



AESCULAP® ELECTROSURGICAL INSTRUMENTS AND DEVICES

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UNITS AND ACCESSORIES



GN160

Bipolar microprocessor-controlled electrosurgical unit

Mains supply

100 – 120 V / 50 / 60 Hz

220 – 240 V / 50 / 60 Hz

	(Watt)	(Ohm)
STANDARD	60	75
FORCED	60	100

Accessories



GK226

Single-pedal foot switch
(angular)



GN161

Single-pedal foot switch
(round)

Microprocessor-controlled electrosurgical unit for improved non-sticking behaviour. Suitable for use in all surgical disciplines*

1 bipolar output

Coax plug 2/5 mm



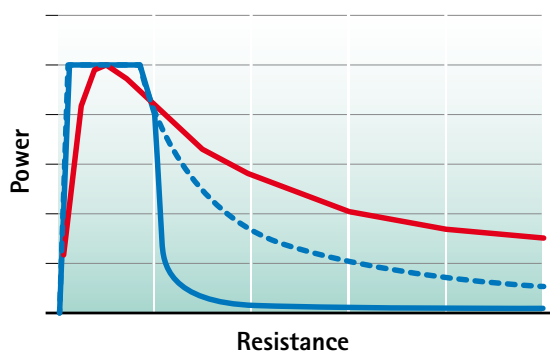
2 pin plug
Pin distance 28.6 mm



ADVANTAGES

Electrosurgical unit for improved non-stick behavior*

- Impedance-controlled for the adaption of coagulation parameters for improved non-stick behavior at high coagulation speed
- Clear front panel, easy and user-friendly handling*
- Rotary knob for adjusting the power (conversion to MALIS scale possible)
- Single-pedal foot switch for activating the device (GN161 or GK226)
- Compatible with Rose Gold and all other AESCULAP® bipolar forceps
- Compatible with irrigation device GN090



The AESCULAP® Non-Stick Generator actively reduces the power when necessary to reduce carbonization and sticking of the tissue.

- Conventional generator eg. GN060
- - - GN160 (Standard dose)
- GN160 Active power reduction

FOOT SWITCHES



GK226

Single-pedal foot switch, squared, for GN160



GN161

Single-pedal foot switch, round, for GN160

All footswitches explosion-proof, cable 4 m

MAIN CABLES, EQUIPOTENTIAL BONDING CABLES

		Equipment side	Instrument side	
TE780	1.5 m			
TE730	5.0 m			Grounding-type European plug
TE734	5.0 m			
				For Great Britain and Ireland
TE735	3.5 m			
				For USA, Canada and Japan
TE676	1.0 m			
TE736	2.5 m			IEC 60320 connector (non-heating equipment)
TA008205	0.8 m			
GK534	1.5 m			Equipotential bonding cable
GK535	4.0 m			
GK537	5.0 m			

UNIT CART



GN330

Unit cart with sliding handle for electrosurgical units, W x H x D:

520 x 900 x 570 mm

PV951R

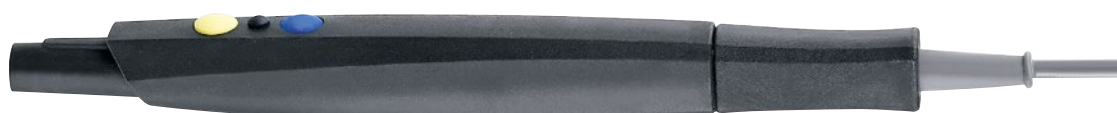
Wire basket, W x H x D:

370 x 225 x 285 mm

MONOPOLAR EQUIPMENT FOR OPEN SURGERY

ELECTRODE HANDLES

Electrode handles, with two finger pushbottoms



GN230 4.5 m

AESCULAP®

ACMI

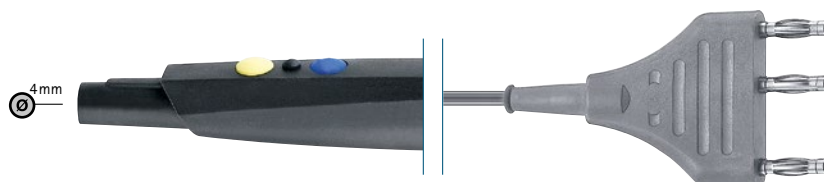
Berchtold®

Bowa

Conmed®

KLS Martin

Valleylab™



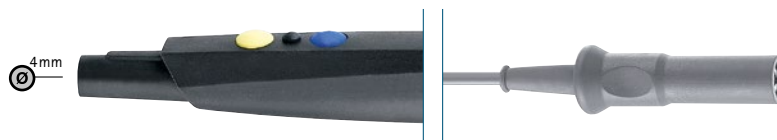
GN236 4.5 m

AESCULAP®

ACMI

Berchtold®

KLS Martin

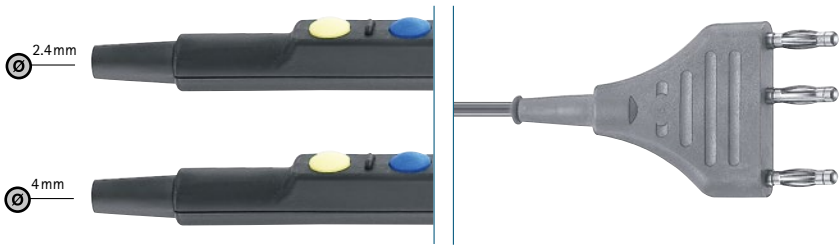


Electrode handles, with two finger pushbottoms



GN232 4.5 m
GN231 4.5 m

AESULAP®
ACMI
Berchtold®
Bowa
Conmed®
KLS Martin
Valleylab™



Monopolar

ELECTRODE HANDLES

Electrode handle, without finger pushbuttons



GK252Y 3.5 m

AESCULAP®

ACMI

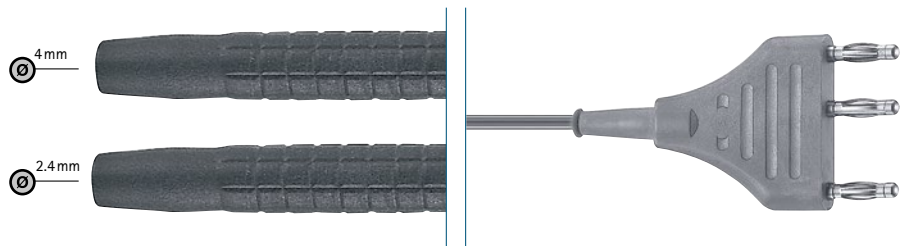
Berchtold®

Bowa

Conmed®

KLS Martin

Valleylab™



Single use electrode handle, with finger pushbuttons



GN211 3.0 m

Single Use

AESCULAP®

ACMI

Berchtold®

Bowa

Conmed®

KLS Martin

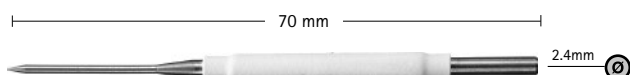
Valleylab™

Sales unit: Package of 50 pieces, in individual sterile packs

GK165R

Single Use

Needle electrodes



Sales unit: Package of 50 pieces, in individual sterile packs

SHORT WORKING ELECTRODES

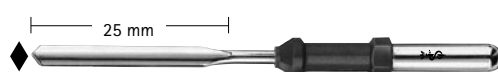
GK110R* Ø 4.0 mm

GK140R Ø 2.4 mm



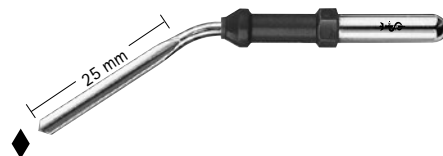
Knife electrodes

with hexagon anti-twist protection



GK112R* Ø 4.0 mm

GK113R Ø 4.0 mm



Cutting electrodes

Ø 4.0 mm



Ø 2.4 mm



GK114R* Ø 4.0 mm

GK144R Ø 2.4 mm



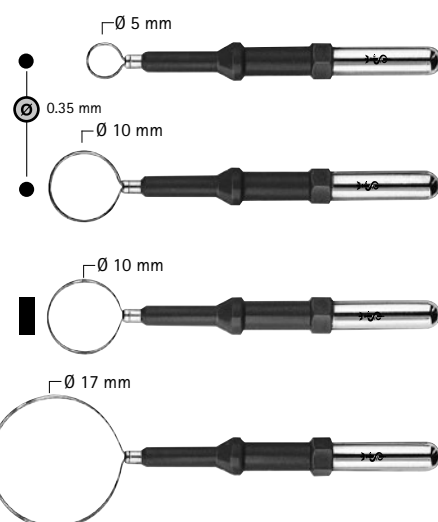
MAGNAU
Needle electrodes

GK115R* Ø 4.0 mm

GK116R Ø 4.0 mm

GK117R Ø 4.0 mm

GK118R Ø 4.0 mm



Loop electrodes

Monopolar

SHORT WORKING ELECTRODES

GK121R* Ø 4.0 mm

Ball electrodes



Ø 4.0 mm



Ø 2.4 mm



GK174R

Surgical electrode set

consisting of: container, rack and 12 electrodes

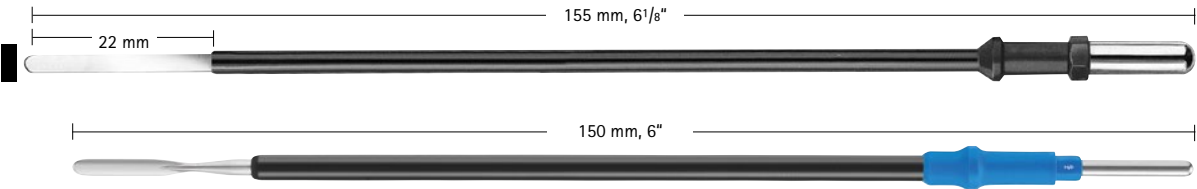
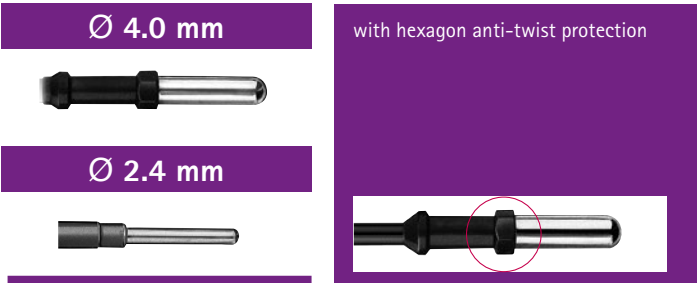


GK299

Wire brush for cleaning coagulation forceps and coagulation electrodes.



