



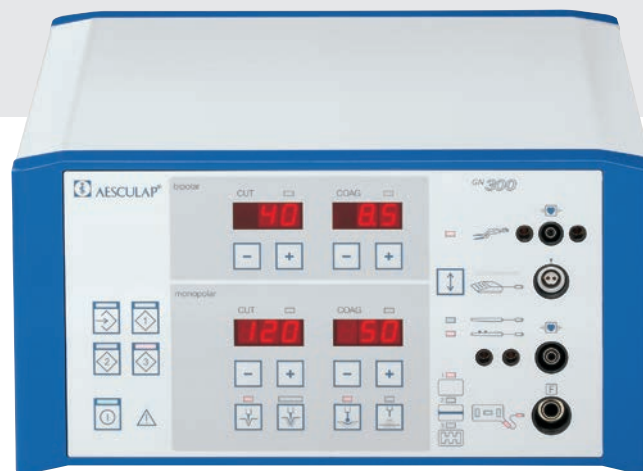
# AESCULAP® ELECTROSURGICAL INSTRUMENTS AND DEVICES

## TABLE OF CONTENTS

3 - 10	Units and Accessories
11 - 22	Monopolar equipment for open surgery
23 - 26	Neutral electrodes
27 - 56	Bipolar equipment – Coagulation forceps
57 - 62	Cables and Adapter
63 - 72	Electrosurgical Endoscopy
73 - 77	Numerical Index

## UNITS AND ACCESSORIES

## UNITS AND ACCESSORIES



### GN300

### Electrosurgical Unit

Not available in EU countries with CE marking

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

Mains supply	
100 – 120 V / 50 / 60 Hz	
220 – 240 V / 50 / 60 Hz	
monopolar	(Watt)
CUT 1	300
CUT 2	200
CUT 3	150
CUT 4	100
CONTACTCOAG	120
SPRAY	80
bipolar	(Watt)
CUT	80
COAG	80

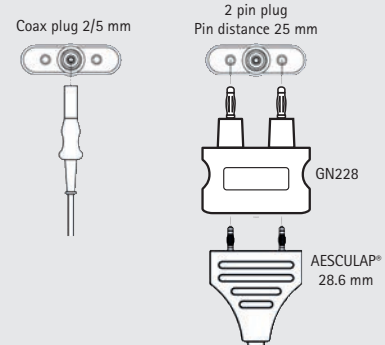
### Accessories



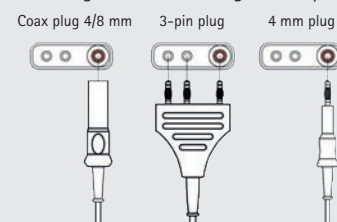
#### GN228

Bipolar Adapter  
for use with 28.6 mm pin  
connectors

#### Electrosurgical unit featuring 1 bipolar output



#### Electrosurgical unit featuring 1 monopolar output



## FEATURES

- Easy incision through PSE (Power Start Function)
- Controlled coagulation procedure by means of Variopedal
- Spray coagulation for effective surface coagulation
- Bipolar coagulation with integrated power range for micro-coagulation
- Operation through individual memory keys
- Continuous monitoring of neutral electrode

**GN160****Bipolar microprocessor-controlled electrosurgical unit****Mains supply****100 – 120 V / 50 / 60 Hz****220 – 240 V / 50 / 60 Hz**

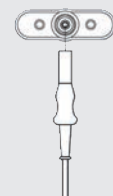
	(Watt)	(Ohm)
STANDARD	60	75
FORCED	60	100

**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\*

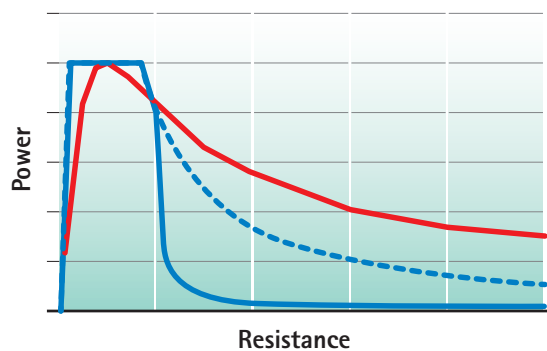
**1 bipolar output**

Coax plug 2/5 mm

2 pin plug  
Pin distance 28.6 mm**ADVANTAGES****High Tech 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 and easy 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

## UNITS AND ACCESSORIES



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

— Conventional generator e.g. GN060

- - GN160 (Standard dose)

— GN160 Active power reduction

## FOOT SWITCHES



GN325

Vario double foot switch



GN161

Single-pedal foot switch, round, for GN160



GN327

Transport bracket for GN325




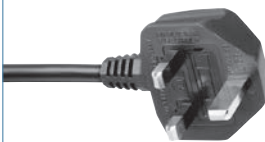








GK226

Single-pedal foot switch, squared, 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

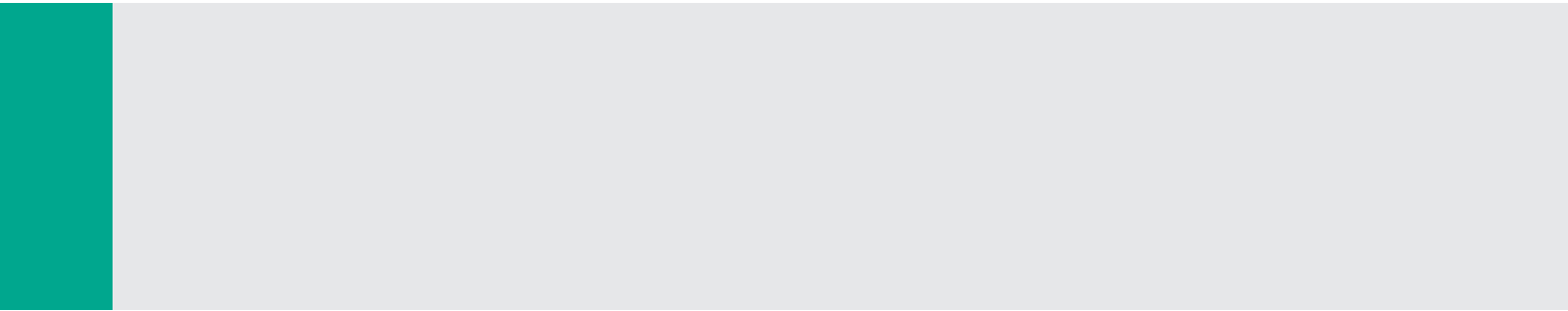
Unit cart with sliding handle for electro-surgical units, W x H x D:

