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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.

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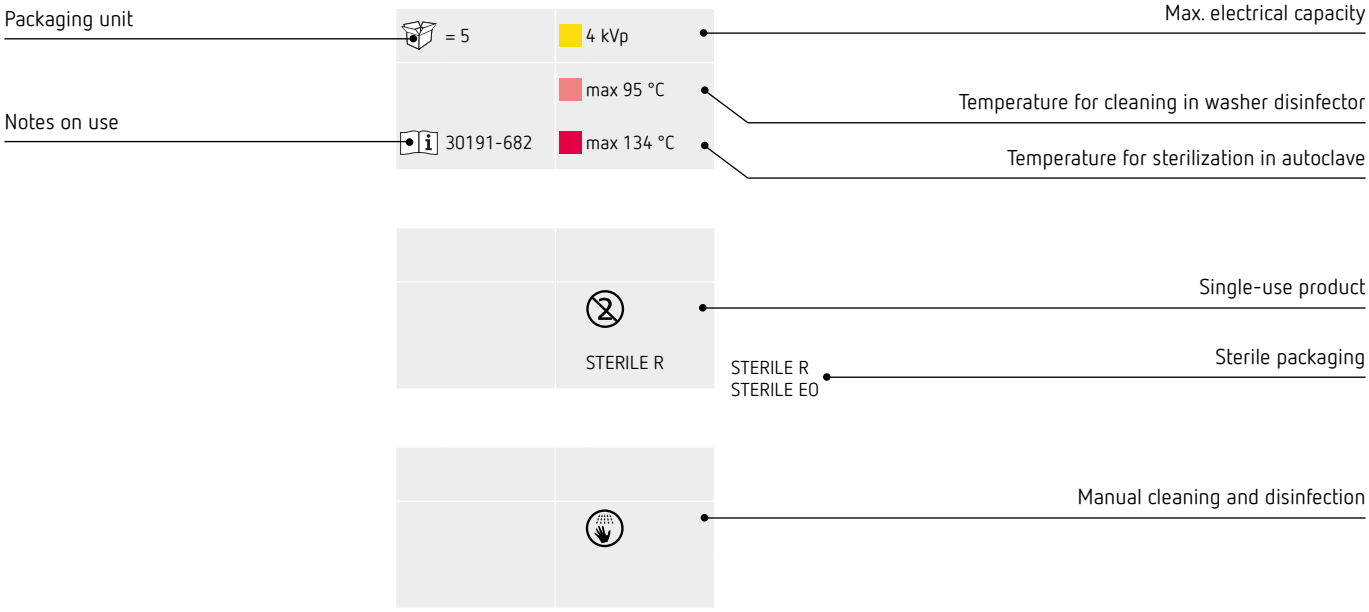
The data on the use of instruments is based on clinical experience. Medical science is subject to a process of permanent change based on research and clinical experience. Therefore the products are subject to alterations in design and technique. Because of production tolerances dimensions in the catalogue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

Further product information



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

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Monopolar electrodes

Dimensioning

Spatula electrode, straight, 2.3 x 19 mm, length 120 mm



Ball electrode, straight, ø 4 mm, length 110 mm



Needle electrode, straight, ø 0.8 x 15 mm, length 120 mm



Tungsten snare electrode, straight, ø 20 mm, length 140 mm



100 %

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Knife electrode, straight, 3.4 x 18 mm, length 40 mm



No. 21191-172	
No. 21191-072	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Knife electrode, straight, 1.5 x 17 mm, length 40 mm



No. 21191-101	
No. 21191-001	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Knife electrode, straight, 3.4 x 24 mm, length 45 mm



No. 21191-100	
No. 21191-000	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, straight, 3 x 24 mm, length 45 mm



No. 21191-102	
No. 21191-002	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, straight, 2.3 x 19 mm, length 45 mm



No. 21191-159	
No. 21191-059	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, straight, insulated, 2.3 x 19 mm, length 45 mm



No. 21191-161	
No. 21191-061	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Spatula electrode, straight, flexible, 2 x 6 mm, length 45 mm