INSULATED LONG-SHANK ELECTRODES



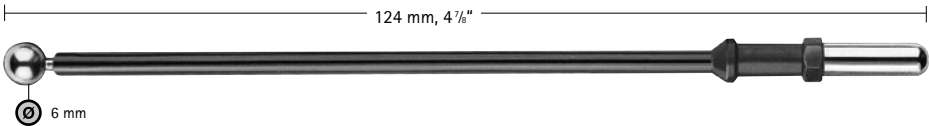
- GK125R $\varnothing 4.0\text{ mm}$
- GK155R $\varnothing 2.4\text{ mm}$

Knife electrodes



- GK127R $\varnothing 4.0\text{ mm}$

Needle electrodes

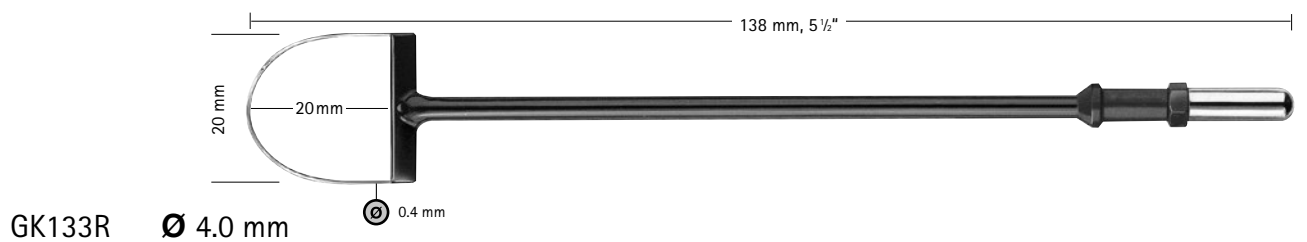
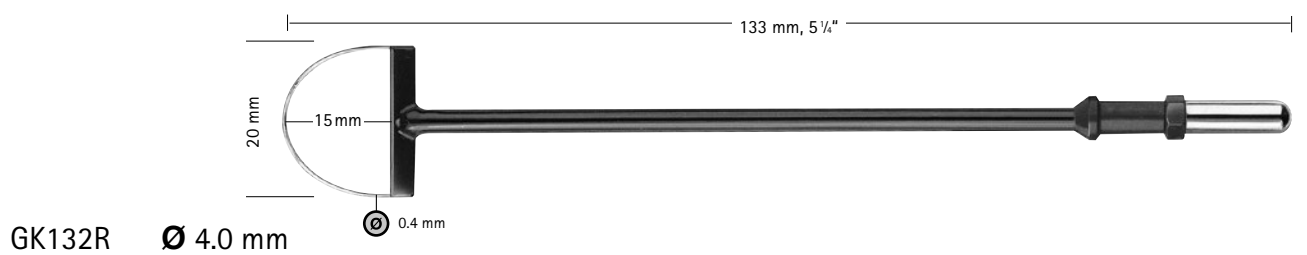
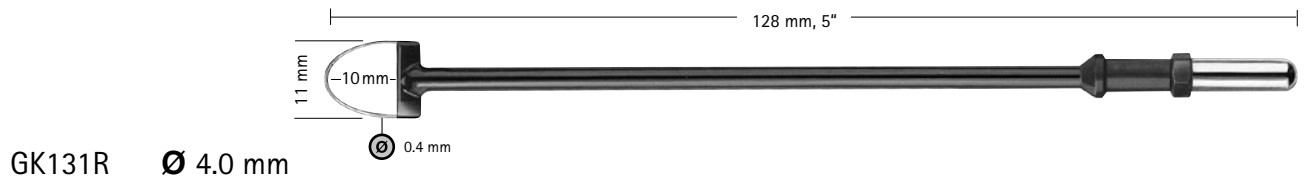


- GK129R $\varnothing 4.0\text{ mm}$

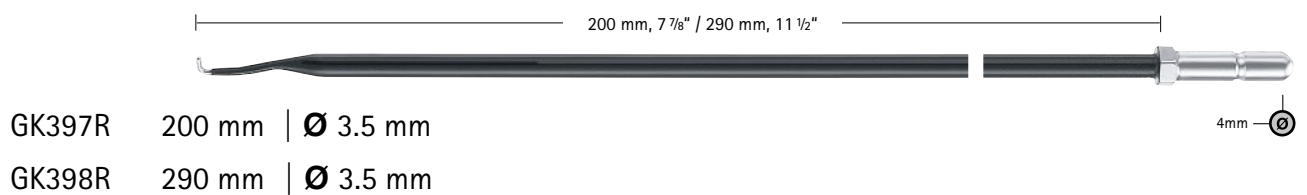
Ball electrodes

Monopolar

INSULATED LONG-SHANK ELECTRODES



Wire loop electrode for conization of the portio

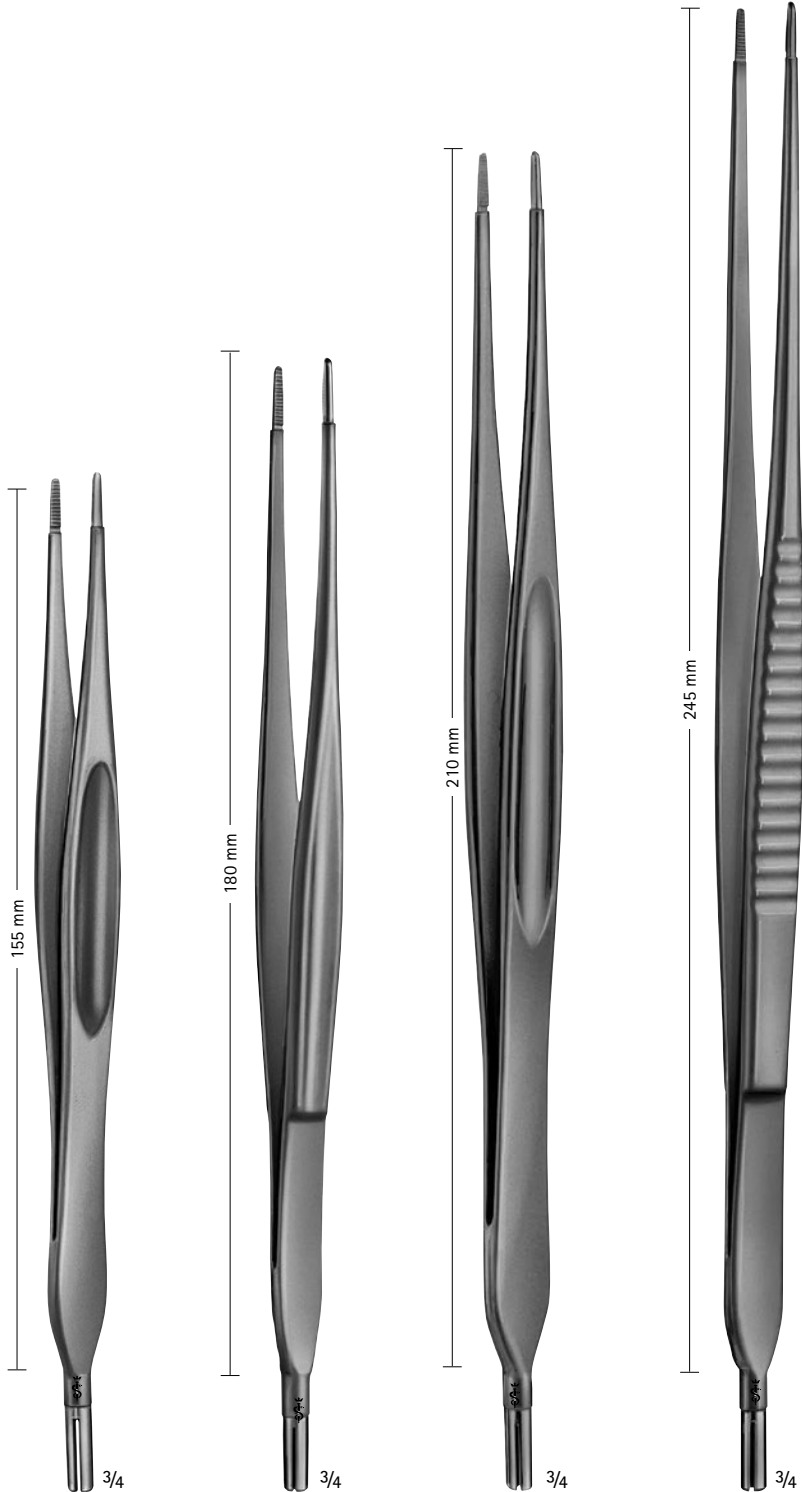


Hook electrode for use with electrode handle

MONOPOLAR FORCEPS, INSULATE



5 mm



	GK005R	GK007R	GK010R	GK013R
Total length	180 mm, 7 1/8"	200 mm, 7 7/8"	230 mm, 9"	270 mm, 10 5/8"



5 mm



4 mm



McINDOE

GK009R

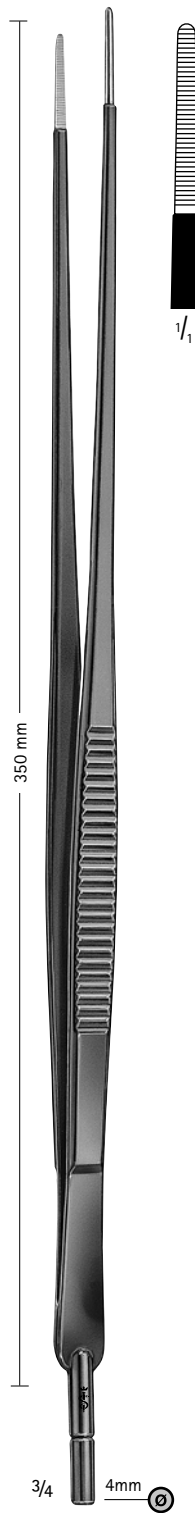
175 mm, 6 7/8"



WAUGH

GK016R

230 mm, 9"



GK033R

350 mm, 13 3/4"



1/1

Total length

Monopolar

COAGULATION SUCTION CANNULA



4 mm

GK550 **Ø 5.0 mm**
LANDOLT
Coagulation suction cannula with mandrin



NEUTRAL ELECTRODES

SINGLE USE PATIENT PLATES

AESCULAP® Plate

for children: Max. 200 W, < 5-15 kg 

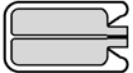
GK083  72 cm² (*)
25 pieces individually packed

GK084  71 cm² (*) (**)
25 pieces individually packed

for adults

GK081  144 cm² (*) (**)
25 pieces individually packed

GK091  144 cm² (*) (**)
50 pieces in peel packs of 5 each

GK101  144 cm² (*) (**)
PE bag of 50

Universal plate:

GK107  110 cm² (*) (**)
50 pieces in peel packs of 5 each

(*) Conductive area

(**) Only for units with REM function



GN249 3.5 m

GN245 5.0 m



AESCULAP® (GN)
Erbe (T, ACC, ICC)
KLS Martin (System 2000, ME)
Berchtold (Elektrotom)
Eschmann (TD 411, TD 850)

