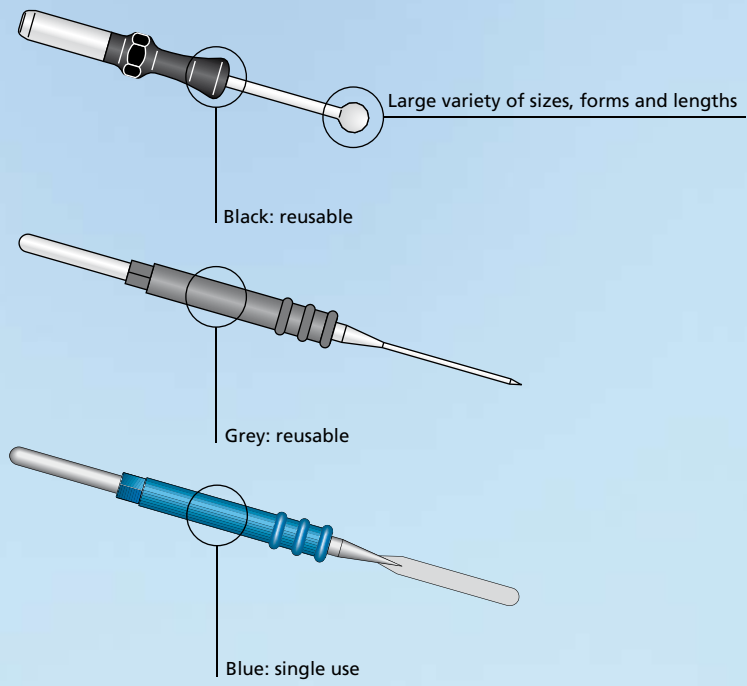


MONOPOLAR ELECTRODES



Important notes

The authors and ERBE Elektromedizin GmbH have taken the greatest possible care while compiling the catalogue with electrosurgical accessories. Nevertheless, it is impossible to exclude the possibility that errors may be contained herein.







The information and recommendations given here may not be construed as constituting any basis for any claims against ERBE Elektromedizin GmbH. Should legal regulations stipulate liability, such liability shall be limited to intentional misconduct or gross negligence.

The data on the use of instruments is based on clinical experience. Medical science is subject to a process of permanent change based on research and clinical experience. Therefore the products are subject to alterations in design and technique. Because of production tolerances dimensions in the catalogue may marginally differ.

We confirm that none of our products contain latex, except the rubber straps, Art. No. 20592-009 and 20592-011.

Please read carefully the corresponding notes on use before using any instrument.

Further product information

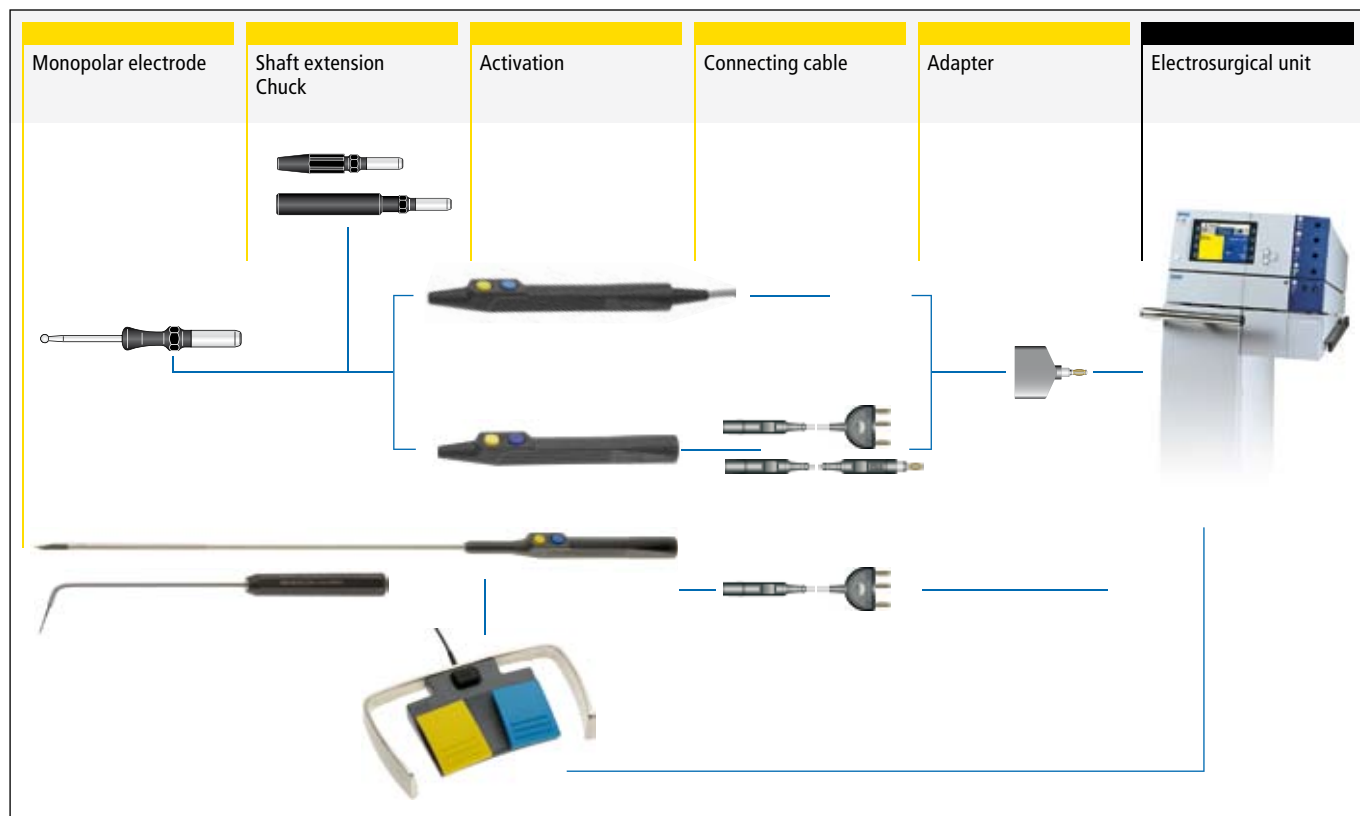
Packaging unit	 = 5	 4 kVp	Max. electrical capacity
Notes on use	 30191-682	 max 95 °C	Temperature for cleaning in washer disinfector
		 max 134 °C	Temperature for sterilization in autoclave
			Single-use product
		STERILE R	Sterile packaging
		STERILE R STERILE EO	
		Wiping or spray disinfection	Manual cleaning and disinfection

Electrosurgery

Monopolar electrodes

Reusable, shaft Ø 4 mm	04
Reusable, shaft Ø 2.35 mm	17
Single use, shaft Ø 2.35 mm	18
Single use, shaft Ø 2 mm for arthroscopy	20
Reusable, shaft Ø 1.6 mm for microsurgery	21
Reusable, shaft Ø 0.8 mm for epilation	26
Shaft extensions, chucks, cleaning pad	28
Instruments for MIS	30
Instruments for bronchoscopy and ENT	34
Anatomical coagulation forceps	35

Overview

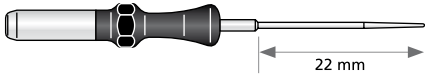


Monopolar electrodes

Reusable, shaft \varnothing 4 mm

\varnothing 4 mm

Needle electrode, straight, \varnothing 0.8 x 22 mm



• \varnothing 0,8 mm

No. 20191-211

= 5

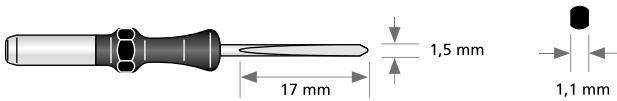
4 kVp

max 95 °C

30191-682

max 134 °C

Knife electrode, straight, lancet-shaped, 1.5 x 17 mm



No. 20191-209

= 5

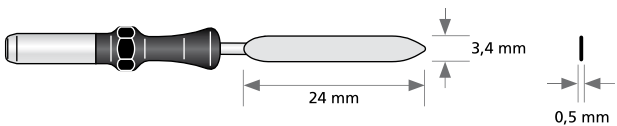
4 kVp

max 95 °C

30191-682

max 134 °C

Knife electrode, straight, acc. to Kirschner, 3.4 x 24 mm



No. 20191-208

= 5

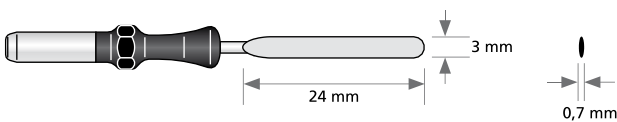
4 kVp

max 95 °C

30191-682

max 134 °C

Spatula electrode, straight, 3 x 24 mm



No. 20191-210

= 5

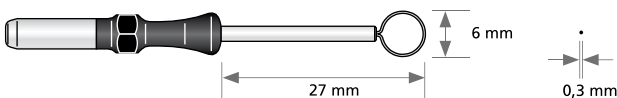
4 kVp

max 95 °C

30191-682

max 134 °C

Wire snare electrode, straight, \varnothing 6 mm



No. 20191-215

= 5

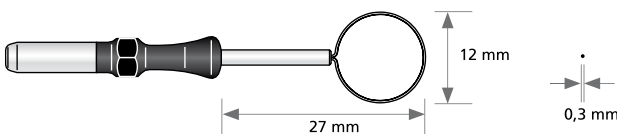
4 kVp

max 95 °C

30191-682

max 134 °C

Wire snare electrode, straight, \varnothing 12 mm



No. 20191-216

= 5

4 kVp

max 95 °C

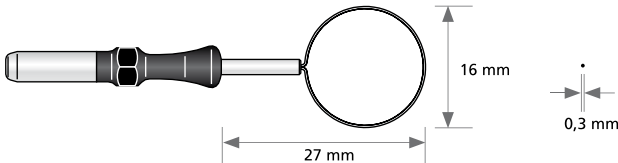
30191-682

max 134 °C

Ø 4 mm

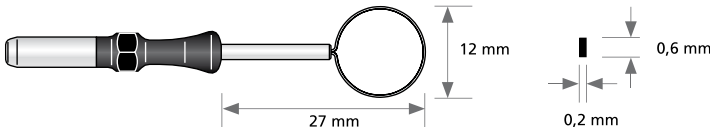
Reusable, shaft Ø 4 mm

Wire snare electrode, straight, Ø 16 mm



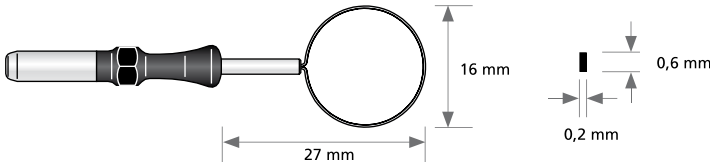
No. 20191-217	
= 5	4 kVp
	max 95 °C
30191-682	max 134 °C