No. 21191-107	
No. 21191-007	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, straight, flexible, 2 x 18 mm, length 45 mm



No. 21191-106	
No. 21191-006	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, straight, flexible, 1.7 x 6 mm, length 50 mm



No. 21191-105	
No. 21191-005	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, straight, flexible, 3 x 24 mm, length 60 mm



No. 21191-103	
No. 21191-003	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, straight, flexible, 2 x 18 mm, length 80 mm



No. 21191-104	
No. 21191-004	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, straight, 2.3 x 19 mm, length 120 mm



No. 21191-153	
No. 21191-053	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	**ø 4 mm shaft**

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Spatula electrode, straight, insulated, 2.3 x 19 mm, length 120 mm	**No. 21191-155**	
	**No. 21191-055**	
	= 1	4.3 kVp
		max 93 °C
	31191-211	max 134 °C
Knife electrode, straight, 2.4 x 12 mm, length 120 mm	**No. 21191-110**	
	**No. 21191-010**	
	= 1	4.3 kVp
		max 93 °C
	31191-211	max 134 °C
Spatula electrode, straight, 2.4 x 12 mm, length 120 mm	**No. 21191-156**	
	**No. 21191-056**	
	= 1	4.3 kVp
		max 93 °C
	31191-211	max 134 °C
Spatula electrode, straight, 2.3 x 19 mm, length 180 mm	**No. 21191-157**	
	**No. 21191-057**	
	= 1	4.3 kVp
		max 93 °C
	31191-211	max 134 °C
Spatula electrode, straight, insulated, 2.3 x 19 mm, length 180 mm	**No. 21191-158**	
	**No. 21191-058**	
	= 1	4.3 kVp
		max 93 °C
	31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Knife electrode, bent, 1.5 x 17 mm, length 30 mm



No. 21191-108	
No. 21191-008	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, bent, 2.3 x 19 mm, length 40 mm



No. 21191-160	
No. 21191-060	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, bent, insulated, 2.3 x 19 mm, length 40 mm



No. 21191-162	
No. 21191-062	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, bent, 3 x 24 mm, length 40 mm



No. 21191-109	
No. 21191-009	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Spatula electrode, bent, 2.3 x 19 mm, length 115 mm



No. 21191-154	
No. 21191-054	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Knife electrode, bent, 2.4 x 12 mm, length 115 mm



No. 21191-111	
No. 21191-011	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Needle electrode, straight, ø 0.8 x 17 mm, length 35 mm	No. 21191-171 / No. 21191-071
	= 5 · 4.3 kVp · max 93 °C · 31191-211 · max 134 °C

Needle electrode, straight, ø 0.8 x 22 mm, length 40 mm	No. 21191-112 / No. 21191-012
	= 5 · 4.3 kVp · max 93 °C · 31191-211 · max 134 °C

Needle electrode, straight, insulated, ø 0.8 x 22 mm, length 40 mm	No. 21191-168 / No. 21191-068
	= 5 · 4.3 kVp · max 93 °C · 31191-211 · max 134 °C

Needle electrode, straight, ø 0.8 x 29 mm, length 65 mm	No. 21191-113 / No. 21191-013
	= 1 · 4.3 kVp · max 93 °C · 31191-211 · max 134 °C

Needle electrode, straight, insulated, ø 0.8 x 15 mm, length 115 mm	No. 21191-169 / No. 21191-069
	= 1 · 4.3 kVp · max 93 °C · 31191-211 · max 134 °C

Needle electrode, straight, ø 0.8 x 15 mm, length 120 mm	No. 21191-120 / No. 21191-020
	= 1 · 4.3 kVp · max 93 °C · 31191-211 · max 134 °C

No. ø 2.4 mm shaft

No. ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Needle electrode, straight, ø 0.8 x 15 mm, length 180 mm