AESCULAP® connecting cable for single use electrodes



GK083



GK084



GK081

GK091

GK101



GK107



GK190 5.0 m

Conmed
Erbe International
ErbeVio
Valleylab

Valleylab standard non-REM cable plug



GK083



GK191 5.0 m

Conmed
Erbe International
ErbeVio
Valleylab

Valleylab REM cable plug



GK084



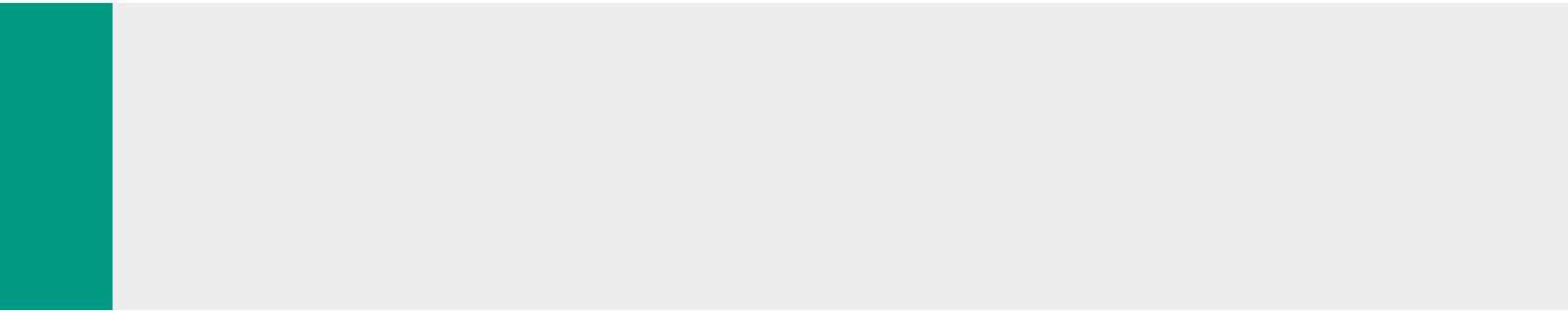
GK081

GK091

GK101



GK107



BIPOLAR EQUIPMENT – COAGULATION FORCEPS

ROSE GOLD NON-STICK BIPOLAR FORCEPS COAGULATION FORCEPS



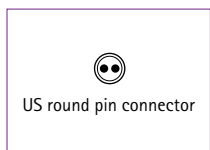
ROSE GOLD
NON-STICK
BIPOLAR
FORCEPS

FEATURES

The employed materials allow for a high heat conductivity and a high electrical conductivity. This combination enables a quicker heat dispersion over and away from the tips.



Bipolar



0.25 mm		US486	US487	US493	US494	US495	US496
0.5 mm		US403	US488	US600	US610	US615	US530
0.7 mm		US404	US489	US601	US611	US616	US620
1.0 mm		US405	US490	US602	US612	US617	US621
1.5 mm		US406	US491	US603	US613	US618	US173
2.0 mm		US407	US492	US604	US614	US619	US531
Total length		150 mm, 6"	170 mm, 6 3/4"	190 mm, 7 1/2"	215 mm, 8 1/2"	230 mm, 9"	255 mm, 10"

ROSE GOLD NON-STICK BIPOLAR FORCEPS COAGULATION FORCEPS

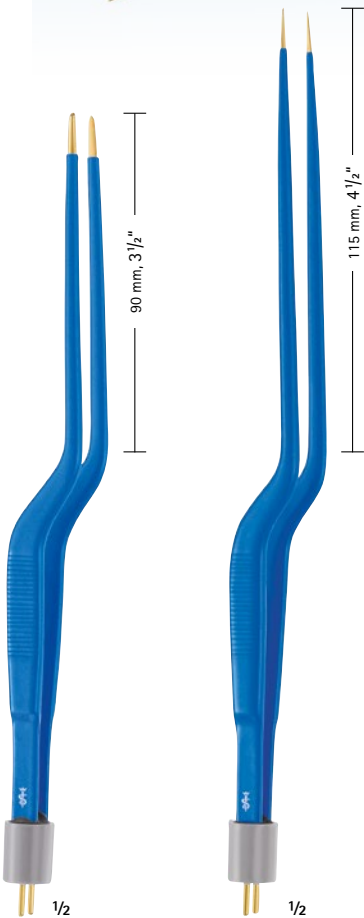
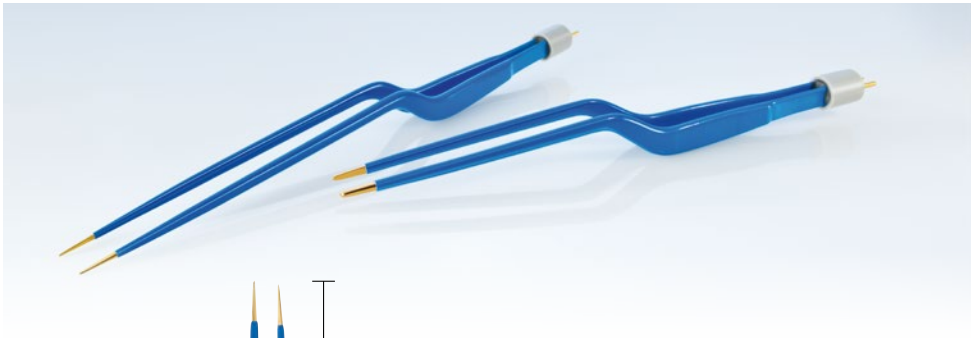


 US round pin connector		   			
 0.4 mm		-	-	US172	-
 0.5 mm		US161	-	-	-
 0.5 mm up		-	US164	-	-
 1.0 mm		US162	-	-	US171
 1.5 mm		US163	-	-	-
Total length		220 mm, 8 3/4"	220 mm, 8 3/4"	100 mm, 4"	125 mm, 5"

ROSE GOLD NON-STICK BIPOLAR FORCEPS, SINGLE USE
COAGULATION FORCEPS



ROSE GOLD
NON-STICK
BIPOLAR FORCEPS
SINGLE USE



FEATURES

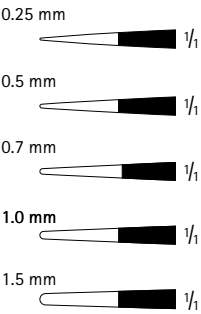
Using a new disposable forceps for every case means consistent coagulation quality

- Sterile
- Always ready to use
- No reprocessing

The employed materials allow for a high heat conductivity and a high electrical conductivity. This combination enables quick heat dispersion over and away from the tips which increases the non-stick characteristics.



US round pin connector



GK507SU	GK508SU
GK501SU	GK504SU
GK509SU	GK510SU
GK502SU	GK505SU
GK503SU	GK506SU

Total length — 190 mm, 7 1/2" 215 mm, 8 1/2"

② SU = Single Use

PAK= Package of 5 pieces

SINTRAM NON-STICK BIPOLAR FORCEPS COAGULATION FORCEPS



SINTRAM NON-STICK BIPOLAR FORCEPS

Sintram tip bipolar coagulation forceps reduce the adherence of coagulated tissue compared to standard coagulation forceps*



AESCULAP®
Tab connector

0.7 x 23 mm



GK614R

-

-

0.7 x 6 mm



GK644R

-

-

1.0 x 23 mm



-

GK615R

GK616R

1.0 x 6 mm



-

GK645R

GK646R

Total length

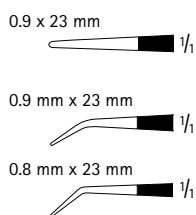
160 mm, 6 1/4"

185 mm, 7 1/4"

200 mm, 7 7/8"




 AESCULAP®
 Tab connector

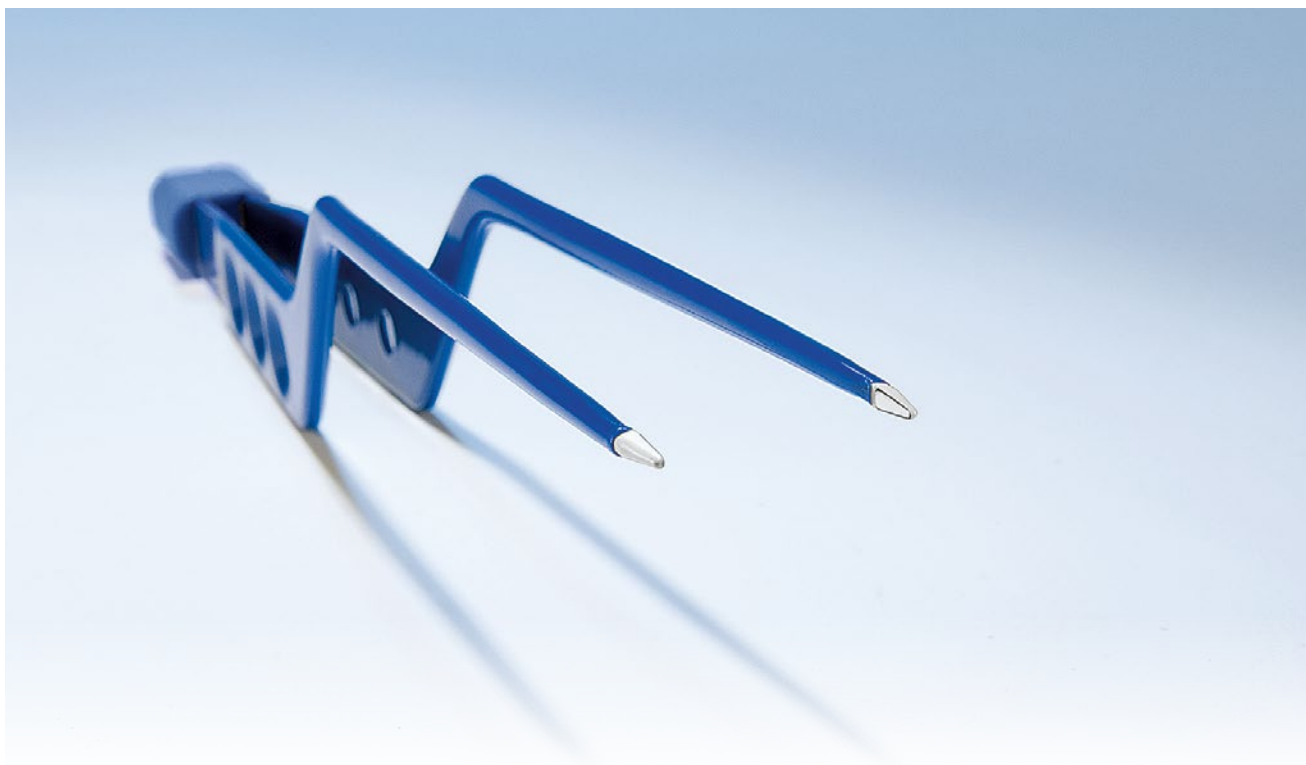


0.9 x 23 mm	GK604R	GK605R	GK606R	-	-
0.9 mm x 23 mm	-	-	-	GK624R	-
0.8 mm x 23 mm	-	-	-	-	GK625R
Total length	160 mm, 6 1/4"	185 mm, 7 1/4"	200 mm, 7 7/8"	160 mm, 6 1/4"	200 mm, 7 7/8"

