67	Ø 1.5 mm X 12 cm
105.68	Ø 2.0 mm X 10 cm
105.69	Ø 2.0 mm X 12 cm
105.70	Ø 2.0 mm X 15 cm
105.71	Ø 2.0 mm X 20 cm
105.72	Ø 2.5 mm X 15 cm
105.73	Ø 2.5 mm X 20 cm
105.74	Ø 3.0 mm X 15 cm
105.75	Ø 3.0 mm X 20 cm

Power Cannula

106.91	Ø 2 mm X 15 cm
106.92	Ø 2 mm X 20 cm
106.93	Ø 2 mm X 25 cm
106.94	Ø 2 mm X 30 cm
106.95	Ø 2 mm X 35 cm
106.96	Ø 3 mm X 15 cm
106.97	Ø 3 mm X 20 cm
106.98	Ø 3 mm X 25 cm
106.99	Ø 3 mm X 30 cm
106.100	Ø 3 mm X 35 cm
106.101	Ø 4 mm X 15 cm
106.102	Ø 4 mm X 20 cm
106.103	Ø 4 mm X 25 cm
106.104	Ø 4 mm X 30 cm
106.105	Ø 4 mm X 35 cm
106.106	Ø 5 mm X 15 cm
106.107	Ø 5 mm X 20 cm
106.108	Ø 5 mm X 25 cm
106.109	Ø 5 mm X 30 cm
106.110	Ø 5 mm X 35 cm
106.111	Ø 6 mm X 15 cm
106.112	Ø 6 mm X 20 cm
106.113	Ø 6 mm X 25 cm
106.114	Ø 6 mm X 30 cm
106.115	Ø 6 mm X 35 cm

EUSTACHIAN CATHETERS



Standard

With regular Stainless Steel pipes
with polish finish.

Nitrate Coated

With Cell Friendly Titanium Nitride
coating throughout the pipe

GENERAL SUCTION CANNULA

General suction cannula
are ideal tool for large volume Harvesting with ease
perfection.

These cannulas are designed to facilitate you to get
perfectly designed goals in minimum time.

GENERAL SUCTION CANNULAS



StevensStyleCannula

60ccTommeyhub

201.01	Ø 2.0 mm X 15 cm
201.02	Ø 2.5 mm X 20 cm
201.03	Ø 3.0 mm X 20 cm
201.04	Ø 3.0 mm X 25 cm

Treaded Hub

202.01	Ø 3.0 mm X 20 cm
202.02	Ø 3.0 mm X 30 cm
202.03	Ø 4.0 mm X 30 cm
202.04	Ø 5.0 mm X 30 cm
202.05	Ø 6.0 mm X 30 cm

Ultra Luer lock

203.01	Ø 1.0 mm X 5 cm
203.02	Ø 1.0 mm X 7 cm
203.03	Ø 1.5 mm X 7 cm
203.04	Ø 1.5 mm X 9 cm
203.05	Ø 1.5 mm X 7 cm

Luer lock

204.01	Ø 1.0 mm X 4 cm
204.02	Ø 1.0 mm X 5 cm
204.03	Ø 1.0 mm X 7 cm
204.04	Ø 1.5 mm X 7 cm
204.05	Ø 1.5 mm X 9 cm
204.06	Ø 1.5 mm X 10 cm
204.07	Ø 1.5 mm X 12 cm
204.08	Ø 2.0 mm X 10 cm
204.09	Ø 2.0 mm X 12 cm
204.10	Ø 2.0 mm X 15 cm
204.11	Ø 2.0 mm X 20 cm
204.12	Ø 2.5 mm X 15 cm
204.13	Ø 2.5 mm X 20 cm
204.14	Ø 3.0 mm X 15 cm
204.15	Ø 3.0 mm X 20 cm

Luer lock (Stainless Steel)

205.01	Ø 1.0 mm X 4 cm
205.02	Ø 1.0 mm X 5 cm
205.03	Ø 1.0 mm X 7 cm
205.04	Ø 1.5 mm X 7 cm
205.05	Ø 1.5 mm X 9 cm
205.06	Ø 1.5 mm X 10 cm
205.07	Ø 1.5 mm X 12 cm
205.08	Ø 2.0 mm X 10 cm
205.09	Ø 2.0 mm X 12 cm
205.10	Ø 2.0 mm X 15 cm
205.11	Ø 2.0 mm X 20 cm
205.12	Ø 2.5 mm X 15 cm
205.13	Ø 2.5 mm X 20 cm
205.14	Ø 3.0 mm X 15 cm
205.15	Ø 3.0 mm X 20 cm

Power Cannula

206.01	Ø 2 mm X 15 cm
206.02	Ø 2 mm X 20 cm
206.03	Ø 2 mm X 25 cm
206.04	Ø 2 mm X 30 cm
206.05	Ø 2 mm X 35 cm
206.06	Ø 3 mm X 15 cm
206.07	Ø 3 mm X 20 cm
206.08	Ø 3 mm X 25 cm
206.09	Ø 3 mm X 30 cm
206.10	Ø 3 mm X 35 cm
206.11	Ø 4 mm X 15 cm
206.12	Ø 4 mm X 20 cm
206.13	Ø 4 mm X 25 cm
206.14	Ø 4 mm X 30 cm
206.15	Ø 4 mm X 35 cm
206.16	Ø 5 mm X 15 cm
206.17	Ø 5 mm X 20 cm
206.18	Ø 5 mm X 25 cm
206.19	Ø 5 mm X 30 cm
206.20	Ø 5 mm X 35 cm
206.21	Ø 6 mm X 15 cm
206.22	Ø 6 mm X 20 cm
206.23	Ø 6 mm X 25 cm
206.24	Ø 6 mm X 30 cm
206.25	Ø 6 mm X 35 cm

GENERAL SUCTION CANNULAS



Cobra Bibevel Style

More aggressive than the Standard, Pyramid or Mercedes, this cannula has a tapered tip with two ports and works effectively within dense fibrous tissue.

60ccTommeyhub

201.11	Ø 2.5 mm X 15 cm5
201.12	Ø 2.5 mm X 20 cm
201.13	Ø 3.0 mm X 15 cm
201.14	Ø 3.0 mm X 20 cm
201.15	Ø 3.0 mm X 25 cm
201.16	Ø 4.0 mm X 25 cm
201.17	Ø 4.0 mm X 30 cm
201.18	Ø 4.0 mm X 35 cm
201.19	Ø 4.5 mm X 30 cm
201.20	Ø 4.5 mm X 35 cm

Treaded Hub

202.11	Ø 3.0 mm X 15 cm
202.12	Ø 3.0 mm X 25 cm
202.13	Ø 4.0 mm X 15 cm
202.14	Ø 4.0 mm X 25 cm

Ultra Luer lock

203.11	Ø 2.0 mm X 15 cm
203.12	Ø 2.5 mm X 15 cm
203.13	Ø 2.5 mm X 20 cm
203.14	Ø 3.0 mm X 15 cm
203.15	Ø 3.0 mm X 20 cm
203.16	Ø 3.0 mm X 25 cm

Luer lock

204.21	Ø 2.0 mm X 15 cm
204.22	Ø 2.5 mm X 15 cm
204.23	Ø 2.5 mm X 20 cm
204.24	Ø 3.0 mm X 15 cm
204.25	Ø 3.0 mm X 20 cm
204.26	Ø 3.0 mm X 25 cm

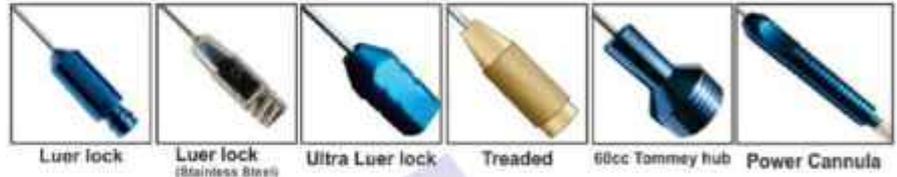
Luer lock (Stainless Steel)

205.21	Ø 2.0 mm X 15 cm
205.22	Ø 2.5 mm X 15 cm
205.23	Ø 2.5 mm X 20 cm
205.24	Ø 3.0 mm X 15 cm
205.25	Ø 3.0 mm X 20 cm
205.26	Ø 3.0 mm X 25 cm

Power Cannula

206.31	Ø 2mm X 15 cm
206.32	Ø 2mm X 20 cm
206.33	Ø 2mm X 25 cm
206.34	Ø 2mm X 30 cm
206.35	Ø 2mm X 35 cm
206.36	Ø 3mm X 15 cm
206.37	Ø 3mm X 20 cm
206.38	Ø 3mm X 25 cm
206.39	Ø 3mm X 30 cm
206.40	Ø 3mm X 35 cm
206.41	Ø 4mm X 15 cm
206.42	Ø 4mm X 20 cm
206.43	Ø 4mm X 25 cm
206.44	Ø 4mm X 30 cm
206.45	Ø 4mm X 35 cm
206.46	Ø 5mm X 15 cm
206.47	Ø 5mm X 20 cm
206.48	Ø 5mm X 25 cm
206.49	Ø 5mm X 30 cm
206.50	Ø 5mm X 35 cm
206.51	Ø 6mm X 15 cm
206.52	Ø 6mm X 20 cm
206.53	Ø 6mm X 25 cm
206.54	Ø 6mm X 30 cm
206.55	Ø 6mm X 35 cm

GENERAL SUCTION CANNULAS



Cobra Style Round Tip

Less aggressive than the Cobra Bibevel this cell friendly cannula has a rounded tip with two ports and works effectively within dense fibrous tissue during liposuction procedures.

60ccTommeyhub

201.21	Ø 2.5 mm X 15 cm
201.22	Ø 2.5 mm X 20 cm
201.23	Ø 3.0 mm X 15 cm
201.24	Ø 3.0 mm X 20 cm
201.25	Ø 3.0 mm X 25 cm
201.26	Ø 4.0 mm X 25 cm
201.27	Ø 4.0 mm X 30 cm
201.28	Ø 4.0 mm X 35 cm
201.29	Ø 4.5 mm X 30 cm
201.30	Ø 4.5 mm X 35 cm

Treaded Hub

202.21	Ø 3.0 mm X 15 cm
202.22	Ø 3.0 mm X 25 cm
202.23	Ø 4.0 mm X 15 cm
202.24	Ø 4.0 mm X 25 cm

Ultra Luer lock

203.21	Ø 2.0 mm X 15 cm
203.22	Ø 2.5 mm X 15 cm
203.23	Ø 2.5 mm X 20 cm
203.24	Ø 3.0 mm X 15 cm
203.25	Ø 3.0 mm X 20 cm
203.26	Ø 3.0 mm X 25 cm

Luer lock

204.31	Ø 2.0 mm X 15 cm
204.32	Ø 2.5 mm X 15 cm
204.33	Ø 2.5 mm X 20 cm
204.34	Ø 3.0 mm X 15 cm
204.35	Ø 3.0 mm X 20 cm
204.36	Ø 3.0 mm X 25 cm

Luer lock (Stainless Steel)

205.31	Ø 2.0 mm X 15 cm
205.32	Ø 2.5 mm X 15 cm
205.33	Ø 2.5 mm X 20 cm
205.34	Ø 3.0 mm X 15 cm
205.35	Ø 3.0 mm X 20 cm
205.36	Ø 3.0 mm X 25 cm

Power Cannula

206.61	Ø 2 mm X 15 cm
206.62	Ø 2 mm X 20 cm
206.63	Ø 2 mm X 25 cm
206.64	Ø 2 mm X 30 cm
206.65	Ø 2 mm X 35 cm
206.66	Ø 3 mm X 15 cm
206.67	Ø 3 mm X 20 cm
206.68	Ø 3 mm X 25 cm
206.69	Ø 3 mm X 30 cm
206.70	Ø 3 mm X 35 cm
206.71	Ø 4 mm X 15 cm
206.72	Ø 4 mm X 20 cm
206.73	Ø 4 mm X 25 cm
206.74	Ø 4 mm X 30 cm
206.75	Ø 4 mm X 35 cm
206.76	Ø 5 mm X 15 cm
206.77	Ø 5 mm X 20 cm
206.78	Ø 5 mm X 25 cm
206.79	Ø 5 mm X 30 cm
206.80	Ø 5 mm X 35 cm
206.81	Ø 6 mm X 15 cm
206.82	Ø 6 mm X 20 cm
206.83	Ø 6 mm X 25 cm
206.84	Ø 6 mm X 30 cm
206.85	Ø 6 mm X 35 cm

GENERAL SUCTION CANNULAS



Standard, Single Hole

This is the most common cell friendly cannula design for soft tissue removal. The single port is located 180 degrees from the thumb rest on the hub.

60ccTommeyhub

201.31	Ø 2.5 mm X 15 cm
201.32	Ø 2.5 mm X 20 cm
201.33	Ø 3.0 mm X 15 cm
201.34	Ø 3.0 mm X 20 cm
201.35	Ø 3.0 mm X 25 cm
201.36	Ø 4.0 mm X 25 cm
201.37	Ø 4.0 mm X 30 cm
201.38	Ø 4.0 mm X 35 cm
201.39	Ø 4.5 mm X 30 cm
201.40	Ø 4.5 mm X 35 cm

Luer lock (Stainless Steel)

205.41	Ø 1.5 mm X 12 cm
205.42	Ø 2.0 mm X 15 cm
205.43	Ø 2.0 mm X 20 cm
205.44	Ø 2.5 mm X 15 cm
205.45	Ø 2.5 mm X 20 cm
205.46	Ø 3.0 mm X 15 cm
205.47	Ø 3.0 mm X 20 cm
205.48	Ø 3.0 mm X 25 cm

Treaded Hub

202.31	Ø 3.0 mm X 15 cm
202.32	Ø 3.0 mm X 25 cm
202.33	Ø 4.0 mm X 15 cm
202.34	Ø 4.0 mm X 25 cm

Ultra Luer lock

203.31	Ø 1.5 mm X 12 cm
203.32	Ø 2.0 mm X 15 cm
203.33	Ø 2.0 mm X 20 cm
203.34	Ø 2.5 mm X 15 cm
203.35	Ø 2.5 mm X 20 cm
203.36	Ø 3.0 mm X 15 cm
203.37	Ø 3.0 mm X 20 cm
203.38	Ø 3.0 mm X 25 cm

Luer lock

204.41	Ø 1.5 mm X 12 cm
204.42	Ø 2.0 mm X 15 cm
204.43	Ø 2.0 mm X 20 cm
204.44	Ø 2.5 mm X 15 cm
204.45	Ø 2.5 mm X 20 cm
204.46	Ø 3.0 mm X 15 cm
204.47	Ø 3.0 mm X 20 cm
204.48	Ø 3.0 mm X 25 cm

Power Cannula

206.91	Ø 2 mm X 15 cm
206.92	Ø 2 mm X 20 cm
206.93	Ø 2 mm X 25 cm
206.94	Ø 2 mm X 30 cm
206.95	Ø 2 mm X 35 cm
206.96	Ø 3 mm X 15 cm
206.97	Ø 3 mm X 20 cm
206.98	Ø 3 mm X 25 cm
206.99	Ø 3 mm X 30 cm
206.100	Ø 3 mm X 35 cm
206.101	Ø 4 mm X 15 cm
206.102	Ø 4 mm X 20 cm
206.103	Ø 4 mm X 25 cm
206.104	Ø 4 mm X 30 cm
206.105	Ø 4 mm X 35 cm
206.106	Ø 5 mm X 15 cm
206.107	Ø 5 mm X 20 cm
206.108	Ø 5 mm X 25 cm
206.109	Ø 5 mm X 30 cm
206.110	Ø 5 mm X 35 cm
206.111	Ø 6 mm X 15 cm
206.112	Ø 6 mm X 20 cm
206.113	Ø 6 mm X 25 cm
206.114	Ø 6 mm X 30 cm
206.115	Ø 6 mm X 35 cm

GENERAL SUCTION CANNULAS



Mercedes

This circumferential three port configuration cell friendly liposuction cannula is effective for multi-plane soft tissue harvesting.