No. 21191-170
No. 21191-070
= 1
4.3 kVp
max 93 °C
31191-211
max 134 °C

Needle electrode, bent, ø 0.8 x 20 mm, length 35 mm



No. 21191-115
No. 21191-015
= 5
4.3 kVp
max 93 °C
31191-211
max 134 °C

Needle electrode, bent, ø 0.8 x 12 mm, length 45 mm



No. 21191-151
No. 21191-051
= 1
4.3 kVp
max 93 °C
31191-211
max 134 °C

Needle electrode, bent, ø 0.8 x 10 mm, length 120 mm



No. 21191-121
No. 21191-021
= 1
4.3 kVp
max 93 °C
31191-211
max 134 °C

Tungsten needle electrode, straight, insulated, ø 0.5 x 3 mm, length 40 mm



No. 21191-116
No. 21191-016
= 1
1 kVp
max 93 °C
31191-211
max 134 °C

Tungsten needle electrode, straight, insulated, ø 0.5 x 3 mm, length 55 mm



No. 21191-118
No. 21191-018
= 1
1 kVp
max 93 °C
31191-211
max 134 °C

No.	ø 2.4 mm shaft
No.	**ø 4 mm shaft**

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Tungsten needle electrode, bent, insulated, ø 0.5 x 3 mm, length 35 mm



No. 21191-117	
No. 21191-017	
= 1	1 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten needle electrode, bent, insulated, ø 0.5 x 3 mm, length 55 mm



No. 21191-119	
No. 21191-019	
= 1	1 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Ball electrode, straight, ø 2 mm, length 40 mm



No. 21191-123	
No. 21191-023	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, straight, ø 3 mm, length 40 mm



No. 21191-163	
No. 21191-063	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, straight, ø 4 mm, length 40 mm



No. 21191-124	
No. 21191-024	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, straight, ø 5 mm, length 40 mm



No. 21191-164	
No. 21191-064	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, straight, ø 6 mm, length 40 mm



No. 21191-125	
No. 21191-025	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, straight, ø 3 mm, length 110 mm



No. 21191-165	
No. 21191-065	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Ball electrode, straight, ø 4 mm, length 110 mm



No. 21191-128	
No. 21191-028	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, straight, ø 5 mm, length 110 mm



No. 21191-166	
No. 21191-066	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, straight, ø 6 mm, length 115 mm



No. 21191-129	
No. 21191-029	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, bent, ø 2 mm, length 35 mm



No. 21191-126	
No. 21191-026	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, bent, ø 4 mm, length 35 mm



No. 21191-127	
No. 21191-027	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Ball electrode, bent, ø 2 mm, length 115 mm



No. 21191-130	
No. 21191-030	
= 1	1 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, bent, ø 4 mm, length 115 mm



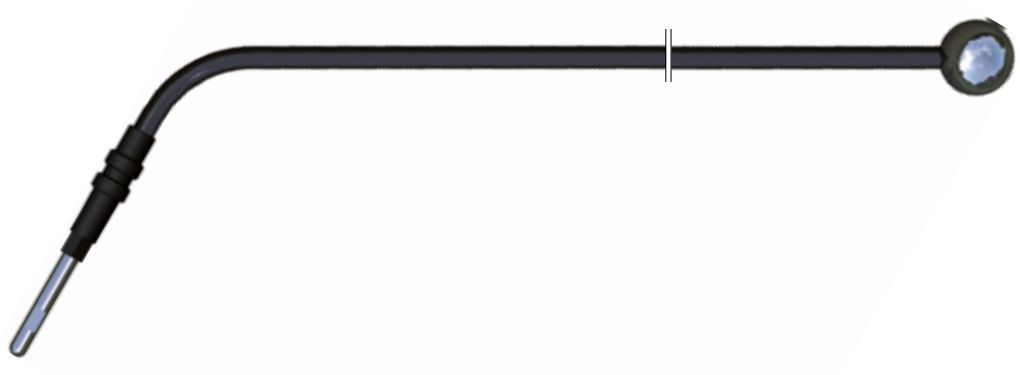
No. 21191-131	
No. 21191-031	
= 1	1 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, bent, ø 8 mm, length 190 mm



No. 21191-132	
No. 21191-032	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ball electrode, bent, ø 10 mm, length 190 mm