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

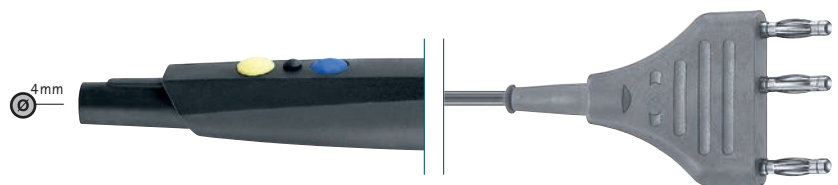
## ELECTRODE HANDLES

Electrode handles, with two finger pushbuttons



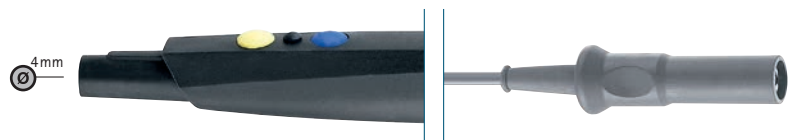
GN230 4.5 m

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



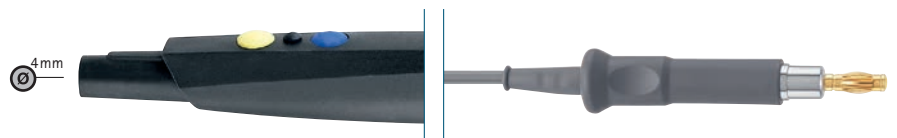
GN236 4.5 m

AESCULAP®  
ACMI  
Berchtold®  
KLS Martin



GN261 4.5 m

Erbe ACC / ICC / VIO

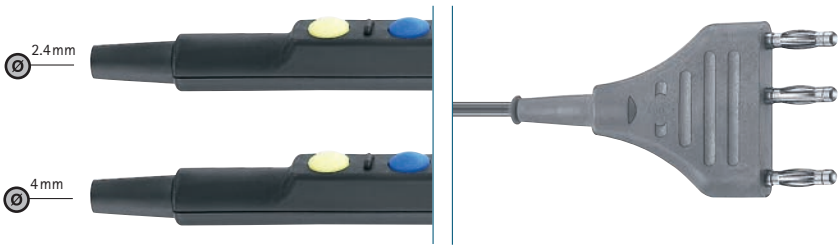


Electrode handles, with two finger pushbottoms



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

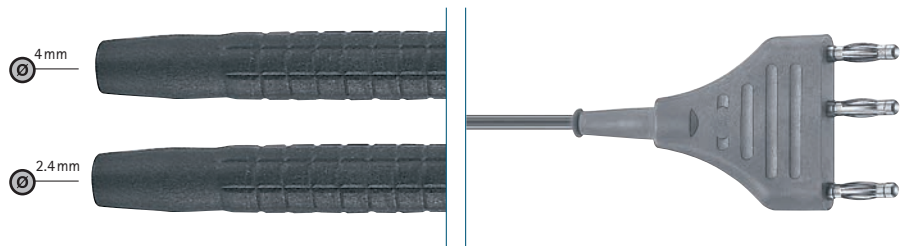
Berchtold®

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

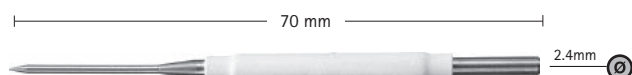
Valleylab™

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



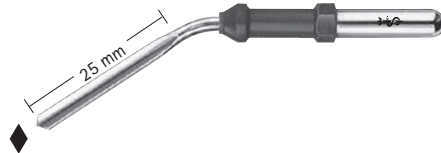
Knife electrodes

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

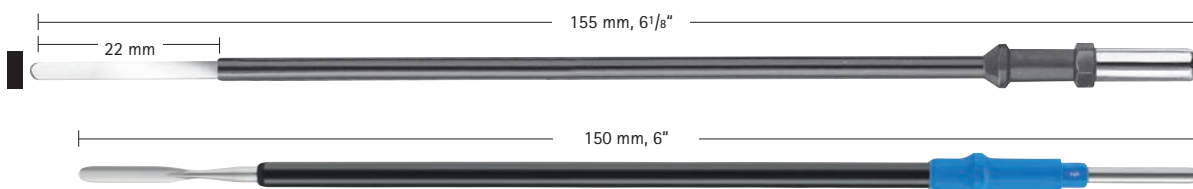
Ø 4.0 mm



Ø 2.4 mm



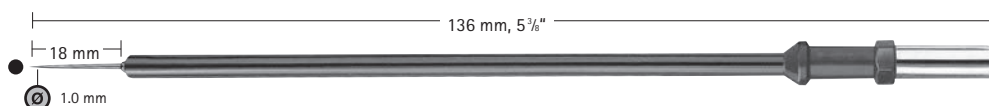
with hexagon anti-twist protection



GK125R Ø 4.0 mm

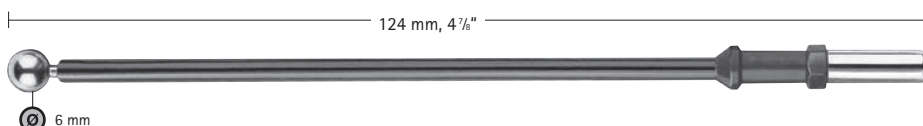
GK155R Ø 2.4 mm

Knife electrodes



GK127R Ø 4.0 mm

Needle electrodes

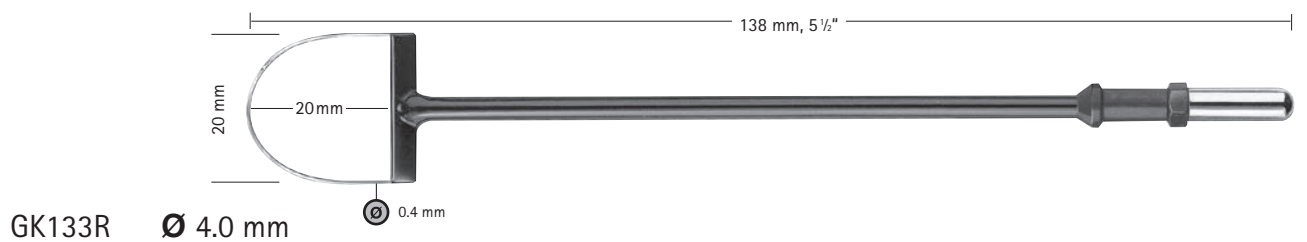
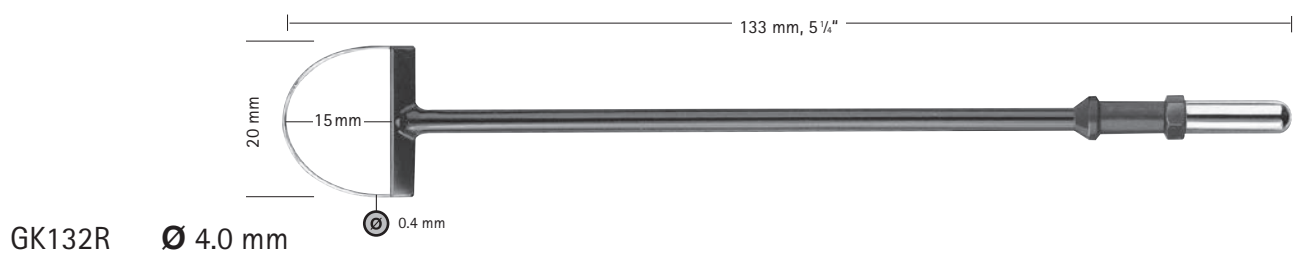
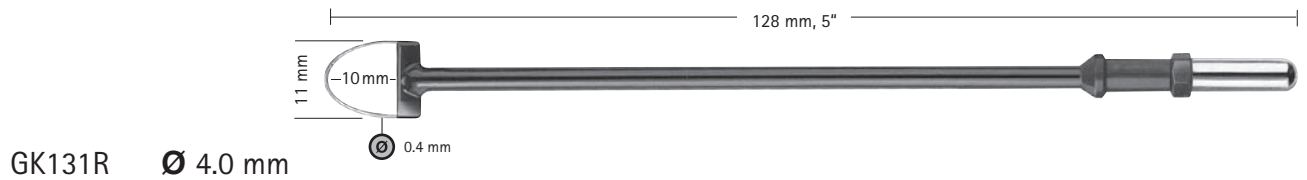


GK129R Ø 4.0 mm

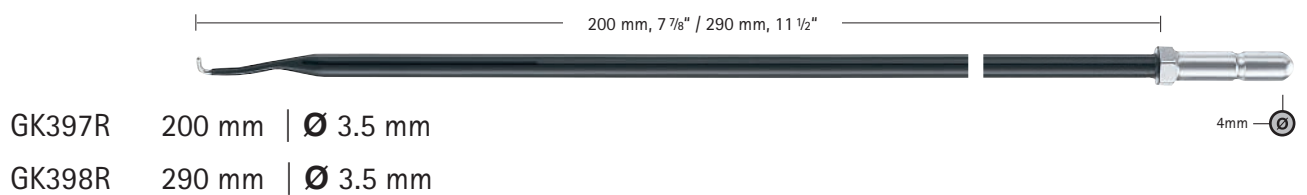
Ball electrodes

Monopolar

## INSULATED LONG-SHANK ELECTRODES



Wire loop electrode for conization of the portio



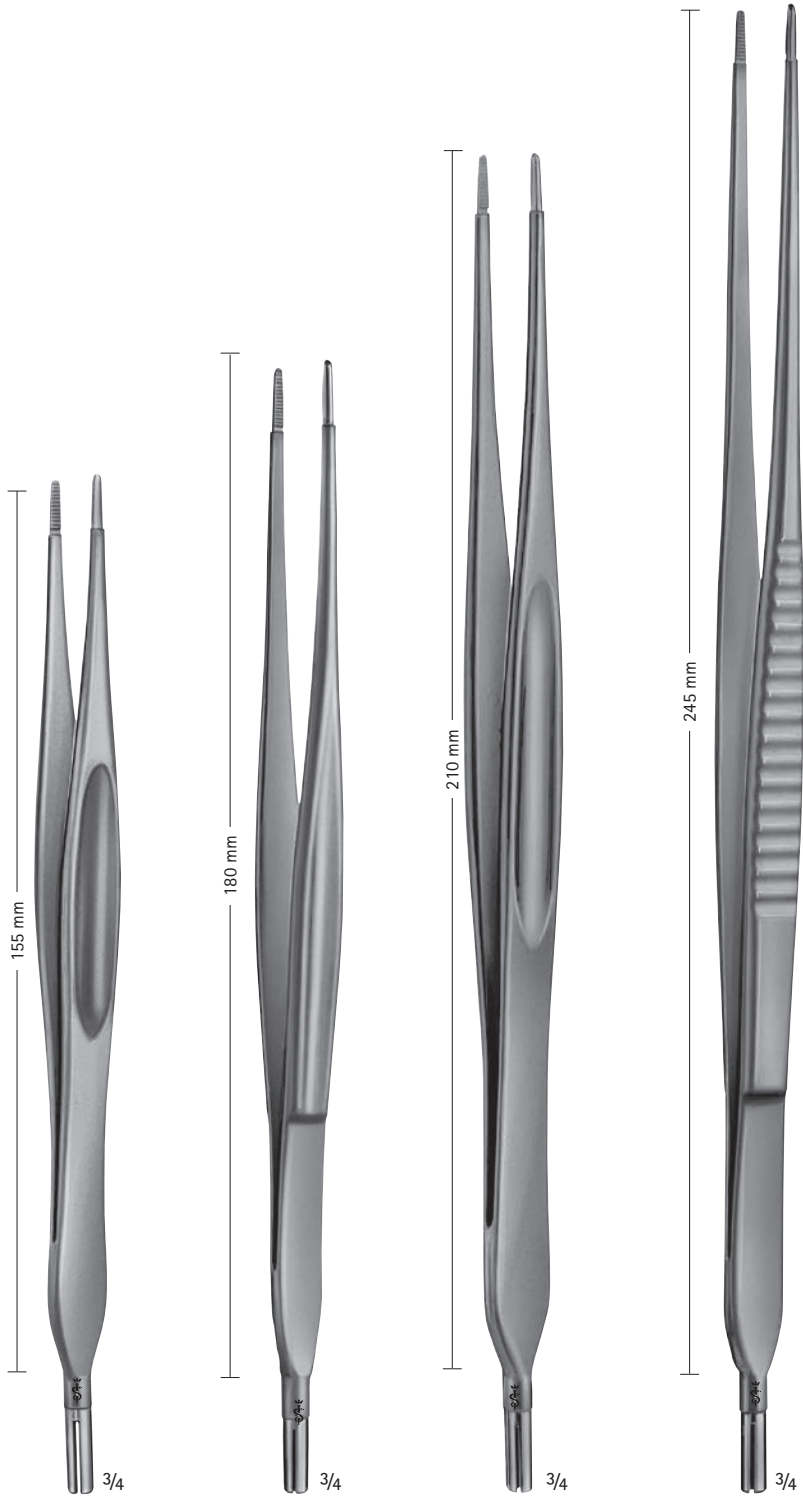
Hook electrode for use with electrode handle