Bipolar

BiProtect FORCEPS

COAGULATION FORCEPS

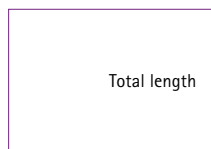
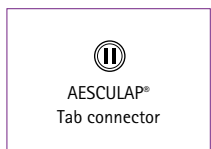
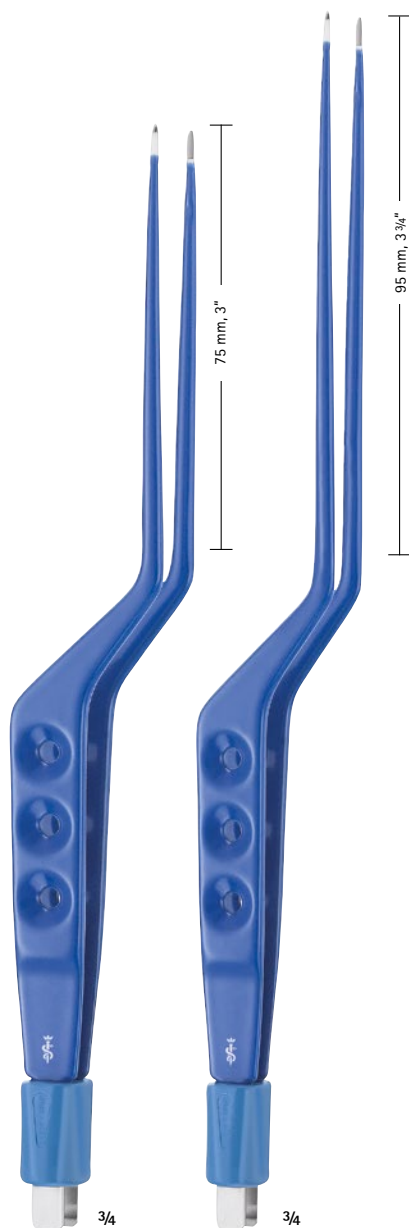


FEATURES

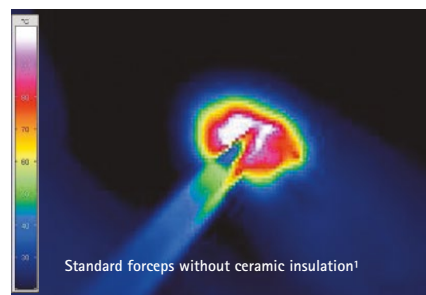
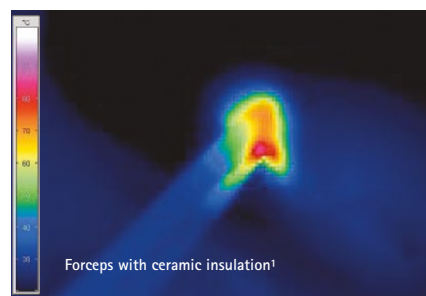
BiProtect

Ceramic is an electrical insulator. The ceramic insulation surrounding the outer instrument tip effectuates a heat concentration on the inner and front part of the tips. This can be helpful when working in narrow spaces surrounded by sensitive structures which need to be preserved. Together with the fine instrument tips BiProtect forceps were designed for particularly targeted and precise coagulation.



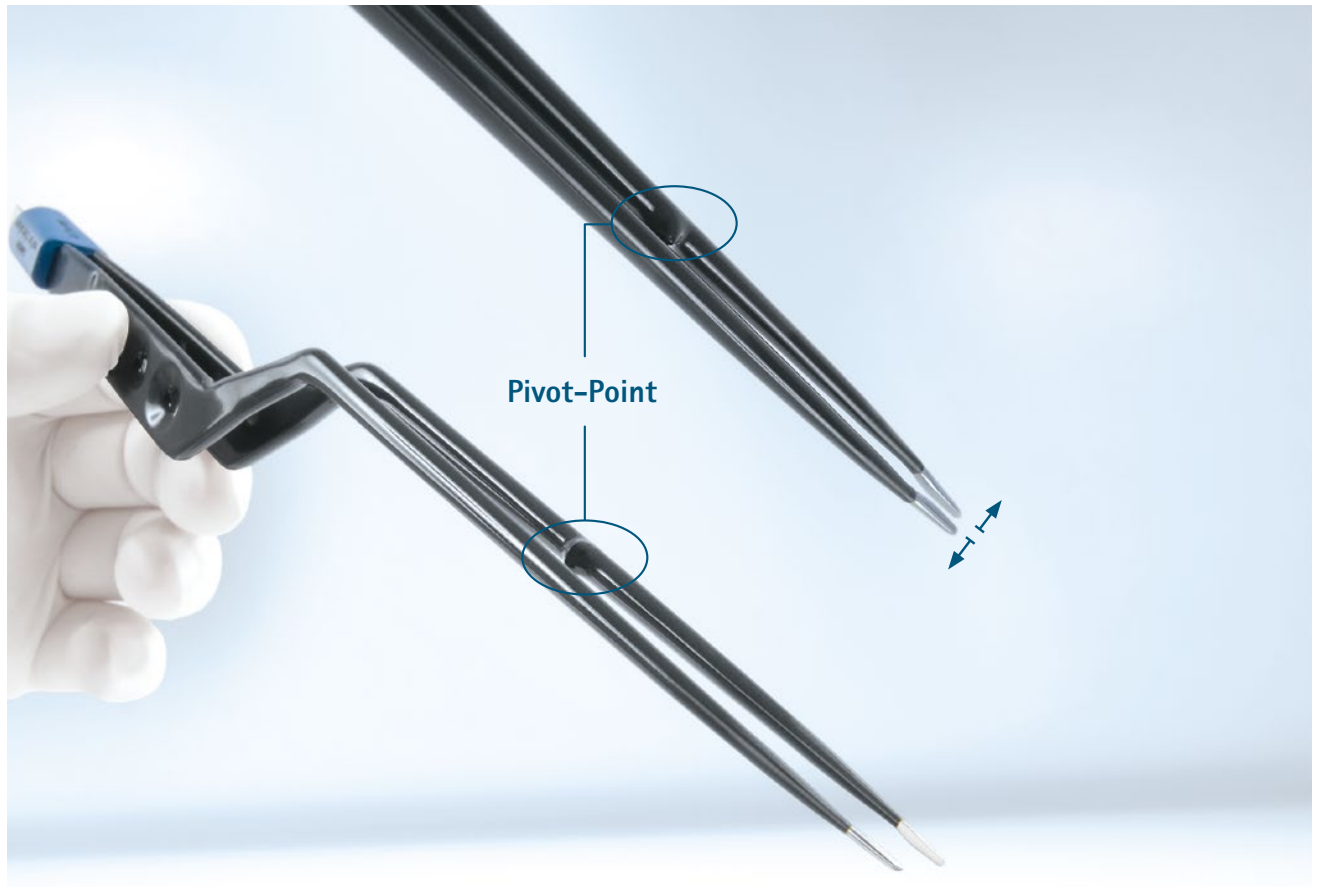


GL470R	GL480R
GL471R	GL481R
195 mm, 7 3/4"	215 mm, 8 1/2"



¹ Both figures were generated in vitro on animal tissue with the the generator GN640 setting 10W / 15W, activation 8 sec. The ceramic insulated forceps showed a temperature peak lower than the uninsulated forceps. Insulated: 10W: ~80°C, 15W~ 95°C Uninsulated: 10W: ~98°C, 15W~ 180°C

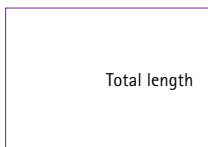
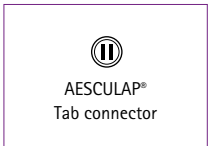
PIVOT-POINT BIPOLAR FORCEPS COAGULATION FORCEPS



FEATURES

The Pivot-Point forceps were designed for bipolar coagulation in the deep seated and narrow surgical fields. Coagulating in these areas can be difficult as the forceps tips close and prevent current flow into the tissue. By applying additional force to the closed forceps, the Pivot-Point will reopen the tips and enable coagulation in these areas. The Pivot-Point bipolar forceps is designed with a Yasargil handle and especially slender working ends for deep operations and narrow approaches.





	GK822R	GK826R	GK823R	GK827R
	GK824R	GK828R	GK825R	GK829R
Total length	215 mm, 8 1/2"	255 mm, 10"	215 mm, 8 1/2"	255 mm, 10"

CASPAR

COAGULATION FORCEPS



FEATURES

- Slimline, petite shape for delicate work.
- Forceps tips with rounded, polished surfaces.
- Parallel guidance for matching of forceps tips.


AESCULAP®
Tab connector

0.2 mm		1/16
0.5 mm		1/16
1.0 mm		1/16
2.0 mm		1/16

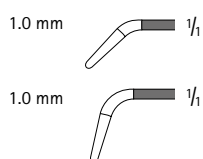
GK899R	GK929R	GK959R
GK900R	GK930R	GK960R
GK910R	GK940R	GK970R
GK920R	GK950R	GK980R

Total length

165 mm, 6 1/2"

195 mm, 7 5/8"

220 mm, 8 5/8"



GK972R	GK974R	-	-
-	-	GK976R	GK978R
Total length	220 mm, 8 5/8"	215 mm, 8 1/2"	215 mm, 8 1/2"