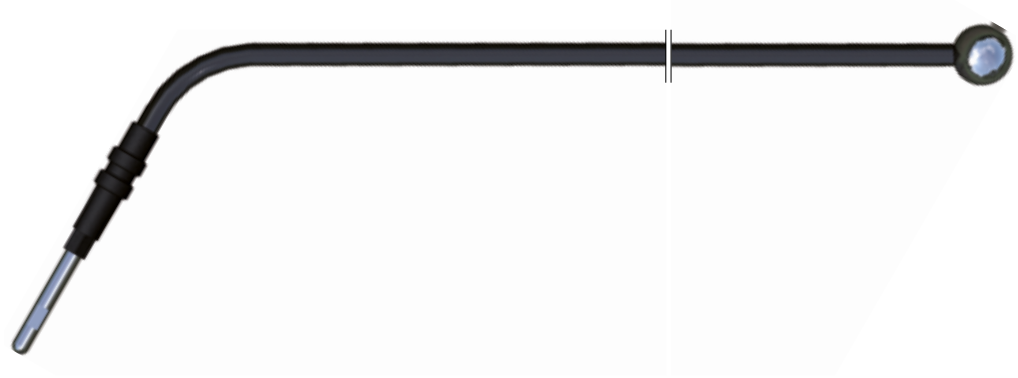
No. 21191-133	
No. 21191-033	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Ball electrode, bent, ø 8 mm, length 240 mm



No. 21191-134	
No. 21191-034	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Wire snare electrode, straight, ø 6 mm, length 40 mm



No. 21191-135	
No. 21191-035	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Wire snare electrode, straight, ø 12 mm, length 40 mm



No. 21191-136	
No. 21191-036	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Wire snare electrode, straight, ø 16 mm, length 40 mm



No. 21191-137	
No. 21191-037	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ribbon snare electrode, straight, ø 12 mm, length 40 mm



No. 21191-138	
No. 21191-038	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Ribbon snare electrode, straight, ø 16 mm, length 40 mm



No. 21191-139	
No. 21191-039	
= 5	4.3 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Tungsten snare electrode, straight, ø 5 mm, length 105 mm



No. 21191-140	
No. 21191-040	
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, ø 10 mm, length 105 mm



	No. 21191-041
= 1	4.3 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, 5 x 5 mm, length 125 mm



No. 21191-167	
No. 21191-067	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, 6 x 15 mm, length 125 mm



No. 21191-149	
No. 21191-049	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, 10 x 12 mm, length 135 mm



No. 21191-147	
No. 21191-047	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, 10 x 15 mm, length 135 mm



No. 21191-146	
No. 21191-046	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm and shaft ø 4 mm

Tungsten snare electrode, straight, 15 x 20 mm, length 140 mm



No. 21191-148	
No. 21191-048	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, ø 10 mm, length 130 mm



No. 21191-142	
No. 21191-042	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, ø 15 mm, length 135 mm



No. 21191-143	
No. 21191-043	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, ø 20 mm, length 140 mm



No. 21191-144	
No. 21191-044	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, ø 25 mm, length 145 mm



No. 21191-145	
No. 21191-045	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

Tungsten snare electrode, straight, ø 30 mm, length 150 mm



No. 21191-150	
No. 21191-050	
= 1	1.5 kVp
	max 93 °C
31191-211	max 134 °C

No.	ø 2.4 mm shaft
No.	ø 4 mm shaft

Monopolar electrodes

Reusable, shaft ø 2.4 mm

Small surgical set, ø 2.4 mm

consisting of electrodes 21191-124, 21191-135, 21191-112, 21191-100 and 21191-108



	No. 21191-180
= 1	4.3 kVp
	max 93 °C
31191-213	max 134 °C

Consisting of	Diameter	Width	Length	No.
Ball electrode, straight	4 mm			21191-124
Wire snare electrode, straight	6 mm			21191-135
Needle electrode, straight	0.8 mm		22 mm	21191-112
Knife electrode, straight		3.4 mm	24 mm	21191-100
Knife electrode, bent		1.5 mm	17 mm	21191-108