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

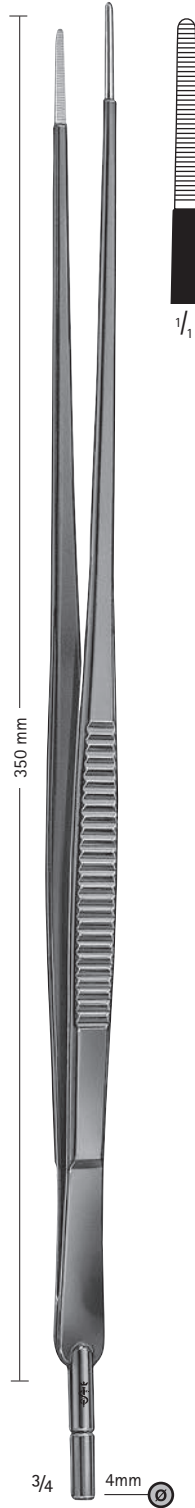
175 mm, 6 7/8"



WAUGH

GK016R

230 mm, 9"



GK033R

350 mm, 13 3/4"



1/1

Total length

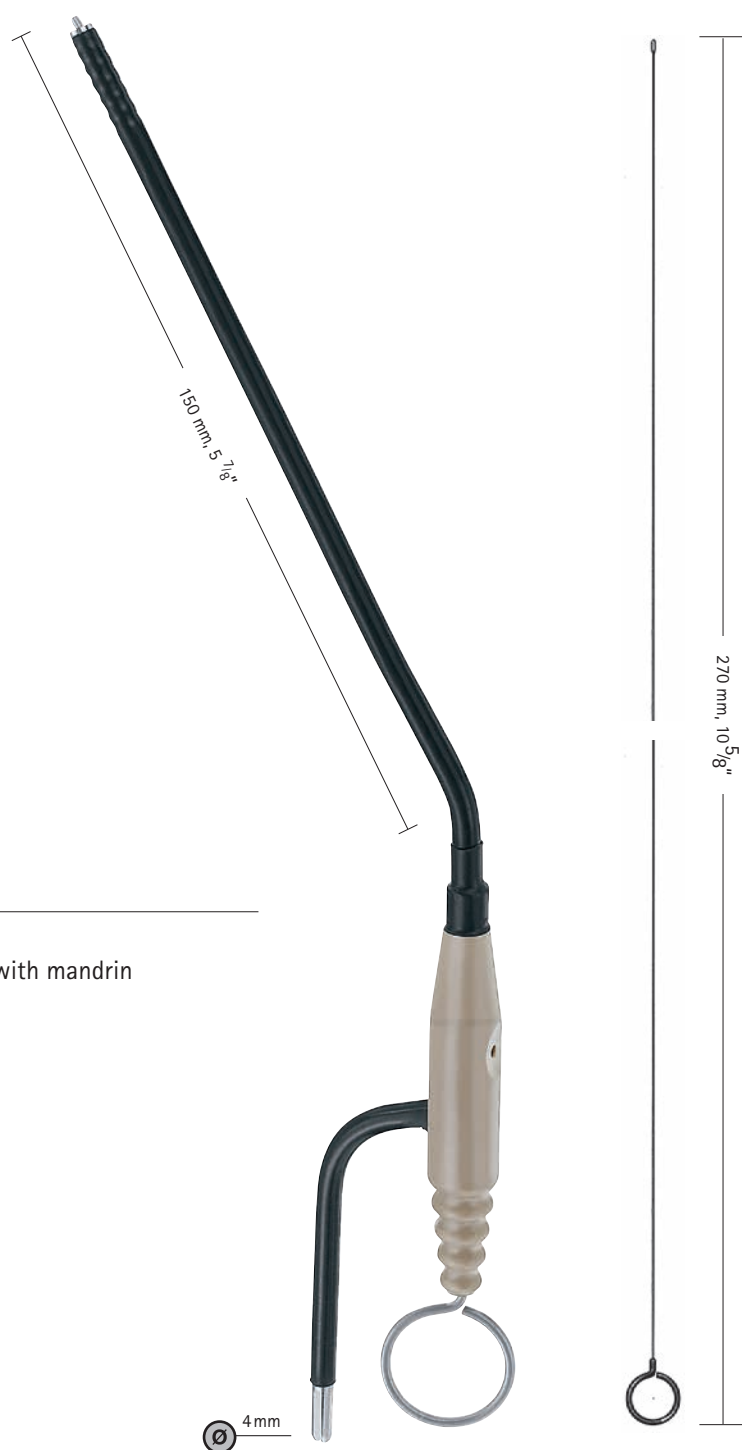
Monopolar

## 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 cm<sup>2</sup> (\*)  
25 pieces individually packed

GK084  71 cm<sup>2</sup> (\*) (\*\*)   
25 pieces individually packed

for adults

GK080  134 cm<sup>2</sup> (\*)  
25 pieces individually packed

GK081  144 cm<sup>2</sup> (\*) (\*\*)   
25 pieces individually packed

GK091  
50 pieces in peel packs of 5 each

GK100  
PE bag of 50

GK101  
PE bag of 50

Universal plate:

GK107  110 cm<sup>2</sup> (\*) (\*\*)   
50 pieces in peel packs of 5 each

(\*) Conductive area

(\*\*) Only for units with REM function





GN249 3.5 m

GN245 5.0 m



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

AESCLAP® connecting cable for single use electrodes



GK083

GK080  
GK100

GK084

GK081  
GK091  
GK101

GK107



GK190 5.0 m

Conmed  
 Erbe International  
 ErbeVio  
 Valleylab

Valleylab standard non-REM cable plug



GK083

GK080  
GK100

GK191 5.0 m

Conmed  
 Erbe International  
 ErbeVio  
 Valleylab

Valleylab REM cable plug



GK084

GK081  
GK091  
GK101

GK107

## PATIENT PLATE, REUSABLE

GN259 3.5 m

GN255 5.0 m



Connecting cable for silicone patient plates



GN261

GN266



GN320

## BIPOLAR EQUIPMENT – COAGULATION FORCEPS

## ROSE GOLD NON-STICK BIPOLAR FORCEPS COAGULATION FORCEPS



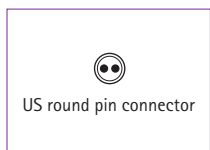
ROSE GOLD  
NON-STICK  
BIPOLAR  
FORCEPS

### FEATURES

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





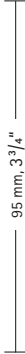









Bipolar



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

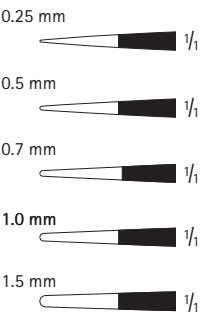
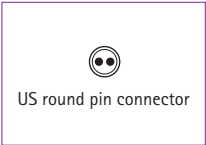
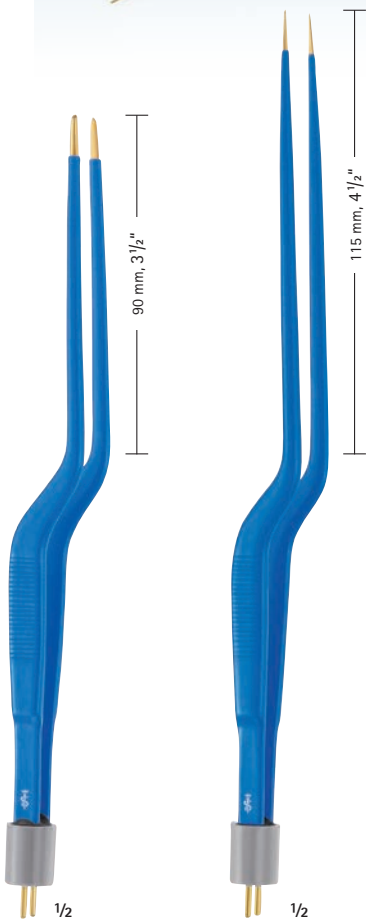


 US round pin connector		 			
		 1/2	 1/2	 1/2	 1/2
0.4 mm	 1/16	-	-	US172	-
0.5 mm	 1/16	US161	-	-	-
0.5 mm up	 1/16	-	US164	-	-
1.0 mm	 1/16	US162	-	-	US171
1.5 mm	 1/16	US163	-	-	-
Total length		220 mm, 8 3/4"	220 mm, 8 3/4"	100 mm, 4"	125 mm, 5"

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



ROSE GOLD  
NON-STICK  
BIPOLAR FORCEPS  
SINGLE USE



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

**FEATURES**

Using a brand 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.