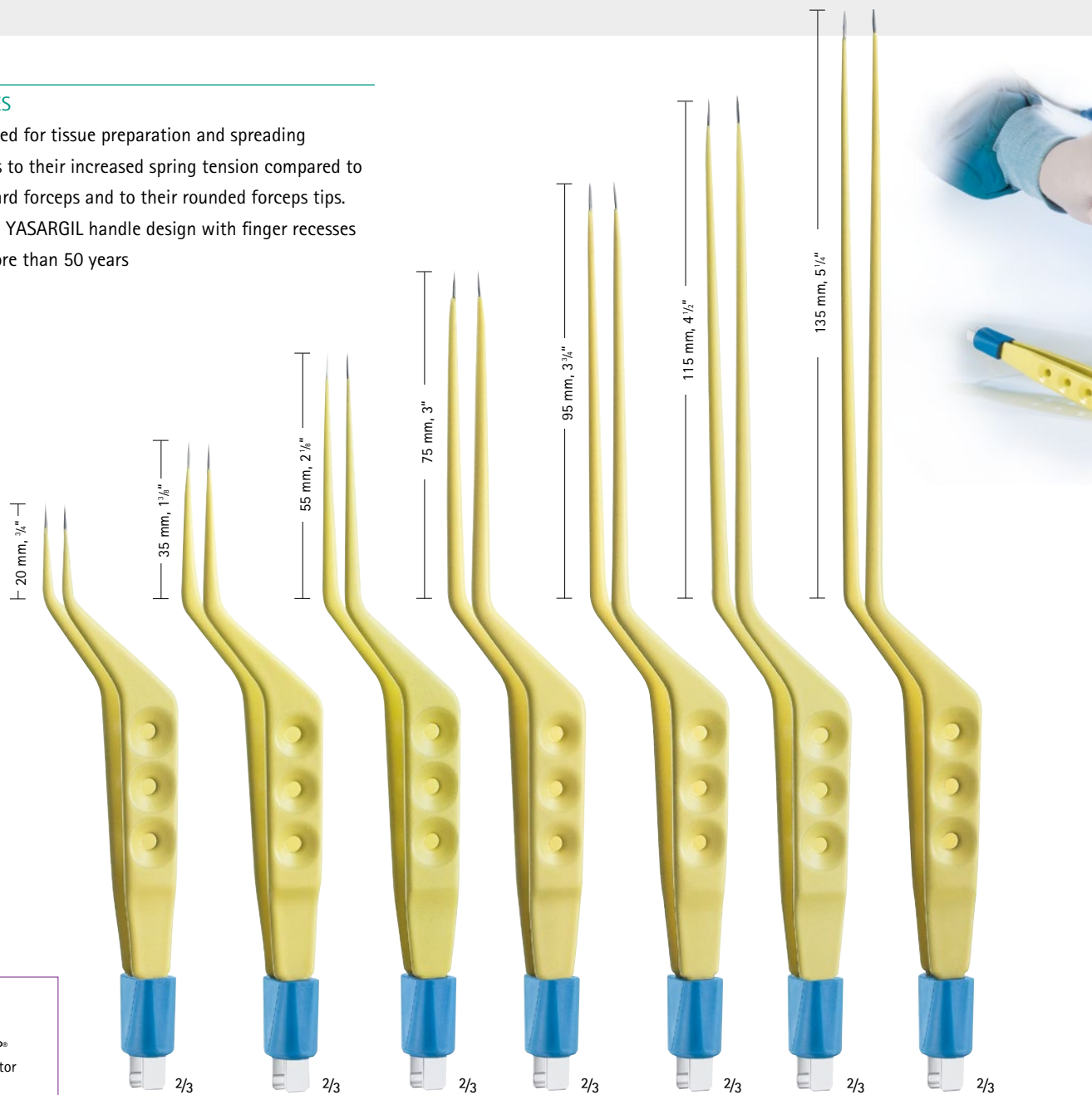
Bipolar

YASARGIL

COAGULATION FORCEPS

FEATURES

- Designed for tissue preparation and spreading thanks to their increased spring tension compared to standard forceps and to their rounded forceps tips.
- Proven YASARGIL handle design with finger recesses for more than 50 years




AESCULAP®
Tab connector

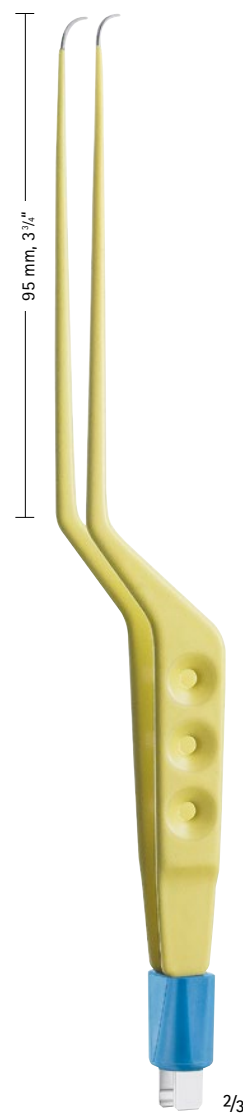
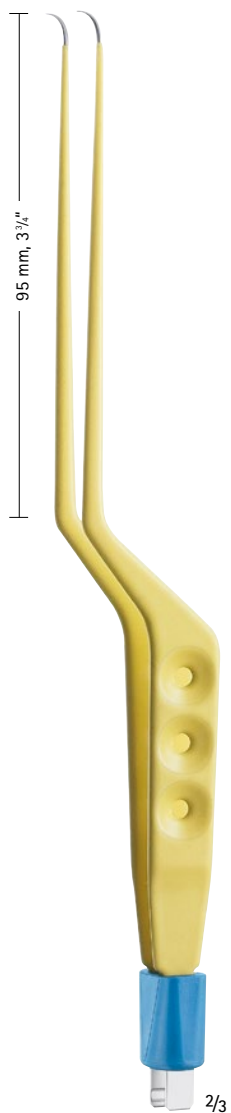
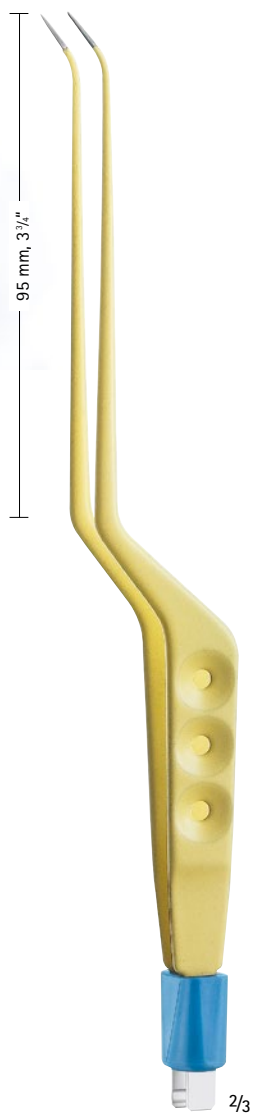
0.4 mm 	GK746R	GK760R	GK764R	GK768R	GK772R	GK788R	-
0.7 mm 	GK747R	GK761R	GK765R	GK769R	GK773R	GK789R	GK793R
1.0 mm 	GK748R	GK762R	GK766R	GK770R	GK774R	GK790R	-
1.3 mm 	GK749R	GK763R	GK767R	GK771R	GK775R	GK791R	-

Total length

140 mm, 5 1/2" 155 mm, 6 1/8" 175 mm, 6 7/8" 195 mm, 7 5/8" 215 mm, 8 1/2" 235 mm, 9 1/4" 255 mm, 10"

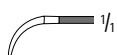


Bipolar



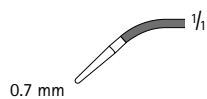
0.4 mm

-

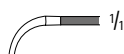


GK780R

-



GK777R



GK781R



GK785R

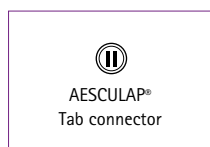
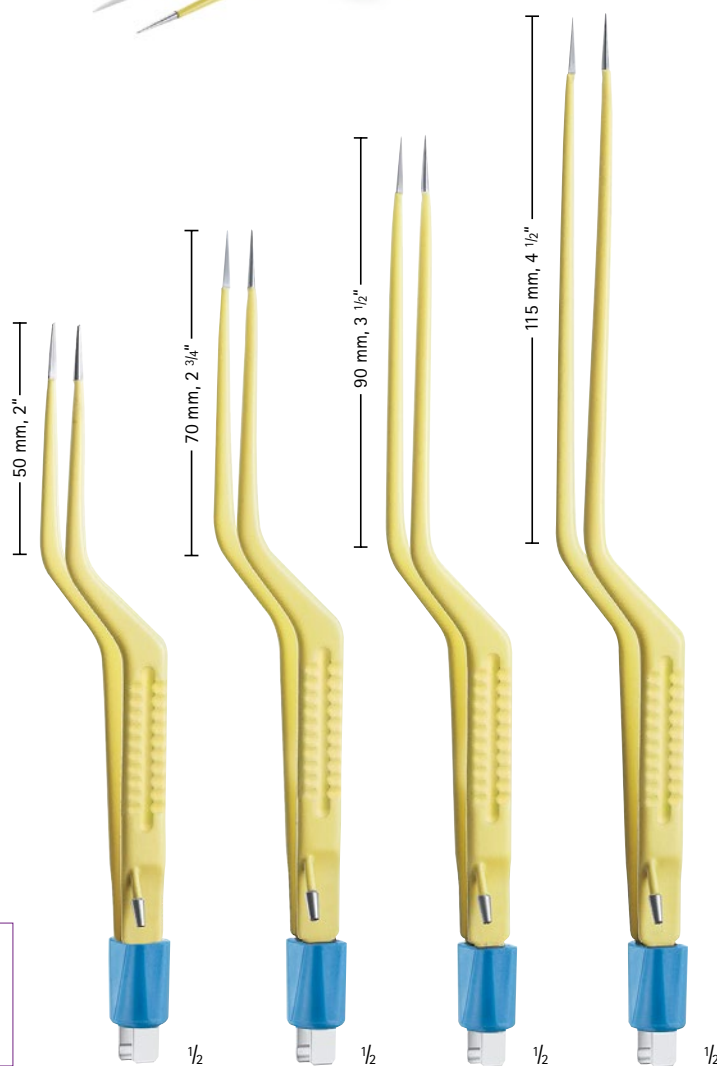
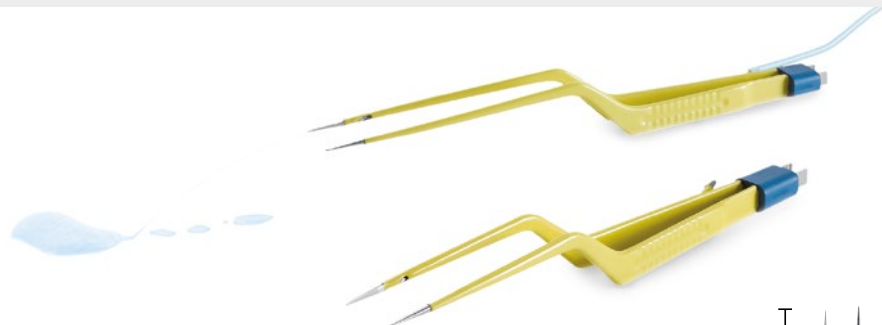
Total length

215 mm, 8 1/2"

215 mm, 8 1/2"

215 mm, 8 1/2"