Large surgical set, ø 2.4 mm

consisting of 15 monopolar electrodes



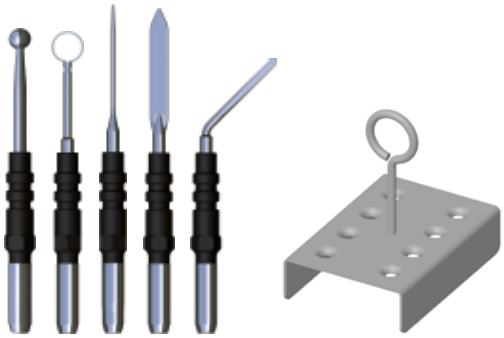
	No. 21191-181
= 1	4.3 kVp
	max 93 °C
31191-213	max 134 °C

Consisting of	Diameter	Width	Length	No.
Ball electrode, straight	2 mm			21191-123
Ball electrode, straight	4 mm			21191-124
Ball electrode, straight	6 mm			21191-125
Ball electrode, bent	4 mm			21191-127
Ribbon snare electrode, straight	12 mm			21191-138
Ribbon snare electrode, straight	16 mm			21191-139
Wire snare electrode, straight	6 mm			21191-135
Wire snare electrode, straight	12 mm			21191-136
Knife electrode, bent		1.5 mm	17 mm	21191-108
Knife electrode, straight		1.5 mm	17 mm	21191-101
Knife electrode, straight		3.4 mm	24 mm	21191-100
Needle electrode, bent	0.8 mm		20 mm	21191-115
Needle electrode, straight	0.8 mm		22 mm	21191-112
Spatula electrode, straight	0.8 mm	3 mm	24 mm	21191-102
Spatula electrode, bent	0.8 mm	3 mm	24 mm	21191-109

Reusable, shaft ø 4 mm

Small surgical set, ø 4 mm

consisting of sterilizing insert 20191-004 and electrodes 21191-000, 21191-008, 21191-012, 21191-024 and 21191-035

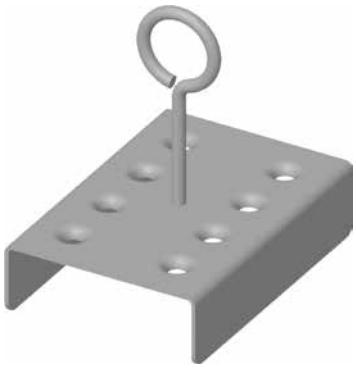


No. 21191-080	
= 1	4.3 kVp
	max 93 °C
31191-213	max 134 °C

Consisting of	Diameter	Width	Length	No.
Sterilizing insert for 8 electrodes				20191-004
Ball electrode, straight	4 mm			21191-024
Wire snare electrode, straight	6 mm			21191-035
Needle electrode, straight	0.8 mm		22 mm	21191-012
Knife electrode, straight		3.4 mm	24 mm	21191-000
Knife electrode, bent		1.5 mm	17 mm	21191-008

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

for shaft ø 4 mm



No. 20191-004	
= 1	
	max 93 °C
	max 134 °C

Reusable, shaft ø 4 mm

Large surgical set, ø 4 mm

consisting of strerilization insert 20191-002 and 15 monopolar electrodes



	No. 21191-081
= 1	4.3 kVp
	max 93 °C
31191-213	max 134 °C

Consisting of	Diameter	Width	Length	No.
Sterilizing insert for 16 electrodes				20191-002
Ball electrode, straight	2 mm			21191-023
Ball electrode, straight	4 mm			21191-024
Ball electrode, straight	6 mm			21191-025
Ball electrode, bent	4 mm			21191-027
Ribbon snare electrode, straight	12 mm			21191-038
Ribbon snare electrode, straight	16 mm			21191-039
Wire snare electrode, straight	6 mm			21191-035
Wire snare electrode, straight	12 mm			21191-036
Knife electrode, bent		1.5 mm	17 mm	21191-008
Knife electrode, straight		1.5 mm	17 mm	21191-001
Knife electrode, straight		3.4 mm	24 mm	21191-000
Needle electrode, bent	0.8 mm		20 mm	21191-015
Needle electrode, straight	0.8 mm		22 mm	21191-012
Spatula electrode, straight	0.8 mm	3 mm	24 mm	21191-002
Spatula electrode, bent	0.8 mm	3 mm	24 mm	21191-009