60ccTommeyhub

201.51	Ø 2.5 mm X 15 cm
201.52	Ø 2.5 mm X 20 cm
201.53	Ø 3.0 mm X 15 cm
201.54	Ø 3.0 mm X 20 cm
201.55	Ø 3.0 mm X 25 cm
201.56	Ø 4.0 mm X 25 cm
201.57	Ø 4.0 mm X 30 cm
201.58	Ø 4.0 mm X 35 cm
201.59	Ø 4.5 mm X 30 cm
201.60	Ø 4.5 mm X 35 cm

Treaded Hub

202.51	Ø 3.0 mm X 15 cm
202.52	Ø 3.0 mm X 25 cm
202.53	Ø 4.0 mm X 15 cm
202.54	Ø 4.0 mm X 25 cm

Ultra Luer lock

203.51	Ø 1.5 mm X 12 cm
203.52	Ø 2.0 mm X 15 cm
203.53	Ø 2.5 mm X 15 cm
203.54	Ø 2.5 mm X 20 cm
203.55	Ø 3.0 mm X 15 cm
203.56	Ø 3.0 mm X 20 cm
203.57	Ø 3.0 mm X 25 cm

Luer lock

204.61	Ø 1.5 mm X 12 cm
204.62	Ø 2.0 mm X 15 cm
204.63	Ø 2.5 mm X 15 cm
204.64	Ø 2.5 mm X 20 cm
204.65	Ø 3.0 mm X 15 cm
204.66	Ø 3.0 mm X 20 cm
-204.67	Ø 3.0 mm X 25 cm

Luer lock (Stainless Steel)

205.61	Ø 1.5 mm X 12 cm
205.62	Ø 2.0 mm X 15 cm
205.63	Ø 2.0 mm X 20 cm
205.64	Ø 2.5 mm X 15 cm
205.65	Ø 2.5 mm X 20 cm
205.66	Ø 3.0 mm X 15 cm
205.67	Ø 3.0 mm X 20 cm
205.68	Ø 3.0 mm X 25 cm

Power Cannula

206.151	Ø 2 mm X 15 cm
206.152	Ø 2 mm X 20 cm
206.153	Ø 2 mm X 25 cm
206.154	Ø 2 mm X 30 cm
206.155	Ø 2 mm X 35 cm
206.156	Ø 3 mm X 15 cm
206.157	Ø 3 mm X 20 cm
206.158	Ø 3 mm X 25 cm
206.159	Ø 3 mm X 30 cm
206.160	Ø 3 mm X 35 cm
206.161	Ø 4 mm X 15 cm
206.162	Ø 4 mm X 20 cm
206.163	Ø 4 mm X 25 cm
206.164	Ø 4 mm X 30 cm
206.165	Ø 4 mm X 35 cm
206.166	Ø 5 mm X 15 cm
206.167	Ø 5 mm X 20 cm
206.168	Ø 5 mm X 25 cm
206.169	Ø 5 mm X 30 cm
206.170	Ø 5 mm X 35 cm
206.171	Ø 6 mm X 15 cm
206.172	Ø 6 mm X 20 cm
206.173	Ø 6 mm X 25 cm
206.174	Ø 6 mm X 30 cm
206.175	Ø 6 mm X 35 cm

GENERAL SUCTION CANNULAS



Luer lock

Luer lock
(Stainless Steel)

Ultra Luer lock

Treaded

60cc Tommey hub

Power Cannula

Pyramid Holes Cannula

This commonly used design has three ports located 180 degrees from the thumb print. It is a slightly more aggressive cannula than the Standard during liposuction procedures.

60ccTommeyhub

201.41	Ø 2.5 mm X 15 cm
201.42	Ø 2.5 mm X 20 cm
201.43	Ø 3.0 mm X 15 cm
201.44	Ø 3.0 mm X 20 cm
201.45	Ø 3.0 mm X 25 cm
201.46	Ø 4.0 mm X 25 cm
201.47	Ø 4.0 mm X 30 cm
201.48	Ø 4.0 mm X 35 cm
201.49	Ø 4.5 mm X 30 cm
201.50	Ø 4.5 mm X 35 cm

Treaded Hub

202.41	Ø 3.0 mm X 15 cm
202.42	Ø 3.0 mm X 25 cm
202.43	Ø 4.0 mm X 15 cm
202.44	Ø 4.0 mm X 25 cm

Ultra Luer lock

203.41	Ø 1.5 mm X 12 cm
203.42	Ø 2.0 mm X 15 cm
203.43	Ø 2.5 mm X 15 cm
203.44	Ø 2.5 mm X 20 cm
203.45	Ø 3.0 mm X 15 cm
203.46	Ø 3.0 mm X 20 cm
203.47	Ø 3.0 mm X 25 cm

Luer lock

204.51	Ø 1.5 mm X 12 cm
204.52	Ø 2.0 mm X 15 cm
204.53	Ø 2.5 mm X 15 cm
204.54	Ø 2.5 mm X 20 cm
204.55	Ø 3.0 mm X 15 cm
204.56	Ø 3.0 mm X 20 cm
204.57	Ø 3.0 mm X 25 cm

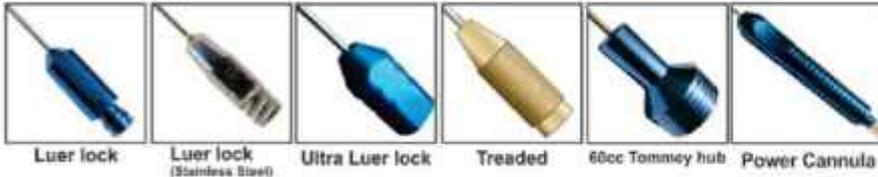
Luer lock (Stainless Steel)

205.51	Ø 1.5 mm X 12 cm
205.52	Ø 2.0 mm X 15 cm
205.53	Ø 2.0 mm X 20 cm
205.54	Ø 2.5 mm X 15 cm
205.55	Ø 2.5 mm X 20 cm
205.56	Ø 3.0 mm X 15 cm
205.57	Ø 3.0 mm X 20 cm
205.58	Ø 3.0 mm X 25 cm

Power Cannula

206.121	Ø 2 mm X 15 cm
206.122	Ø 2 mm X 20 cm
206.123	Ø 2 mm X 25 cm
206.124	Ø 2 mm X 30 cm
206.125	Ø 2 mm X 35 cm
206.126	Ø 3 mm X 15 cm
206.127	Ø 3 mm X 20 cm
206.128	Ø 3 mm X 25 cm
206.129	Ø 3 mm X 30 cm
206.130	Ø 3 mm X 35 cm
206.131	Ø 4 mm X 15 cm
206.132	Ø 4 mm X 20 cm
206.133	Ø 4 mm X 25 cm
206.134	Ø 4 mm X 30 cm
206.135	Ø 4 mm X 35 cm
206.136	Ø 5 mm X 15 cm
206.137	Ø 5 mm X 20 cm
206.138	Ø 5 mm X 25 cm
206.139	Ø 5 mm X 30 cm
206.140	Ø 5 mm X 35 cm
-206.141	Ø 6 mm X 15 cm
206.142	Ø 6 mm X 20 cm
206.143	Ø 6 mm X 25 cm
206.144	Ø 6 mm X 30 cm
206.145	Ø 6 mm X 35 cm

GENERAL SUCTION CANNULAS



Luer lock

Luer lock
(Stainless Steel)

Ultra Luer lock

Treaded

60cc Tommey hub

Power Cannula

3 Spiral Port Cannula (Carraway Style)

Spiral three port design on this Cell Friendly liposuction cannula is effective for multi-plane adipose tissue harvesting.

60ccTommeyhub

201.61	Ø 2.5 mm X 15 cm
201.62	Ø 2.5 mm X 20 cm
201.63	Ø 3.0 mm X 15 cm
201.64	Ø 3.0 mm X 20 cm
201.65	Ø 3.0 mm X 25 cm
201.66	Ø 4.0 mm X 25 cm
201.67	Ø 4.0 mm X 30 cm
201.68	Ø 4.0 mm X 35 cm
201.69	Ø 4.5 mm X 30 cm
201.70	Ø 4.5 mm X 35 cm

Treaded Hub

202.61	Ø 3.0 mm X 15 cm
202.62	Ø 3.0 mm X 25 cm
202.63	Ø 4.0 mm X 15 cm
202.64	Ø 4.0 mm X 25 cm

Ultra Luer lock

203.61	Ø 1.5 mm X 12 cm
203.62	Ø 2.0 mm X 15 cm
203.63	Ø 2.5 mm X 15 cm
203.64	Ø 2.5 mm X 20 cm
203.65	Ø 3.0 mm X 15 cm
203.66	Ø 3.0 mm X 20 cm
203.67	Ø 3.0 mm X 25 cm

Luer lock

204.71	Ø 1.5 mm X 12 cm
204.72	Ø 2.0 mm X 15 cm
204.73	Ø 2.5 mm X 15 cm
204.74	Ø 2.5 mm X 20 cm
204.75	Ø 3.0 mm X 15 cm
204.76	Ø 3.0 mm X 20 cm
204.77	Ø 3.0 mm X 25 cm

Luer lock (Stainless Steel)

205.71	Ø 1.5 mm X 12 cm
205.72	Ø 2.0 mm X 15 cm
205.73	Ø 2.0 mm X 20 cm
205.74	Ø 2.5 mm X 15 cm
205.75	Ø 2.5 mm X 20 cm
205.76	Ø 3.0 mm X 15 cm
205.77	Ø 3.0 mm X 20 cm
205.78	Ø 3.0 mm X 25 cm

Power Cannula

206.181	Ø 2 mm X 15 cm
206.182	Ø 2 mm X 20 cm
206.183	Ø 2 mm X 25 cm
206.184	Ø 2 mm X 30 cm
206.185	Ø 2 mm X 35 cm
206.186	Ø 3 mm X 15 cm
206.187	Ø 3 mm X 20 cm
206.188	Ø 3 mm X 25 cm
206.189	Ø 3 mm X 30 cm
206.190	Ø 3 mm X 35 cm
206.191	Ø 4 mm X 15 cm
206.192	Ø 4 mm X 20 cm
206.193	Ø 4 mm X 25 cm
206.194	Ø 4 mm X 30 cm
206.195	Ø 4 mm X 35 cm
206.196	Ø 5 mm X 15 cm
206.197	Ø 5 mm X 20 cm
206.198	Ø 5 mm X 25 cm
206.199	Ø 5 mm X 30 cm
206.200	Ø 5 mm X 35 cm
206.201	Ø 6 mm X 15 cm
206.202	Ø 6 mm X 20 cm
206.203	Ø 6 mm X 25 cm
206.204	Ø 6 mm X 30 cm
206.205	Ø 6 mm X 35 cm

GENERAL SUCTION CANNULAS



Luer lock

Luer lock
(Stainless Steel)

Ultra Luer lock

Treaded

60cc Tommey hub

Power Cannula



Six Spiral Port (Adjust below 3 Spiral Ports)

Six port spiral configuration on this Cell Friendly liposuction cannula harvests maximum tissue volume in minimal time.

60ccsmarthub

201.91	Ø 2.5 mm X 15 cm
201.92	Ø 2.5 mm X 20 cm
201.93	Ø 3.0 mm X 15 cm
201.94	Ø 3.0 mm X 25 cm
201.95	Ø 4.0 mm X 25 cm

Luer lock (Stainless Steel)

205.231	Ø 2.5 mm X 15 cm
205.232	Ø 3.0 mm X 15 cm
205.233	Ø 3.0 mm X 25 cm
205.234	Ø 4.0 mm X 15 cm
205.235	Ø 4.0 mm X 25 cm

Treaded Hub

202.81	Ø 3.0 mm X 15 cm
202.82	Ø 3.0 mm X 25 cm
202.83	Ø 4.0 mm X 15 cm
202.84	Ø 4.0 mm X 25 cm

Power Cannula

206.901	2mm OD X 15 cm
206.902	2mm OD X 20 cm
206.903	2mm OD X 25 cm
206.904	2mm OD X 30 cm
206.905	2mm OD X 35 cm
206.906	3mm OD X 15 cm
206.907	3mm OD X 20 cm
206.908	3mm OD X 25 cm
206.909	3mm OD X 30 cm
206.910	3mm OD X 35 cm
206.911	4mm OD X 15 cm
206.912	4mm OD X 20 cm
206.913	4mm OD X 25 cm
206.914	4mm OD X 30 cm
206.915	4mm OD X 35 cm
206.916	5mm OD X 15 cm
206.917	5mm OD X 20 cm
206.918	5mm OD X 25 cm
206.919	5mm OD X 30 cm
206.920	5mm OD X 35 cm
206.921	6mm OD X 15 cm
206.922	6mm OD X 20 cm
206.923	6mm OD X 25 cm
206.924	6mm OD X 30 cm
206.925	6mm OD X 35 cm

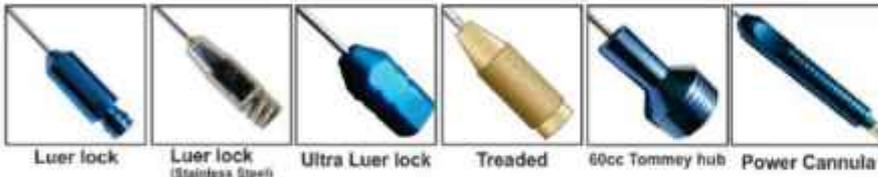
Ultra Luer lock

203.81	Ø 2.5 mm X 15 cm
203.82	Ø 3.0 mm X 15 cm
203.83	Ø 3.0 mm X 25 cm
203.84	Ø 4.0 mm X 15 cm
203.85	Ø 4.0 mm X 25 cm

Luer lock

204.91	Ø 2.5 mm X 15 cm
204.92	Ø 3.0 mm X 15 cm
204.93	Ø 3.0 mm X 25 cm
204.94	Ø 4.0 mm X 15 cm
204.95	Ø 4.0 mm X 25 cm

GENERAL SUCTION CANNULAS



Luer lock

Luer lock
(Stainless Steel)

Ultra Luer lock

Treaded

60cc Tommey hub

Power Cannula

Three Port Cannula

This body sculpting instrument is excellent for harvesting small aliquots of tissue during liposuction procedures.

60cc Tommeyhub

201.71	Ø 2.5 mm X 15 cm
201.72	Ø 2.5 mm X 20 cm
201.73	Ø 3.0 mm X 15 cm
201.74	Ø 3.0 mm X 20 cm
201.75	Ø 3.0 mm X 25 cm
201.76	Ø 4.0 mm X 25 cm
201.77	Ø 4.0 mm X 30 cm
201.78	Ø 4.0 mm X 35 cm
201.79	Ø 4.5 mm X 30 cm
201.80	Ø 4.5 mm X 35 cm

Luer lock (Stainless Steel)

205.81	Ø 1.5 mm X 12 cm
205.82	Ø 2.0 mm X 15 cm
205.83	Ø 2.0 mm X 20 cm
205.84	Ø 2.5 mm X 15 cm
205.85	Ø 2.5 mm X 20 cm
205.86	Ø 3.0 mm X 15 cm
205.87	Ø 3.0 mm X 20 cm
205.88	Ø 3.0 mm X 25 cm

Treaded Hub

202.71	Ø 3.0 mm X 15 cm
202.72	Ø 3.0 mm X 25 cm
202.73	Ø 4.0 mm X 15 cm
202.74	Ø 4.0 mm X 25 cm

Ultra Luer lock

203.71	Ø 1.5 mm X 12 cm
203.72	Ø 2.0 mm X 15 cm
203.73	Ø 2.5 mm X 15 cm
203.74	Ø 2.5 mm X 20 cm
203.75	Ø 3.0 mm X 15 cm
203.76	Ø 3.0 mm X 20 cm
203.77	Ø 3.0 mm X 25 cm

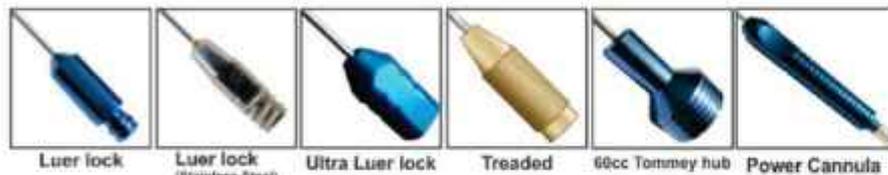
Luer lock

204.81	Ø 1.5 mm X 12 cm
204.82	Ø 2.0 mm X 15 cm
204.83	Ø 2.5 mm X 15 cm
204.84	Ø 2.5 mm X 20 cm
204.85	Ø 3.0 mm X 15 cm
204.86	Ø 3.0 mm X 20 cm
204.87	Ø 3.0 mm X 25 cm

Power Cannula

206.211	Ø 2 mm X 15 cm
206.212	Ø 2 mm X 20 cm
206.213	Ø 2 mm X 25 cm
206.214	Ø 2 mm X 30 cm
206.215	Ø 2 mm X 35 cm
206.216	Ø 3 mm X 15 cm
206.217	Ø 3 mm X 20 cm
206.218	Ø 3 mm X 25 cm
206.219	Ø 3 mm X 30 cm
206.220	Ø 3 mm X 35 cm
206.221	Ø 4 mm X 15 cm
206.222	Ø 4 mm X 20 cm
206.223	Ø 4 mm X 25 cm
206.224	Ø 4 mm X 30 cm
206.225	Ø 4 mm X 35 cm
206.226	Ø 5 mm X 15 cm
206.227	Ø 5 mm X 20 cm
206.228	Ø 5 mm X 25 cm
206.229	Ø 5 mm X 30 cm
206.230	Ø 5 mm X 35 cm
206.231	Ø 6 mm X 15 cm
206.232	Ø 6 mm X 20 cm
206.233	Ø 6 mm X 25 cm
206.234	Ø 6 mm X 30 cm
206.235	Ø 6 mm X 35 cm

GENERAL SUCTION CANNULAS



Basket Shaped Cannula

The Cell Friendly Basket Cannula is a versatile liposculpting tool. It can operate as an equalizer without vacuum to treat adipose tissue and skin irregularities in revision liposuction and fat transfer procedures. The Basket Cannula is also adept under vacuum as a fat harvesting cannula. For finishing, this cannula can be used as an injector for equalizing and adding adipose tissue to sculpt smoother contours.