Ribbon snare electrode, straight, Ø 12 mm



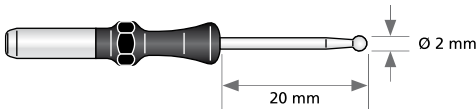
No. 20191-218	
= 5	4 kVp
	max 95 °C
30191-682	max 134 °C

Ribbon snare electrode, straight, Ø 16 mm



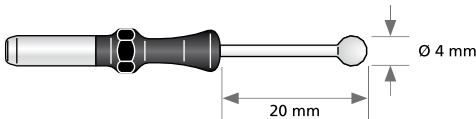
No. 20191-219	
= 5	4 kVp
	max 95 °C
30191-682	max 134 °C

Ball electrode, straight, Ø 2 mm



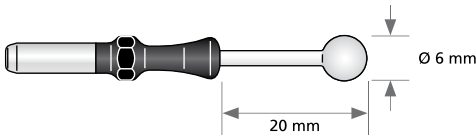
No. 20191-221	
= 5	4 kVp
	max 95 °C
30191-682	max 134 °C

Ball electrode, straight, Ø 4 mm



No. 20191-222	
= 5	4 kVp
	max 95 °C
30191-682	max 134 °C

Ball electrode, straight, Ø 6 mm



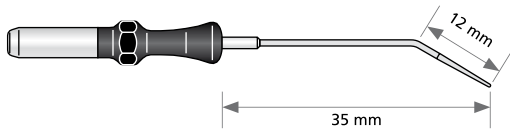
No. 20191-223	
= 5	4 kVp
	max 95 °C
30191-682	max 134 °C

Monopolar electrodes

Reusable, shaft \varnothing 4 mm

\varnothing 4 mm

Needle electrode, bent, \varnothing 0.8 x 12 mm



• \varnothing 0,8 mm

No. 20191-414

= 5

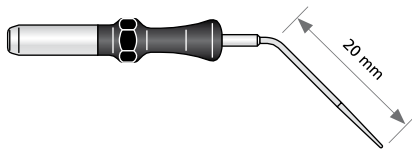
4 kVp

max 95 °C

30191-682

max 134 °C

Needle electrode, bent, \varnothing 0.8 x 20 mm



• \varnothing 0,8 mm

No. 20191-214

= 5

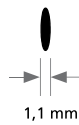
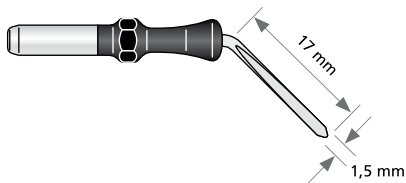
4 kVp

max 95 °C

30191-682

max 134 °C

Knife electrode, bent, acc. to Magenau, 1.5 x 17 mm



1,1 mm

No. 20191-212

= 5

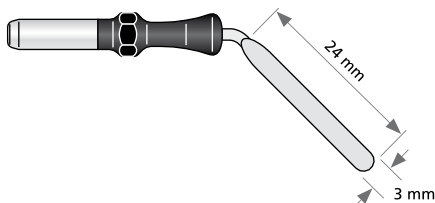
4 kVp

max 95 °C

30191-682

max 134 °C

Spatula electrode, bent, 3 x 24 mm



0,7 mm

No. 20191-213

= 5

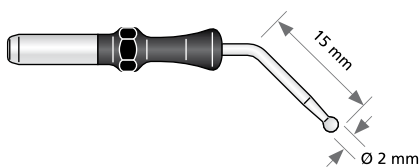
4 kVp

max 95 °C

30191-682

max 134 °C

Ball electrode, bent, \varnothing 2 mm



No. 20191-225

= 5

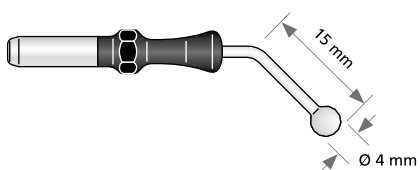
4 kVp

max 95 °C

30191-682

max 134 °C

Ball electrode, bent, \varnothing 4 mm



No. 20191-226

= 5

4 kVp

max 95 °C

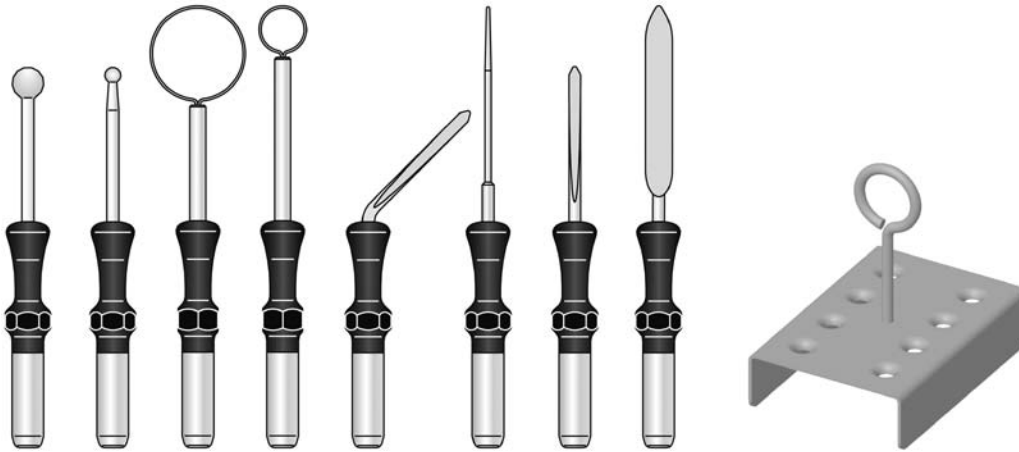
30191-682

max 134 °C

Ø 4 mm

Reusable, shaft Ø 4 mm

Small set of surgical instruments



No. 20191-257



= 1

4 kVp

max 95 °C



30191-682

max 134 °C

Consisting of	Diameter	Width	Length	No.
Sterilizing insert for 8 electrodes				20191-004
Ball electrode, straight	4 mm			20191-222
Ball electrode, straight	2 mm			20191-221
Ribbon snare electrode, straight	12 mm			20191-218
Wire snare electrode, straight	6 mm			20191-215
Knife electrode, bent		1.5 mm	17 mm	20191-212
Needle electrode, straight	0.8 mm		22 mm	20191-211
Knife electrode, straight		1.5 mm	17 mm	20191-209
Knife electrode, straight		3.4 mm	24 mm	20191-208

Sterilizing insert for 8 electrodes, 66 x 17 x 46 mm (W x H xD)



No. 20191-004



= 1

max 95 °C

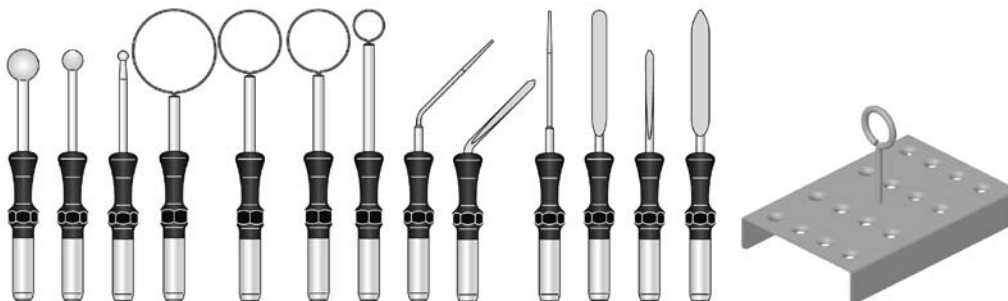
max 134 °C

Monopolar electrodes

Reusable, shaft Ø 4 mm

Ø 4 mm

Large set of surgical instruments



No. 20191-258

= 1

4 kVp

max 95 °C

30191-682

max 134 °C

Consisting of	Diameter	Width	Length	No.
Sterilizing insert for 16 electrodes				20191-002
Ball electrode, straight	6 mm			20191-223
Ball electrode, straight	4 mm			20191-222
Ball electrode, straight	2 mm			20191-221
Ribbon snare electrode, straight	16 mm			20191-219
Ribbon snare electrode, straight	12 mm			20191-218
Wire snare electrode, straight	12 mm			20191-216
Wire snare electrode, straight	6 mm			20191-215
Needle electrode, bent	0.8 mm		20 mm	20191-214
Knife electrode, bent		1.5 mm	17 mm	20191-212
Needle electrode, straight	0.8 mm		22 mm	20191-211
Spatula electrode, straight		3.0 mm	24 mm	20191-210
Knife electrode, straight		1.5 mm	17 mm	20191-209
Knife electrode, straight		3.4 mm	24 mm	20191-208

Sterilizing insert for 16 electrodes, 100 x 17 x 67 mm (W x H x D)



No. 20191-002

= 1

max 95 °C

max 134 °C

Ø 4 mm

Reusable, shaft Ø 4 mm

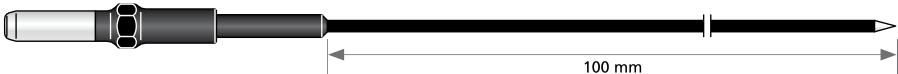
Needle electrode, straight, Ø 0.8 x 29 mm



• Ø 0,8 mm

No. 20191-240	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

Needle electrode, straight, Ø 1.0 x 100 mm

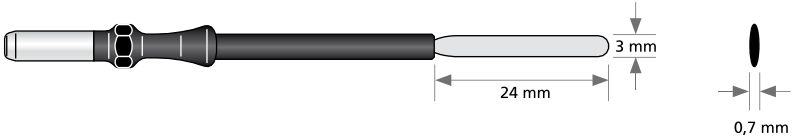


• Ø 1 mm

e.g. for incision of the concha nasalis, for body cavities

No. 20191-375	
= 1	1 kVp
	max 95 °C
30191-789	max 134 °C

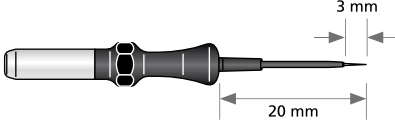
Spatula electrode, straight, 3 x 24 mm, flexible



e.g. for Coronary Bypass Surgery

No. 20191-274	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

Tungsten needle electrode, straight, Ø 0.5 x 20 mm

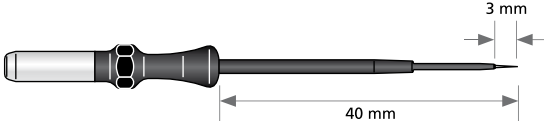


• Ø 0,5 mm

e.g. for precise skin incisions

No. 20191-362	
= 1	1 kVp
	max 95 °C
30191-789	max 134 °C

Tungsten needle electrode, straight, Ø 0.5 x 40 mm

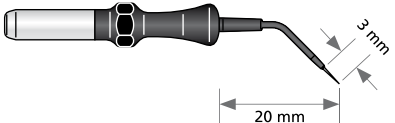


• Ø 0,5 mm

e.g. for precise skin incisions

No. 20191-364	
= 1	1 kVp
	max 95 °C
30191-789	max 134 °C

Tungsten needle electrode, bent, Ø 0.5 x 20 mm



• Ø 0,5 mm

e.g. for precise skin incisions

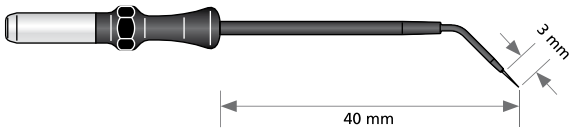
No. 20191-363	
= 1	1 kVp
	max 95 °C
30191-789	max 134 °C