YASARGIL IRRIGATION COAGULATION FORCEPS



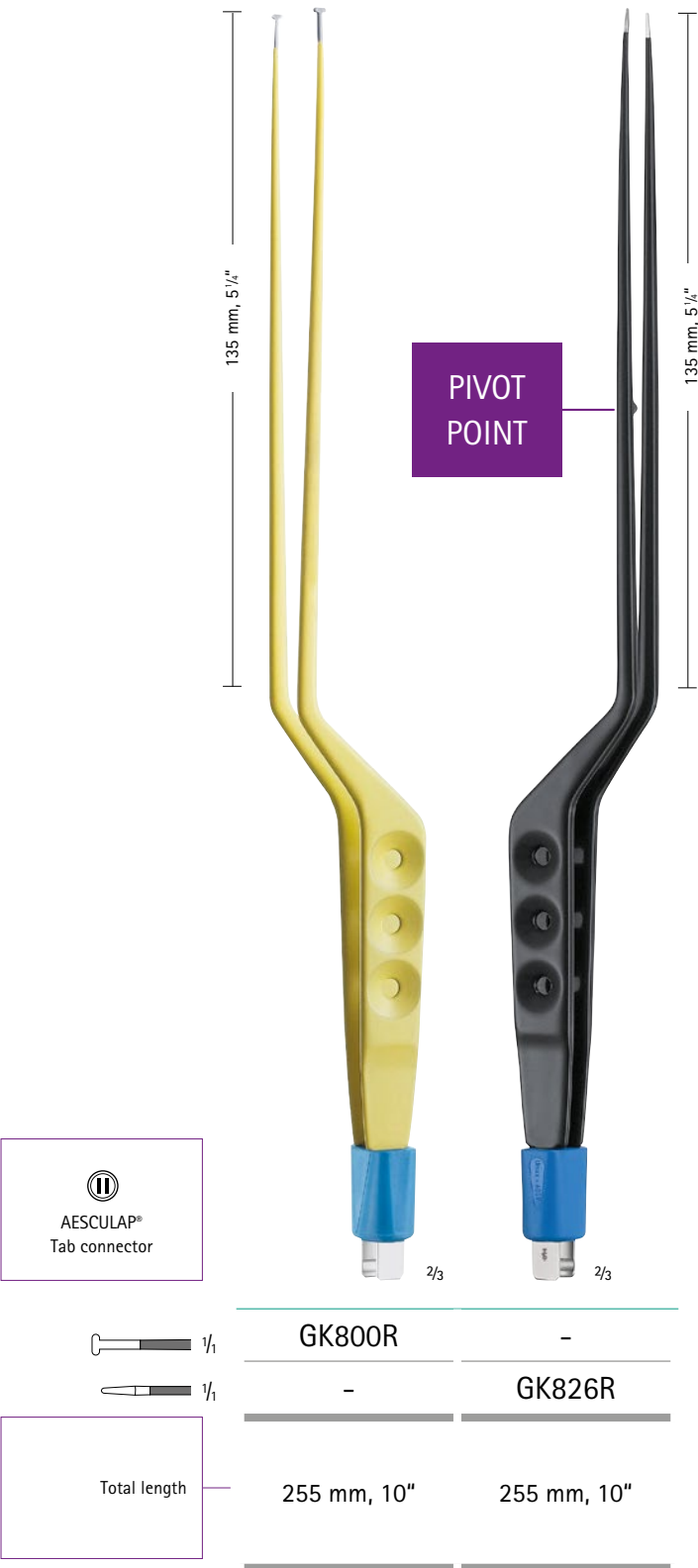
0.4 mm  1/16"	-	GK840R	GK843R	GK846R
0.7 mm  1/16"	GK838R	GK841R	GK844R	GK847R
1.3 mm  1/16"	-	GK842R	GK845R	GK848R

Total length	165 mm, 6 1/2"	180 mm, 7"	205 mm, 8"	230 mm, 9"
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HYPOPHYSECTOMY COAGULATION INSTRUMENTS

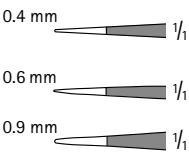


Coagulation forceps
for grasping and coagulating at the surgical
site, especially in the pituitary area



Bipolar

STANDARD COAGULATION FORCEPS



GK690R	-	-	-
-	GK720R	-	-
-	GK722R	GK723R	GK730R
120 mm, 4 3/4"	160 mm, 6 1/4"	160 mm, 6 1/4"	200 mm, 7 7/8"



AECULAP®
round pin connector

0.6 mm  1/1

GK660R

GK670R

GK675R

GK677R

0.9 mm  1/1

-

GK671R

-

GK679R

Total length

160 mm, 6 1/4"

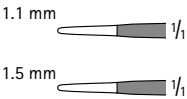
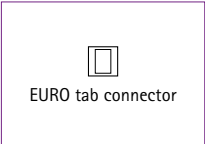
200 mm, 7 7/8"

220 mm, 8 2/3"

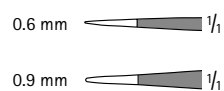
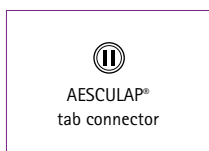
240 mm, 9 1/2"

Bipolar

STANDARD COAGULATION FORCEPS



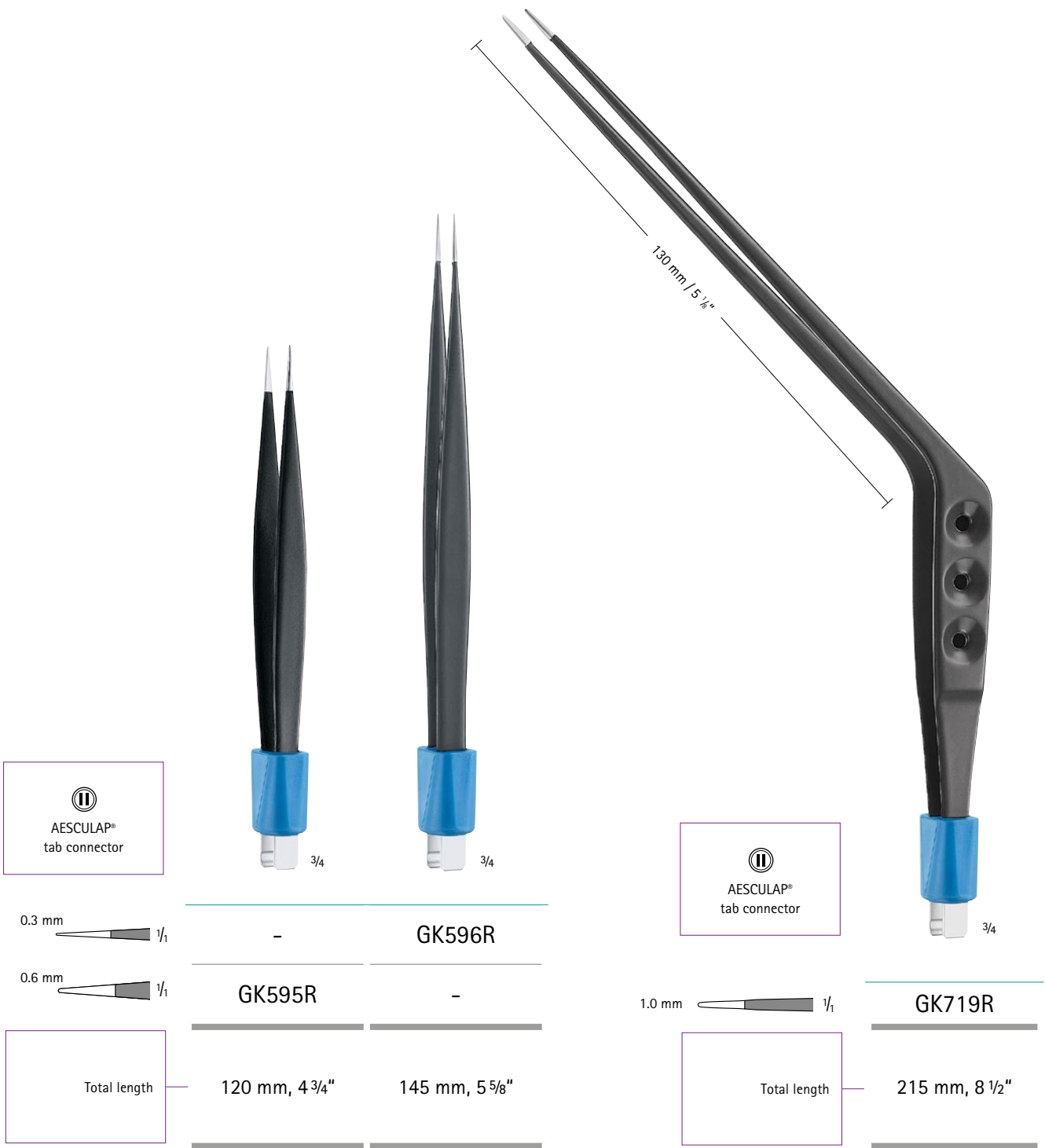
	GK809R	GK807R	GK808R
1.1 mm	-	-	-
1.5 mm	-	-	-
Total length	125 mm, 4 7/8"	175 mm, 6 7/8"	220 mm, 8 2/3"



GK700R	-	-	-
GK701R	GK703R	GK711R	GK713R
160 mm, 6 1/4"	200 mm, 7 7/8"	160 mm, 6 1/4"	200 mm, 7 7/8"

Bipolar

STANDARD COAGULATION FORCEPS
MICRO AND LABORATORY FORCEPS



Micro and Laboratory Forceps

Standard Coagulation Forceps

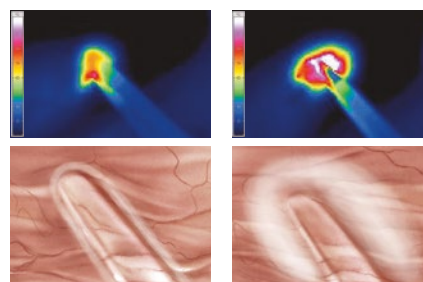
BipoJet® BIPOLAR INSTRUMENTS



BipoJet® Scissors, cutting and coagulating in one step



BipoJet® forceps, defined coagulation area – low thermal spread¹



BipoJet® Forceps

Conventional Forceps

FEATURES

BipoJet® bipolar instruments represent technical solutions and improved product characteristics, compared to standard bipolar instruments, for the benefit of the user.

Particularly important are the ceramic components used in all BipoJet® instruments. Ceramic is a hard and heat resistant material.

For this reason, we use special ceramic components for our BipoJet® instruments to insulate the working area. For forceps, the practical advantages are the lower thermal spread in the coagulation zone and the reduction of collateral coagulation damage compared to conventional bipolar instruments¹. BipoJet® scissors have a solid ceramic insert scissors blade for insulation to allow simultaneous dissection and coagulation.

¹ Both figures were generated in vitro on animal tissue with the the generator GN640 setting 10W / 15W, activation 8 sec.

The ceramic insulated forceps showed a lower temperature peak as the uninsulated forceps.