60cc Tommeyhub

201.81	Ø 3.0 mm X 15 cm
201.82	Ø 3.0 mm X 20 cm
201.83	Ø 3.0 mm X 25 cm
201.84	Ø 4.0 mm X 25 cm
201.85	Ø 4.0 mm X 30 cm
201.86	Ø 4.0 mm X 35 cm



Hole on Tip-Style I

Power Cannula

206.251	Ø 2 mm X 15 cm	206.260	Ø 3 mm X 35 cm	206.268	Ø 5 mm X 25 cm
206.252	Ø 2 mm X 20 cm	206.261	Ø 4 mm X 15 cm	206.269	Ø 5 mm X 30 cm
206.253	Ø 2 mm X 25 cm	206.262	Ø 4 mm X 20 cm	206.270	Ø 5 mm X 35 cm
206.254	Ø 2 mm X 30 cm	206.263	Ø 4 mm X 25 cm	206.271	Ø 6 mm X 15 cm
206.255	Ø 2 mm X 35 cm	206.264	Ø 4 mm X 30 cm	206.272	Ø 6 mm X 20 cm
206.256	Ø 3 mm X 15 cm	206.265	Ø 4 mm X 35 cm	206.273	Ø 6 mm X 25 cm
206.257	Ø 3 mm X 20 cm	206.266	Ø 5 mm X 15 cm	206.274	Ø 6 mm X 30 cm
206.258	Ø 3 mm X 25 cm	206.267	Ø 5 mm X 20 cm	206.275	Ø 6 mm X 35 cm
206.259	Ø 3 mm X 30 cm				

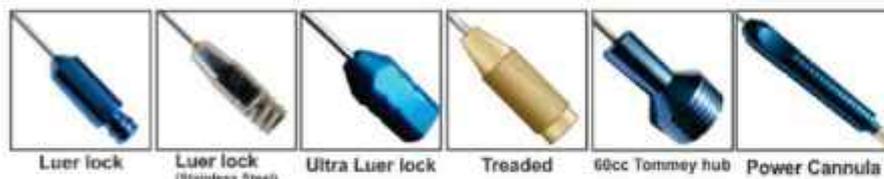


Holeontip-StyleII

Power Cannula

206.281	Ø 2 mm X 15 cm	206.290	Ø 3 mm X 35 cm	206.298	Ø 5 mm X 25 cm
206.282	Ø 2 mm X 20 cm	206.291	Ø 4 mm X 15 cm	206.299	Ø 5 mm X 30 cm
206.283	Ø 2 mm X 25 cm	206.292	Ø 4 mm X 20 cm	206.300	Ø 5 mm X 35 cm
206.284	Ø 2 mm X 30 cm	206.293	Ø 4 mm X 25 cm	206.301	Ø 6 mm X 15 cm
206.285	Ø 2 mm X 35 cm	206.294	Ø 4 mm X 30 cm	206.302	Ø 6 mm X 20 cm
206.286	Ø 3 mm X 15 cm	206.295	Ø 4 mm X 35 cm	206.303	Ø 6 mm X 25 cm
206.287	Ø 3 mm X 20 cm	206.296	Ø 5 mm X 15 cm	206.304	Ø 6 mm X 30 cm
206.288	Ø 3 mm X 25 cm	206.297	Ø 5 mm X 20 cm	206.305	Ø 6 mm X 35 cm
206.289	Ø 3 mm X 30 cm				

GENERAL SUCTION CANNULAS



Deep Sharp Cut Dissector

Power Cannula

206.311	Ø 2 mm X 15 cm	206.320	Ø 3 mm X 35 cm	206.328	Ø 5 mm X 25 cm
206.312	Ø 2 mm X 20 cm	206.321	Ø 4 mm X 15 cm	206.329	Ø 5 mm X 30 cm
206.313	Ø 2 mm X 25 cm	206.322	Ø 4 mm X 20 cm	206.330	Ø 5 mm X 35 cm
206.314	Ø 2 mm X 30 cm	206.323	Ø 4 mm X 25 cm	206.331	Ø 6 mm X 15 cm
206.315	Ø 2 mm X 35 cm	206.324	Ø 4 mm X 30 cm	206.332	Ø 6 mm X 20 cm
206.316	Ø 3 mm X 15 cm	206.325	Ø 4 mm X 35 cm	206.333	Ø 6 mm X 25 cm
206.317	Ø 3 mm X 20 cm	206.326	Ø 5 mm X 15 cm	206.334	Ø 6 mm X 30 cm
206.318	Ø 3 mm X 25 cm	206.327	Ø 5 mm X 20 cm	206.335	Ø 6 mm X 35 cm
206.319	Ø 3 mm X 30 cm				



Bi-Port Cannula

Luer lock (Stainless Steel)

	10cm	15cm	20cm	25cm
2.0 Ø	205.91	205.101	205.111	205.121
2.5 Ø	205.92	205.102	205.112	205.122
3.0 Ø	205.93	205.103	205.113	205.123
3.5 Ø	205.94	205.104	205.114	205.124
4.0 Ø	205.95	205.105	205.115	205.125

Power Cannula

206.351	Ø 2 mm X 15 cm	206.360	Ø 3 mm X 35 cm	206.368	Ø 5 mm X 25 cm
206.352	Ø 2 mm X 20 cm	206.361	Ø 4 mm X 15 cm	206.369	Ø 5 mm X 30 cm
206.353	Ø 2 mm X 25 cm	206.362	Ø 4 mm X 20 cm	206.370	Ø 5 mm X 35 cm
206.354	Ø 2 mm X 30 cm	206.363	Ø 4 mm X 25 cm	206.371	Ø 6 mm X 15 cm
206.355	Ø 2 mm X 35 cm	206.364	Ø 4 mm X 30 cm	206.372	Ø 6 mm X 20 cm
206.356	Ø 3 mm X 15 cm	206.365	Ø 4 mm X 35 cm	206.373	Ø 6 mm X 25 cm
206.357	Ø 3 mm X 20 cm	206.366	Ø 5 mm X 15 cm	206.374	Ø 6 mm X 30 cm
206.358	Ø 3 mm X 25 cm	206.367	Ø 5 mm X 20 cm	206.375	Ø 6 mm X 35 cm
206.359	Ø 3 mm X 30 cm				

GENERAL SUCTION CANNULAS



Tapered Tip Single Central Hole

Power Cannula

206.391	Ø 2 mm X 15 cm	206.400	Ø 3 mm X 35 cm	206.408	Ø 5 mm X 25 cm
206.392	Ø 2 mm X 20 cm	206.401	Ø 4 mm X 15 cm	206.409	Ø 5 mm X 30 cm
206.393	Ø 2 mm X 25 cm	206.402	Ø 4 mm X 20 cm	206.410	Ø 5 mm X 35 cm
206.394	Ø 2 mm X 30 cm	206.403	Ø 4 mm X 25 cm	206.411	Ø 6 mm X 15 cm
206.395	Ø 2 mm X 35 cm	206.404	Ø 4 mm X 30 cm	206.412	Ø 6 mm X 20 cm
206.396	Ø 3 mm X 15 cm	206.405	Ø 4 mm X 35 cm	206.413	Ø 6 mm X 25 cm
206.397	Ø 3 mm X 20 cm	206.406	Ø 5 mm X 15 cm	206.414	Ø 6 mm X 30 cm
206.398	Ø 3 mm X 25 cm	206.407	Ø 5 mm X 20 cm	206.415	Ø 6 mm X 35 cm
206.399	Ø 3 mm X 30 cm				



Taperd Tip Two Spiral Holes

Power Cannula

206.431	Ø 2 mm X 15 cm	206.440	Ø 3 mm X 35 cm	206.448	Ø 5 mm X 25 cm
206.432	Ø 2 mm X 20 cm	206.441	Ø 4 mm X 15 cm	206.449	Ø 5 mm X 30 cm
206.433	Ø 2 mm X 25 cm	206.442	Ø 4 mm X 20 cm	206.450	Ø 5 mm X 35 cm
206.434	Ø 2 mm X 30 cm	206.443	Ø 4 mm X 25 cm	206.451	Ø 6 mm X 15 cm
206.435	Ø 2 mm X 35 cm	206.444	Ø 4 mm X 30 cm	206.452	Ø 6 mm X 20 cm
206.436	Ø 3 mm X 15 cm	206.445	Ø 4 mm X 35 cm	206.453	Ø 6 mm X 25 cm
206.437	Ø 3 mm X 20 cm	206.446	Ø 5 mm X 15 cm	206.454	Ø 6 mm X 30 cm
206.438	Ø 3 mm X 25 cm	206.447	Ø 5 mm X 20 cm	206.455	Ø 6 mm X 35 cm
206.439	Ø 3 mm X 30 cm				

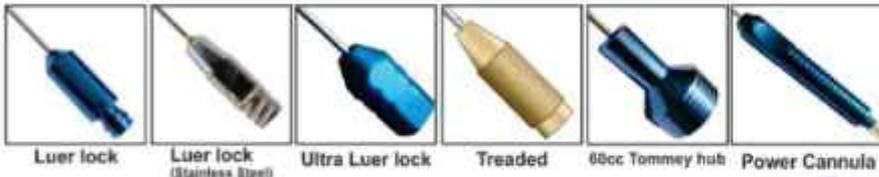


Fig. 3F

Power Cannula

206.471	Ø 2 mm X 15 cm	206.480	Ø 3 mm X 35 cm	206.488	Ø 5 mm X 25 cm
206.472	Ø 2 mm X 20 cm	206.481	Ø 4 mm X 15 cm	206.489	Ø 5 mm X 30 cm
206.473	Ø 2 mm X 25 cm	206.482	Ø 4 mm X 20 cm	206.490	Ø 5 mm X 35 cm
206.474	Ø 2 mm X 30 cm	206.483	Ø 4 mm X 25 cm	206.491	Ø 6 mm X 15 cm
206.475	Ø 2 mm X 35 cm	206.484	Ø 4 mm X 30 cm	206.492	Ø 6 mm X 20 cm
206.476	Ø 3 mm X 15 cm	206.485	Ø 4 mm X 35 cm	206.493	Ø 6 mm X 25 cm
206.477	Ø 3 mm X 20 cm	206.486	Ø 5 mm X 15 cm	206.494	Ø 6 mm X 30 cm
206.478	Ø 3 mm X 25 cm	206.487	Ø 5 mm X 20 cm	206.495	Ø 6 mm X 35 cm
206.479	Ø 3 mm X 30 cm				

GENERAL SUCTION CANNULAS



One Central Port-Two Parallel Ports

Power Cannula

206.591	Ø 2 mm X 15 cm	206.600	Ø 3 mm X 35 cm	206.608	Ø 5 mm X 25 cm
206.592	Ø 2 mm X 20 cm	206.601	Ø 4 mm X 15 cm	206.609	Ø 5 mm X 30 cm
206.593	Ø 2 mm X 25 cm	206.602	Ø 4 mm X 20 cm	206.610	Ø 5 mm X 35 cm
206.594	Ø 2 mm X 30 cm	206.603	Ø 4 mm X 25 cm	206.611	Ø 6 mm X 15 cm
206.595	Ø 2 mm X 35 cm	206.604	Ø 4 mm X 30 cm	206.612	Ø 6 mm X 20 cm
206.596	Ø 3 mm X 15 cm	206.605	Ø 4 mm X 35 cm	206.613	Ø 6 mm X 25 cm
206.597	Ø 3 mm X 20 cm	206.606	Ø 5 mm X 15 cm	206.614	Ø 6 mm X 30 cm
206.598	Ø 3 mm X 25 cm	206.607	Ø 5 mm X 20 cm	206.615	Ø 6 mm X 35 cm
206.599	Ø 3 mm X 30 cm				



Two Parallel Port- One Central Port

Power Cannula

206.651	Ø 2 mm X 15 cm	206.660	Ø 3 mm X 35 cm	206.668	Ø 5 mm X 25 cm
206.652	Ø 2 mm X 20 cm	206.661	Ø 4 mm X 15 cm	206.669	Ø 5 mm X 30 cm
206.653	Ø 2 mm X 25 cm	206.662	Ø 4 mm X 20 cm	206.670	Ø 5 mm X 35 cm
206.654	Ø 2 mm X 30 cm	206.663	Ø 4 mm X 25 cm	206.671	Ø 6 mm X 15 cm
206.655	Ø 2 mm X 35 cm	206.664	Ø 4 mm X 30 cm	206.672	Ø 6 mm X 20 cm
206.656	Ø 3 mm X 15 cm	206.665	Ø 4 mm X 35 cm	206.673	Ø 6 mm X 25 cm
206.657	Ø 3 mm X 20 cm	206.666	Ø 5 mm X 15 cm	206.674	Ø 6 mm X 30 cm
206.658	Ø 3 mm X 25 cm	206.667	Ø 5 mm X 20 cm	206.675	Ø 6 mm X 35 cm
206.659	Ø 3 mm X 30 cm				

GENERAL SUCTION CANNULAS



Fig. 3Me

Luer lock (Stainless Steel)					
	7cm	10cm	15cm	20cm	25cm
2.0 Ø	205.181	205.191	205.201	205.211	205.221
2.5 Ø	205.182	205.192	205.202	205.212	205.222
3.0 Ø	205.183	205.193	205.203	205.213	205.223
3.5 Ø	205.184	205.194	205.204	205.214	205.224
4.0 Ø	205.185	205.195	205.205	205.215	205.225

Power Cannula					
206.681	Ø 2 mm X 15 cm	206.690	Ø 3 mm X 35 cm	206.698	Ø 5 mm X 25 cm
206.682	Ø 2 mm X 20 cm	206.691	Ø 4 mm X 15 cm	206.699	Ø 5 mm X 30 cm
206.683	Ø 2 mm X 25 cm	206.692	Ø 4 mm X 20 cm	206.700	Ø 5 mm X 35 cm
206.684	Ø 2 mm X 30 cm	206.693	Ø 4 mm X 25 cm	206.701	Ø 6 mm X 15 cm
206.685	Ø 2 mm X 35 cm	206.694	Ø 4 mm X 30 cm	206.702	Ø 6 mm X 20 cm
206.686	Ø 3 mm X 15 cm	206.695	Ø 4 mm X 35 cm	206.703	Ø 6 mm X 25 cm
206.687	Ø 3 mm X 20 cm	206.696	Ø 5 mm X 15 cm	206.704	Ø 6 mm X 30 cm
206.688	Ø 3 mm X 25 cm	206.697	Ø 5 mm X 20 cm	206.705	Ø 6 mm X 35 cm
206.689	Ø 3 mm X 30 cm				

Fig. 3Hr

Power Cannula					
206.721	Ø 2 mm X 15 cm	206.730	Ø 3 mm X 35 cm	206.738	Ø 5 mm X 25 cm
206.722	Ø 2 mm X 20 cm	206.731	Ø 4 mm X 15 cm	206.739	Ø 5 mm X 30 cm
206.723	Ø 2 mm X 25 cm	206.732	Ø 4 mm X 20 cm	206.740	Ø 5 mm X 35 cm
206.724	Ø 2 mm X 30 cm	206.733	Ø 4 mm X 25 cm	206.741	Ø 6 mm X 15 cm
206.725	Ø 2 mm X 35 cm	206.734	Ø 4 mm X 30 cm	206.742	Ø 6 mm X 20 cm
206.726	Ø 3 mm X 15 cm	206.735	Ø 4 mm X 35 cm	206.743	Ø 6 mm X 25 cm
206.727	Ø 3 mm X 20 cm	206.736	Ø 5 mm X 15 cm	206.744	Ø 6 mm X 30 cm
206.728	Ø 3 mm X 25 cm	206.737	Ø 5 mm X 20 cm	206.745	Ø 6 mm X 35 cm
206.729	Ø 3 mm X 30 cm				

Fig. Riz

Power Cannula					
206.751	Ø 2 mm X 15 cm	206.760	Ø 3 mm X 35 cm	206.768	Ø 5 mm X 25 cm
206.752	Ø 2 mm X 20 cm	206.761	Ø 4 mm X 15 cm	206.769	Ø 5 mm X 30 cm
206.753	Ø 2 mm X 25 cm	206.762	Ø 4 mm X 20 cm	206.770	Ø 5 mm X 35 cm
206.754	Ø 2 mm X 30 cm	206.763	Ø 4 mm X 25 cm	206.771	Ø 6 mm X 15 cm
206.755	Ø 2 mm X 35 cm	206.764	Ø 4 mm X 30 cm	206.772	Ø 6 mm X 20 cm
206.756	Ø 3 mm X 15 cm	206.765	Ø 4 mm X 35 cm	206.773	Ø 6 mm X 25 cm
206.757	Ø 3 mm X 20 cm	206.766	Ø 5 mm X 15 cm	206.774	Ø 6 mm X 30 cm
206.758	Ø 3 mm X 25 cm	206.767	Ø 5 mm X 20 cm	206.775	Ø 6 mm X 35 cm
206.759	Ø 3 mm X 30 cm				