**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  $\frac{1}{16}$

GK614R

-

-

0.7 x 6 mm  $\frac{1}{16}$

GK644R

-

-

1.0 x 23 mm  $\frac{1}{16}$

-

GK615R

GK616R

1.0 x 6 mm  $\frac{1}{16}$

-

GK645R

GK646R

Total length

160 mm, 6  $\frac{1}{4}$ "

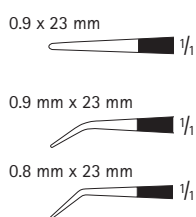
185 mm, 7  $\frac{1}{4}$ "

200 mm, 7  $\frac{7}{8}$ "





  
 AESCULAP®  
 Tab connector

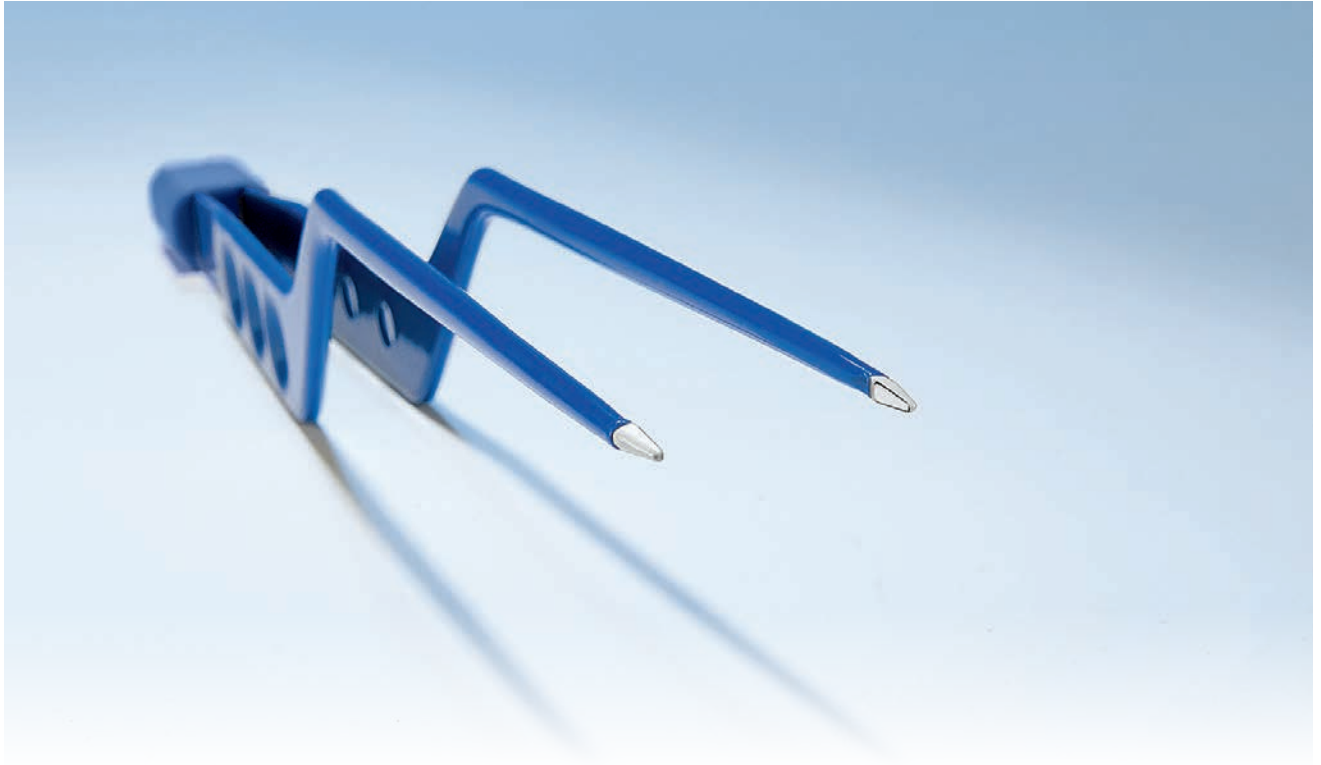


GK604R	GK605R	GK606R	-	-
-	-	-	GK624R	-
-	-	-	-	GK625R
160 mm, 6 1/4"	185 mm, 7 1/4"	200 mm, 7 7/8"	160 mm, 6 1/4"	200 mm, 7 7/8"

Bipolar

## BiProtect FORCEPS

### COAGULATION FORCEPS

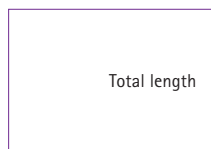
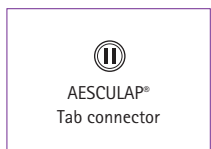
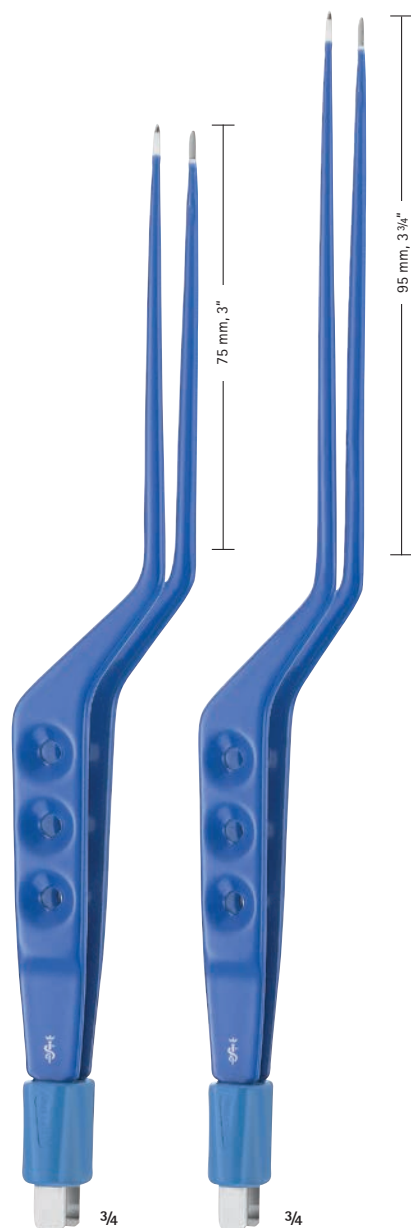


#### FEATURES

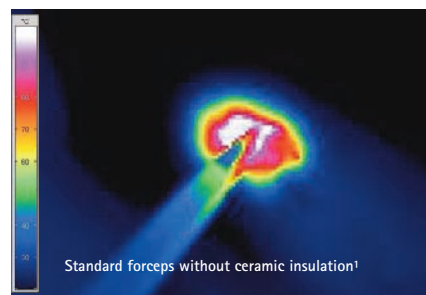
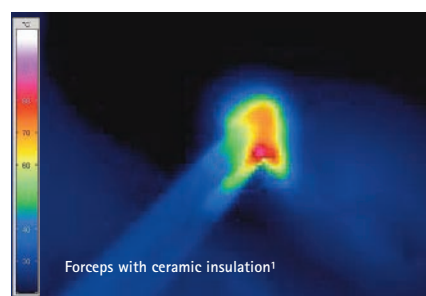
##### BiProtect

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.



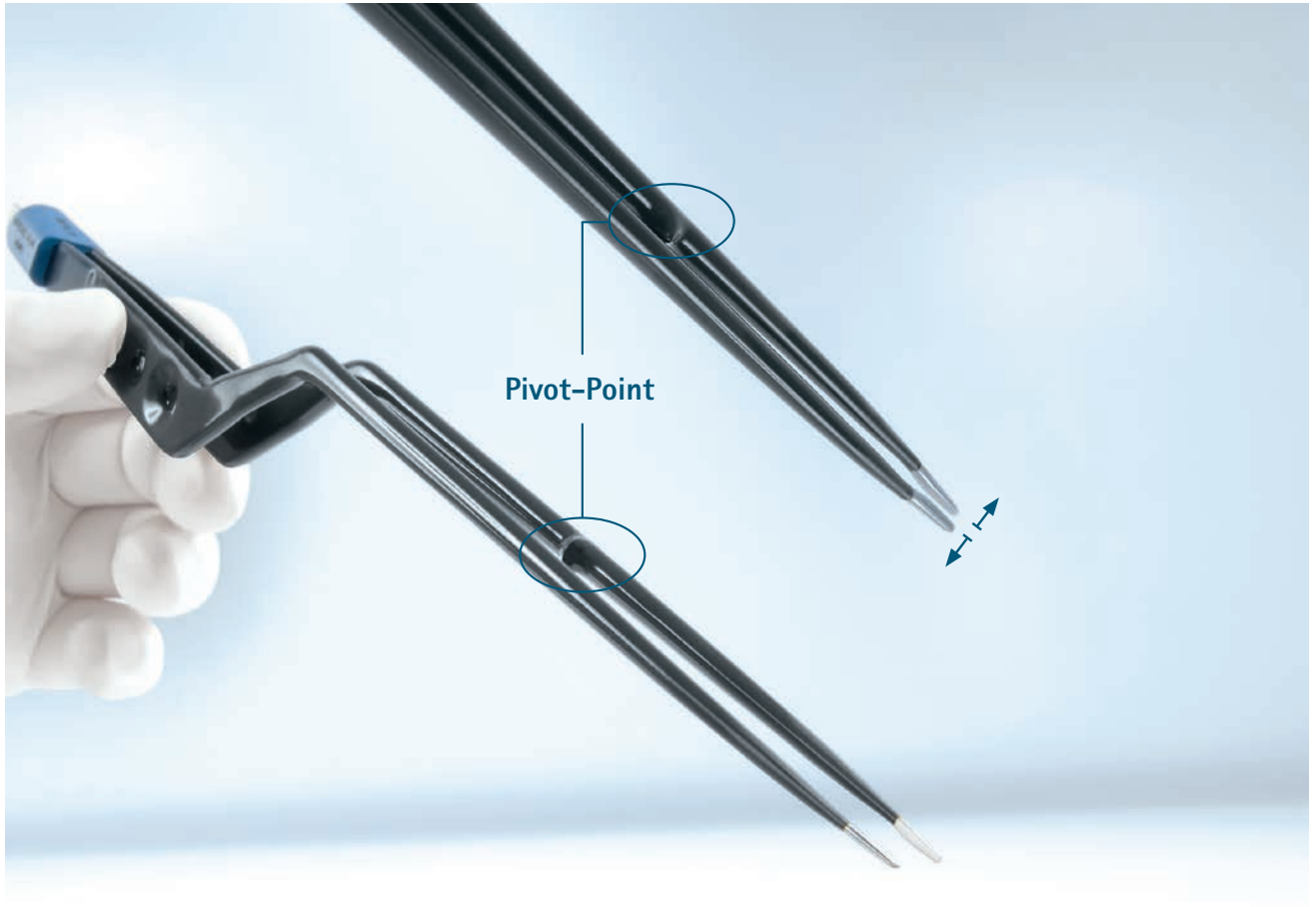


	GL470R	GL480R
	GL471R	GL481R
Total length	195 mm, 7 3/4"	215 mm, 8 1/2"



<sup>1</sup> 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



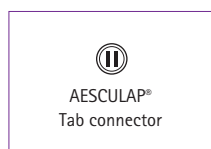
### FEATURES

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.