Monopolar electrodes

Reusable, shaft \varnothing 4 mm

\varnothing 4 mm

Tungsten needle electrode, bent, \varnothing 0.5 x 40 mm



• \varnothing 0,5 mm

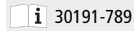
e.g. for precise skin incisions

No. 20191-365



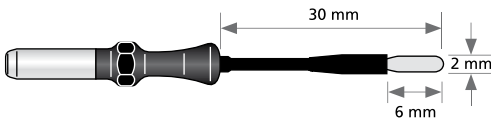
1 kVp

max 95 °C



max 134 °C

Spatula electrode, straight, 2 x 6 mm, flexible, length 30 mm



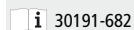
e.g. for Coronary Bypass Surgery

No. 20191-340



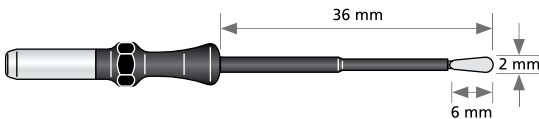
4 kVp

max 95 °C



max 134 °C

Spatula electrode, straight, 2 x 6 mm, flexible, length 36 mm



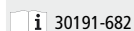
e.g. for Coronary Bypass Surgery

No. 20191-338



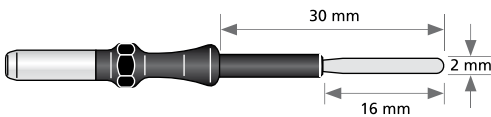
4 kVp

max 95 °C



max 134 °C

Spatula electrode, straight, 2 x 16 mm, flexible, length 30 mm



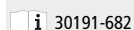
e.g. for Coronary Bypass Surgery

No. 20191-339



4 kVp

max 95 °C



max 134 °C

Spatula electrode, straight, 2 x 16 mm, flexible, length 73 mm



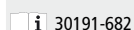
e.g. for Coronary Bypass Surgery

No. 20191-337



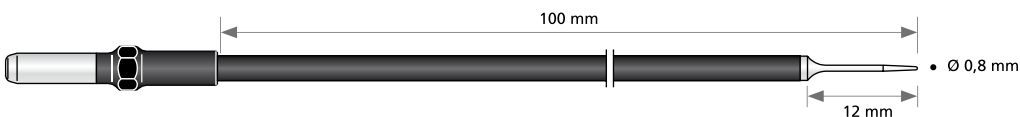
4 kVp

max 95 °C



max 134 °C

Needle electrode, straight, \varnothing 0.8 x 12 mm, length 100 mm



• \varnothing 0,8 mm

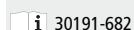
e.g. for body cavities

No. 20191-206



4 kVp

max 95 °C

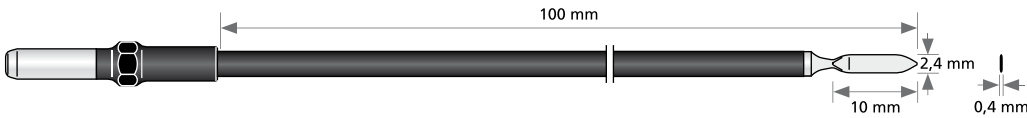


max 134 °C

Ø 4 mm

Reusable, shaft Ø 4 mm

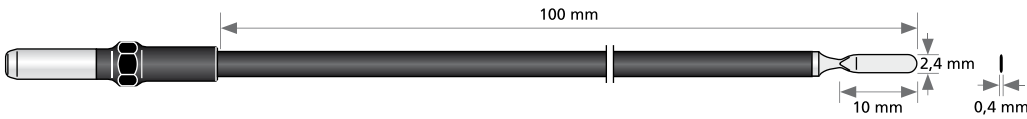
Knife electrode, straight, 0.4 x 10 mm, length 100 mm



e.g. for body cavities

No. 20191-204	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

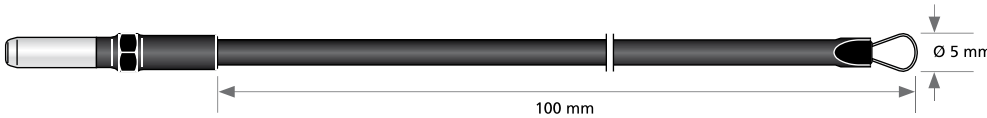
Spatula electrode, straight, 0.4 x 10 mm, length 100 mm



e.g. for body cavities

No. 20191-373	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

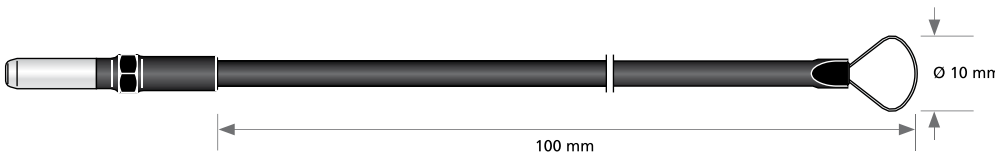
Wire snare electrode, straight, Ø 5 mm, length 100 mm



e.g. for body cavities

No. 20191-201	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

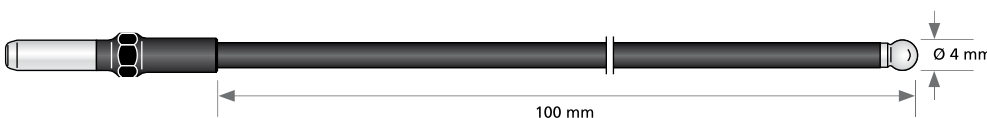
Wire snare electrode, straight, Ø 10 mm, length 100 mm



e.g. for body cavities

No. 20191-200	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

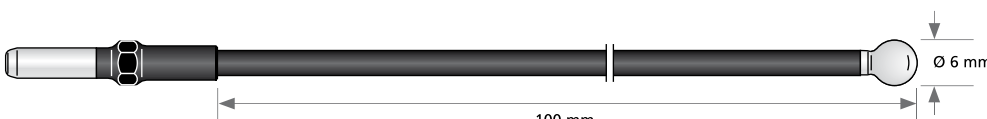
Ball electrode, straight, Ø 4 mm, length 100 mm



e.g. for body cavities

No. 20191-203	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

Ball electrode, straight, Ø 6 mm, length 100 mm



e.g. for body cavities

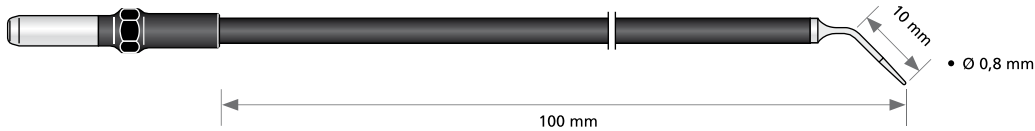
No. 20191-202	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