GENERAL SUCTION CANNULAS

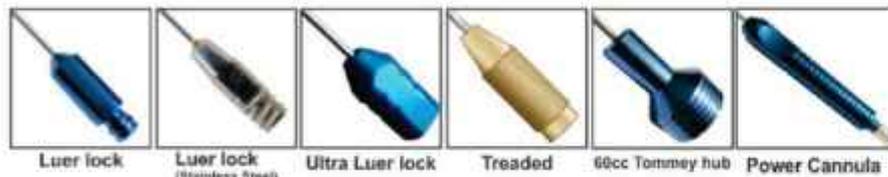


Fig. 5Ai

Power Cannula

206.721	Ø 2 mm X 15 cm	206.730	Ø 3 mm X 35 cm	206.738	Ø 5 mm X 25 cm
206.722	Ø 2 mm X 20 cm	206.731	Ø 4 mm X 15 cm	206.739	Ø 5 mm X 30 cm
206.723	Ø 2 mm X 25 cm	206.732	Ø 4 mm X 20 cm	206.740	Ø 5 mm X 35 cm
206.724	Ø 2 mm X 30 cm	206.733	Ø 4 mm X 25 cm	206.741	Ø 6 mm X 15 cm
206.725	Ø 2 mm X 35 cm	206.734	Ø 4 mm X 30 cm	206.742	Ø 6 mm X 20 cm
206.726	Ø 3 mm X 15 cm	206.735	Ø 4 mm X 35 cm	206.743	Ø 6 mm X 25 cm
206.727	Ø 3 mm X 20 cm	206.736	Ø 5 mm X 15 cm	206.744	Ø 6 mm X 30 cm
206.728	Ø 3 mm X 25 cm	206.737	Ø 5 mm X 20 cm	206.745	Ø 6 mm X 35 cm
206.729	Ø 3 mm X 30 cm				



Fig. Mr

Power Cannula

206.751	Ø 2 mm X 15 cm	206.760	Ø 3 mm X 35 cm	206.768	Ø 5 mm X 25 cm
206.752	Ø 2 mm X 20 cm	206.761	Ø 4 mm X 15 cm	206.769	Ø 5 mm X 30 cm
206.753	Ø 2 mm X 25 cm	206.762	Ø 4 mm X 20 cm	206.770	Ø 5 mm X 35 cm
206.754	Ø 2 mm X 30 cm	206.763	Ø 4 mm X 25 cm	206.771	Ø 6 mm X 15 cm
206.755	Ø 2 mm X 35 cm	206.764	Ø 4 mm X 30 cm	206.772	Ø 6 mm X 20 cm
206.756	Ø 3 mm X 15 cm	206.765	Ø 4 mm X 35 cm	206.773	Ø 6 mm X 25 cm
206.757	Ø 3 mm X 20 cm	206.766	Ø 5 mm X 15 cm	206.774	Ø 6 mm X 30 cm
206.758	Ø 3 mm X 25 cm	206.767	Ø 5 mm X 20 cm	206.775	Ø 6 mm X 35 cm
206.759	Ø 3 mm X 30 cm				



Fig. P3G

Power Cannula

206.791	Ø 2 mm X 15 cm	206.800	Ø 3 mm X 35 cm	206.808	Ø 5 mm X 25 cm
206.792	Ø 2 mm X 20 cm	206.801	Ø 4 mm X 15 cm	206.809	Ø 5 mm X 30 cm
206.793	Ø 2 mm X 25 cm	206.802	Ø 4 mm X 20 cm	206.810	Ø 5 mm X 35 cm
206.794	Ø 2 mm X 30 cm	206.803	Ø 4 mm X 25 cm	206.811	Ø 6 mm X 15 cm
206.795	Ø 2 mm X 35 cm	206.804	Ø 4 mm X 30 cm	206.812	Ø 6 mm X 20 cm
206.796	Ø 3 mm X 15 cm	206.805	Ø 4 mm X 35 cm	206.813	Ø 6 mm X 25 cm
206.797	Ø 3 mm X 20 cm	206.806	Ø 5 mm X 15 cm	206.814	Ø 6 mm X 30 cm
206.798	Ø 3 mm X 25 cm	206.807	Ø 5 mm X 20 cm	206.815	Ø 6 mm X 35 cm
206.799	Ø 3 mm X 30 cm				

GENERAL SUCTION CANNULAS

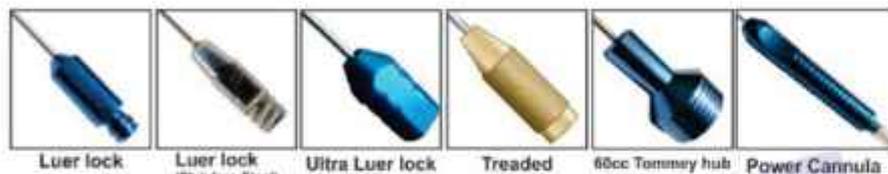


Fig.Py

Power Cannula

206.831	Ø 2 mm X 15 cm	206.840	Ø 3 mm X 35 cm	206.848	Ø 5 mm X 25 cm
206.832	Ø 2 mm X 20 cm	206.841	Ø 4 mm X 15 cm	206.849	Ø 5 mm X 30 cm
206.833	Ø 2 mm X 25 cm	206.842	Ø 4 mm X 20 cm	206.850	Ø 5 mm X 35 cm
206.834	Ø 2 mm X 30 cm	206.843	Ø 4 mm X 25 cm	206.851	Ø 6 mm X 15 cm
206.835	Ø 2 mm X 35 cm	206.844	Ø 4 mm X 30 cm	206.852	Ø 6 mm X 20 cm
206.836	Ø 3 mm X 15 cm	206.845	Ø 4 mm X 35 cm	206.853	Ø 6 mm X 25 cm
206.837	Ø 3 mm X 20 cm	206.846	Ø 5 mm X 15 cm	206.854	Ø 6 mm X 30 cm
206.838	Ø 3 mm X 25 cm	206.847	Ø 5 mm X 20 cm	206.855	Ø 6 mm X 35 cm
206.839	Ø 3 mm X 30 cm				



Fig.Le

Power Cannula

206.861	Ø 2 mm X 15 cm	206.870	Ø 3 mm X 35 cm	206.878	Ø 5 mm X 25 cm
206.862	Ø 2 mm X 20 cm	206.871	Ø 4 mm X 15 cm	206.879	Ø 5 mm X 30 cm
206.863	Ø 2 mm X 25 cm	206.872	Ø 4 mm X 20 cm	206.880	Ø 5 mm X 35 cm
206.864	Ø 2 mm X 30 cm	206.873	Ø 4 mm X 25 cm	206.881	Ø 6 mm X 15 cm
206.865	Ø 2 mm X 35 cm	206.874	Ø 4 mm X 30 cm	206.882	Ø 6 mm X 20 cm
206.866	Ø 3 mm X 15 cm	206.875	Ø 4 mm X 35 cm	206.883	Ø 6 mm X 25 cm
206.867	Ø 3 mm X 20 cm	206.876	Ø 5 mm X 15 cm	206.884	Ø 6 mm X 30 cm
206.868	Ø 3 mm X 25 cm	206.877	Ø 5 mm X 20 cm	206.885	Ø 6 mm X 35 cm
206.869	Ø 3 mm X 30 cm				



Harvester Cannulas

Fat Harvesting for Re-grafting is a delicate difficult and time consuming process. Specifically designed Harvesting Cannulas will help you to achieve this goal in super efficient way.
Micro fat Harvesting - Cannulas.

HARVESTER CANNULAS



Multiport Speed Harvester- Both End Sharp

A multiport harvester with elevated 1mm microports which yield small enough aliquots of fat tissue to allow for easy and smooth injection with the Tulip 0.7, 0.9 and 1.2mm injectors.

60cc Tommeyhub

301.01	Ø 2.5 mm X 15 cm
301.02	Ø 2.5 mm X 20 cm
301.03	Ø 3.0 mm X 15 cm
301.04	Ø 3.0 mm X 20 cm
301.05	Ø 3.0 mm X 25 cm
301.06	Ø 4.0 mm X 25 cm
301.07	Ø 4.0 mm X 30 cm
301.08	Ø 4.0 mm X 35 cm
301.09	Ø 4.5 mm X 30 cm
301.10	Ø 4.5 mm X 35 cm

Treaded Hub

302.01	Ø 3.0 mm X 15 cm
302.02	Ø 3.0 mm X 25 cm
302.03	Ø 4.0 mm X 15 cm
302.04	Ø 4.0 mm X 25 cm

Ultra Luer lock

303.01	Ø 2.0 mm X 15 cm
303.02	Ø 2.5 mm X 15 cm
303.03	Ø 2.5 mm X 20 cm
303.04	Ø 3.0 mm X 15 cm
303.05	Ø 3.0 mm X 20 cm
303.06	Ø 3.0 mm X 25 cm

Luer lock

304.01	Ø 2.0 mm X 15 cm
304.02	Ø 2.5 mm X 15 cm
304.03	Ø 2.5 mm X 20 cm
304.04	Ø 3.0 mm X 15 cm
304.05	Ø 3.0 mm X 20 cm
304.06	Ø 3.0 mm X 25 cm

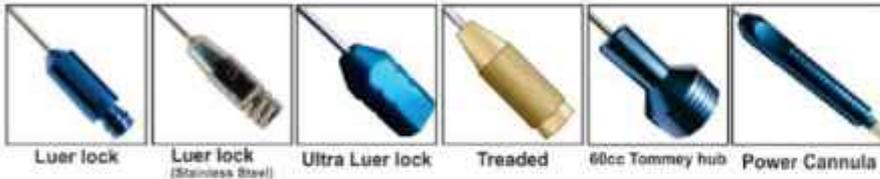
Luer lock (Stainless Steel)

305.01	Ø 2.0 mm X 15 cm
305.02	Ø 2.5 mm X 15 cm
305.03	Ø 2.5 mm X 20 cm
305.04	Ø 3.0 mm X 15 cm
305.05	Ø 3.0 mm X 20 cm
305.06	Ø 3.0 mm X 25 cm

Power Cannula

306.01	Ø 2 mm X 15 cm
306.02	Ø 2 mm X 20 cm
306.03	Ø 2 mm X 25 cm
306.04	Ø 2 mm X 30 cm
306.05	Ø 2 mm X 35 cm
306.06	Ø 3 mm X 15 cm
306.07	Ø 3 mm X 20 cm
306.08	Ø 3 mm X 25 cm
306.09	Ø 3 mm X 30 cm
306.10	Ø 3 mm X 35 cm
306.11	Ø 4 mm X 15 cm
306.12	Ø 4 mm X 20 cm
306.13	Ø 4 mm X 25 cm
306.14	Ø 4 mm X 30 cm
306.15	Ø 4 mm X 35 cm
306.16	Ø 5 mm X 15 cm
306.17	Ø 5 mm X 20 cm
306.18	Ø 5 mm X 25 cm
306.19	Ø 5 mm X 30 cm
306.20	Ø 5 mm X 35 cm
306.21	Ø 6 mm X 15 cm
306.22	Ø 6 mm X 20 cm
306.23	Ø 6 mm X 25 cm
306.24	Ø 6 mm X 30 cm
306.25	Ø 6 mm X 35 cm

HARVESTER CANNULAS



Multiport Speed Harvester- One End Sharp

A multiport harvester with elevated 1mm microports which yield small enough aliquots of fat tissue to allow for easy and smooth injection with the Tulip 0.7, 0.9 and 1.2mm injectors.

60ccTommeYhub

301.11	Ø 2.5 mm X 15 cm
301.12	Ø 2.5 mm X 20 cm
301.13	Ø 3.0 mm X 15 cm
301.14	Ø 3.0 mm X 20 cm
301.15	Ø 3.0 mm X 25 cm
301.16	Ø 4.0 mm X 25 cm
301.17	Ø 4.0 mm X 30 cm
301.18	Ø 4.0 mm X 35 cm
301.19	Ø 4.5 mm X 30 cm
301.20	Ø 4.5 mm X 35 cm

Treaded Hub

302.11	Ø 3.0 mm X 15 cm
302.12	Ø 3.0 mm X 25 cm
302.13	Ø 4.0 mm X 15 cm
302.14	Ø 4.0 mm X 25 cm

Ultra Luer lock

303.11	Ø 2.0 mm X 15 cm
303.12	Ø 2.5 mm X 15 cm
303.13	Ø 2.5 mm X 20 cm
303.14	Ø 3.0 mm X 15 cm
303.15	Ø 3.0 mm X 20 cm
303.16	Ø 3.0 mm X 25 cm

Luer lock

304.11	Ø 2.0 mm X 15 cm
304.12	Ø 2.5 mm X 15 cm
304.13	Ø 2.5 mm X 20 cm
304.14	Ø 3.0 mm X 15 cm
304.15	Ø 3.0 mm X 20 cm
304.16	Ø 3.0 mm X 25 cm

Luer lock (Stainless Steel)

305.11	Ø 2.0 mm X 15 cm
305.12	Ø 2.5 mm X 15 cm
305.13	Ø 2.5 mm X 20 cm
305.14	Ø 3.0 mm X 15 cm
305.15	Ø 3.0 mm X 20 cm
305.16	Ø 3.0 mm X 25 cm

Power Cannula

306.11	Ø 2 mm X 15 cm
306.12	Ø 2 mm X 20 cm
306.13	Ø 2 mm X 25 cm
306.14	Ø 2 mm X 30 cm
306.15	Ø 2 mm X 35 cm
306.16	Ø 3 mm X 15 cm
306.17	Ø 3 mm X 20 cm
306.18	Ø 3 mm X 25 cm
306.19	Ø 3 mm X 30 cm
306.20	Ø 3 mm X 35 cm
306.21	Ø 4 mm X 15 cm
306.22	Ø 4 mm X 20 cm
306.23	Ø 4 mm X 25 cm
306.24	Ø 4 mm X 30 cm
306.25	Ø 4 mm X 35 cm
306.26	Ø 5 mm X 15 cm
306.27	Ø 5 mm X 20 cm
306.28	Ø 5 mm X 25 cm
306.29	Ø 5 mm X 30 cm
306.30	Ø 5 mm X 35 cm
306.31	Ø 6 mm X 15 cm
306.32	Ø 6 mm X 20 cm
306.33	Ø 6 mm X 25 cm
306.34	Ø 6 mm X 30 cm
306.35	Ø 6 mm X 35 cm

HARVESTER CANNULAS



Multi Port Harvester - Both End Bevel

A sophisticated, precision-designed harvester that is truly Patient Friendly. The ports in the Sorensen Harvester are machined with alternating 60 degree cutting edges. This unique design is less traumatic than other multi-port harvesters and delivers a fine-grained, high fat content/purity yield that can easily pass through 1.2mm, 0.9mm and 0.7mm blunt injectors.

60ccTommyhub

301.21	Ø 2.5 mm X 15 cm
301.22	Ø 2.5 mm X 20 cm
301.23	Ø 3.0 mm X 15 cm
301.24	Ø 3.0 mm X 20 cm
301.25	Ø 3.0 mm X 25 cm
301.26	Ø 4.0 mm X 25 cm
301.27	Ø 4.0 mm X 30 cm
301.28	Ø 4.0 mm X 35 cm
301.29	Ø 4.5 mm X 30 cm
301.30	Ø 4.5 mm X 35 cm

Treaded Hub

302.21	Ø 3.0 mm X 15 cm
302.22	Ø 3.0 mm X 25 cm
302.23	Ø 4.0 mm X 15 cm
302.24	Ø 4.0 mm X 25 cm

Ultra Luer lock

303.21	Ø 2.0 mm X 15 cm
303.22	Ø 2.5 mm X 15 cm
303.23	Ø 2.5 mm X 20 cm
303.24	Ø 3.0 mm X 15 cm
303.25	Ø 3.0 mm X 20 cm
303.26	Ø 3.0 mm X 25 cm

Luer lock

304.21	Ø 2.0 mm X 15 cm
304.22	Ø 2.5 mm X 15 cm
304.23	Ø 2.5 mm X 20 cm
304.24	Ø 3.0 mm X 15 cm
304.25	Ø 3.0 mm X 20 cm
304.26	Ø 3.0 mm X 25 cm

Luer lock (Stainless Steel)

305.21	Ø 2.0 mm X 15 cm
305.22	Ø 2.5 mm X 15 cm
305.23	Ø 2.5 mm X 20 cm
305.24	Ø 3.0 mm X 15 cm
305.25	Ø 3.0 mm X 20 cm
305.26	Ø 3.0 mm X 25 cm

Power Cannula

306.21	Ø 2 mm X 15 cm
306.22	Ø 2 mm X 20 cm
306.23	Ø 2 mm X 25 cm
306.24	Ø 2 mm X 30 cm
306.25	Ø 2 mm X 35 cm
306.26	Ø 3 mm X 15 cm
306.27	Ø 3 mm X 20 cm
306.28	Ø 3 mm X 25 cm
306.29	Ø 3 mm X 30 cm
306.30	Ø 3 mm X 35 cm
306.31	Ø 4 mm X 15 cm
306.32	Ø 4 mm X 20 cm
306.33	Ø 4 mm X 25 cm
306.34	Ø 4 mm X 30 cm
306.35	Ø 4 mm X 35 cm
306.36	Ø 5 mm X 15 cm
306.37	Ø 5 mm X 20 cm
306.38	Ø 5 mm X 25 cm
306.39	Ø 5 mm X 30 cm
306.40	Ø 5 mm X 35 cm
306.41	Ø 6 mm X 15 cm
306.42	Ø 6 mm X 20 cm
306.43	Ø 6 mm X 25 cm
306.44	Ø 6 mm X 30 cm
306.45	Ø 6 mm X 35 cm



Injector Cannulas

(Micro Injectors)

Injecting cannulas are simply comes in ideal tips, can be sued for fat grafting at face, neck, breast and buttock area.