Bipolar



0.7 mm  1/1

1.0 mm  1/1

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.



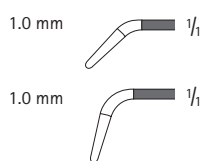
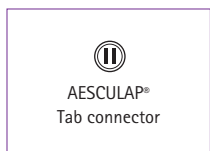
AESCULAP®  
Tab connector

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

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

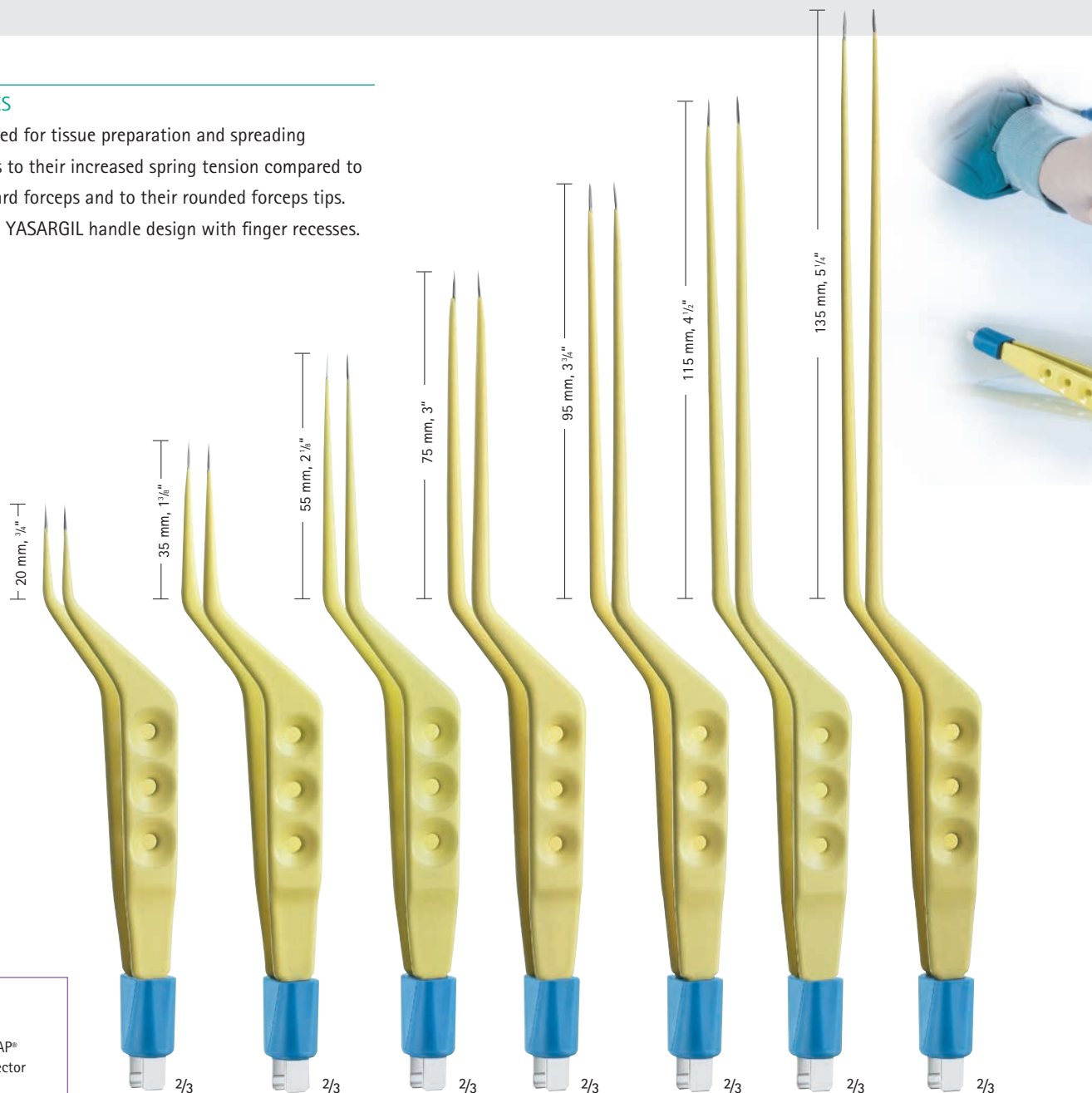



## YASARGIL

### 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.

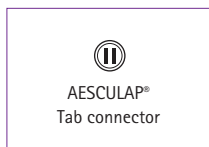
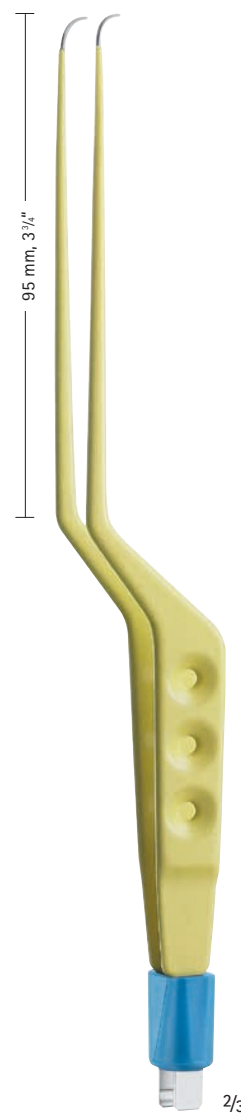
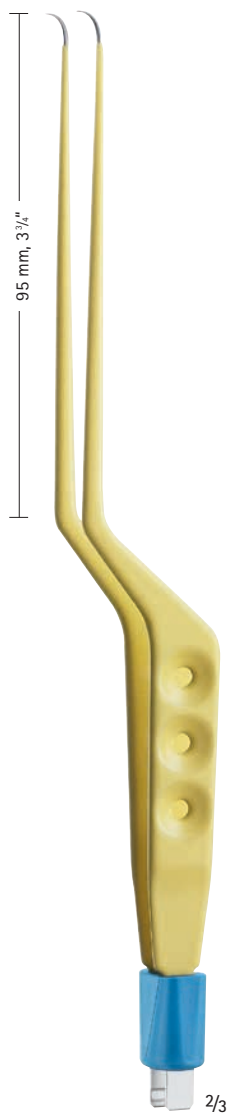
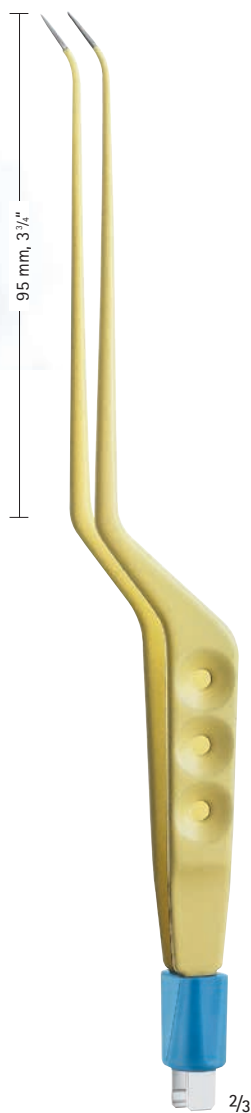
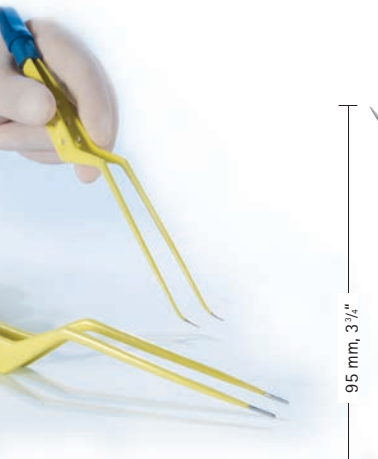


0.4 mm 	GK746R	GK760R	GK764R	GK768R	GK772R	GK788R	-
0.7 mm 	GK747R	GK761R	GK765R	GK769R	GK773R	GK789R	GK793R
1.0 mm 	GK748R	GK762R	GK766R	GK770R	GK774R	GK790R	-
1.3 mm 	GK749R	GK763R	GK767R	GK771R	GK775R	GK791R	-

Total length

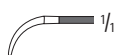
140 mm, 5 1/2" 155 mm, 6 1/8" 175 mm, 6 7/8" 195 mm, 7 5/8" 215 mm, 8 1/2" 235 mm, 9 1/4" 255 mm, 10"





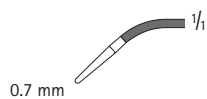
0.4 mm

-

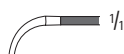


GK780R

-



GK777R



GK781R



GK785R

Total length

215 mm, 8 1/2"

215 mm, 8 1/2"