Monopolar electrodes

Reusable, shaft \varnothing 4 mm

\varnothing 4 mm

Needle electrode, bent, \varnothing 0.8 x 10 mm, length 100 mm



e.g. for body cavities

No. 20191-207

= 1

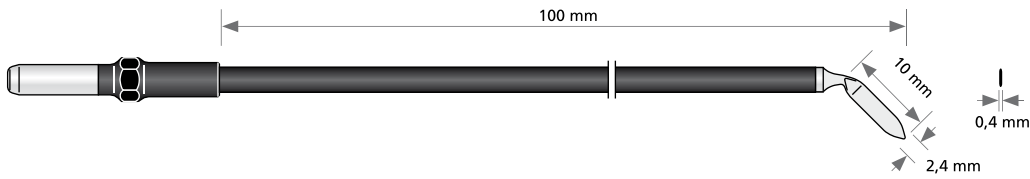
4 kVp

max 95 °C

30191-682

max 134 °C

Knife electrode, bent, \varnothing 0.4 x 10 mm, length 100 mm



e.g. for body cavities

No. 20191-205

= 1

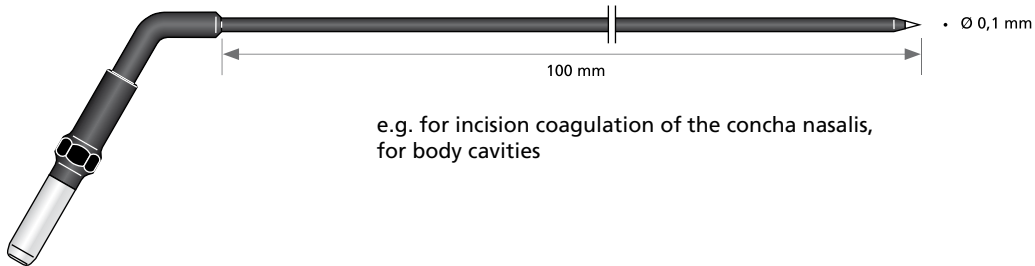
4 kVp

max 95 °C

30191-682

max 134 °C

Needle electrode, bent, pointed, acc. to Mittermaier, length 100 mm



e.g. for incision coagulation of the concha nasalis,
for body cavities

No. 20191-251

= 1

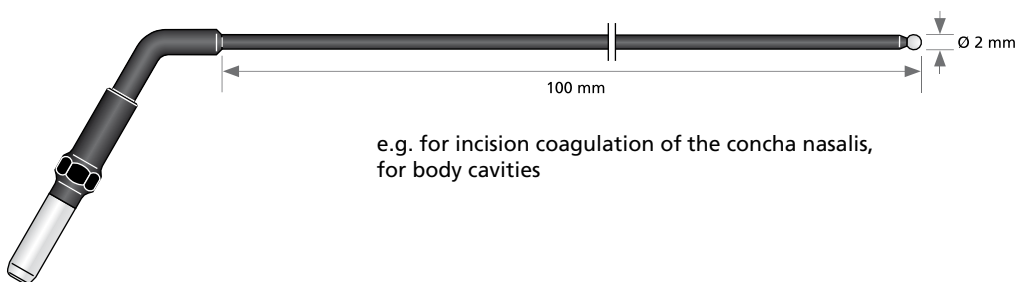
1 kVp

max 95 °C

30191-789

max 134 °C

Ball electrode, bent, \varnothing 2 mm, length 100 mm



e.g. for incision coagulation of the concha nasalis,
for body cavities

No. 20191-250

= 1

1 kVp

max 95 °C

30191-789

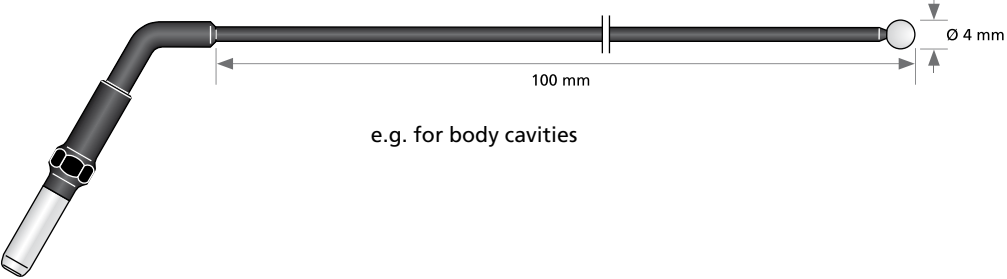
max 134 °C

Ø 4 mm

Reusable, shaft Ø 4 mm

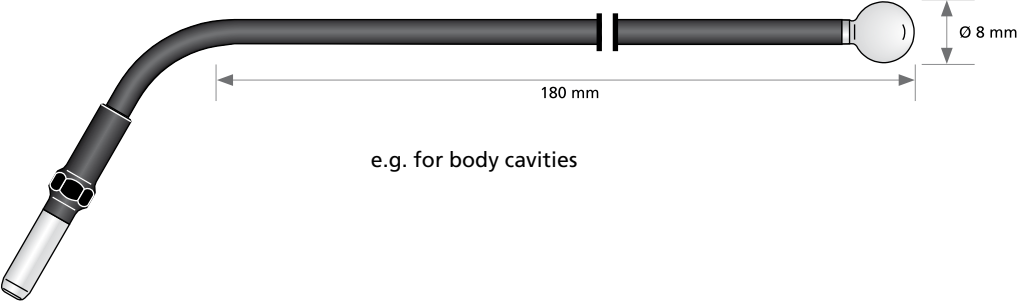
Ball electrode, bent, Ø 4 mm, length 100 mm

No. 20191-380	
= 1	1 kVp
	max 95 °C
30191-789	max 134 °C



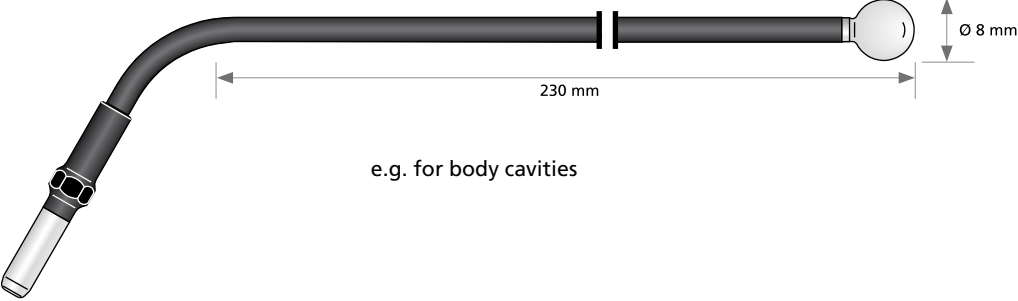
Ball electrode, bent, Ø 8 mm, length 180 mm

No. 20191-247	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C



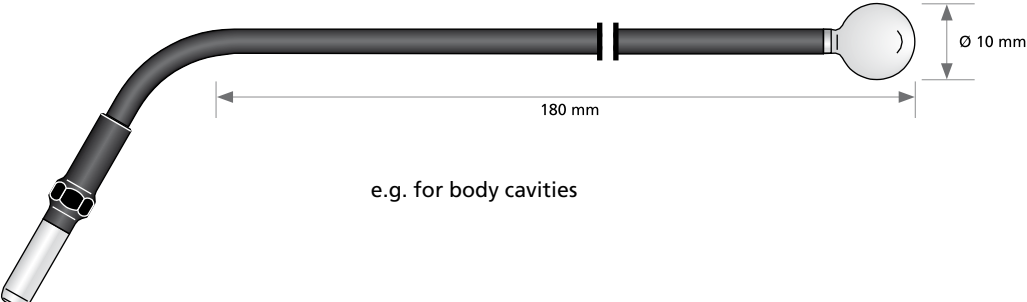
Ball electrode, bent, Ø 8 mm, length 230 mm

No. 20191-249	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C



Ball electrode, bent, Ø 10 mm, length 180 mm

No. 20191-248	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

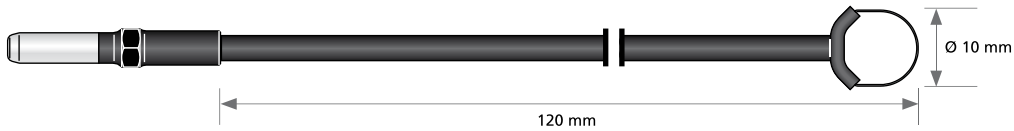


Monopolar electrodes

Reusable, shaft \varnothing 4 mm

\varnothing 4 mm

Snare electrode, straight, \varnothing 10 mm, length 120 mm

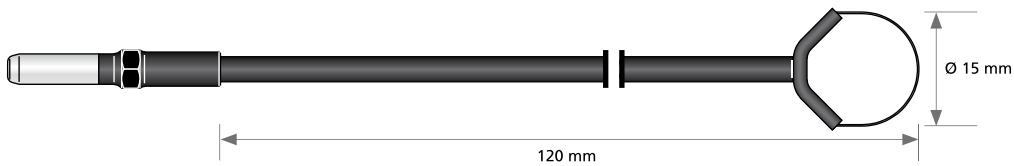


e.g. for the conization of the cervical portio

No. 20191-252

= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Snare electrode, straight, \varnothing 15 mm, length 120 mm

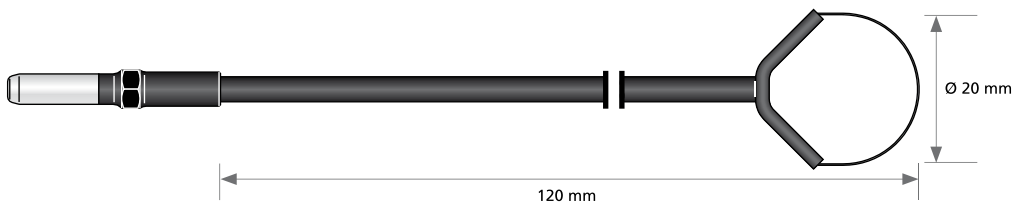


e.g. for the conization of the cervical portio

No. 20191-253

= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Snare electrode, straight, \varnothing 20 mm, length 120 mm

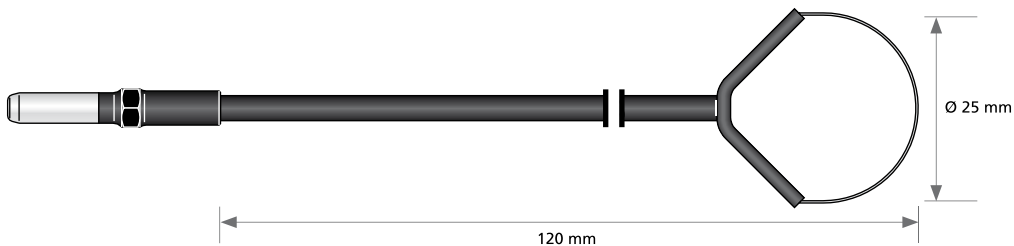


e.g. for the conization of the cervical portio

No. 20191-254

= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Snare electrode, straight, \varnothing 25 mm, length 120 mm

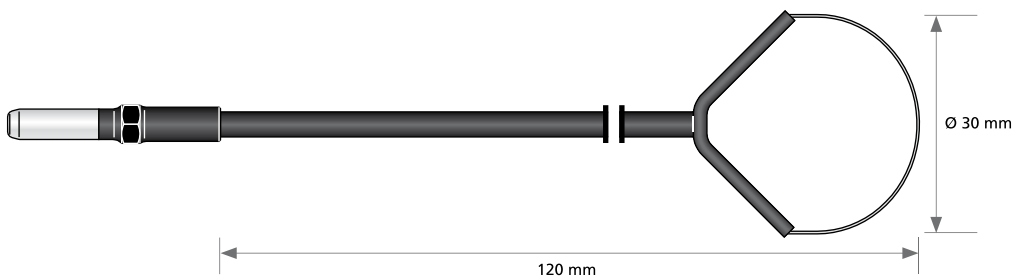


e.g. for the conization of the cervical portio

No. 20191-255

= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Snare electrode, straight, \varnothing 30 mm, length 120 mm



e.g. for the conization of the cervical portio

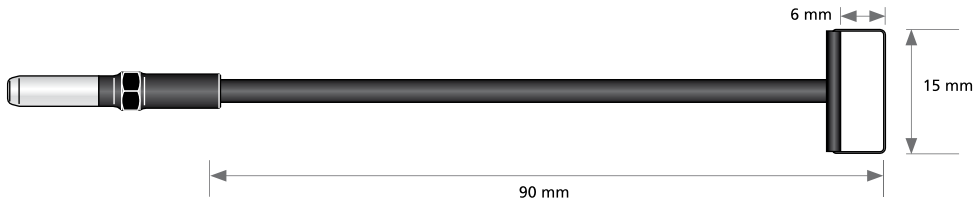
No. 20191-412

= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Ø 4 mm

Reusable, shaft Ø 4 mm

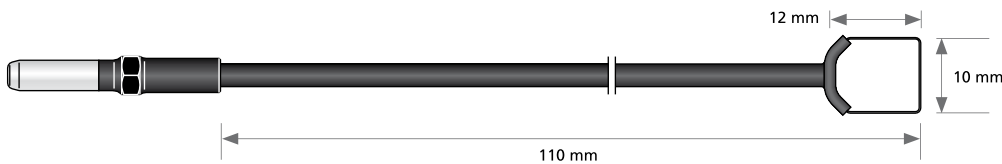
Snare electrode, acc. to Dr. Burger, 6 x 15 mm, length 90 mm



e.g. for the conization of the cervical portio

No. 20191-293	
= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Snare electrode, acc. to Dr. Seidl, 12 x 10 mm, length 110 mm



e.g. for the conization of the cervical portio

No. 20191-291	
= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Snare electrode, acc. to Dr. Seidl, 15 x 10 mm, length 115 mm



e.g. for the conization of the cervical portio

No. 20191-290	
= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Snare electrode, acc. to Dr. Seidl, 20 x 15 mm, length 130 mm



e.g. for the conization of the cervical portio

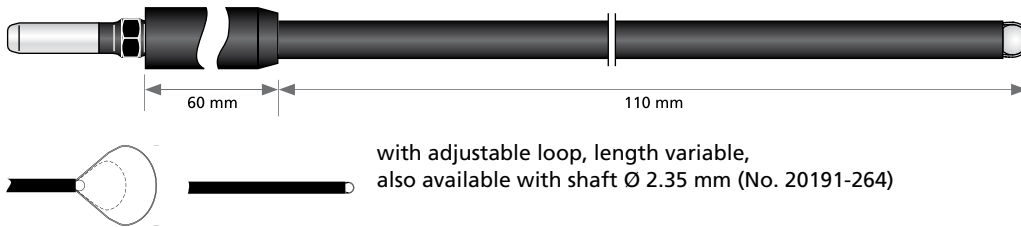
No. 20191-292	
= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Monopolar electrodes