Available in both luer-lock and SUPOR Luer-Lock fitting.

MICRO INJECTORS



Sharp Extractor/Injector

This tip works well for needle extraction of soft tissue and as a soft tissue reinjection needle.

Ultra Luer lock		Luer lock	
403.01	Ø 1.0 mm X 5 cm	404.01	Ø 1.0 mm X 5 cm
403.02	Ø 1.0 mm X 7 cm	404.02	Ø 1.0 mm X 7 cm
403.03	Ø 2.0 mm X 15 cm	404.03	Ø 2.0 mm X 15 cm
403.04	Ø 2.5 mm X 15 cm	404.04	Ø 2.5 mm X 15 cm
403.05	Ø 3.0 mm X 15 cm	404.05	Ø 3.0 mm X 15 cm

Luer lock (Stainless Steel)					
	3cm	5cm	7cm	10cm	12cm
1.1Ø	405.01	405.11	405.21	405.31	405.41
1.4Ø	405.02	405.12	405.22	405.32	405.42
1.8Ø	405.03	405.13	405.23	405.33	405.43
2.0Ø	405.04	405.14	405.24	405.34	405.44

Blunt Extractor/Injector

This tip works well for needle extraction of soft tissue and as a soft tissue reinjection needle.

Ultra Luer lock		Luer lock	
403.11	Ø 2.0 mm X 15 cm	404.11	Ø 2.0 mm X 15 cm
403.12	Ø 2.5 mm X 15 cm	404.12	Ø 2.5 mm X 15 cm
403.13	Ø 3.0 mm X 15 cm	404.13	Ø 3.0 mm X 15 cm

Luer lock (Stainless Steel)					
	3cm	5cm	7cm	10cm	12cm
1.1Ø	405.51	405.61	405.71	405.81	405.91
1.4Ø	405.52	405.62	405.72	405.82	405.92
1.8Ø	405.53	405.63	405.73	405.83	405.93
2.0Ø	405.54	405.64	405.74	405.84	405.94

Blunt Tip Injector

Rounded blunt tip design passes through soft tissue easily without the trauma or potential problems of sharp instruments.

Ultra Luer lock		Luer lock	
403.21	Ø 1.0 mm X 4 cm	404.21	Ø 1.0 mm X 4 cm
403.22	Ø 1.0 mm X 5 cm	404.22	Ø 1.0 mm X 5 cm
403.23	Ø 1.0 mm X 7 cm	404.23	Ø 1.0 mm X 7 cm
403.24	Curved 12 cm	404.24	Curved 12 cm
403.25	Curved 15 cm	404.25	Curved 15 cm
403.26	Curved 20 cm	404.26	Curved 20 cm

Luer lock (Stainless Steel)					
	3cm	5cm	7cm	10cm	12cm
1.1Ø	405.101	405.111	405.121	405.131	405.141
1.4Ø	405.102	405.112	405.122	405.132	405.142
1.8Ø	405.103	405.113	405.123	405.133	405.143
2.0Ø	405.104	405.114	405.124	405.134	405.144

MICRO INJECTORS



 **Fig. 2B**

Luer lock (Stainless Steel)					
	3cm	5cm	7cm	10cm	12cm
1.1Ø	405.201	405.211	405.221	405.231	405.241
1.4Ø	405.202	405.212	405.222	405.232	405.242
1.8Ø	405.203	405.213	405.223	405.233	405.243
2.0Ø	405.204	405.214	405.224	405.234	405.244

 **Fig. 1C**

Luer lock (Stainless Steel)					
	3cm	5cm	7cm	10cm	12cm
1.1Ø	405.251	405.261	405.271	405.281	405.291
1.4Ø	405.252	405.262	405.272	405.282	405.292
1.8Ø	405.253	405.263	405.273	405.283	405.293
2.0Ø	405.254	405.264	405.274	405.284	405.294

 **Fig. 1P**

Luer lock (Stainless Steel)					
	3cm	5cm	7cm	10cm	12cm
1.1Ø	405.301	405.311	405.321	405.331	405.341
1.4Ø	405.302	405.312	405.322	405.332	405.342
1.8Ø	405.303	405.313	405.323	405.333	405.343
2.0Ø	405.304	405.314	405.324	405.334	405.344

 **Fig. 2E**

Luer lock (Stainless Steel)					
	3cm	5cm	7cm	10cm	12cm
1.1Ø	405.351	405.361	405.371	405.381	405.391
1.4Ø	405.352	405.362	405.372	405.382	405.392
1.8Ø	405.353	405.363	405.373	405.383	405.393
2.0Ø	405.354	405.364	405.374	405.384	405.394

MICRO INJECTORS



Coleman Liposuction Cannula Fig. MIC I

Luer lock (Stainless Steel)

	3cm	5cm	7cm	10cm	12cm	15cm	20cm	3.5cm
1.1Ø	405.401	405.411	405.421	405.431	405.441	405.451	405.461	405.471
1.4Ø	405.402	405.412	405.422	405.432	405.442	405.452	405.462	405.472
1.8Ø	405.403	405.413	405.423	405.433	405.443	405.453	405.463	405.473
2.0Ø	405.404	405.414	405.424	405.434	405.444	405.454	405.464	405.474
2.5Ø	405.405	405.415	405.425	405.435	405.445	405.455	405.465	405.475



Coleman Liposuction Cannula Fig. MIC II

Luer lock (Stainless Steel)

	3cm	5cm	7cm	10cm	12cm	15cm	20cm
1.1Ø	405.501	405.511	405.521	405.531	405.541	405.551	405.561
1.4Ø	405.502	405.512	405.522	405.532	405.542	405.552	405.562
1.8Ø	405.503	405.513	405.523	405.533	405.543	405.553	405.563
2.0Ø	405.504	405.514	405.524	405.534	405.544	405.554	405.564
2.5Ø	405.505	405.515	405.525	405.535	405.545	405.555	405.565



Coleman Liposuction Cannula Spoon Tip Fig. MIC III

This tip works well for needle extraction of soft tissue and as a soft tissue re injection needle.

Luer lock (Stainless Steel)

	3cm	5cm	7cm	10cm	12cm	15cm	20cm
1.1Ø	405.601	405.611	405.621	405.631	405.641	405.651	405.661
1.4Ø	405.602	405.612	405.622	405.632	405.642	405.652	405.662
1.8Ø	405.603	405.613	405.623	405.633	405.643	405.653	405.663
2.0Ø	405.604	405.614	405.624	405.634	405.644	405.654	405.664
2.5Ø	405.605	405.615	405.625	405.635	405.645	405.655	405.665



Little Injector

Open and more pointed blunt tip is very effective in dense and fibrous tissue.

Ultra Luer lock

403.51	Ø 1.0 mm X 4 cm
403.52	Ø 1.0 mm X 5 cm
403.53	Ø 1.0 mm X 7 cm

Luer lock

404.51	Ø 1.0 mm X 4 cm
404.52	Ø 1.0 mm X 5 cm
404.53	Ø 1.0 mm X 7 cm

Luer lock (Stainless Steel)

	3cm	5cm	7cm	10cm	12cm
1.1Ø	405.701	405.711	405.721	405.731	405.741
1.4Ø	405.702	405.712	405.722	405.732	405.742
1.8Ø	405.703	405.713	405.723	405.733	405.743
2.0Ø	405.704	405.714	405.724	405.734	405.744

MICRO INJECTORS



 **Fig. 1B**

Luer lock (Stainless Steel)							
	3cm	5cm	7cm	10cm	12cm	15cm	20cm
1.1Ø	405.801	405.811	405.821	405.831	405.841	405.851	KI-405.861
1.4Ø	405.802	405.812	405.822	405.832	405.842	405.852	KI-405.862
1.8Ø	405.803	405.813	405.823	405.833	405.843	405.853	KI-405.863
2.0Ø	405.804	405.814	405.824	405.834	405.844	405.854	KI-405.864
2.5Ø	405.805	405.815	405.825	405.835	405.845	405.855	KI-405.865

Curved Injectors



Curved Injectors

New Curved Injectors are designed especially for fat transfer procedures to the body. Their unique shape mimics the anatomical curvature of the female torso and, thus, easily produces the natural-looking results that patients desire. Curved Injection Cannulas ameliorate the fat transfer process by providing a direct and precise route to the injection site and by lessening the time required to correctly sculpt curves.

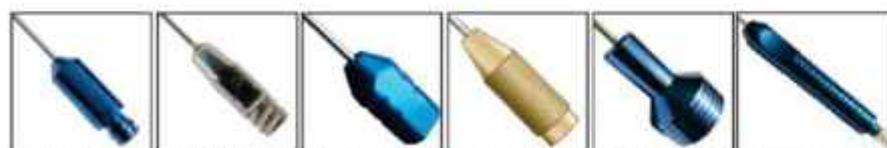
SPECIALITY CANNULAS



Speciality Cannulas

Speciality Cannula are useful tools for different to operation are such as face or Neck.

SPECIALITY CANNULAS



Luer lock Luer lock (Stainless Steel) Ultra Luer lock Treaded 60cc Tommey hub Power Cannula



V-Dissector

This cannula is specifically designed for use in the superficial compartment of the truncal area. The cutting notch is very useful for undermining in facial procedures and in dense, fibrous tissue.

60cc Tommey hub

501.01	Ø 2.5 mm X 15 cm
501.02	Ø 2.5 mm X 20 cm
501.03	Ø 3.0 mm X 15 cm
501.04	Ø 3.0 mm X 20 cm
501.05	Ø 3.0 mm X 25 cm
501.06	Ø 4.0 mm X 25 cm
501.07	Ø 4.0 mm X 30 cm
501.08	Ø 4.0 mm X 35 cm
501.09	Ø 4.5 mm X 30 cm
501.10	Ø 4.5 mm X 35 cm

Treaded Hub

502.01	Ø 3.0 mm X 15 cm
502.02	Ø 3.0 mm X 25 cm
502.03	Ø 4.0 mm X 15 cm
502.04	Ø 4.0 mm X 25 cm

Ultra Luer lock

503.01	Ø 2.0 mm X 15 cm
503.02	Ø 2.5 mm X 15 cm
503.03	Ø 2.5 mm X 20 cm
503.04	Ø 3.0 mm X 15 cm
503.05	Ø 3.0 mm X 20 cm
503.06	Ø 3.0 mm X 25 cm

Luer lock

504.01	Ø 2.0 mm X 15 cm
504.02	Ø 2.5 mm X 15 cm
504.03	Ø 2.5 mm X 20 cm
504.04	Ø 3.0 mm X 15 cm
504.05	Ø 3.0 mm X 20 cm
504.06	Ø 3.0 mm X 25 cm

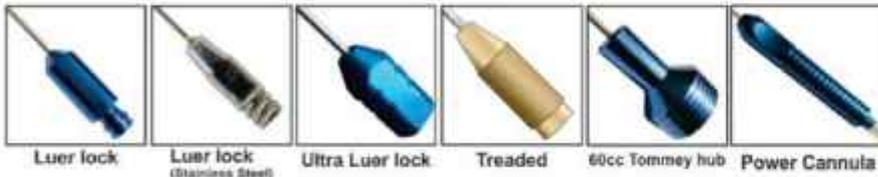
Luer lock (Stainless Steel)

505.01	Ø 2.0 mm X 15 cm
505.02	Ø 2.5 mm X 15 cm
505.03	Ø 2.5 mm X 20 cm
505.04	Ø 3.0 mm X 15 cm
505.05	Ø 3.0 mm X 20 cm
505.06	Ø 3.0 mm X 25 cm

Power Cannula

506.01	Ø 2 mm X 15 cm
506.02	Ø 2 mm X 20 cm
506.03	Ø 2 mm X 25 cm
506.04	Ø 2 mm X 30 cm
506.05	Ø 2 mm X 35 cm
506.06	Ø 3 mm X 15 cm
506.07	Ø 3 mm X 20 cm
506.08	Ø 3 mm X 25 cm
506.09	Ø 3 mm X 30 cm
506.10	Ø 3 mm X 35 cm
506.11	Ø 4 mm X 15 cm
506.12	Ø 4 mm X 20 cm
506.13	Ø 4 mm X 25 cm
506.14	Ø 4 mm X 30 cm
506.15	Ø 4 mm X 35 cm
506.16	Ø 5 mm X 15 cm
506.17	Ø 5 mm X 20 cm
506.18	Ø 5 mm X 25 cm
506.19	Ø 5 mm X 30 cm
506.20	Ø 5 mm X 35 cm
506.21	Ø 6 mm X 15 cm
506.22	Ø 6 mm X 20 cm
506.23	Ø 6 mm X 25 cm
506.24	Ø 6 mm X 30 cm
506.25	Ø 6 mm X 35 cm

SPECIALITY CANNULAS



Flap

The Flap is primarily used as an undermining dissector, and in smaller diameters, for facial tissue removal. The Flap Cannula in a 2.1mm diameter is very useful for undermining the nasolabial fold prior to autologous tissue injections, as well as for tissue removal in this anatomic area.

60ccTommeyhub

501.11	Ø 2.5 mm X 15 cm
501.12	Ø 2.5 mm X 20 cm
501.13	Ø 3.0 mm X 15 cm
501.14	Ø 3.0 mm X 20 cm
501.15	Ø 3.0 mm X 25 cm
501.16	Ø 4.0 mm X 25 cm
501.17	Ø 4.0 mm X 30 cm
501.18	Ø 4.0 mm X 35 cm
501.19	Ø 4.5 mm X 30 cm
501.20	Ø 4.5 mm X 35 cm

Treaded Hub

502.11	Ø 3.0 mm X 15 cm
502.12	Ø 3.0 mm X 25 cm
502.13	Ø 4.0 mm X 15 cm
502.14	Ø 4.0 mm X 25 cm

Ultra Luer lock

503.11	Ø 2.0 mm X 15 cm
503.12	Ø 2.5 mm X 15 cm
503.13	Ø 2.5 mm X 20 cm
503.14	Ø 3.0 mm X 15 cm
503.15	Ø 3.0 mm X 20 cm
503.16	Ø 3.0 mm X 25 cm

Luer lock

504.11	Ø 2.0 mm X 15 cm
504.12	Ø 2.5 mm X 15 cm
504.13	Ø 2.5 mm X 20 cm
504.14	Ø 3.0 mm X 15 cm
504.15	Ø 3.0 mm X 20 cm
504.16	Ø 3.0 mm X 25 cm

Luer lock (Stainless Steel)

505.11	Ø 2.0 mm X 15 cm
505.12	Ø 2.5 mm X 15 cm
505.13	Ø 2.5 mm X 20 cm
505.14	Ø 3.0 mm X 15 cm
505.15	Ø 3.0 mm X 20 cm
505.16	Ø 3.0 mm X 25 cm

Power Cannula

506.51	Ø 2 mm X 15 cm
506.52	Ø 2 mm X 20 cm
506.53	Ø 2 mm X 25 cm
506.54	Ø 2 mm X 30 cm
506.55	Ø 2 mm X 35 cm
506.56	Ø 3 mm X 15 cm
506.57	Ø 3 mm X 20 cm
506.58	Ø 3 mm X 25 cm
506.59	Ø 3 mm X 30 cm
506.60	Ø 3 mm X 35 cm
506.61	Ø 4 mm X 15 cm
506.62	Ø 4 mm X 20 cm
506.63	Ø 4 mm X 25 cm
506.64	Ø 4 mm X 30 cm
506.65	Ø 4 mm X 35 cm
506.66	Ø 5 mm X 15 cm
506.67	Ø 5 mm X 20 cm
506.68	Ø 5 mm X 25 cm
506.69	Ø 5 mm X 30 cm
506.70	Ø 5 mm X 35 cm
506.71	Ø 6 mm X 15 cm
506.72	Ø 6 mm X 20 cm
506.73	Ø 6 mm X 25 cm
506.74	Ø 6 mm X 30 cm
506.75	Ø 6 mm X 35 cm

SPECIALITY CANNULAS



Field Flap

With its elevated leading edge, this cannula is designed to open and expose soft tissue for more precise suctioning along the mandible and sub-mental areas.