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



for shaft ø 4 mm

	No. 20191-002
= 1	
	max 93 °C
	max 134 °C

Monopolar electrodes

Old/new table: reusable, shaft ø 4 mm

ø 4 mm shaft	Old	New
Tungsten snare electrode	20191-200	21191-041
Tungsten snare electrode	20191-201	21191-040
Ball electrode	20191-202	21191-029
Ball electrode	20191-203	21191-028
Knife electrode	20191-204	21191-010
Knife electrode	20191-205	21191-011
Needle electrode	20191-206	21191-020
Needle electrode	20191-207	21191-021
Knife electrode	20191-208	21191-000
Knife electrode	20191-209	21191-001
Spatula electrode	20191-210	21191-002
Needle electrode	20191-211	21191-012
Knife electrode	20191-212	21191-008
Spatula electrode	20191-213	21191-009
Needle electrode	20191-214	21191-015
Wire snare electrode	20191-215	21191-035
Wire snare electrode	20191-216	21191-036
Wire snare electrode	20191-217	21191-037
Ribbon snare electrode	20191-218	21191-038
Ribbon snare electrode	20191-219	21191-039
Ball electrode	20191-221	21191-023
Ball electrode	20191-222	21191-024
Ball electrode	20191-223	21191-025

ø 4 mm shaft	Old	New
Ball electrode	20191-225	21191-026
Ball electrode	20191-226	21191-027
Needle electrode	20191-240	21191-013
Needle electrode	20191-251	-
Tungsten snare electrode	20191-252	21191-042
Tungsten snare electrode	20191-253	21191-043
Tungsten snare electrode	20191-254	21191-044
Tungsten snare electrode	20191-255	21191-045
Spatula electrode	20191-274	21191-003
Tungsten snare electrode	20191-291	21191-047
Tungsten snare electrode	20191-292	21191-048
Tungsten snare electrode	20191-293	21191-049
Spatula electrode	20191-337	21191-004
Spatula electrode	20191-338	21191-005
Spatula electrode	20191-339	21191-006
Spatula electrode	20191-340	21191-007
Tungsten needle electrode	20191-362	21191-016
Tungsten needle electrode	20191-363	21191-017
Tungsten needle electrode	20191-364	21191-018
Tungsten needle electrode	20191-365	21191-019
Spatula electrode	20191-373	21191-056
Tungsten snare electrode	20191-412	21191-050
Needle electrode	20191-414	21191-051

Old/new table: reusable, shaft ø 2.4 mm

ø 2.4 mm shaft	Old	New
Ball electrode	20191-389	21191-123
Needle electrode	20191-390	21191-112
Spatula electrode	20191-391	21191-153
Spatula electrode	20191-392	21191-159

The design of the new 2.4 mm and 4 mm electrodes has been optimized. New order numbers apply.
The old/new tables are effective immediately.