Reusable, shaft Ø 4 mm

Ø 4 mm

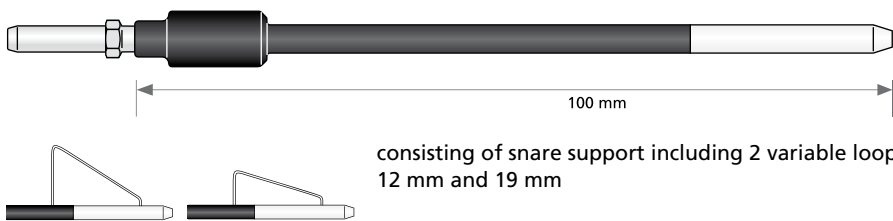
Variloop-conization electrode, acc. to Dr. Mergui



No. 20191-263

= 1	1.5 kVp
30191-549	max 95 °C
	max 134 °C

Conization electrode, straight, length 100 mm



No. 20191-075

= 1	0.5 kVp
30191-687	max 95 °C
	max 134 °C

Loop for conization electrode 20191-075

		No.
Length 12 mm	max 0.5 kVp	20191-076
Length 19 mm	max 0.5 kVp	20191-077

Handle

Pistol-shaped handle for conization electrode (20191-075), shaft Ø 4 mm



No.

20190-041

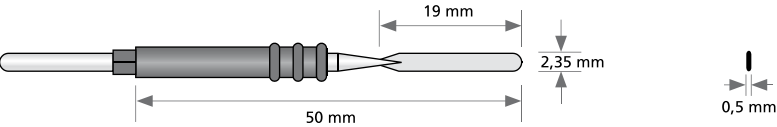
Monopolar connecting cables for pistol-shaped handle (20190-041)

		Length	No.
Standard		4 m	20192-097
International		4 m	20192-111
T-Series		4 m	20192-098

Ø 2,35 mm

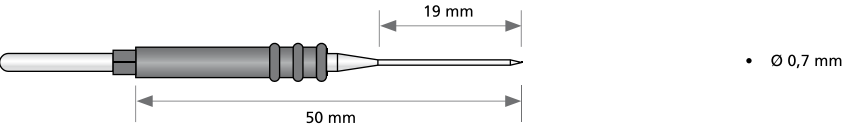
Reusable, shaft Ø 2.35 mm

Spatula electrode, straight, 2.35 x 19 mm, length 50 mm



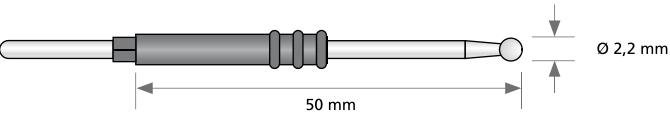
No. 20191-392	
= 5	4 kVp
30191-747	max 95 °C
	max 138 °C

Needle electrode, straight, Ø 0.7 x 19 mm, length 50 mm



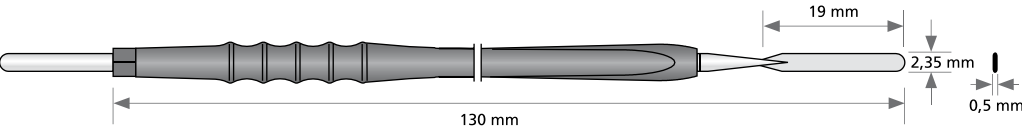
No. 20191-390	
= 5	4 kVp
30191-747	max 95 °C
	max 138 °C

Ball electrode, straight, Ø 2.2 mm, length 50 mm



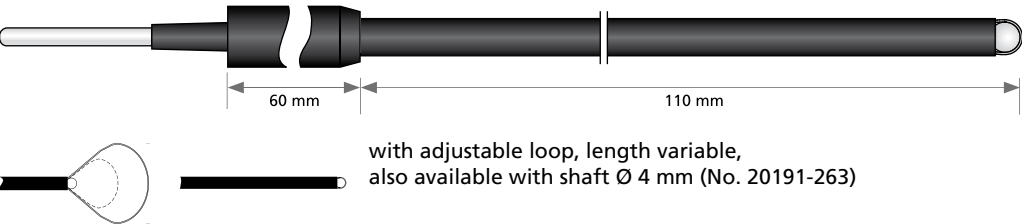
No. 20191-389	
= 5	4 kVp
30191-747	max 95 °C
	max 138 °C

Spatula electrode, straight, 2.35 x 19 mm, length 130 mm



No. 20191-391	
= 5	4 kVp
30191-747	max 95 °C
	max 138 °C

Variloop-conization electrode, acc. to Dr. Mergui



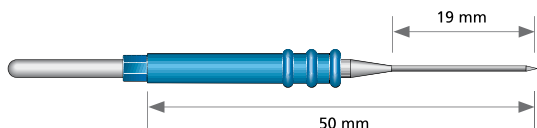
No. 20191-264	
= 1	1.5 kVp
30191-549	max 95 °C
	max 134 °C

Monopolar electrodes

Single use, shaft \varnothing 2.35 mm

\varnothing 2,35 mm

Needle electrode, straight, \varnothing 0.7 x 19 mm, length 50 mm



• \varnothing 0,7 mm

No. 20191-377

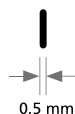
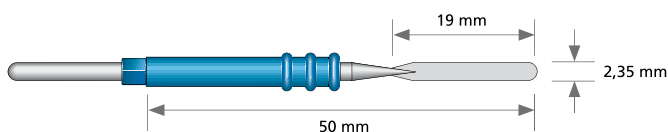
= 50

4 kVp

30191-742

STERILE R

Spatula electrode, straight, 2.35 x 19 mm, length 50 mm



No. 20191-376

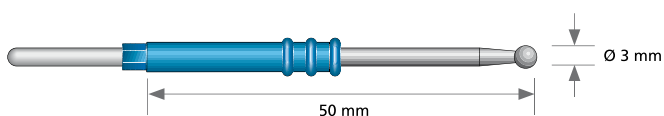
= 50

4 kVp

30191-742

STERILE R

Ball electrode, straight, \varnothing 3 mm, length 50 mm



No. 20191-378

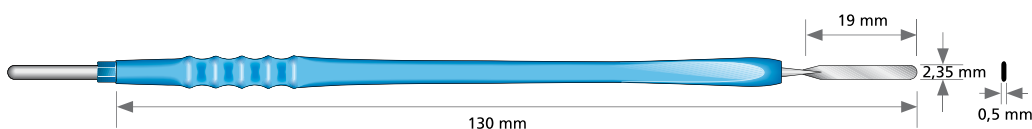
= 50

4 kVp

30191-742

STERILE R

Spatula electrode, straight, 2.35 x 19 mm, length 130 mm



No. 20191-379

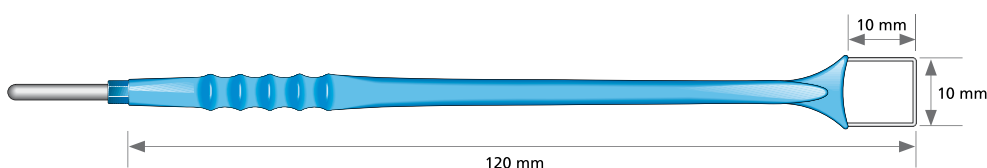
= 50

4 kVp

30191-742

STERILE R

Snare electrode, squared, 10 x 10 mm, length 120 mm



No. 20191-384

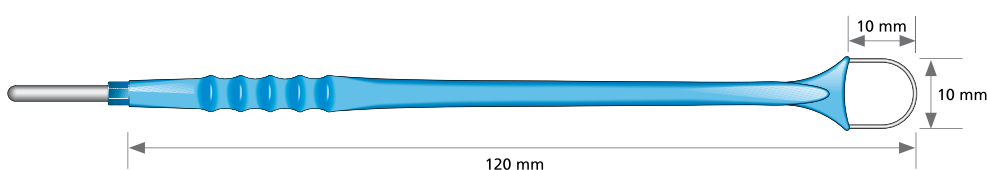
= 10

4 kVp

30191-742

STERILE R

Snare electrode, round, 10 x 10 mm, length 120 mm



No. 20191-385

= 10

4 kVp

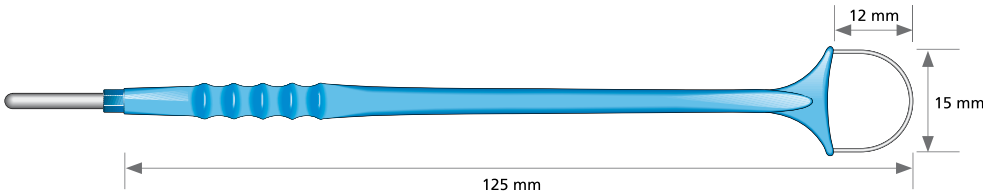
30191-742

STERILE R

Ø 2,35 mm

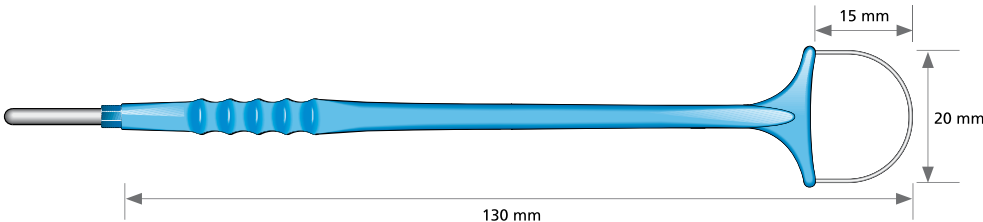
Single use, shaft Ø 2.35 mm

Snare electrode, round, 15 x 12 mm, length 125 mm



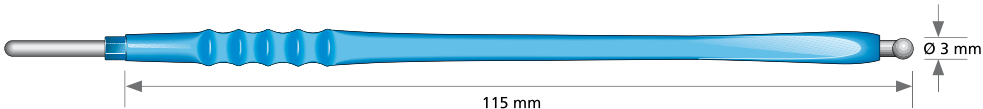
No. 20191-386	
= 10	4 kVp
30191-742	STERILE R