60ccTommeyhub

501.21	Ø 2.5 mm X 15 cm
501.22	Ø 2.5 mm X 20 cm
501.23	Ø 3.0 mm X 15 cm
501.24	Ø 3.0 mm X 20 cm
501.25	Ø 3.0 mm X 25 cm
501.26	Ø 4.0 mm X 25 cm
501.27	Ø 4.0 mm X 30 cm
501.28	Ø 4.0 mm X 35 cm
501.29	Ø 4.5 mm X 30 cm
501.30	Ø 4.5 mm X 35 cm

Treaded Hub

502.21	Ø 3.0 mm X 15 cm
502.22	Ø 3.0 mm X 25 cm
502.23	Ø 4.0 mm X 15 cm
502.24	Ø 4.0 mm X 25 cm

Ultra Luer lock

503.21	Ø 2.0 mm X 15 cm
503.22	Ø 2.5 mm X 15 cm
503.23	Ø 2.5 mm X 20 cm
503.24	Ø 3.0 mm X 15 cm
503.25	Ø 3.0 mm X 20 cm
503.26	Ø 3.0 mm X 25 cm

Luer lock

504.21	Ø 2.0 mm X 15 cm
504.22	Ø 2.5 mm X 15 cm
504.23	Ø 2.5 mm X 20 cm
504.24	Ø 3.0 mm X 15 cm
504.25	Ø 3.0 mm X 20 cm
504.26	Ø 3.0 mm X 25 cm

Luer lock (Stainless Steel)

505.21	Ø 2.0 mm X 15 cm
505.22	Ø 2.5 mm X 15 cm
505.23	Ø 2.5 mm X 20 cm
505.24	Ø 3.0 mm X 15 cm
505.25	Ø 3.0 mm X 20 cm
505.26	Ø 3.0 mm X 25 cm

Power Cannula

506.101	Ø 2 mm X 15 cm
506.102	Ø 2 mm X 20 cm
506.103	Ø 2 mm X 25 cm
506.104	Ø 2 mm X 30 cm
506.105	Ø 2 mm X 35 cm
506.106	Ø 3 mm X 15 cm
506.107	Ø 3 mm X 20 cm
506.108	Ø 3 mm X 25 cm
506.109	Ø 3 mm X 30 cm
506.110	Ø 3 mm X 35 cm
506.111	Ø 4 mm X 15 cm
506.112	Ø 4 mm X 20 cm
506.113	Ø 4 mm X 25 cm
506.114	Ø 4 mm X 30 cm
506.115	Ø 4 mm X 35 cm
506.116	Ø 5 mm X 15 cm
506.117	Ø 5 mm X 20 cm
506.118	Ø 5 mm X 25 cm
506.119	Ø 5 mm X 30 cm
506.120	Ø 5 mm X 35 cm
506.121	Ø 6 mm X 15 cm
506.122	Ø 6 mm X 20 cm
506.123	Ø 6 mm X 25 cm
506.124	Ø 6 mm X 30 cm
506.125	Ø 6 mm X 35 cm

SINGLE-USE INSTRUMENTS



Ultra Luer Lock

The Super Luer Lock is on our Single-use instruments.



Tumescant Infiltrator

This cannula is used specifically for the infusion of tumescent solution and for hydraulic dissection. The configuration of the ports allows even distribution of the fluid.

601.01 Ø 2.0 mm X 12cm
601.02 Ø 2.0 mm X 20cm



Tonnard Harvester

A multiport harvester with 1mm elevated sharp microports. The 20 port configuration allows for harvesting both on the forward and backward strokes.

602.01 Ø 3.0 mm X 20cm
602.02 Ø 2.4 mm X 20cm



Tonnard Harvester

Excellent for harvesting small aliquots of tissues.

603.01 Ø 2.5 mm X 15cm
603.02 Ø 2.0 mm X 15cm



Carraway Harvester

Spiral three port design effective for multi-plane tissue harvesting.

604.01 Ø 2.5 mm X 15cm
604.02 Ø 2.0 mm X 10cm
604.03 Ø 2.0 mm X 15cm
604.04 Ø 1.5 mm X 8cm
604.05 Ø 1.5 mm X 10cm



Injector

Round blunt tip design passes through soft tissue easily without the trauma or potential problems of sharp injectors.

605.01 Ø 1.5 mm X 9cm
605.02 Ø 1.5 mm X 7cm
605.03 Ø 1.0 mm X 5cm
605.04 Ø 1.0 mm X 4cm



Spoon Tip Injector

Blunt injector designed with a more open port for rapid injection of larger volumes - a torso and buttock workhorse.

606.01 Ø 3.0 mm X 20cm
606.02 Ø 2.0 mm X 15cm



Miller Speed Harvester

607.01 Ø 2.0 mm X 15cm

Liposuction Accessories

Handles

Connectors

- a) Luer to Luer
- b) Luer to Handle

Transfer Adapters

- a) Luer to Luer 1.2 mm
- Luer to Luer 1.4 mm
- Luer to Luer 2.4 mm
- b) Anaerobic Transfer
- c) Micro to Nano

Snap Lock

- a) Standard Snap Locks
60cc, 20cc, 10cc

- b) Spiral Snap Lock

Fat Transfer Gun

Decanting Stands

Sterilization Boxed

LIPOSUCTION ACCESSORIES

HANDLES FOR CANNULAS



LIPOSUCTION ACCESSORIES

HANDLES FOR CANNULAS

704.01

with connection thread for cannulas hose connection



705.01

with connection thread for cannulas hose connection



706.01

with connection thread for cannulas hose connection



707.01

with connection thread for cannulas hose connection



50.01

Pocar

The Pocar is a percutaneous punch that is used to make a circumferential incision prior to infiltration and tissue extraction. It is designed to maintain a tight seal while minimizing scarring.



LIPOSUCTION ACCESSORIES

NanoTransfer

751.01

NanoTransfer



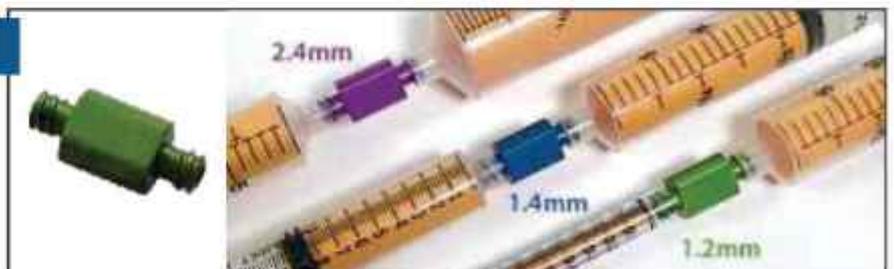
752.01

Mesh for NanoTransfer



Anaerobic Transfers

- 760.01 Luer 1.2mm
- 760.02 Luer 1.4mm
- 760.03 Luer 2.4mm



LIPOSUCTION ACCESSORIES

771.01

Luer to Luer



Decant Stands

772.02

60cc to Luer

773.03

Luer to Luer



SnapLoks

These syringe snap locks fit into the lunger flanges of the syringe. When the plunger is pulled out the lock snaps open on the barrel lip thus holding the syringe under vacuum.

901.01	60cc
901.02	50cc
901.03	35cc
901.04	20cc
901.05	10cc



LIPOSUCTION ACCESSORIES



Universal Power Injector

801.01

The Power Injector allows the surgeon to re-inject soft tissue through large or small diameter injectors with very little effort and maximum control. The Universal Power Injector will hold a 10cc or a 20cc BD syringe or a BD syringe or a 60cc Monoject syringe.



Fat Syringe

950.01

The Power Injector allows the surgeon to re-inject soft tissue through large or small diameter injectors with very little effort and maximum control. The Universal Power Injector will hold a 10cc or a 20cc BD syringe or a BD syringe or a 60cc Monoject syringe.

LIPOSUCTION ACCESSORIES



Sterilization Box

1000.01



Syringe Decanting and Injection

707.01	60 cc
707.02	50 cc
707.03	30 cc
707.04	20 cc
707.05	10 cc

20

ARSA
ENTERPRISES

LAPRO SCOPIC



SINGLE PORT

SINGLE PORT TROCARS

INSTRUMENT	DIAMETER	FEATURES
20-9415	20mm	Trocar that supports (2) 5mm and (1) 10mm Trocar/Obturator
20-9416	5mm	Trocar/Obturator Support
20-9417	10mm	Trocar/Obturator Support
20-9418	12.5mm	Trocar/Obturator Support



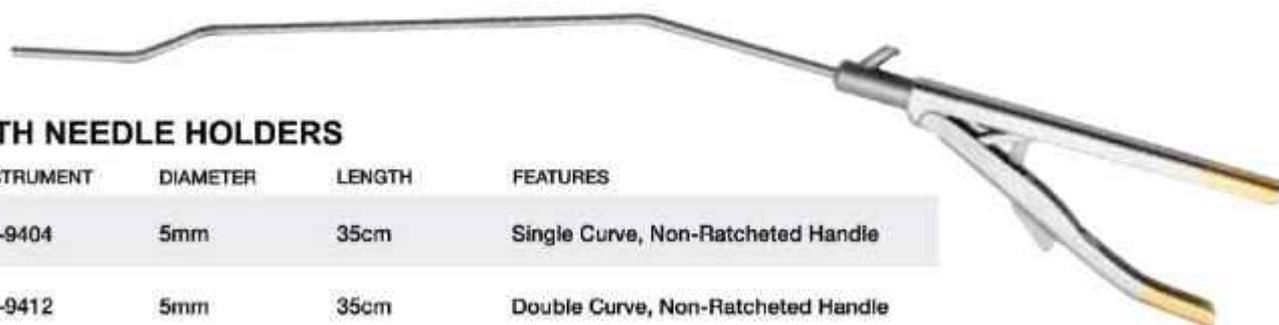
SUCTION IRRIGATION

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-9411	5mm	35cm	Non-Ratcheted Handle

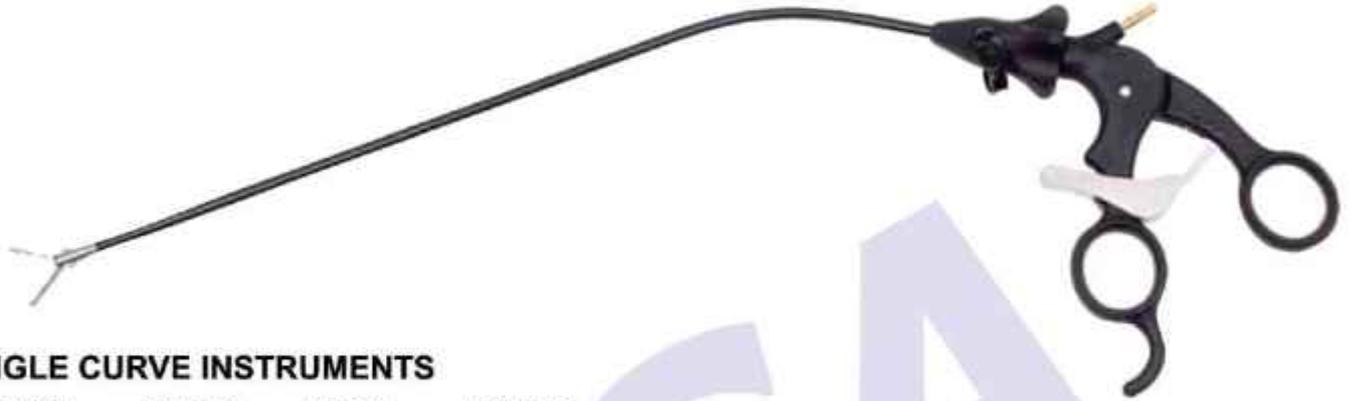


ETH NEEDLE HOLDERS

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-9404	5mm	35cm	Single Curve, Non-Ratcheted Handle
20-9412	5mm	35cm	Double Curve, Non-Ratcheted Handle



SINGLE PORT



SINGLE CURVE INSTRUMENTS

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-9400	5mm	35cm	Metzenbaum Scissor, Non-Ratcheted Handle
20-9401	5mm	35cm	Maryland Dissector, Non-Ratcheted Handle
20-9402	5mm	35cm	Endo Clinch Grasping Forcep, Ratchet Handle
20-9403	5mm	35cm	Maxi Grasping Forcep, Ratchet Handle



DOUBLE CURVE INSTRUMENTS

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-9405	5mm	35cm	Metzenbaum Scissor, Non-Ratcheted Handle
20-9406	5mm	35cm	Maryland Dissector, Non-Ratcheted Handle
20-9407	5mm	35cm	Endo Clinch Grasping Forcep, Ratcheted Handle
20-9408	5mm	35cm	Maxi Grasping Forcep, Ratcheted Handle
20-9409	5mm	35cm	L-Hook Electrode, Non-Ratcheted Handle
20-9410	5mm	35cm	Button Electrode, Non-Ratcheted Handle



SCISSORS

PERITONEAL SCISSORS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9026XC	31-9026	5mm	33cm	Straight, Blunt Tips, XC Handle



OPERATING SCISSORS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9027XC	31-9027	10mm	33cm	Straight, XC Handle



METZENBAUM SCISSORS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9005XC	20-9005	5mm	33cm	Straight, XC Handle
20-9005YC	20-9005	5mm	33cm	Straight, YC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9010XC	20-9010	5mm	33cm	Curved, XC Handle
20-9010XC-45	20-9010-45	5mm	45cm	Curved, XC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9012XC	20-9012	5mm	33cm	Curved, Serrated, XC Handle
20-9012XC-45	20-9012-45	5mm	45cm	Curved, Serrated, XC Handle



SCISSORS

HOOK SCISSORS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9016XC	20-9016	5mm	33cm	Standard, Flush Tips, XC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9015XC	20-9015	5mm	33cm	Sharp Cutting Edge, Overlapping Tips, XC Handle
20-9015XC-45	20-9015-45	5mm	45cm	Sharp Cutting Edge, Overlapping Tips, XC Handle



MICRO SCISSORS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9020XC	20-9020	5mm	33cm	Straight, Extremely Delicate, XC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9025XC	20-9025	5mm	33cm	Curved, Extremely Delicate, XC Handle



FORCEPS

MARYLAND DISSECTORS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9030XC	20-9030	5mm	33cm	Cross Serration, XC Handle
20-9030XC-45	20-9030-45	5mm	45cm	Cross Serration, XC Handle
COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9031XC	20-9031	5mm	33cm	Diamond Serration, XC Handle
20-9120XC	20-9120	10mm	33cm	Diamond Serration, XC Handle



MIXER FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9033XC	20-9033	5mm	33cm	90° Angle, Cross Serration, XC Handle
COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9035XC	20-9035	5mm	33cm	90° Angle, Diamond Serration XC Handle
20-9125XC	20-9125	10mm	33cm	90° Angle, Diamond Serration XC Handle
20-9125XC-45	20-9125-45	10mm	45cm	90° Angle, Diamond Serration XC Handle



DISSECTING FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9036XC	20-9036	5mm	33cm	Curved, Serrated, XC Handle



DOLPHIN FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9040XC	20-9040	5mm	33cm	Short, XC Handle



FORCEPS

KELLY FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9043XC	20-9043	5mm	33cm	Double Action, XC Handle



GLASSMANN FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9096YC	20-9096	5mm	33cm	Atraumatic Clamp, YC Handle



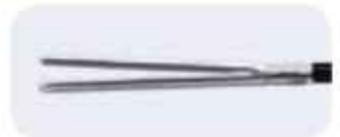
TENACULUM FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9111YC	20-9111	5mm	33cm	1x1 Sharp Teeth, YC Handle
20-9113YC	20-9113	10mm	33cm	1x1 Sharp Teeth, YC Handle



KOCHER FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9128XC	20-9128	10mm	33cm	60mm Jaws, Axial Serration, XC Handle



SPOON FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9135XC	20-9135	10mm	33cm	XC Handle



CLAW FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9045XC	20-9045	5mm	33cm	Traumatic Jaws, XC Handle
20-9045YC	20-9045	5mm	33cm	Traumatic Jaws, YC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9130XC	20-9130	10mm	33cm	Traumatic Jaws, XC Handle



FORCEPS

BABCOCK FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9105YC	20-9105	5mm	33cm	YC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9140YC	20-9140	10mm	33cm	YC Handle
20-9140XC	20-9140	10mm	33cm	XC Handle
20-9140YC-45	20-9140-45	10mm	45cm	YC Handle



ALLIS FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9067YC	20-9067	5mm	33cm	TC Inserted Jaws, Atraumatic Clamp, YC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9144YC	20-9144	10mm	33cm	TC Inserted Jaws, Diamond Serrations, YC Handle



STRONG ATRAUMATIC CLAMP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9145YC	20-9145	10mm	33cm	40mm Jaws, Straight, YC Handle



NEEDLE HOLDER

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9112YC	20-9112	5mm	33cm	10mm Jaws, Pointed, YC Handle



FORCEPS

GRASPING FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9050XC	20-9050	5mm	33cm	Standard, Cross Serrations, XC Handle
20-9050YC	20-9050	5mm	33cm	Standard, Cross Serrations, YC Handle
20-9050YC-45	20-9050-45	5mm	45cm	Standard, Cross Serrations, YC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9051YC	20-9051	5mm	33cm	Tapered, Rounded Jaws, YC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9055YC	20-9055	5mm	33cm	Endo Clinch, Extremely Atraumatic Serrations, YC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9080YC	20-9080	5mm	33cm	With Spoon, YC Handle
20-9080XC	20-9080	5mm	33cm	With Spoon, XC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9085YC	20-9085	5mm	33cm	Pointed with Spoon, YC Handle