- Insulated: 10W: ~80°C, 15W~ 95°C

- Uninsulated: 10W: ~98°C, 15W~ 180°C

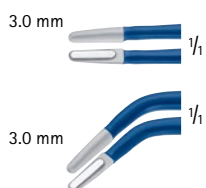


Anti-twist cable

BipoJet® BIPOLAR FORCEPS FULLY INSULATED TIP



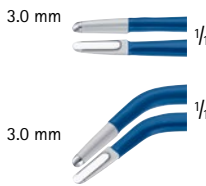
AESCULAP®
tab connector



Total length

GK881R	GK882R	GK883R	GK884R	GK885R	-	-
-	-	-	-	-	GK886R	GK685R
160 mm, 6 1/4"	200 mm, 7 7/8"	230 mm, 9"	250 mm, 9 7/8"	300 mm, 11 7/8"	200 mm, 7 7/8"	260 mm, 10 1/4"

BipoJet® BIPOLAR FORCEPS PARTLY INSULATED TIP



Total length	160 mm, 6 1/4"	200 mm, 7 7/8"	230 mm, 9"	250 mm, 9 7/8"	300 mm, 11 7/8"	200 mm, 7 7/8"
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Bipolar

BipoJet® METZENBAUM BIPOLAR DISSECTING SCISSORS



BC691R

BC692R

BC693R



BC694R

BC695R

BC696R

Total length

120 mm, 4 1/2"

140 mm, 5 1/2"

160 mm, 6 1/4"



BC697R

BC698R

BC699R

Total length

180 mm, 7 1/8"

230 mm, 9"

280 mm, 11"

METZENBAUM BIPOLAR DISSECTING SCISSORS



Total length

BC685R	BC687R	BC689R
BC686R	BC688R	BC690R
180 mm, 7 1/8"	230 mm, 9"	280 mm, 11"



BIPOLAR CONNECTING CABLES FOR BipoJet® SCISSORS

			Equipment side	Instrument side
GN081	5 m	AESCULAP® Berchtold KLS Martin R. Wolf		
GN082	5 m	Bowa Erbe Storz		
GN085	5 m	AESCULAP® Bowa Lamidey Söring Valleylab		
GN145	5 m	ERBE-International		
GN146	5 m	Codman CMC I CMC II		

JG884R Ceramic protector for fine BipoJet scissors BC691R – BC696R



* All BipoJet instruments are delivered with a fitting ceramic protector as standard.

JG885R Ceramic protector for BipoJet scissors BC685R – BC690R and bipolar clamps BH686R – BH689R



GK890P Ceramic protector for BipoJet forceps GK881R – GK886R. Can also be used as a tip protector for other fine forceps. Pack of 5 pieces



CABLES AND ADAPTER

BIPOLAR CONNECTING CABLES

Equipment side		Instrument side	
			
	Used e.g. at these units:		
	AESCULAP® (all units) ACMI Berchthold KLS Martin Wolf	GN130 (3 in 1)	GN130 (3 in 1)
	Bowa Erbe Storz Olympus ESG-400	GN131 (3 in 1)	GN131 (3 in 1)
	Erbe Int.	GN132 (3 in 1) GK290SU	GN132 (3 in 1)
	AESCULAP® GN300, GN060 (SN < =4000)	GN228 (Adapter) + GN133 GN228 (Adapter) + GK291SU	GN228 (Adapter) + GN133
	AESCULAP® GN640, GN160, GN060 (SN > =4000) Bowa Lamidey Söring Valleylab Olympus UES-40, ESG-400	GN133 (3 in 1) GK291SU	GN133 (3 in 1) GK331
	Conmed	GN219 (Adapter) + GN133 GN219 (Adapter) + GK291SU	GN219 (Adapter) + GN133

SU = Single Use cable

 AESCULAP®
- Tab connector

 AESCULAP®
- Round pin connector
Pin Ø 1.6 mm

 - US round pin connector
Pin Ø 1.85 mm

 - Euro tab connector



AESCULAP® Landolt

AESCULAP® BipoJet



GN130 (3 in 1)

GN076

GN075

GN081

GN131 (3 in 1)

GK185

GN082
(BipoJet Connection)

GN082

GN132 (3 in 1)
[GK290SU](#)

GN226 (Adapter) + GK194

GN226 (Adapter) + GK195
GN145 (BipoJet
Connection)

GN145

GN228 (Adapter) + GN133
GN228 (Adapter) +
[GK291SU](#)

GN228 (Adapter) + GK194

GN228 (Adapter) + GK195

GN228 (Adapter) + GN085

GN133 (3 in 1)
[GK291SU](#)

GK194

GK195

GN085

GN219 (Adapter) + GN133
GN219 (Adapter) +
[GK291SU](#)

GN219 (Adapter) + GK194

GN219 (Adapter) + GK195

GN219 (Adapter) + GN085

BIPOLAR CONNECTING CABLES

Equipment side		Instrument side	
		Ⓜ	Ⓢ
	Used e.g. at these units:		
 38 mm	Codman	GN134 (3 in 1) GK292SU	GN134 (3 in 1)
	AESCULAP® GK050, GK051	GK328	GK329
	Codman	GK217	

SU = Single Use cable
(PAK= Package of 10 pieces)



AESCULAP®
- Tab connector



AESCULAP®
- Round pin connector
Pin Ø 1.6 mm



- US round pin connector
Pin Ø 1.85 mm



- Euro tab connector



AESCULAP® Landolt

AESCULAP® BipoJet



GN134 (3 in 1)
GK292SU

GN224 (Adapter) + GK194

GN224 (Adapter) + GK195

GN224 (Adapter) + GN085
GN146 (only for CMC I & II)

MONOPOLAR CONNECTING CABLES

		Equipment side	Instrument side
GN202	3.5 m		
GN204	3.5 m		
		AESCULAP® ACMI Berchtold KLS Martin	
GK239	3.5 m		
		Erbe, ACC/ICC/VIO Bowa Olympus, ESG-400	
GK245	3.5 m		
		Bowa Erbe T Olympus, ESG-400	
GK246	3.5 m		
GK181	3.5 m		
		ACMI Bowa Conmed Erbe, ICC Eschmann intern. Valleylab Olympus, ESG-400 Olympus, UES-40 US-Norm	

ELECTROSURGICAL ENDOSCOPY

Caiman® - ADVANCED BIPOLAR SEAL AND CUT TECHNOLOGY



Learn more about Caiman® Seal and Cut Instruments by visiting www.bbraun.com/caiman and Caiman® App.

For further information, see catalogue C90202

One seal confidence

State of the art vessel sealing with only one energy activation.¹

Uniform tissue compression

Leads to consistent sealing quality from distal to proximal tip.¹

Tip first closure

Retains tissues within the jaws for improved compression.¹

Tissue Dissection

Fine curved Maryland jaw design allows increased dissection performance and enhanced tip visualization.²

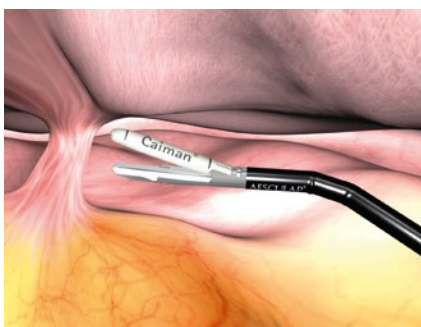
Long jaw tip

Enlarged vessel sealing length and improved surgical efficiency.¹

80 degree articulation jaw

Allows simplified navigation in challenging anatomy.³

- 1 Eick, S., Loudermilk, B., Walberg, E. et al. Rationale, bench testing and in vivo evaluation of a novel 5 mm laparoscopic vessel sealing device with homogeneous pressure distribution in long instrument jaws. *Ann Surg Innov Res* 7, 15 (2013).
- 2 The Maryland jaw design was rated by 30 surgeons with very good (43,3 %) and good (53,3 %). Fine dissection was rated by 28 surgeons with very good (53,6 %) and good (46,4 %). The tip visibility was rated by 23 surgeons with very good (56,5 %) and good (43,5 %) in a laparoscopic setting.
- 3 Aaron C. Voegelé, Donna L. Korvick, Mario Gutierrez et al. Perpendicular blood vessel seals are stronger than those made at an angle. *Journal of Laparoendoscopic & Advanced Surgical Techniques*. Aug 2013.669-672.

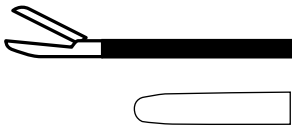
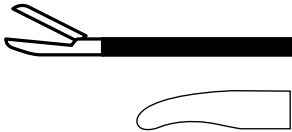
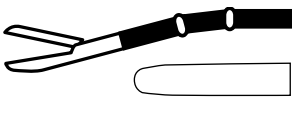
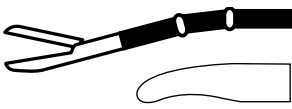
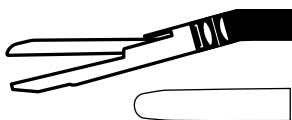


Strong Uniform Compression

Red represents minimum required pressure (or greater).
Blue represents insufficient pressure.¹

Internal test procedure according to Eick, S., Loudermilk, B., Walberg, E. et al. Rationale, bench testing and in vivo evaluation of a novel 5 mm laparoscopic vessel sealing device with homogeneous pressure distribution in long instrument jaws. *Ann Surg Innov Res* 7, 15 (2013).

ADVANCED BIPOLAR SEAL AND CUT TECHNOLOGY

		Shaft diameter	Working length	Pcs per pack
	Caiman® 5, NON ARTICULATING JAW			
	PL718SU* / PL738SU**	5 mm	24 cm	6
	PL720SU* / PL740SU**	5 mm	36 cm	6
	PL722SU* / PL742SU**	5 mm	44 cm	6
	Caiman® 5, NON ARTICULATING MARYLAND JAW			
	PL754SU* / PL774SU**	5 mm	12.5 cm	6
	PL755SU* / PL775SU**	5 mm	17 cm	6
	PL750SU* / PL770SU**	5 mm	36 cm	6
	PL752SU* / PL772SU**	5 mm	44 cm	6
	Caiman® 5, ARTICULATING JAW			
	PL719SU* / PL739SU**	5 mm	24 cm	6
	PL721SU* / PL741SU**	5 mm	36 cm	6
	PL723SU* / PL743SU**	5 mm	44 cm	6
	Caiman® 5, ARTICULATING MARYLAND JAW			
	PL751SU* / PL771SU**	5 mm	36 cm	6
	PL753SU* / PL773SU**	5 mm	44 cm	6
	Caiman® 12, ARTICULATING JAW			
	PL730SU	12 mm	24 cm	3
	PL731SU	12 mm	44 cm	3

Lektrafuse RF-Generator



GN200

Lektrafuse RF-Generator, without main cable

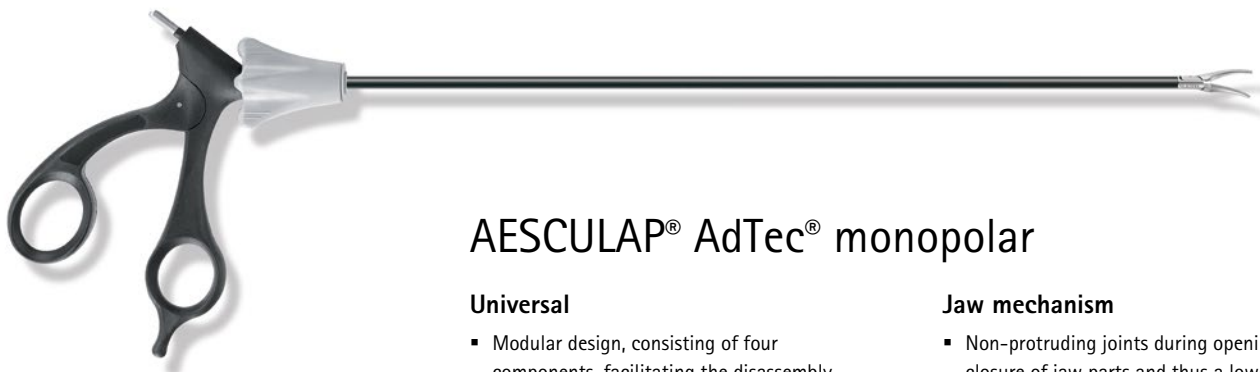


GN201

Single pedal foot switch for GN200

* Ordering number for the following countries: CN, KR, BR, JP, RU, BO, CO, MY, SG, AR, EC, TW