Monopolar electrodes

Single-use, shaft ø 2.4 mm

Spatula electrode, straight, 2.3 x 19 mm, length 45 mm



No. 21191-359	
= 50	4.3 kVp
31191-354	STERILE EO

Spatula electrode, straight, insulated, 2.3 x 19 mm, length 45 mm



No. 21191-361	
= 20	4.3 kVp
31191-354	STERILE EO

Spatula electrode, straight, 2.3 x 19 mm, length 120 mm



No. 21191-353	
= 10	4.3 kVp
31191-354	STERILE EO

Needle electrode, straight, ø 0.8 x 22 mm, length 40 mm



No. 21191-312	
= 50	4.3 kVp
31191-354	STERILE EO

Needle electrode, straight, insulated, ø 0.8 x 22 mm, length 40 mm



No. 21191-368	
= 20	4.3 kVp
31191-354	STERILE EO

Tungsten needle electrode, straight, insulated, ø 0.5 x 3 mm, length 40 mm



No. 21191-316	
= 20	4.3 kVp
	STERILE EO

Needle electrode, straight, ø 0.8 x 15 mm, length 120 mm



No. 21191-320	
= 10	4.3 kVp
31191-354	STERILE EO

Monopolar electrodes

Single-use, shaft ø 2.4 mm

Ball electrode, straight, ø 3 mm, length 40 mm



No. 21191-363	
= 50	4.3 kVp
31191-354	STERILE EO

Ball electrode, straight, ø 4 mm, length 40 mm



No. 21191-324	
= 50	4.3 kVp
31191-354	STERILE EO

Ball electrode, straight, ø 5 mm, length 40 mm



No. 21191-364	
= 50	4.3 kVp
31191-354	STERILE EO

Ball electrode, straight, ø 3 mm, length 110 mm



No. 21191-365	
= 10	4.3 kVp
31191-354	STERILE EO

Ball electrode, straight, ø 4 mm, length 110 mm



No. 21191-328	
= 10	4.3 kVp
31191-354	STERILE EO

Ball electrode, straight, ø 5 mm, length 110 mm



No. 21191-366	
= 10	4.3 kVp
31191-354	STERILE EO

Monopolar electrodes

Single-use, shaft ø 2.4 mm

Wire snare electrode, straight, ø 6 mm



No. 21191-335	
= 20	4.3 kVp
31191-354	STERILE EO

Wire snare electrode, straight, ø 12 mm



No. 21191-336	
= 20	4.3 kVp
31191-354	STERILE EO

Tungsten snare electrode, straight, ø 10 mm, length 130 mm



No. 21191-342	
= 10	1.5 kVp
31191-354	STERILE EO

Tungsten snare electrode, straight, ø 15 mm, length 135 mm



No. 21191-343	
= 10	1.5 kVp
31191-354	STERILE EO

Tungsten snare electrode, straight, ø 20 mm, length 140 mm



No. 21191-344	
= 10	1.5 kVp
31191-354	STERILE EO

Monopolar electrodes

Single-use, shaft ø 2.4 mm

Tungsten snare electrode, straight, 6 x 15 mm, length 125 mm



No. 21191-349	
= 10	1.5 kVp
31191-354	STERILE EO

Tungsten snare electrode, straight, 10 x 12 mm, length 135 mm



No. 21191-347	
= 10	1.5 kVp
31191-354	STERILE EO

Old/new table: single-use, shaft ø 2.4 mm

ø 2.4 mm shaft	Old	New
Needle electrode	20191-377	21191-312
Tungsten snare electrode	20191-385	21191-342
Tungsten snare electrode	20191-386	21191-343
Tungsten snare electrode	20191-387	21191-344
Tungsten snare electrode	20191-384	21191-347

ø 2.4 mm shaft	Old	New
Spatula electrode	20191-376	21191-359
Ball electrode	20191-378	21191-363
Ball electrode	20191-382	21191-365
Ball electrode	20191-383	21191-366
Spatula electrode	20191-379	21191-353

The design of the new 2.4 mm and 4 mm electrodes has been optimized. New order numbers apply.
The old/new tables are effective immediately.