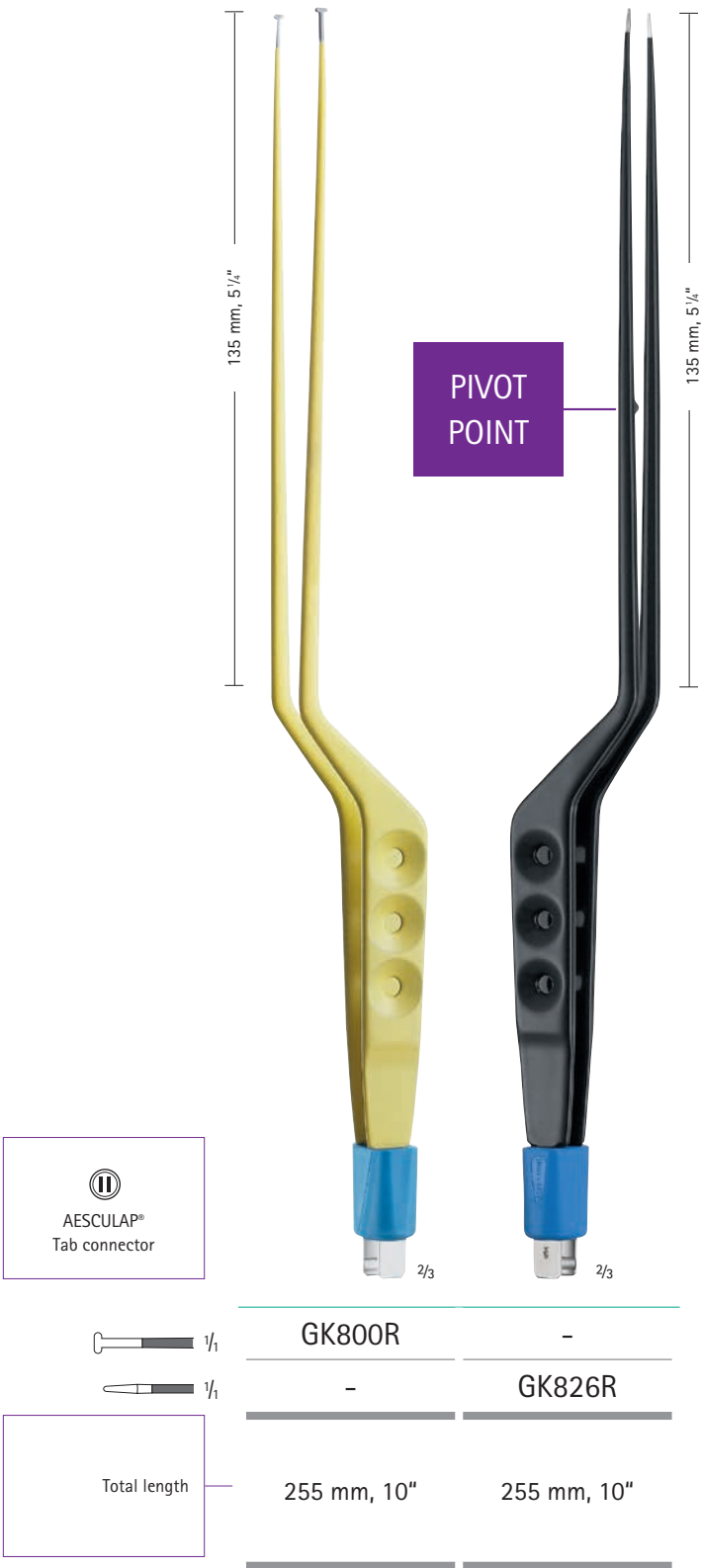
215 mm, 8 1/2"

Bipolar



Coagulation forceps

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

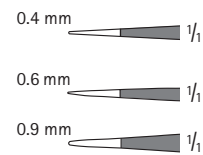




STANDARD COAGULATION FORCEPS



  
AESCULAP®  
round pin connector



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"



0.6 mm  1/16

GK660R

GK670R

GK675R

GK677R

0.9 mm  1/16

-

GK671R

-

GK679R

Total length

160 mm, 6 1/4"

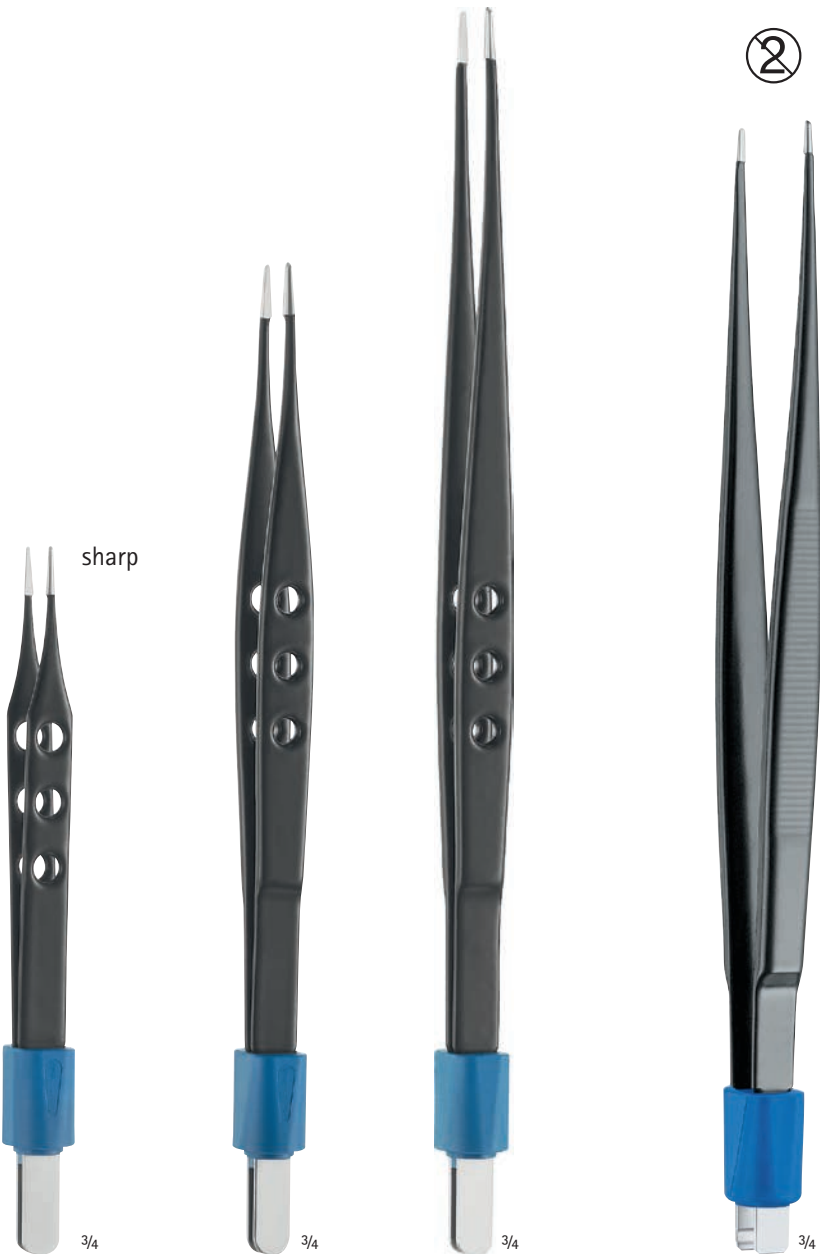
200 mm, 7 7/8"

220 mm, 8 2/3"

240 mm, 9 1/2"



Bipolar

STANDARD COAGULATION FORCEPS



  
EURO tab connector

  
AESCULAP®  
tab connector

1.1 mm  1/16  
1.5 mm  1/8

	GK809R	GK807R	GK808R	-
	-	-	-	GK609SU
Total length	125 mm, 4 7/8"	175 mm, 6 7/8"	220 mm, 8 2/3"	200 mm, 7 7/8"



Bipolar



AESCULAP®  
tab connector

0.6 mm  1/1

GK700R

-

-

-

0.9 mm  1/1

GK701R

GK703R

GK711R

GK713R

Total length

160 mm, 6 1/4"

200 mm, 7 7/8"

160 mm, 6 1/4"

200 mm, 7 7/8"

STANDARD COAGULATION FORCEPS  
MICRO AND LABORATORY FORCEPS



Micro and Laboratory Forceps

Standard Coagulation Forceps

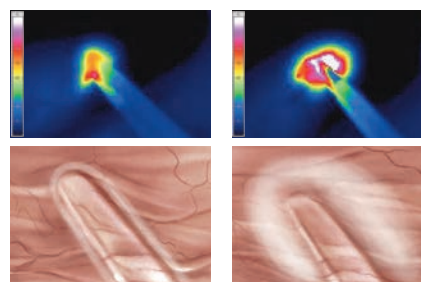




BipoJet® Scissors, cutting and coagulating in one step



BipoJet® forceps, defined coagulation area – low thermal spread<sup>1</sup>



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 instruments<sup>1</sup>. BipoJet® scissors have a solid ceramic insert scissors blade for insulation to allow simultaneous dissection and coagulation.

<sup>1</sup> 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

3.0 mm



1/1

GK881R

GK882R

GK883R

GK884R

GK885R

-

-

3.0 mm



1/1

-

-

-

-

-

GK886R

GK685R

Total length

160 mm, 6 1/4"

200 mm, 7 7/8"

230 mm, 9"

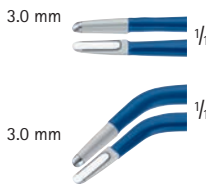
250 mm, 9 7/8"

300 mm, 11 7/8"

200 mm, 7 7/8"

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"
--------------	----------------	----------------	------------	----------------	-----------------	----------------

Bipolar

BipoJet® METZENBAUM BIPOLAR DISSECTING SCISSORS



Total length

BC691R	BC692R	BC693R
BC694R	BC695R	BC696R
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"