** Ordering number for the following countries: UK, DE, FR, ES, PL, IT, SE, CZ, NL, BE, LU, PT, AT, CH, BA, DK, FI, IE, SK, NO, TR, HU, RO, BG, CY, SI, GR, KZ, US, ID, PH, AU, NZ, HK, MX, PE, AZ, CL, JO, KW, LY, NC, IN



AESCULAP® AdTec® monopolar

Universal

- Modular design, consisting of four components, facilitating the disassembly, reprocessing, maintenance and sterile supply

„One-Click“ design

- Assembly and disassembly in one step only

PEEK Insulation

- Enhanced spark protection and resisting characteristic
- Wear-resistant and sterilization-proof

Ratchet mechanism

- Ratchet can be deactivated
- Easier handling

Jaw mechanism

- Non-protruding joints during opening and closure of jaw parts and thus a lower risk that tissue or suture material gets caught in the jaw mechanism (for the majority of instruments)

Cleaning/ sterilization

- Sterilization of the assembled instrument possible

For further information, see catalogue C76602

AdTec® monopolar reusable





AESCULAP® AdTec® bipolar

Reliability

- Good coagulation results*
- Precise grasping and dissection of tissue*
- Reduced risk of "slipping effect" when grasping and dissecting due to jaw profile

For further information, see catalogue C75802

Universal

- Modular design, consisting of four components, facilitating the disassembly, reprocessing, maintenance and sterile supply

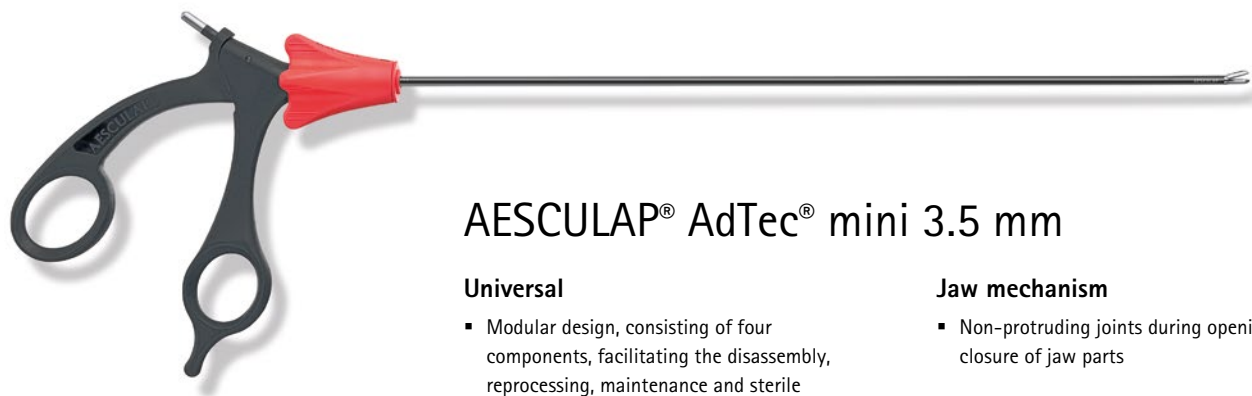
Transmission:

- Easier force adjustment through mechanical force transmission from the jaw part to the handle

AdTec® bipolar reusable



*According to feedback within the scope of a survey of 76 surgeons that use monopolar or bipolar AdTec instruments. The respective survey was conducted by Aesculap.



AESCULAP® AdTec® mini 3.5 mm

Universal

- Modular design, consisting of four components, facilitating the disassembly, reprocessing, maintenance and sterile supply

Ratchet mechanism

- Ratchet can be deactivated
- Easier handling

Transmission

- Easier force adjustment through mechanical force transmission from the jaw part to the handle

Jaw mechanism

- Non-protruding joints during opening and closure of jaw parts

Cleaning/ sterilization

- Sterilization of the assembled instrument possible

For further information, see catalogue C28511

AdTec® mini reusable



LAPAROSCOPY – MONOPOLAR ELECTRODES



GK372R

Handle for monopolar laparoscopic electrodes, diam. 5 mm

FEATURES

Modular design simplifies disassembly, cleaning, maintenance and sterile preparation.

- Bayonet connection
- Individual combinations possible
- Fast exchange of individual components due to modular design
- Ceramic tips
- Insulation up to the working tip

GK383R



Hook electrode, J-shaped

GK393R



Hook electrode, J-shaped

GK384R



Hook electrode, L-shaped



GK394R

Hook electrode, J-shaped, 90° curved to the right

GK385R



Ball electrode

GK386R



Spatula electrode

GK395R



Ball electrode, curved

PL170251



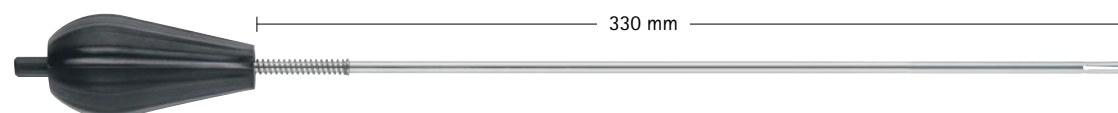
4 mm contact pin for HF connection
(5 pieces)

GK370P



Separate outer tube, diam. 5 mm

GK373R



Handle with inner tube, diam. 5mm

ARTHROSCOPY – ELECTRODES



GK436R

2 mm

Single Use

Single use mini hook electrode for small joints



GK432R

2.5 mm

GK433R

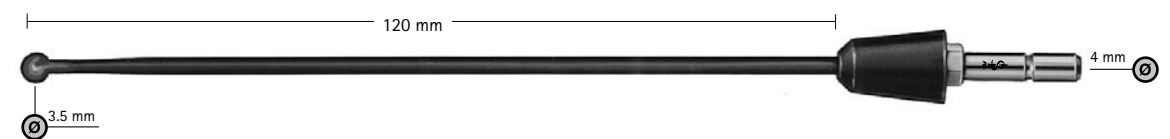
3.5 mm

GK434R

4.5 mm

Single Use

Single use hook electrode for arthroscopic operations



GK435R

Single Use

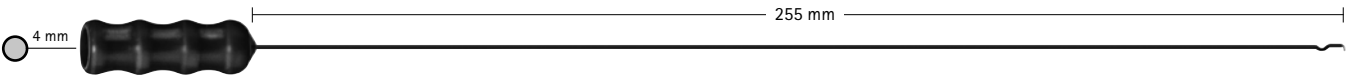
Single-use ball electrodes for arthroscopic operations

All items packed in cartons of 5 pieces, individually wrapped!

NEUROSURGERY – MONO- AND BIPOLAR ELECTRODES

STORAGE RACK

Neurosurgery – Mono- and bipolar electrodes



- GK362R Ø 2.2 mm
- GK364R Ø 2.2 mm
- GK365R Ø 2.2 mm
- GK366R Ø 2.2 mm

flexible

Monopolar hook electrode



- GK361R Ø 1.1 mm

flexible

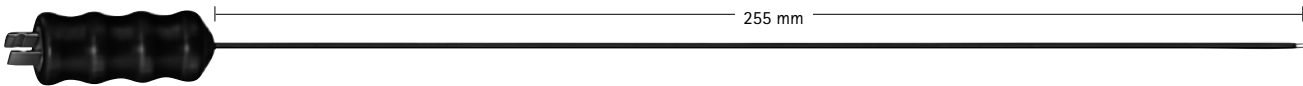
Monopolar blunt electrode



- GK363R Ø 1.1 mm

flexible

Monopolar needle electrode



- GK360R Ø 2.1 mm

flexible

Bipolar forked electrode

Storage rack

- FF380R

Storage rack for ventriculoscopic electrodes

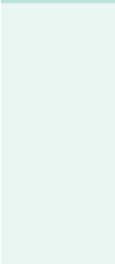
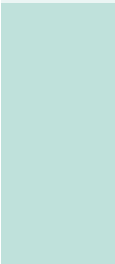
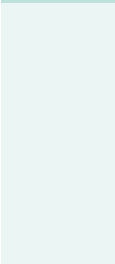
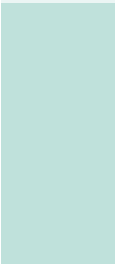
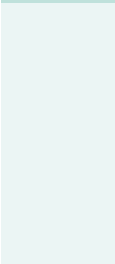
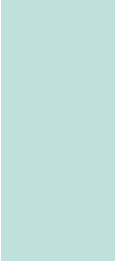
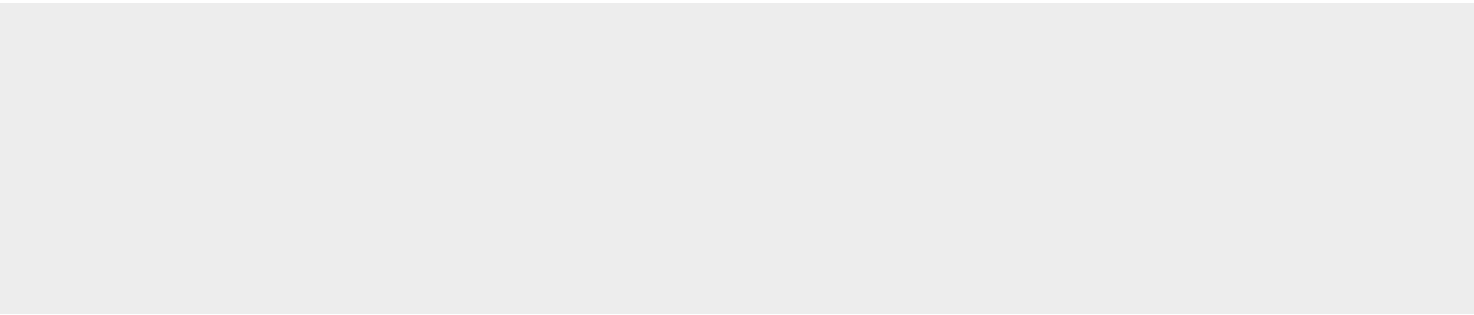
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GK013R	18	GK185	57	GK394R	67	GK615R	30
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AESCULAP® – a B. Braun brand

Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany
Phone +49 7461 95-0 | Fax +49 7461 95-2600 | www.aesculap.com

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