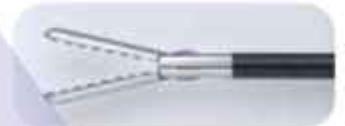
COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9100YC	20-9100	5mm	33cm	Maxi (Fundus), YC Handle



FORCEPS

WAVE FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9060YC	20-9060	5mm	33cm	Atraumatic Wave like Serrations, Single Action, YC Handle
20-9060YC-45	20-9060-45	5mm	45cm	Atraumatic Wave like Serrations, Single Action, YC Handle
20-9061YC	20-9061	5mm	33cm	Atraumatic Wave like Serrations, Double Action, YC Handle



DEBAKEY FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9065YC	20-9065	5mm	33cm	40mm Jaws, YC Handle
20-9065XC	20-9065	5mm	33cm	40mm Jaws, XC Handle
20-9065YC-45	20-9065-45	5mm	45cm	40mm Jaws, YC Handle
20-9065XC-45	20-9065-45	5mm	45cm	40mm Jaws, XC Handle



BABCOCK/DEBAKEY FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9142XC	20-9142	10mm	33cm	Atraumatic Serrations, XC Handle



COBRA FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9075YC	20-9075	5mm	33cm	2x3 Teeth, Double Action, YC Handle



ALLIGATOR FORCEP

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9070YC	20-9070	5mm	33cm	Double Action, YC Handle



GRASPING FORCEPS

ATRAUMATIC GRASPERS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9098YC	20-9098	5mm	33cm	Single Action, YC Handle
20-9097XC	20-9097	5mm	33cm	Diamond Serrations, XC Handle
20-9097YC	20-9097	5mm	33cm	Diamond Serrations, YC Handle



FENESTRATED GRASPING DISSECTOR

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9042XC	20-9042	5mm	33cm	16mm Double Action Jaw, XC Handle



FENESTRATED GRASPING FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9090YC	20-9090	5mm	33cm	22mm Double Action Jaw, YC Handle
20-9090XC-45	20-9090-45	5mm	45cm	22mm Double Action Jaw, XC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9095XC	20-9095	5mm	33cm	40mm Double Action Jaw, XC Handle
20-9095YC	20-9095	5mm	33cm	40mm Double Action Jaw, YC Handle
20-9095XC-45	20-9095-45	5mm	45cm	40mm Double Action Jaw, XC Handle
20-9095YC-45	20-9095-45	5mm	45cm	40mm Double Action Jaw, YC Handle



PUNCHES

PUNCH

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9046XC	20-9046	5mm	33cm	Probe Excision



BIOPSY PUNCH

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9047XC	20-9047	5mm	33cm	No Tooth, XC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9110YC	20-9110	5mm	33cm	With Tooth, YC Handle
20-9110YC-45	20-9110-45	5mm	45cm	With Tooth, YC Handle

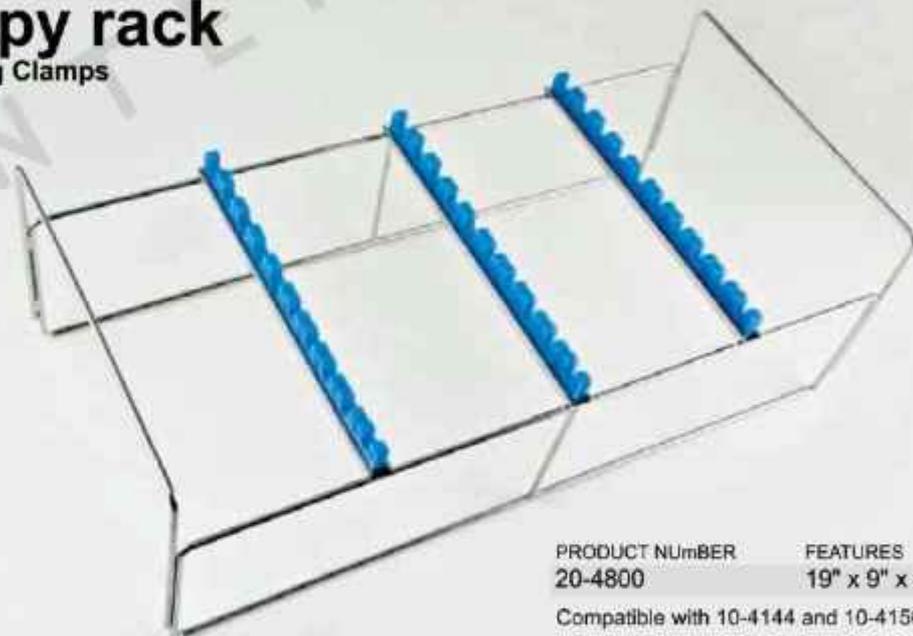


COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-9115XC	20-9115	5mm	33cm	Spoon with Teeth, XC Handle
20-9115YC	20-9115	5mm	33cm	Spoon with Teeth, YC Handle
20-9115YC-45	20-9115-45	5mm	45cm	Spoon with Teeth, YC Handle



Endoscopy rack

With Silicone Holding Clamps



PRODUCT NUMBER: 20-4800
 FEATURES: 19" x 9" x 6 1/2"
 Compatible with 10-4144 and 10-4156

HANDLES & CANNULAS

XC CARBON HANDLE

INSTRUMENT	FEATURES
20-9001XC	Standard, non-ratchet, lightweight, carbon fiber reinforced non-conductive safety handle with locking collar. Fully rotating with a proximally positioned high-frequency connector.

YC CARBON HANDLE

INSTRUMENT	FEATURES
20-9002YC	Standard, ratchet, lightweight, carbon fiber reinforced non-conductive safety handle with locking collar. Fully rotating with a proximally positioned high-frequency connector.

REPLACEMENT LOCKING COLLAR

INSTRUMENT	FEATURES
20-9160	For Sklar Standard Handles



Instruments may be ordered as complete sets or assembled from components ordered separately. Optional handles for customizing instruments – interchangeable for 3mm, 5mm or 10mm – are available for special order.

CANNULAS

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-9155	5mm	33cm	Insulated
20-9155-45	5mm	45cm	Insulated
20-9150	10mm	33cm	Insulated With Permanent Locking Collar Attached
20-9150-45	10mm	45cm	Insulated With Permanent Locking Collar Attached



TROCARS

HASSON TROCAR WITH TRUMPET VALVE

COMPLETE INSTRUMENT	REPLACEMENT OBTURATOR	LENGTH	FEATURES
20-1002	20-0004	11mm	Hasson Trumpet Valve Cannula with 11mm Blunt Tip Obturator



STANDARD TROCAR WITH TRUMPET VALVE

COMPLETE INSTRUMENT	REPLACEMENT OBTURATOR	LENGTH	FEATURES
20-1007	20-1010	5.5mm	Trumpet Valve Cannula With 5.5mm Sharp Obturator



STANDARD TROCAR WITH TRAP DOOR

COMPLETE INSTRUMENT	REPLACEMENT OBTURATOR	LENGTH	FEATURES
20-1004	20-1011	11mm	Trap Door Cannula With 11mm Sharp Obturator



STANDARD TROCAR WITH AUTOMATIC VALVE

COMPLETE INSTRUMENT	REPLACEMENT OBTURATOR	LENGTH	FEATURES
20-1015	20-1010	5.5mm	Automatic Valve Cannula with 5.5mm Sharp Obturator, Dismountable
20-1016	20-1011	11mm	Automatic Valve Cannula with 11mm Sharp Obturator, Dismountable



STANDARD TROCAR WITH SILICON VALVE

COMPLETE INSTRUMENT	REPLACEMENT OBTURATOR	LENGTH	FEATURES
20-1017	20-1010	5.5mm	Silicon Valve Cannula with LL Stopcock & 5.5mm Sharp Obturator, Dismountable
20-1018	20-1011	11mm	Silicon Valve Cannula with LL Stopcock & 11mm Sharp Obturator, Dismountable



TROCARS

OBTURATORS

INSTRUMENT	LENGTH	FEATURES
20-0004	11mm	Blunt Tip Obturator for 11mm Hasson Cannula
20-1011	11mm	Extremely Sharp Pyramidal Tip Obturator for Standard Trocar
20-1010	5.5mm	Extremely Sharp Pyramidal Tip Obturator for Standard Trocar



THREADED CANNULA SLEEVE

INSTRUMENT	LENGTH	FEATURES
20-1020	5.5mm	Interchangeable with Standard Smooth Cannulas



SNAP ON FLIP REDUCER

INSTRUMENT	LENGTH	FEATURES
20-1042	-	Reduces from 11mm to 5.5mm



S-RETRACTOR

INSTRUMENT	LENGTH	FEATURES
20-6130	6¼"	Set of 2



TROCAR CANNULA PARTS

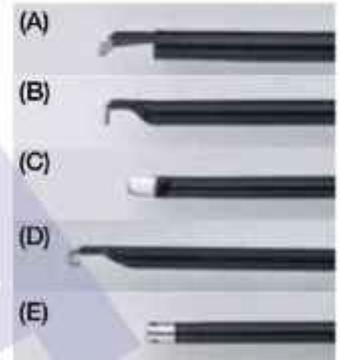
FOR USE WITH STANDARD & HASSON VALVE CANNULAS				
EXTERNAL SEALS	5.5mm	11mm	11mm (Hasson)	11mm (Hasson)
	RED	BLUE	BLUE	GRAY
	20-0003	20-0001	20-0001	20-0002
FOR USE WITH TRAP DOOR CANNULAS				
INTERNAL SEAL	5.5mm		11mm	
	GRAY		YELLOW	
	20-4323		20-4324	
FOR USE WITH SILICON VALVE CANNULAS				
SILICON VALVE	5.5mm		11mm	
	20-4328		20-4329	



ELECTRODES

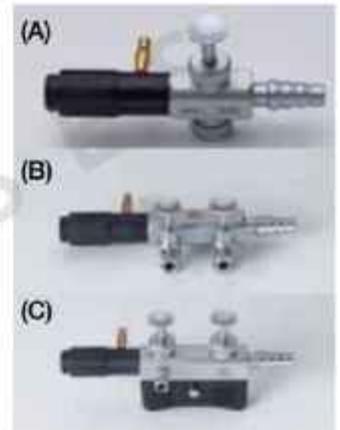
INSULATED ELECTRODES, WITH SUCTION

INSTRUMENT	DIAMETER	FEATURES
20-2235 (A)	5mm	Spatula
20-2237 (B)	5mm	L-Hook
20-2241 (C)	5mm	Knife
20-2243 (D)	5mm	J-Hook
20-2244 (E)	5mm	Blunt



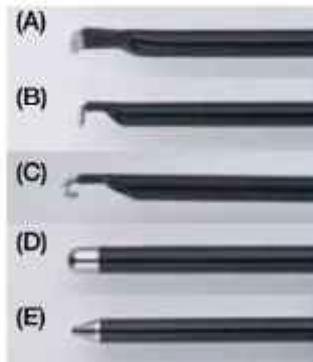
HIGH FREQUENCY SUCTION CONTROL VALVES

INSTRUMENT	DIAMETER	FEATURES
20-2227 (A)	5mm	Insulated Suction Control with Single Trumpet Valve
20-2233 (B)	5mm	Insulated Suction Control with Double Trumpet Valve
20-2229 (C)	5mm	Insulated Suction Control with Double Trumpet Valve and Handle



INSULATED ELECTRODES, WITHOUT SUCTION

INSTRUMENT	DIAMETER	FEATURES
20-2435 (A)	5mm	Spatula
20-2437 (B)	5mm	L-Hook
20-2443 (C)	5mm	J-Hook
20-2445 (D)	5mm	Button
20-2447 (E)	5mm	Cone



ELECTROSURGICAL Cable

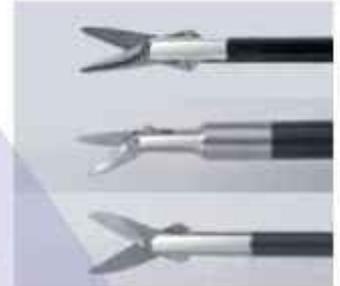
INSTRUMENT	FEATURES
20-2242	9' 4mm Tip, Monopolar: Compatible with Martin, Berchtold, Erbe T-Series
20-2253	10' 8mm Tip, Monopolar: Compatible with ValleyLab, Bovie, Conmed



MINIATURE

METZENBAUM SCISSORS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-4306XC	20-4306	3mm	33cm	Mini, Straight, XC Handle
20-4303XC	20-4303	3mm	33cm	Mini, Curved, XC Handle
20-4307XC	20-4307	3mm	33cm	Mini, Curved, Serrated, XC Handle



HOOK SCISSORS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-4304XC	20-4304	3mm	33cm	Mini, Delicate, Straight, XC Handle



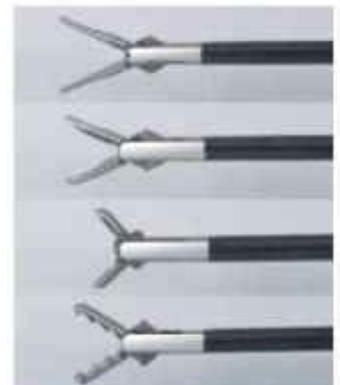
MAR

INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-4310XC	20-4310	3mm	33cm	Mini, Cross Serrations, Curved XC Handle



FORCEPS

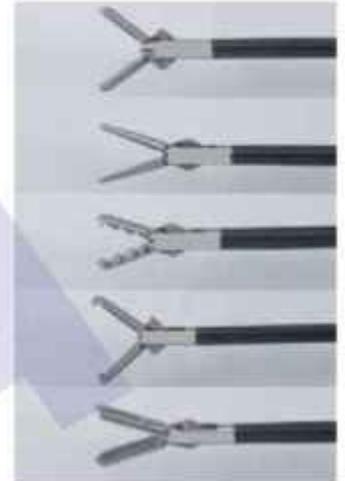
COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-4314YC	20-4314	3mm	33cm	Mini Duck Nose, Cross Serrations, Straight, YC Handle
20-4309XC	20-4309	3mm	33cm	Mini Kelly, Double Action Delicate Jaws, XC Handle
20-4315XC	31-4315	3mm	33cm	Mini Spoon, XC Handle
20-4316XC	31-4316	3mm	33cm	Mini Spoon, Serrated, XC Handle



MINIATURE

GRASPING FORCEPS

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-4308YC	20-4308	3mm	33cm	Mini Grasping Forcep, YC Handle
20-4311XC	20-4311	3mm	33cm	Mini Atraumatic, Dissector, Straight XC Handle
20-4312YC	20-4312	3mm	33cm	Mini Grasping Forcep, Heavy Serrations YC Handle
20-4313YC	20-4313	3mm	33cm	Mini Cobra, Heavy Serrations YC Handle
20-4317YC	20-4317	3mm	33cm	Mini Fenestrated, 8mm Double Action Jaws, YC Handle



PUNCH

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
20-4305XC	20-4305	3mm	33cm	Mini Punch, Delicate



NEEDLE HOLDER

Non-insulated With Tungsten Carbide Jaw Inserts And Axial Handle

COMPLETE INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-9360AX	3mm	33cm	Mini, Straight, Axial Ring Handle
20-9362AX	3mm	33cm	Mini, Curved Right, Axial Ring Handle
20-9364AX	3mm	33cm	Mini, Curved Left, Axial Ring Handle



COMPLETE INSTRUMENT



MINIATURE

MINIATURE ENDOSCOPE

COMPLETE INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-4301	2.7mm	30cm	Miniature, Autoclavable



MINIATURE TROCAR

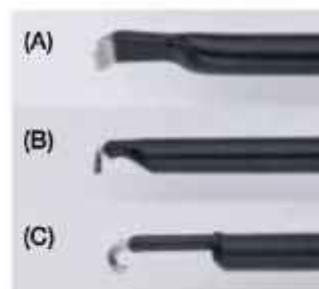
COMPLETE INSTRUMENT	REPLACEMENT OBTURATOR	DIAMETER	FEATURES
20-4302	20-4318	3mm	Mini, with Trap Door Cannula, Reusable, Includes 3mm Obturator
20-4320	-	3mm	External Seal, Red For use with Standard and Hasson Cannulas
20-4321	-	3mm	Internal Seal, Gray For use with Trap Door Cannulas only



Electrosurgery Insulated Electrodes without Suction

Each Electrode has a permanently fitted adapter for connecting to the Electro surgical Cable. Insulated Electrodes and Cables sold separately.