Snare electrode, round, 20 x 15 mm, length 130 mm



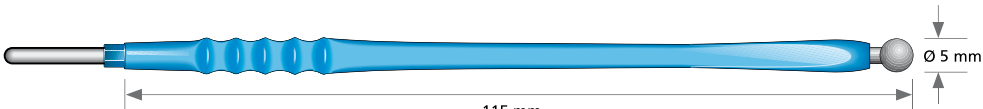
No. 20191-387	
= 10	4 kVp
30191-742	STERILE R

Ball electrode, straight, Ø 3 mm, length 115 mm



No. 20191-382	
= 10	4 kVp
30191-742	STERILE R

Ball electrode, straight, Ø 5 mm, length 115 mm



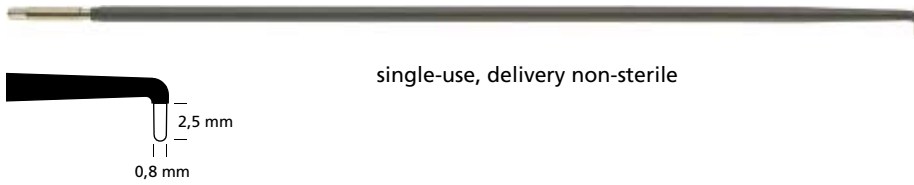
No. 20191-383	
= 10	4 kVp
30191-742	STERILE R

Monopolar electrodes

Single use, shaft \varnothing 2 mm, for arthroscopy

\varnothing 2 mm

Needle electrode, needle angled 90°, needle length 2.5 mm, length 110 mm



No. 20191-331

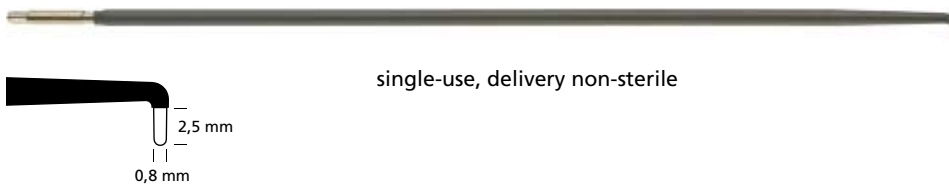
= 5

4 kVp

30191-838



Needle electrode, needle angled 90°, needle length 2.5 mm, length 170 mm



No. 20191-332

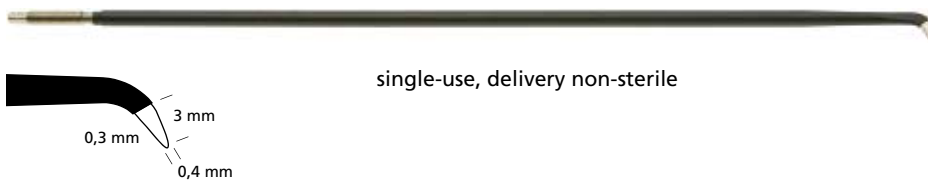
= 5

4 kVp

30191-838



Knife electrode, knife cranked 45°, length 110 mm



No. 20191-333

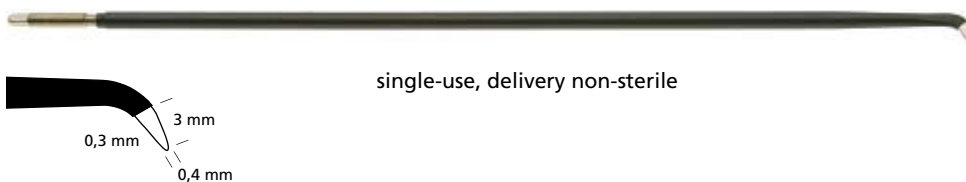
= 5

4 kVp

30191-838



Knife electrode, knife cranked 45°, length 170 mm



No. 20191-334

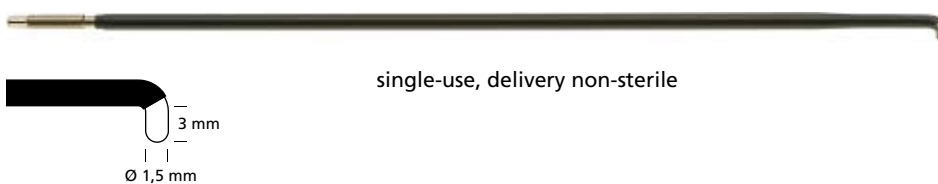
= 5

4 kVp

30191-838



Coagulation electrode, tip angled 90°, length 110 mm



No. 20191-335

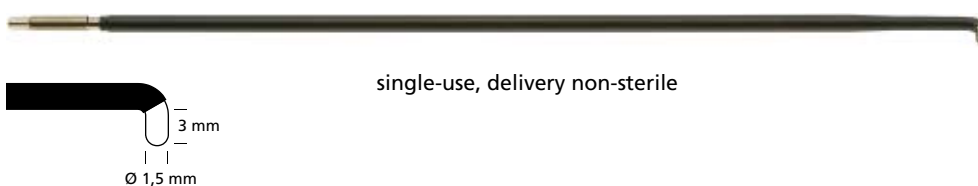
= 5

4 kVp

30191-838



Coagulation electrode, tip angled 90°, length 170 mm



No. 20191-336

= 5

4 kVp

30191-838



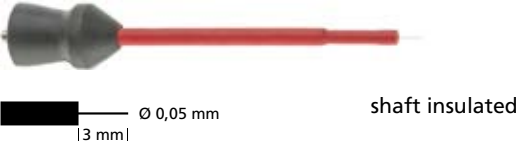
Ø 1,6 mm

Reusable, shaft Ø 1.6 mm, for microsurgery

Needle electrode, straight, Ø 0.05 mm, length 40 mm, color: red

No. 20197-007

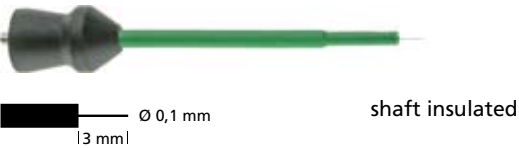
= 1	0.5 kVp
30197-016	max 95 °C
	max 134 °C



Needle electrode, straight, Ø 0.1 mm, length 40 mm, color: green

No. 20197-008

= 1	0.5 kVp
30197-016	max 95 °C
	max 134 °C



Needle electrode, straight, Ø 0.2 mm, length 40 mm, color: brown

No. 20197-009

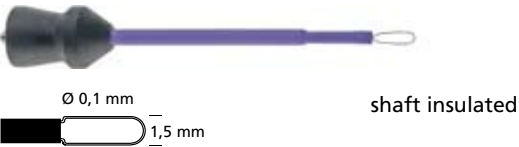
= 1	0.5 kVp
30197-016	max 95 °C
	max 134 °C



Wire snare electrode, straight, 1.5 x 5 mm, length 40 mm, color: violet

No. 20197-020

= 1	0.5 kVp
30197-016	max 95 °C
	max 134 °C



Wire snare electrode, straight, Ø 2.5 mm, length 40 mm, color: yellow

No. 20197-010

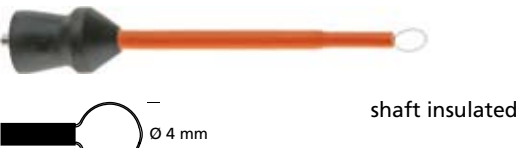
= 1	0.5 kVp
30197-016	max 95 °C
	max 134 °C



Wire snare electrode, straight, Ø 4 mm, length 40 mm, color: orange

No. 20197-019

= 1	0.5 kVp
30197-016	max 95 °C
	max 134 °C



Monopolar electrodes

Reusable, shaft Ø 1.6 mm, for microsurgery

Ø 1,6 mm

Ball electrode, straight, Ø 1.5 mm, length 40 mm, color: blue



shaft insulated

No. 20197-011



= 1

0.5 kVp

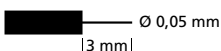
max 95 °C



30197-016

max 134 °C

Needle electrode, angled, Ø 0.05 mm, length 40 mm, color: red



shaft insulated

No. 20197-021



= 1

0.5 kVp

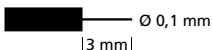
max 95 °C



30197-016

max 134 °C

Needle electrode, angled, Ø 0.1 mm, length 40 mm, color: green



shaft insulated

No. 20197-022



= 1

0.5 kVp

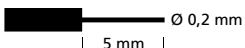
max 95 °C



30197-016

max 134 °C

Needle electrode, angled, Ø 0.2 mm, length 40 mm, color: brown



shaft insulated

No. 20197-023



= 1

0.5 kVp

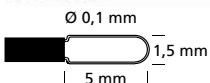
max 95 °C



30197-016

max 134 °C

Wire snare electrode, 1.5 x 5 mm, angled, length 40 mm, color: violet



shaft insulated

No. 20197-026



= 1

0.5 kVp

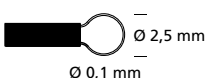
max 95 °C



30197-016

max 134 °C

Wire snare electrode, angled, Ø 2.5 mm, length 40 mm, color: yellow



shaft insulated

No. 20197-024



= 1

0.5 kVp

max 95 °C



30197-016

max 134 °C

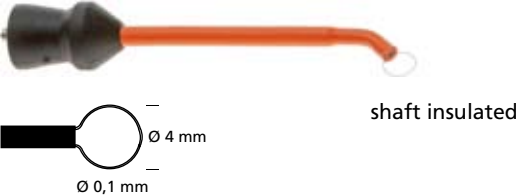
Ø 1,6 mm

Reusable, shaft Ø 1.6 mm, for microsurgery

Wire snare electrode, angled, Ø 4 mm, length 40 mm, color: orange

No. 20197-025

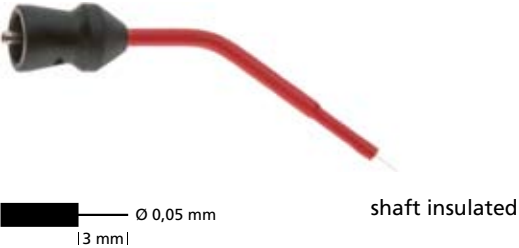
= 1	0.5 kVp
	max 95 °C
30197-016	max 134 °C