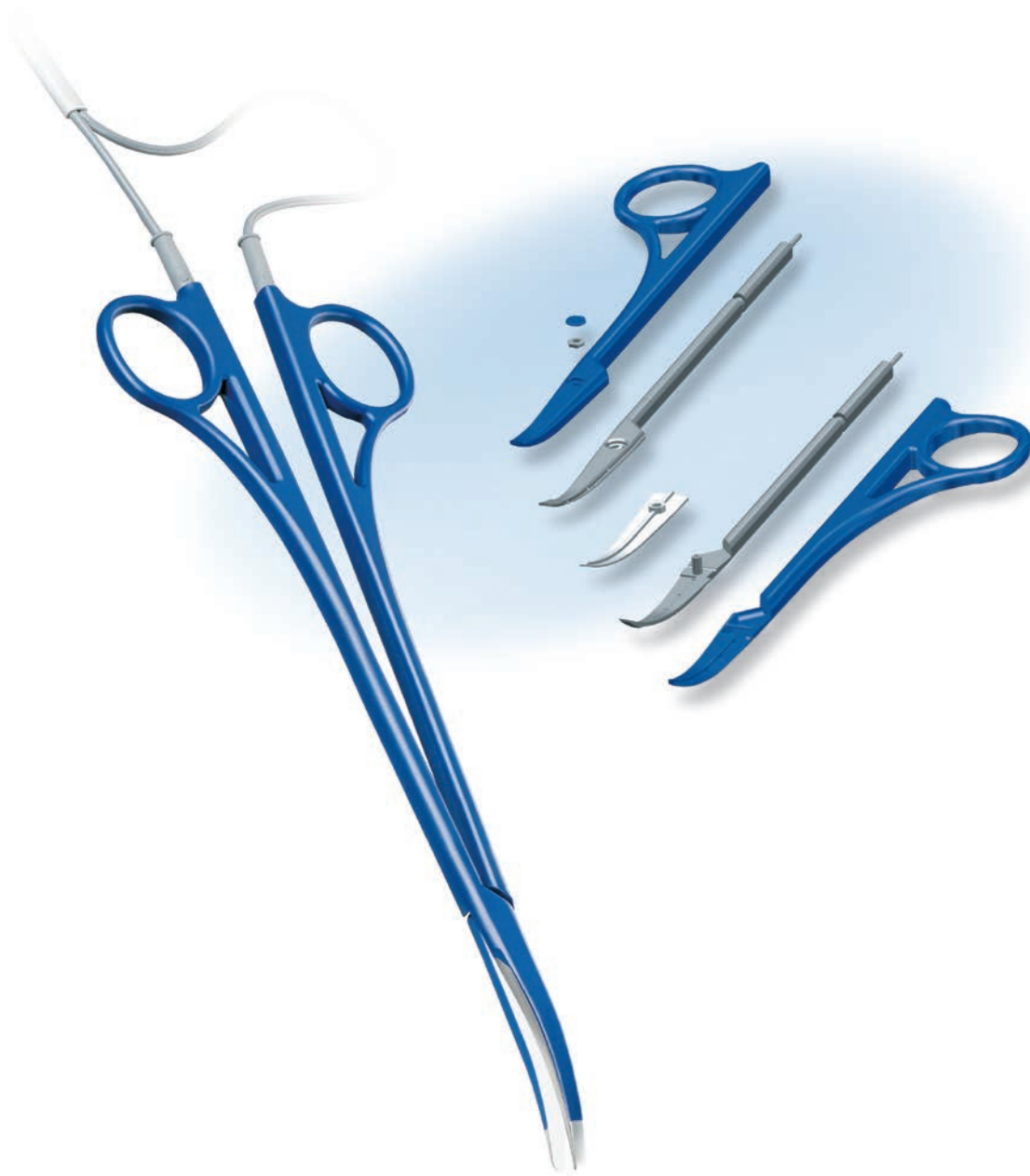
280 mm, 11"

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

⦿ AESCULAP®  
- US round pin connector  
Pin Ø 1.85 mm

□ AESCULAP®  
- 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:		
	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)



AESULAP®  
- Tab connector



AESULAP®  
- Round pin connector  
Pin Ø 1.6 mm



- US round pin connector  
Pin Ø 1.85 mm



- Euro tab connector



AESULAP® Landolt

AESULAP® 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		
		ACC/ICC/MIO Bowa Erbe 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](http://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.<sup>1</sup>

### Uniform tissue compression

Leads to consistent sealing quality from distal to proximal tip.<sup>1</sup>

### Tip first closure

Retains tissues within the jaws for improved compression.<sup>1</sup>

### Tissue Dissection

Fine curved Maryland jaw design allows increased dissection performance and enhanced tip visualization.<sup>2</sup>

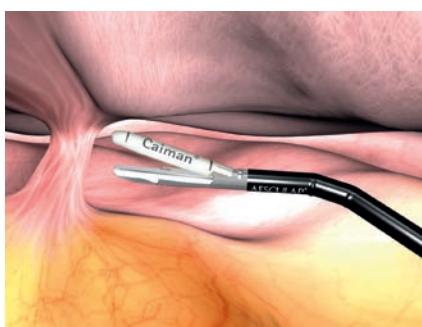
### Long jaw tip

Enlarged vessel sealing length and improved surgical efficiency.<sup>1</sup>

### 80 degree articulation jaw

Allows simplified navigation in challenging anatomy.<sup>3</sup>

- 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

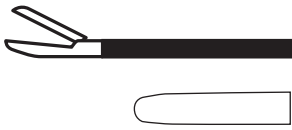

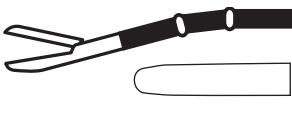

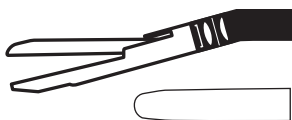
Red represents minimum required pressure (or greater).

Blue represents insufficient pressure.<sup>1</sup>

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
	<b>Caiman® 5, NON ARTICULATING JAW</b>			
	PL718SU* / PL738SU**	5 mm	24 cm	6
	PL720SU* / PL740SU**	5 mm	36 cm	6
	PL722SU* / PL742SU**	5 mm	44 cm	6
	<b>Caiman® 5, NON ARTICULATING MARYLAND JAW</b>			
	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
	<b>Caiman® 5, ARTICULATING JAW</b>			
	PL719SU* / PL739SU**	5 mm	24 cm	6
	PL721SU* / PL741SU**	5 mm	36 cm	6
	PL723SU* / PL743SU**	5 mm	44 cm	6
	<b>Caiman® 5, ARTICULATING MARYLAND JAW</b>			
	PL751SU* / PL771SU**	5 mm	36 cm	6
	PL753SU* / PL773SU**	5 mm	44 cm	6
	<b>Caiman® 12, ARTICULATING JAW</b>			
	PL730SU	12 mm	24 cm	3
	PL731SU	12 mm	44 cm	3

### Lektrafuse RF-Generator



GN200

Lektrafuse RF-Generator, without main cable

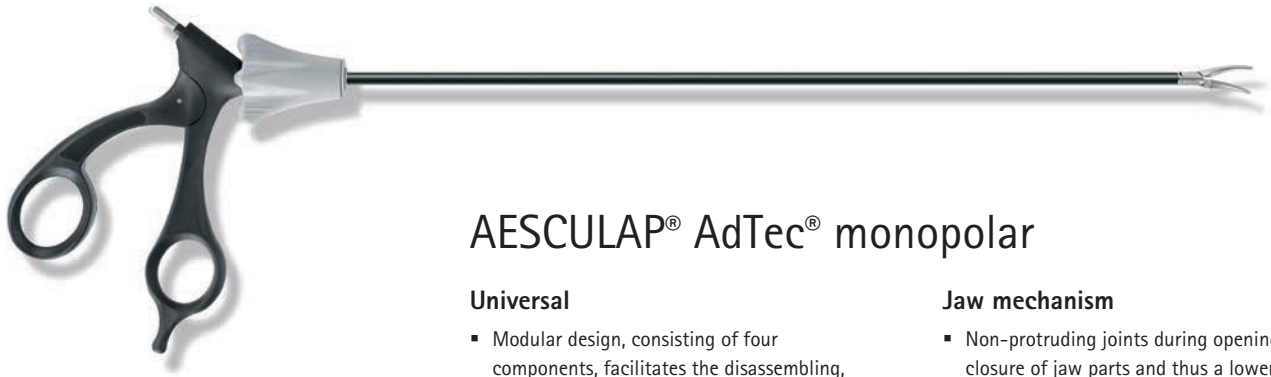


GN201

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, facilitates the disassembling, reprocessing, maintenance and sterile supply

### „One-Click“ design

- Assembly and disassembly in one step only

### PEEK Isolation

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

### Ratchet mechanism

- Ratchet can be deactivated

### 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 preparing due to jaw profile

For further information, see catalogue C75802

### Universal

- Modular design, consisting of four components, facilitates the disassembling, reprocessing, maintenance and sterile supply

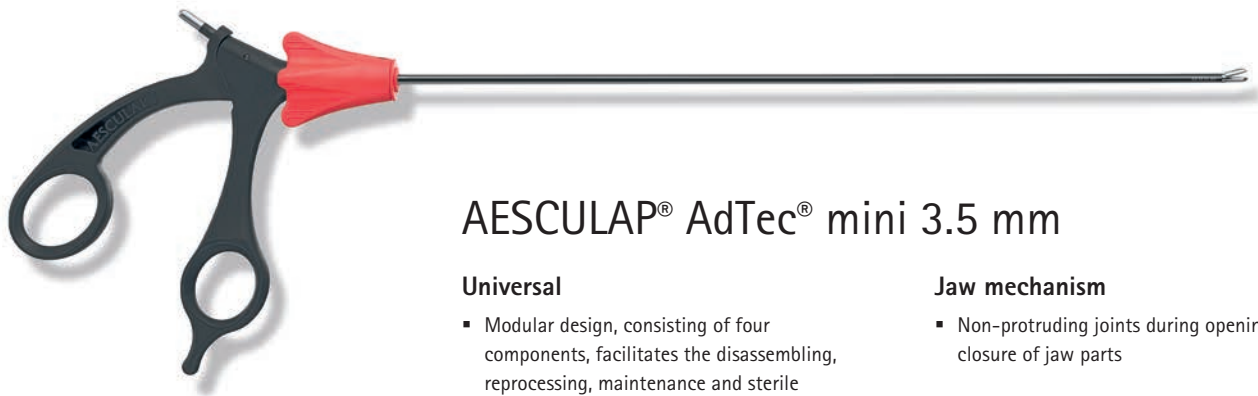
### Transmission:

- 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, facilitates the disassembling, reprocessing, maintenance and sterile supply

### Ratchet mechanism

- Ratchet can be deactivated

### 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

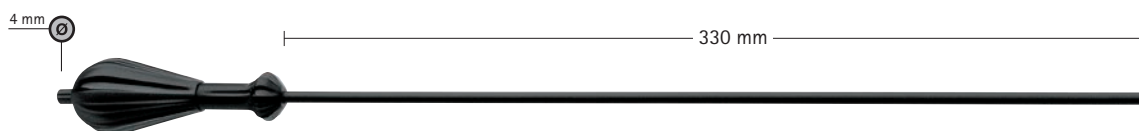
- Sterilization of the assembled instrument possible

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



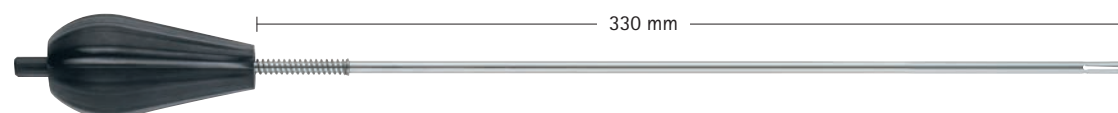
4 mm contact pin for HF connection  
(5 pieces)

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

## NUMERICAL INDEX

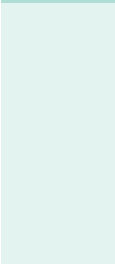
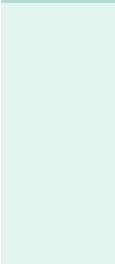
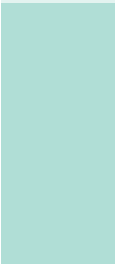
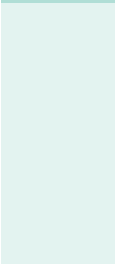
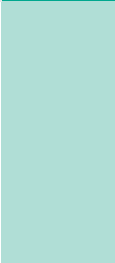
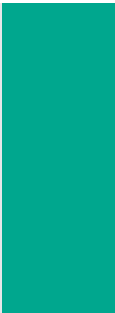
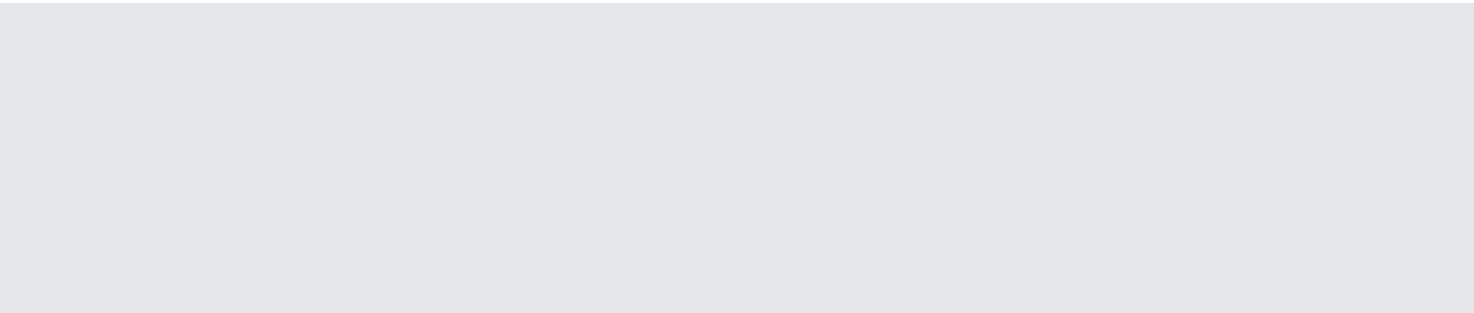
Art. No.	Page	Art. No.	Page	Art. No.	Page	Art. No.	Page
BC685R	54	GK107	24	GK245	62	GK436R	70
BC686R	54	GK110R	15	GK246	62	GK501SU	31
BC687R	54	GK112R	15	GK252Y	14	GK502SU	31
BC688R	54	GK113R	15	GK290SU	59	GK503SU	31
BC689R	54	GK114R	15	GK291SU	59	GK504SU	31
BC690R	54	GK115R	15	GK292SU	61	GK505SU	31
BC691R	52	GK116R	15	GK299	16	GK506SU	31
BC692R	52	GK117R	15	GK328	61	GK507SU	31
BC693R	52	GK118R	15	GK329	61	GK508SU	31
BC694R	52	GK121R	16	GK331	59	GK509SU	31
BC695R	52	GK125R	17	GK360R	71	GK510SU	31
BC696R	52	GK127R	17	GK361R	71	GK534	8
BC697R	53	GK129R	17	GK362R	71	GK535	8
BC698R	53	GK131R	18	GK363R	71	GK537	8
BC699R	53	GK132R	18	GK370P	69	GK550	22
FF380R	71	GK133R	18	GK372R	69	GK595R	48
GK005R	20	GK140R	15	GK373R	69	GK596R	48
GK007R	20	GK144R	15	GK383R	69	GK604R	33
GK009R	21	GK155R	17	GK384R	69	GK605R	33
GK010R	20	GK165R	14	GK385R	69	GK606R	33
GK013R	20	GK174R	16	GK386R	69	GK609SU	46
GK016R	21	GK181	62	GK393R	69	GK614R	32
GK033R	21	GK185	59	GK394R	69	GK615R	32
GK080	24	GK190	25	GK395R	69	GK616R	32
GK081	24	GK191	25	GK397R	18	GK624R	33
GK083	24	GK194	59, 61	GK398R	18	GK625R	33
GK084	24	GK195	59, 61	GK432R	70	GK644R	32
GK091	24	GK217	61	GK433R	70	GK645R	32
GK100	24	GK226	5, 7	GK434R	70	GK646R	32
GK101	24	GK239	62	GK435R	70	GK660R	45



Art. No.	Page	Art. No.	Page	Art. No.	Page	Art. No.	Page
GK670R	45	GK769R	40	GK883R	50	GL481R	35
GK671R	45	GK770R	40	GK884R	50	GN060	6
GK675R	45	GK771R	40	GK885R	50	GN075	59
GK677R	45	GK772R	40	GK886R	50	GN076	59
GK679R	45	GK773R	40	GK890P	56	GN081	56, 59
GK685R	50	GK774R	40	GK891R	51	GN082	56, 59
GK690R	44	GK775R	40	GK892R	51	GN085	56, 59, 61
GK700R	47	GK777R	41	GK893R	51	GN130	59
GK701R	47	GK780R	41	GK894R	51	GN131	59
GK703R	47	GK781R	41	GK895R	51	GN132	59
GK711R	47	GK785R	41	GK896R	51	GN133	59
GK713R	47	GK788R	40	GK899R	38	GN134	61
GK719R	48	GK789R	40	GK900R	38	GN145	56, 59
GK720R	44	GK790R	40	GK910R	38	GN146	56, 61
GK722R	44	GK791R	40	GK920R	38	GN160	5, 6
GK723R	44	GK793R	40	GK929R	38	GN161	5, 7
GK730R	44	GK800R	42	GK930R	38	GN200	65
GK746R	40	GK807R	46	GK940R	38	GN201	65
GK747R	40	GK808R	46	GK950R	38	GN202	62
GK748R	40	GK809R	46	GK959R	38	GN204	62
GK749R	40	GK822R	37	GK960R	38	GN211	14
GK760R	40	GK823R	37	GK970R	38	GN219	59
GK761R	40	GK824R	37	GK972R	39	GN224	61
GK762R	40	GK825R	37	GK974R	39	GN226	59
GK763R	40	GK826R	37, 42	GK976R	39	GN228	4, 59
GK764R	40	GK827R	37	GK978R	39	GN230	12
GK765R	40	GK828R	37	GK980R	38	GN231	13
GK766R	40	GK829R	37	GL470R	35	GN232	13
GK767R	40	GK881R	50	GL471R	35	GN236	12
GK768R	40	GK882R	50	GL480R	35	GN245	25

## NUMERICAL INDEX

Art. No.	Page	Art. No.	Page	Art. No.	Page
GN249	25	TE735	8	US602	29
GN255	26	TE736	8	US603	29
GN259	26	TE780	8	US604	29
GN261	12	US161	30	US610	29
GN300	4	US162	30	US611	29
GN325	7	US163	30	US612	29
GN327	7	US164	30	US613	29
GN330	9	US171	30	US614	29
JG884R	56	US172	30	US615	29
JG885R	56	US173	29	US616	29
PL170251	69	US403	29	US617	29
PL718SU	65	US404	29	US618	29
PL719SU	65	US405	29	US619	29
PL720SU	65	US406	29	US620	29
PL721SU	65	US407	29	US621	29
PL722SU	65	US486	29		
PL723SU	65	US487	29		
PL730SU	65	US488	29		
PL731SU	65	US489	29		
PL738SU	65	US490	29		
PL739SU	65	US491	29		
PL740SU	65	US492	29		
PL741SU	65	US493	29		
PL742SU	65	US494	29		
PL743SU	65	US495	29		
PV951R	9	US496	29		
TA008205	8	US530	29		
TE676	8	US531	29		
TE730	8	US600	29		
TE734	8	US601	29		



# 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](http://www.aesculap.com)

The main product trademark "Aesculap" and the product trademarks "AdTec", "Caiman", "BipoJet" and "Nelson" are registered trademarks of Aesculap AG.

Subject to technical changes. All rights reserved. This brochure may only be used for the exclusive purpose of obtaining information about our products. Reproduction in any form partial or otherwise is not permitted.