INSTRUMENT	DIAMETER	FEATURES
20-4325 (A)	3mm	Mini, Spatula
20-4326 (B)	3mm	Mini, L-Hook
20-4327 (C)	3mm	Mini, J-Hook



ELECTRO SURGICAL CABLE

INSTRUMENT	LENGTH	FEATURES
20-2242	9'	4mm Tip, Monopolar: Compatible with Martin, Berchtold, Erb T-Series
20-2253	10'	8mm Tip, Monopolar: Compatible with ValleyLab, Bovie, Conmed



ACCESSORIES



VERRES NEEDLE WITH STOPCOCK

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-2327	2.3mm	100mm	Stopcock
20-2350	2.3mm	120mm	Stopcock
20-2352	2.3mm	150mm	Stopcock



NEEDLE FOR INJECTION AND IRRIGATION

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-2355	5mm	33cm	Luer Lock, 2mm Hollow Needle
20-2355-45	5mm	45cm	Luer Lock, 2mm Hollow Needle



GRADUATED PROBE

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-2365	5.5mm	33cm	Graduated

ACCESSORIES



ESOPHAGUS RETRACTOR

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-4565	5mm	33cm	For Gastric Band Application



FAN RETRACTOR

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-4562	5mm	33cm	3 Finger Articulating Fan, Slightly Bent



FAN RETRACTOR

INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-4563	10mm	33cm	5 Finger Articulating Fan, Slightly Bent

ACCESSORIES



SUCTION IRRIGATION SYSTEM

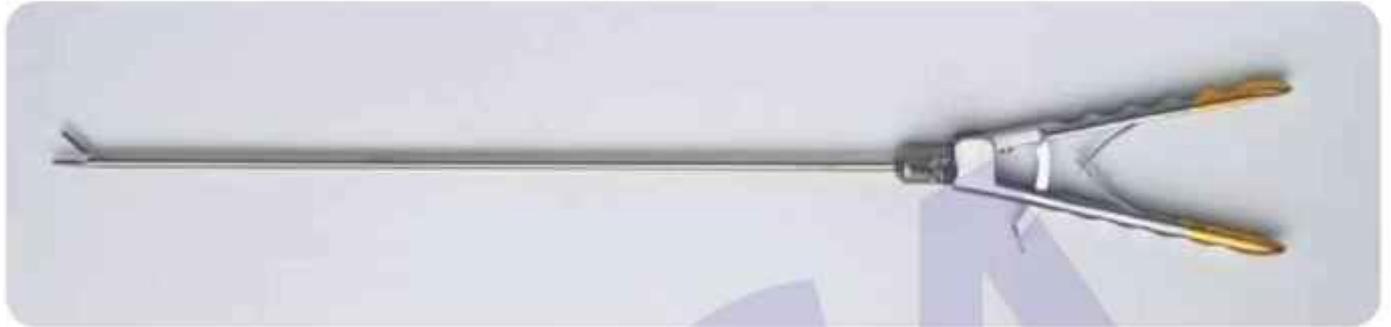
COMPLETE INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-2238	5mm	33cm	Dual Trumpet Valve (also fits 10mm Sheath)
20-2238-45	5mm	45cm	Dual Trumpet Valve (also fits 10mm Sheath)
20-2258	5mm	33cm	Single Trumpet Valve (also fits 10mm Sheath)
20-4003	5mm	33cm	Sheath Only
20-4004	10mm	33cm	Sheath Only
20-2205	5mm	33cm	Tube Channel, for Laser-Fiber
20-2238OR	-	-	O-Ring, Replacement Pk/10



HIGH-VOLUME SUCTION IRRIGATION SYSTEM

COMPLETE INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-2239	5mm 10mm	33cm	Dual Trumpet Valve (includes both 5mm and 10mm Sheaths)
20-2347	5mm	33cm	Sheath Only
20-2349	10mm	33cm	Sheath Only

NEEDLE HOLDERS



TC NEEDLE HOLDER

Non-insulated With Tungsten Carbide Jaw Inserts And Axial Handle

COMPLETE INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-2550	5mm	33cm	Standard, Straight, Flushable Shaft, 10mm Jaw Axial Handle
20-2550-45	5mm	45cm	Standard, Straight, Flushable Shaft, 10mm Jaw Axial Handle
20-2551	5mm	33cm	Standard, Curved Right, Flushable Shaft, 10mm Jaw Axial Handle
20-2552	5mm	33cm	Standard, Curved Left, Flushable Shaft, 10mm Jaw Axial Handle
20-2552-45	5mm	45cm	Standard, Curved Left, Flushable Shaft, 10mm Jaw Axial Handle
20-2553	5mm	33cm	Standard, Straight, Solid Shaft, 8mm Jaw Axial Handle

Straight



Curved right



Curved Left



LIGATURE

OPEN SURGERY APPLIERS

- Easy and Convenient Loading System
- Spring Action Controls Jaw Compression
- Firm Grasp of Clips
- Safe and Precise Closing Action
- Color Coded for Easy Identification
- Full Range of Sizes to Fit any Application

SMALL

INSTRUMENT	LENGTH	FEATURES
20-7305	6" 150mm	Straight, Yellow
20-7306	7½" 190mm	Straight, Yellow
20-7307	7½" 190mm	Right Angle, Yellow

MEDIUM

INSTRUMENT	LENGTH	FEATURES
20-7308	6" 150mm	Straight, Blue
20-7309	7½" 190mm	Straight, Blue
20-7310	7½" 190mm	Right Angle, Blue
20-7311	11" 280mm	Straight, Blue
20-7312	11" 280mm	Right Angle, Blue

MEDIUM/LARGE

INSTRUMENT	LENGTH	FEATURES
20-7313	7½" 190mm	Straight, Green
20-7314	7½" 190mm	Right Angle, Green
20-7315	11" 280mm	Straight, Green
20-7316	11" 280mm	Right Angle, Green

LARGE

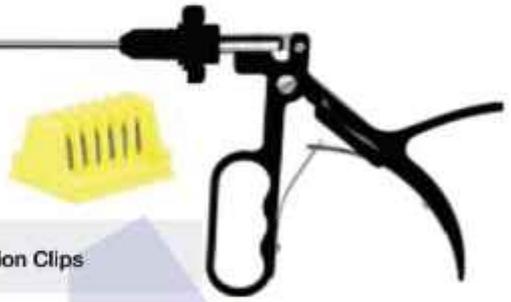
INSTRUMENT	LENGTH	FEATURES
20-7317	7½" 190mm	Straight, Orange
20-7318	7½" 190mm	Right Angle, Orange
20-7319	11" 280mm	Straight, Orange
20-7320	11" 280mm	Right Angle, Orange



LIGATURE

ROTATABLE APPLIERS

- Easy and Convenient Loading System
- Full 360° Rotation of applicator shape
- Sized to match popular clip sizes



INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-7321	5mm	35cm	Clip Applicator for Small Ligation Clips



INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-7322	8mm	35cm	Clip Applicator for Medium Ligation Clips



INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-7323	10mm	35cm	Clip Applicator for Medium/Large Ligation Clips



INSTRUMENT	DIAMETER	LENGTH	FEATURES
20-7324	12.5mm	35cm	Clip Applicator for Large Ligation Clips

21

ARSA
ENTERPRISES

HOLLOWWARE



HOLLOWARE ITEMS



21-1001
Instruments Tray of 20 Pcs



21-1002
Instruments Riddle



21-1003
Instruments Tray of 7 Pcs



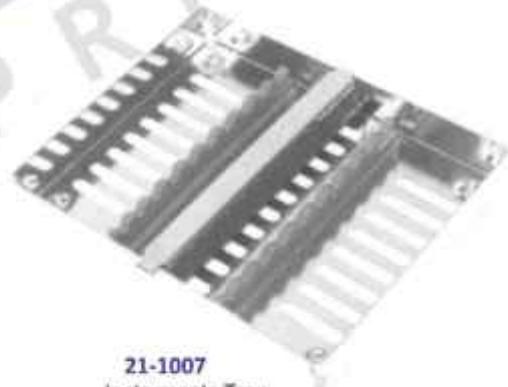
21-1004
Instruments Tray of 10 Pcs



21-1005
Instruments Tray of 5 Pcs



21-1006
Instruments Tray of 5 Pcs



21-1007
Instruments Tray



21-1008
Instruments Tray
Perforated



21-1009
Instruments Tray
Perforated Base



21-1010
Instruments Tray
Solid Base

HOLLOWWARE ITEMS



21-1011
Pulpectomy Tray



21-1012
Sterilizing Box
Available Sizes:
17x17x3 cm
20x10x6 cm
30x14x6 cm



21-1013
Endo Tray Box



21-1014
Finger Cup



21-1015
Bur Box

21-1016
Sterilizing Drum
150x150mm
175x175mm
190x190mm
200x140mm
200x200mm
240x120mm
225x225mm
240x240mm
290x160mm



21-1017
Sterilizing Drum
280x240mm
230x150mm
300x250mm
340x160mm
350x250mm
390x200mm
380x300mm
100x100mm
150x120mm

HOLLOWARE ITEMS



21-1018
Instruments Box



21-1019
Instruments Box



21-1020
Instruments Box



21-1021
Instruments Sterilizer
150x75 mm



21-1022
Endodontic Box



21-1023
Sterilizing Box
320x120 mm



21-1024
Instruments Tray



21-1025
Instruments Tray



21-1026
Instruments Tray
(Perforated)



21-1027
Instruments Tray
Shallow (Mayo)



21-1028
Scaler Tray
20.0 x 10.0 x 1.5 cm



21-1029
Scalers Tray



21-1030
Scalers Tray

HOLLOWWARE ITEMS



HOLLOWARE ITEMS



21-1043
Sponge Bowl



21-1044
Wash Basin
300mm-350mm-400mm



21-1048
Kick Bucket With Trolley



21-1045
Sponge Bowl



21-1046
Gallipot



21-1047
Medicine Cup



21-1049
Kidney Tray Shallow
150mm-200mm-240mm-300mm



21-1050
Kidney Tray Without Lid
150mm-200mm-250mm-300mm



21-1051
Kidney Tray With Lid
150mm-200mm-250mm-300mm



21-1052
Tube Rack, Stainless Steel 18/10



21-1053
Needle Case Rectangle
Needle Case Round With Cover
90x15



21-1054
Dustbin Without Stand
6-10-12 Ltr



21-1055
Tube Rack, Round Model
Stainless Steel 18/10



21-1056
Dustbin Without Stand & Cap
6-10-12 Ltr



21-1057
Lotion Bowl With Lip
40-60-80-100-120-150-180-200mm

HOLLOWWARE ITEMS



21-1058
Schimmelbusch

	Ø x H sizes in mm
21-1059	80 x 80
21-1060	105 x 120
21-1061	140 x 140
21-1062	160 x 120
21-1063	160 x 150
21-1064	190 x 150
21-1065	190 x 190
21-1066	240 x 160
21-1067	240 x 240
21-1068	290 x 160
21-1069	290 x 240
21-1070	340 x 160
21-1071	340 x 340
21-1072	390 x 190
21-1073	390 x 290



21-1074
Box
120 x 65 x 13mm
(without Bulldog clamps,
without silicone tape)



21-1075
Box with support
120 x 65 x 13 mm
(ohne Bulldogklemmen)



21-1076
Box with support for
needle electrodes,
without instruments



21-1077
50 x 25 x 4,5 mm
21-1078
65 x 42 x 8 mm
21-1079
75 x 25 x 4,5 mm



21-1080
Ø 65mm x 15mm

HOLLOWWARE ITEMS



21-1081

	Ø x H
21-1082	30 x 90 mm
21-1083	50 x 100 mm
21-1084	50 x 130 mm
21-1085	50 x 175 mm
21-1086	75 x 100 mm
21-1087	75 x 130 mm
21-1088	75 x 175 mm
21-1089	100 x 175 mm
21-1090	100 x 200 mm



21-1091

21-1092

Martin Sterilizing Forceps consisting of:
1 Sterilizing Forceps, curved, 25 cm, without ratchet, with lid for jar
1 jar with bottom plate (anti-bill)

21-1093

ditto, with 32 cm long Sterilizing Forceps



21-1094

21-1095	165 x 85 x 35 mm
21-1096	200 x 100 x 35 mm
21-1097	200 x 100 x 50 mm
21-1098	230 x 130 x 50 mm
21-1099	260 x 150 x 50 mm
21-1100	270 x 235 x 50 mm
21-1101	300 x 200 x 50 mm
21-1102	325 x 275 x 50 mm



21-1103

205 x 105 x 35 mm

HOLLOWWARE ITEMS



	Ø x H
21-1104	
21-1105	75 x 60 mm
21-1106	75 x 75 mm
21-1107	100 x 60 mm
21-1108	100 x 100 mm
21-1109	125 x 80 mm
21-1110	125 x 125 mm
21-1111	150 x 150 mm



21-1112 25 cc 21-1113 50 cc



21-1114
20 cc
Medicine Spoon



21-1115
Ø 75 x 12 mm
Tablet Tray



21-1116
Ø 90 x 90 mm
Metal Cup



21-1117
Ø 75 x 80 mm
Sputum Cup



Kidney Dish



21-1118

21-1119	170 x 100 x 35 mm
21-1120	250 x 140 x 40 mm
21-1121	275 x 150 x 45 mm

HOLLOWWARE ITEMS



21-1122



21-1131

	∅ x H	
21-1123	40 x 19 mm	0.05L
21-1124	61 x 30 mm	0.07L
21-1125	80 x 40 mm	0.14L
21-1126	116 x 50 mm	0.35L
21-1127	128 x 55 mm	0.45L
21-1128	147 x 65 mm	0.70L
21-1129	167 x 75 mm	1.10L
21-1130	187 x 85 mm	1.60L

21-1132	116 x 35 mm	0.30L
21-1133	128 x 38 mm	0.40L
21-1134	147 x 40 mm	0.50L
21-1135	157 x 45 mm	0.75L
21-1136	187 x 45 mm	1.00L



21-1137
∅ 110 x 28 mm 0.15L



21-1138
100 cc 0.1L



21-1139
21-1140 0.25L
21-1141 0.50L
21-1142 1.00L
21-1143 2.00L



21-1144
235 x 190 x 40 mm



21-1145
∅ 220 x 70 mm

HOLLOWARE ITEMS



21-1146
∅ 50 x 100 mm
Powder Pot



21-1147
∅ 50 x 75 mm
Methot With Lid



21-1148
∅ 50 x 75 mm
Methot Without Lid



21-1149



21-1150



21-1151



21-1152

21-1153 ∅ 235 mm
21-1154 ∅ 310 mm

STORING CASES



21-1155

21-1156	230 x 130 x 50	mm
21-1157	260 x 150 x 50	mm
21-1158	275 x 235 x 50	mm
21-1159	300 x 200 x 50	mm
21-1160	325 x 275 x 50	mm
21-1161	420 x 175 x 50	mm
21-1162	230 x 130 x 75	mm
21-1163	260 x 150 x 75	mm
21-1164	300 x 200 x 75	mm
21-1165	325 x 275 x 75	mm
21-1166	420 x 175 x 75	mm



21-1167
Deponette
245 x 135 x 35mm



21-1168
Deponette
245 x 135 x 50mm



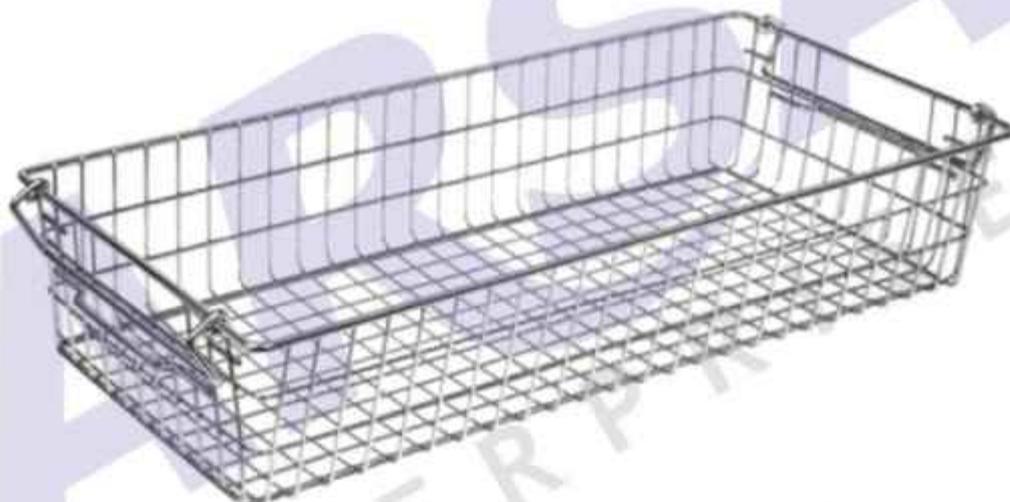
21-1169
Deponette
245 x 135 x 60mm

STERILIZING BASKETS/ TRAYS



21-1170

21-1171	480 x 250 x 50	mm
21-1172	520 x 250 x 75	mm
21-1173	520 x 250 x 100	mm



21-1174
(60 x 30 x 15 cm)
Nominal dimensions



21-1175

21-1176	240 x 240 x 50	mm
21-1177	240 x 240 x 80	mm
21-1178	240 x 240 x 100	mm
21-1179	480 x 260 x 50	mm
21-1180	520 x 260 x 80	mm
21-1181	520 x 260 x 100	mm

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