Monopolar electrodes

Single-use, shaft ø 2.4 mm

Coated spatula electrode, straight, 2.3 x 19 mm, length 50 mm



No. 21191-459	
= 10	4 kVp
D132530	STERILE EO

Coated spatula electrode, straight, isolated, 2.3 x 19 mm, length 50 mm



No. 21191-461	
= 10	4 kVp
D132530	STERILE EO

Coated spatula electrode, straight, 2.3 x 19 mm, length 83 mm



No. 21191-453	
= 10	4 kVp
D132530	STERILE EO

Coated spatula electrode, straight, isolated, 2.3 x 19 mm, length 83 mm



No. 21191-455	
= 10	4 kVp
D132530	STERILE EO

Coated spatula electrode, straight, 2.3 x 19 mm, length 134 mm



No. 21191-457	
= 10	4 kVp
D132530	STERILE EO

Coated spatula electrode, straight, isolated, 2.3 x 19 mm, length 134 mm



No. 21191-458	
= 10	4 kVp
D132530	STERILE EO

Monopolar electrodes

Single-use, shaft ø 2.4 mm

Coated needle electrode, straight, ø 0.9 x 16 mm, length 50 mm



No. 21191-412	
= 10	4 kVp
D132530	STERILE EO

Coated needle electrode, straight, isolated, ø 0.9 x 16 mm, length 50 mm



No. 21191-468	
= 10	4 kVp
D132530	STERILE EO

Coated needle electrode, straight, ø 0.9 x 16 mm, length 83 mm



No. 21191-420	
= 10	4 kVp
D132530	STERILE EO

Coated needle electrode, straight, isolated, ø 0.9 x 16 mm, length 83 mm



No. 21191-469	
= 10	4 kVp
D132530	STERILE EO

Coated needle electrode, straight, ø 0.9 x 16 mm, length 134 mm



No. 21191-470	
= 10	4 kVp
D132530	STERILE EO

Coated needle electrode, straight, isolated, ø 0.9 x 16 mm, length 134 mm



No. 21191-473	
= 10	4 kVp
D132530	STERILE EO



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

Shaft extension, ø 2.4 mm, shaft insulated, length 40 mm



No. 20191-359	
= 1	4 kVp
	max 95 °C
30191-682	max 134 °C

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



No. 20191-415	
= 100	
30191-646	STERILE EO

Instruments for MIS

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

incl. electrosurgical pencil with 2 buttons

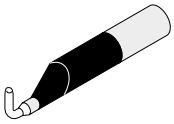


No. 20191-179	
= 1	3.6 kVp
	max 95 °C
30191-741	max 138 °C

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

incl. electrosurgical pencil with 2 buttons





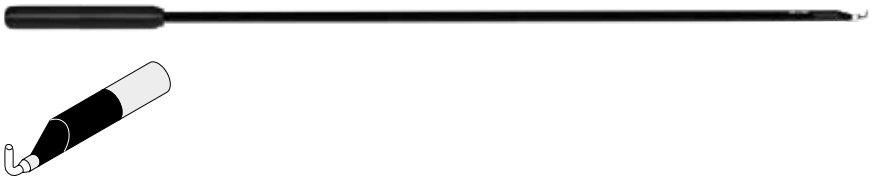
No. 20191-184	
= 1	4.3 kVp
	max 95 °C
30191-314	max 138 °C

Monopolar connecting cables	Connection	Length	Piece	No.
Monopolar connecting cable, VIO, ICC, ACC, Standard, for electrosurgical pencils 20190-045 	Standard (MO 9/5 mm) Standard (MO 9/5 mm)	4 m 5 m	1 1	**20192-127** **20192-094**
Monopolar connecting cable, Martin Standard, 4 m, for electrosurgical pencils 20190-045 	Martin Standard	4 m	1	**20192-099**
Monopolar connecting cable, VIO, ICC, ACC, International, 4 m, for electrosurgical pencils 20190-045 	International	4 m	1	**20192-110**

Instruments for MIS

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

with non-adhesive coating



	No. 20191-157
= 1	4,3 kVp
	max 95 °C
30191-314	max 134 °C

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

with non-adhesive coating



	No. 20191-174
= 1	4,3 kVp
	max 95 °C
30191-314	max 134 °C

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

with non-adhesive coating



	No. 20191-161
= 1	4,3 kVp
	max 95 °C
30191-314	max 134 °C

Monopolar connecting cables	Connection	Length	Piece	No.
Monopolar connecting cable, VIO, ICC, ACC, Standard, 4 m, for CUT and COAG MIS instruments, with connection ø 4 mm 	Standard (MO 9/5 mm)	4 m	1	**20192-104**
Monopolar connecting cable, Martin Standard, 4 m, for CUT and COAG MIS instruments, with connection ø 4 mm 	Martin Standard	4 m	1	**20192-108**
Monopolar connecting cable, VIO, ICC, ACC, International ø 8 mm (Bovie Jack), 4 m, for CUT and COAG MIS instruments, with connection ø 4 mm 	International ø 8 mm (Bovie Jack)	4 m	1	**20192-113**
Monopolar connecting cable, 3-Pin, ø 4 mm socket, length 4.5 m for CUT and COAG MIS instruments, with connection ø 4 mm 	International (3-Pin)	4.5 m	1	**20192-133**

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