Needle electrode, bent, Ø 0.05 mm, length 40 mm, color: red

No. 20197-001

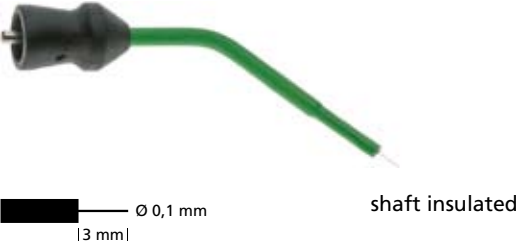
= 1	0.5 kVp
	max 95 °C
30197-016	max 134 °C



Needle electrode, bent, Ø 0.1 mm, length 40 mm, color: green

No. 20197-003

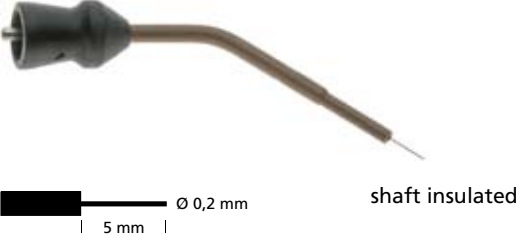
= 1	0.5 kVp
	max 95 °C
30197-016	max 134 °C



Needle electrode, bent, Ø 0.2 mm, length 40 mm, color: brown

No. 20197-002

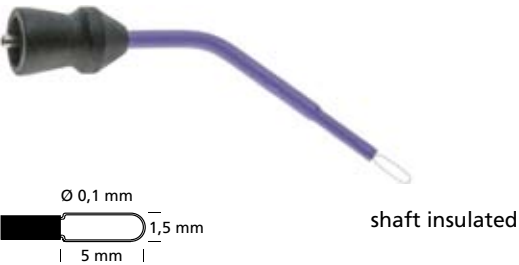
= 1	0.5 kVp
	max 95 °C
30197-016	max 134 °C



Wire snare electrode, bent, 1.5 x 5 mm, length 40 mm, color: violet

No. 20197-028

= 1	0.5 kVp
	max 95 °C
30197-016	max 134 °C

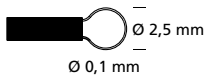


Monopolar electrodes

Reusable, shaft Ø 1.6 mm, for microsurgery

Ø 1,6 mm

Wire snare electrode, bent, Ø 2.5 mm, length 40 mm, color: yellow



shaft insulated

No. 20197-004



= 1

0.5 kVp

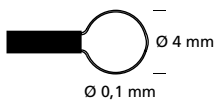
max 95 °C



30197-016

max 134 °C

Wire snare electrode, bent, Ø 4 mm, length 40 mm, color: orange



shaft insulated

No. 20197-027



= 1

0.5 kVp

max 95 °C



30197-016

max 134 °C

Ball electrode, bent, Ø 1.5 mm, length 40 mm, color: blue



shaft insulated

No. 20197-005



= 1

0.5 kVp

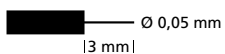
max 95 °C



30197-016

max 134 °C

Needle electrode, angled, Ø 0.05 mm, length 110 mm, color: red



shaft insulated

No. 20197-012



= 1

0.5 kVp

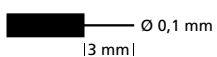
max 95 °C



30197-016

max 134 °C

Needle electrode, angled, Ø 0.1 mm, length 110 mm, color: green



shaft insulated

No. 20197-013



= 1

0.5 kVp

max 95 °C



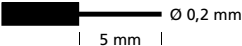
30197-016

max 134 °C

Ø 1,6 mm

Reusable, shaft Ø 1.6 mm, for microsurgery

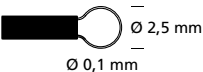
Needle electrode, angled, Ø 0.2 mm, length 110 mm, color: brown



shaft insulated

No. 20197-014	
= 1	0.5 kVp
	max 95 °C
30197-016	max 134 °C

Wire snare electrode, angled, Ø 2.5 mm, length 110 mm, color: yellow



shaft insulated

No. 20197-015	
= 1	0.5 kVp
	max 95 °C
30197-016	max 134 °C

Ball electrode, angled, Ø 1.5 mm, length 110 mm, color: blue



shaft insulated

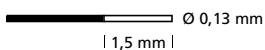
No. 20197-016	
= 1	0.5 kVp
	max 95 °C
30197-016	max 134 °C

Monopolar electrodes

Reusable, shaft \varnothing 0.8 mm, for epilation

\varnothing 0,8 mm

Epilation needle, straight, \varnothing 0.13 mm, needle insulated, length 23 mm



also for use with chuck 20191-224

No. 20191-005



= 10

0.5 kVp

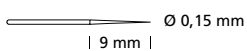
max 95 °C



30191-686

max 134 °C

Epilation needle, straight, \varnothing 0.15 mm, needle non-insulated, length 20 mm



also for use with chuck 20191-224

No. 20191-260



= 10

0.5 kVp

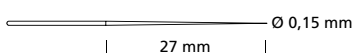
max 95 °C



30191-686

max 134 °C

Epilation needle, straight, \varnothing 0.15 mm, needle non-insulated, length 50 mm



also for use with chuck 20191-220

No. 20191-006



= 10

0.5 kVp

max 95 °C



30191-686

max 134 °C

Ø 0,8 mm

Reusable, shaft Ø 0.8 mm, for epilation

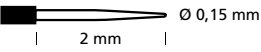
Needle electrode, straight, Ø 0.15 mm, shaft insulated, length 43 mm

No. 20191-083

= 5 0.5 kVp

max 95 °C

30191-686 max 134 °C



also for use with chuck 20191-224

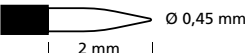
Needle electrode, straight, Ø 0.45 mm, shaft insulated, length 43 mm

No. 20191-084

= 5 0.5 kVp

max 95 °C

30191-686 max 134 °C



also for use with chuck 20191-224

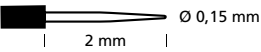
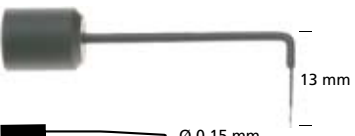
Needle electrode, 90° angled, Ø 0.15 mm, shaft insulated, length 37 mm

No. 20191-082

= 5 1 kVp

max 95 °C

30191-686 max 134 °C



for use with epilation handle 20190-008 or 20190-064

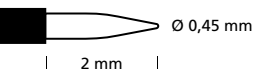
Needle electrode, 90° angled, Ø 0.45 mm, shaft insulated, length 37 mm

No. 20191-081

= 5 1 kVp

max 95 °C

30191-686 max 134 °C



for use with epilation handle 20190-008 or 20190-064

Monopolar electrodes

Shaft extensions, chucks, cleaning pad

Shaft extension, Ø 4 mm, shaft insulated, length 40 mm



No. 20191-358



= 1

4 kVp

max 95 °C



30191-682

max 134 °C

Shaft extension, Ø 4 mm, shaft insulated, length 100 mm



No. 20191-237



= 1

4 kVp

max 95 °C



30191-682

max 134 °C

Shaft extension, Ø 4 mm, shaft insulated, length 150 mm



No. 20191-238



= 1

4 kVp

max 95 °C



30191-682

max 134 °C

Shaft extension, Ø 4 mm, shaft insulated, length 180 mm



No. 20191-239



= 1

4 kVp

max 95 °C



30191-682

max 134 °C

Chuck, Ø 0.3 mm



for non-insulated epilation needles,
for coagulation of small varicose veins,
e.g. with epilation needle 20191-006

No. 20191-220



= 1

0.5 kVp

max 95 °C



30191-720

max 134 °C

Chuck, Ø 0.8 mm



for insulated epilation needles,
for coagulation of small varicose veins,
e.g. with epilation needle 20191-084

No. 20191-224



= 1

0.5 kVp

max 95 °C



30191-720

max 134 °C

Shaft extensions, chucks, cleaning pad

Chuck, Ø 1.6 mm



for microelectrodes

No. 20191-227



= 1

0.5 kVp

max 95 °C



30191-720

max 134 °C

Chuck, Ø 2.5 mm



for non-insulated single-use electrodes, US standard

No. 20191-228



= 1

4 kVp

max 95 °C



30191-720

max 134 °C

Shaft extension, Ø 2.35 mm, shaft insulated, length 40 mm



No. 20191-359



= 1

4 kVp

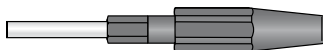
max 95 °C



30191-682

max 134 °C

Chuck, Ø 0.1 - 0.5 mm, Ø 2.35 mm



for non-insulated epilation needles

No. 20191-360



= 1

0.5 kVp

max 95 °C



30191-720

max 134 °C

Cleaning pad for electrodes, with adhesive film, 50 x 50 mm



No. 20191-415



= 100



30191-646

STERILE EO

Monopolar electrodes

Instruments for MIS

Hook electrode, flat, Ø 5 mm, shaft insulated, length 350 mm



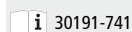
incl. electro-surgical pencil with 2 buttons

No. 20191-179



3.6 kVp

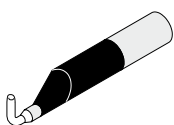
max 95 °C



30191-741

max 138 °C

Hook electrode, round, Ø 5 mm, shaft insulated, length 320 mm



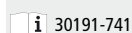
incl. electro-surgical pencil with 2 buttons

No. 20191-184



3.6 kVp

max 95 °C



30191-741

max 134 °C

Monopolar connecting cables

Standard



Length

4 m

5 m

No.

20192-127

20192-094

International



4 m

20192-110

Martin Standard








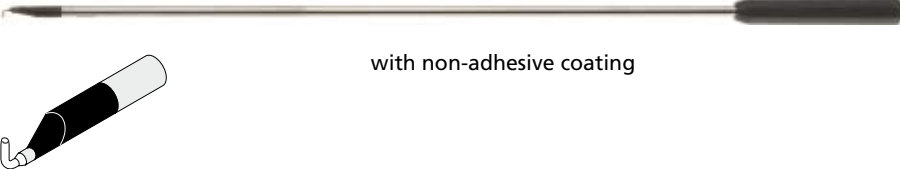
4 m

20192-099

Hook electrode, round, Ø 5 mm, shaft insulated, length 320 mm

No. 20191-157






 = 1	 3.6 kVp
	 max 95 °C
 30191-314	 max 134 °C

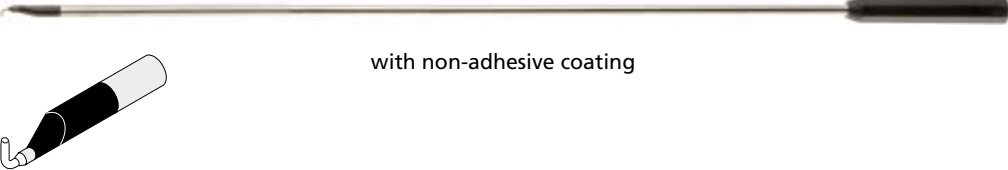


with non-adhesive coating

Hook electrode, round, Ø 5 mm, shaft insulated, length 400 mm

No. 20191-388






 = 1	 3.6 kVp
	 max 95 °C
 30191-314	 max 134 °C

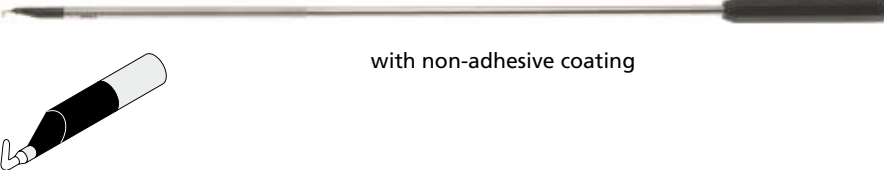


with non-adhesive coating

Hook electrode, flat, J-shaped, Ø 5 mm, shaft insulated, length 320 mm

No. 20191-174






 = 1	 3.6 kVp
	 max 95 °C
 30191-314	 max 134 °C

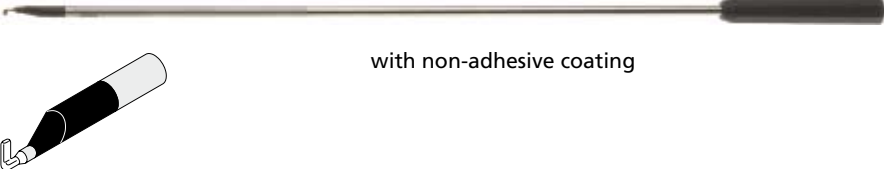


with non-adhesive coating

Hook electrode, flat, L-shaped, Ø 5 mm, shaft insulated, length 320 mm

No. 20191-161

 = 1	 3.6 kVp
	 max 95 °C
 30191-314	 max 134 °C



with non-adhesive coating

Monopolar electrodes

Instruments for MIS

Needle electrode, Ø 5 mm, shaft insulated, length 320 mm



needle Ø 0.3 mm adjustable to 0 / 0.8 / 1.6 / 2.5 mm,
irrigation connector with Luer-Lock

No. 20191-164



= 1

0.5 kVp

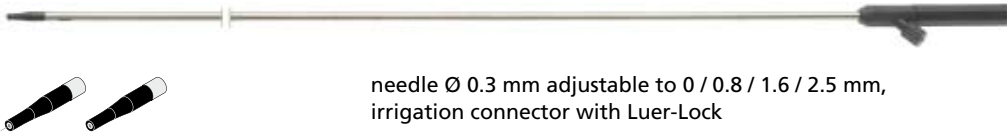
max 95 °C



30191-425

max 134 °C

Needle electrode, Ø 5 mm, shaft insulated, length 470 mm



needle Ø 0.3 mm adjustable to 0 / 0.8 / 1.6 / 2.5 mm,
irrigation connector with Luer-Lock

No. 20191-187



= 1

0.5 kVp

max 95 °C

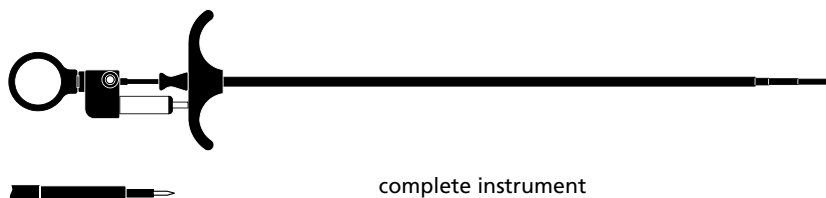


30191-425

max 134 °C

Monopolar connecting cables		Length	No.
Standard		4 m	20192-104
International		4 m	20192-113
T-Series		4 m	20192-107
Martin Standard		4 m	20192-108

Needle electrode with sleeve, Ø 5 mm, tip Ø 0.7 x 4 mm, shaft insulated, length 310 mm



No. 20191-152	
= 1	3.3 kVp
	max 95 °C
30191-507	max 134 °C

Single components		No.
Insert	for needle electrode 20191-152, length 370 mm	40191-026



Monopolar connecting cables	Length	No.
Standard	4 m	20192-101
International	4 m	20192-112



Suction coagulation electrode, suction tube bendable, length 125 mm, with suction control		No. 20191-136
= 1	2.5 kVp	
	max 95 °C	
30191-688	max 134 °C	



suction Ø 3 mm (14 G Gauge),
connection for electrosurgical unit Ø 4 mm,
tube coupling from Ø 3 mm to Ø 5 mm

Monopolar connecting cables	Length	No.
Standard	4 m	20192-097
International	4 m	20192-111
T-Series	4 m	20192-098
Martin Standard	4 m	20192-100



Monopolar electrodes

Instruments for bronchoscopy and ENT

Monopolar puncturing electrode, bent 110°, Ø 0.8 x 12 mm, length 190 mm



No. 20191-395



= 1

0.5 kVp

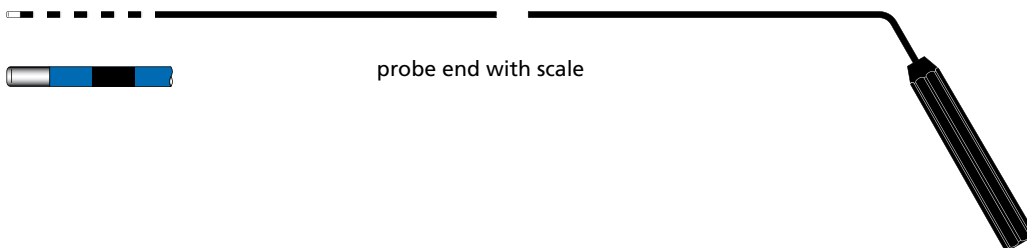
max 95 °C



30191-786

max 138 °C

Coagulation probe, Ø 2.3 mm, rigid, shaft insulated, length 500 mm



probe end with scale

No. 20191-186



= 1

1.5 kVp

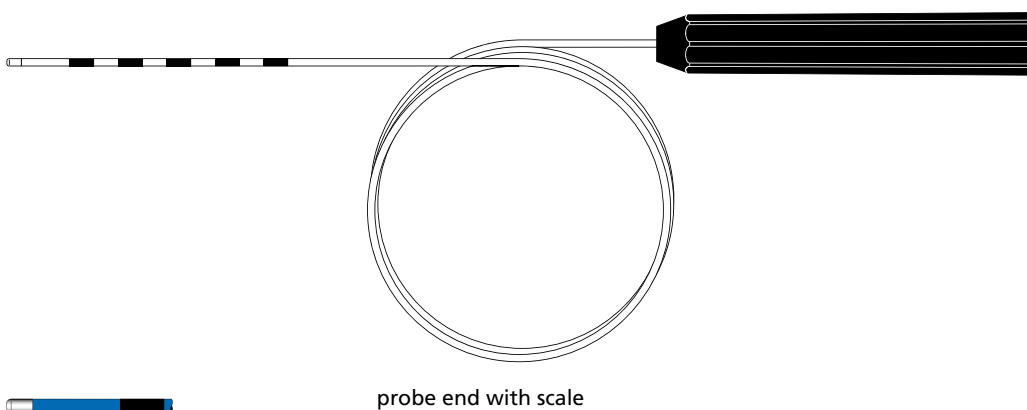
max 95 °C



30191-722

max 138 °C

Coagulation probe, Ø 1.5 mm, flexible, length 1.5 m



probe end with scale

No. 20191-372



= 1

1.5 kVp

max 95 °C



30191-722

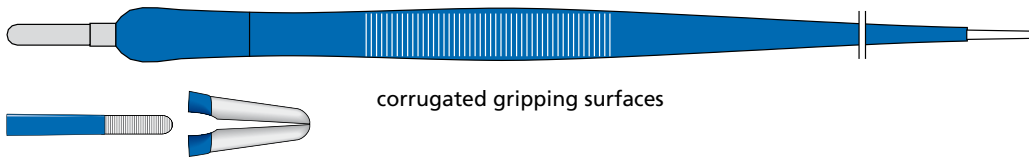
max 138 °C

Monopolar connecting cables

		Length	No.
Standard		4 m	20192-104
International		4 m	20192-113
T-Series		4 m	20192-107
Martin Standard		4 m	20192-108

Anatomical coagulation forceps

Monopolar forceps, straight, tip 1.7 mm, blunt, insulated, length 200 mm



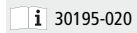
corrugated gripping surfaces

No. 20195-095



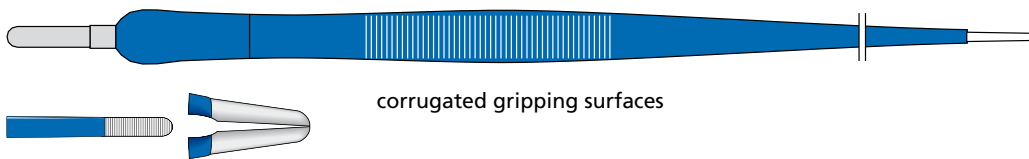
1 kVp

max 95 °C



max 138 °C

Monopolar forceps, straight, tip 1.9 mm, blunt, insulated, length 265 mm



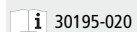
corrugated gripping surfaces

No. 20195-097



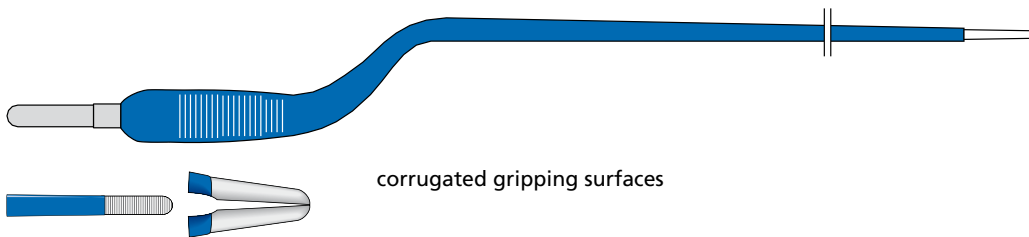
1 kVp

max 95 °C



max 138 °C

Monopolar forceps, bayonet, tip 1.9 mm, blunt, insulated, length 230 mm



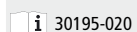
corrugated gripping surfaces

No. 20195-096



1 kVp

max 95 °C



max 138 °C

Monopolar connecting cables

		Length	No.
Standard		4 m	20192-121
International		4 m	20192-122

ELECTROSURGERY

VESSEL SEALING
ARGON PLASMA COAGULATION
CRYO SURGERY
WATERJET SURGERY

ERBE Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen
Germany
Phone +49 7071 755-0
Fax +49 7071 755-179
sales@erbe-med.de
www.erbe-med.com



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