

Legend

Important notes

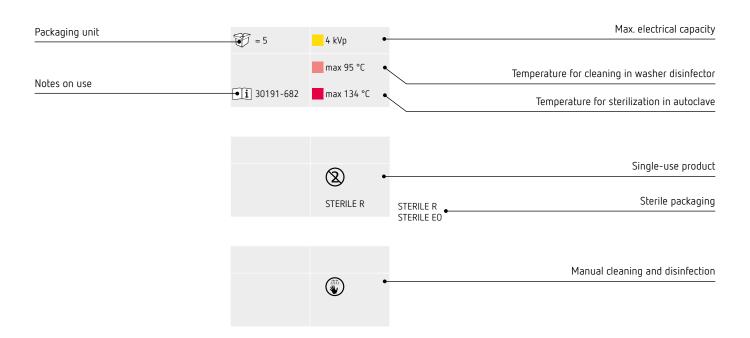
The authors and Erbe Elektromedizin GmbH have taken the greatest possible care while compiling the catalogue with electrosurgical accessories. Nevertheless, it is impossible to exclude the possibility that errors may be contained herein.

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

Further product information



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

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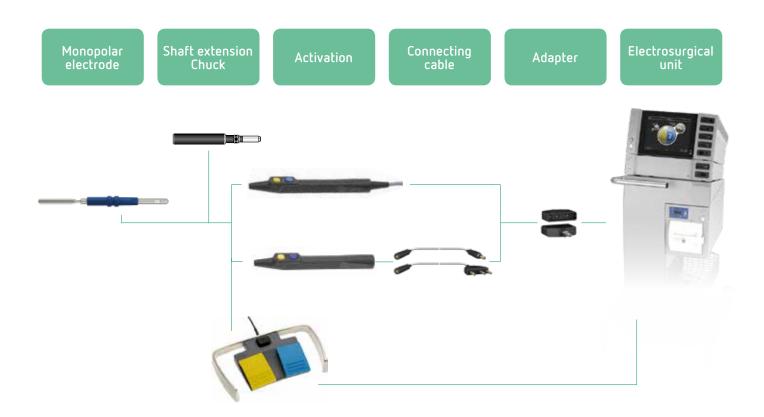
05 Reusable, shaft ø 2.4 mm and shaft ø 4 mm

- 22 Single use, shaft ø 2.4 mm
- $28 \qquad \text{Single use, shaft } \emptyset \text{ 2 mm for arthroscopy}$
- 29 Shaft extensions, chucks, cleaning pad

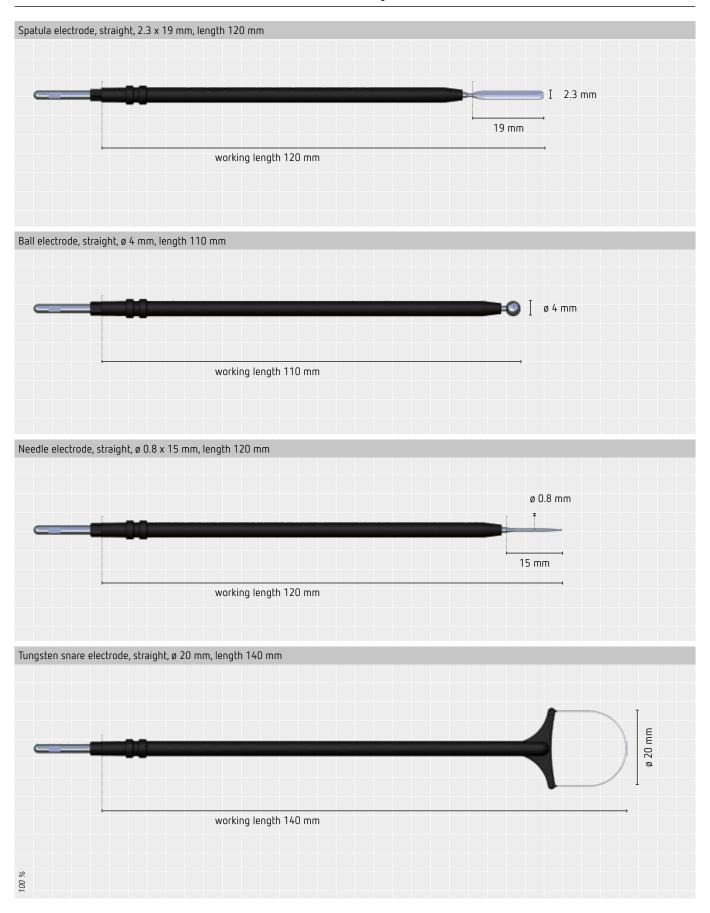
Monopolar instruments

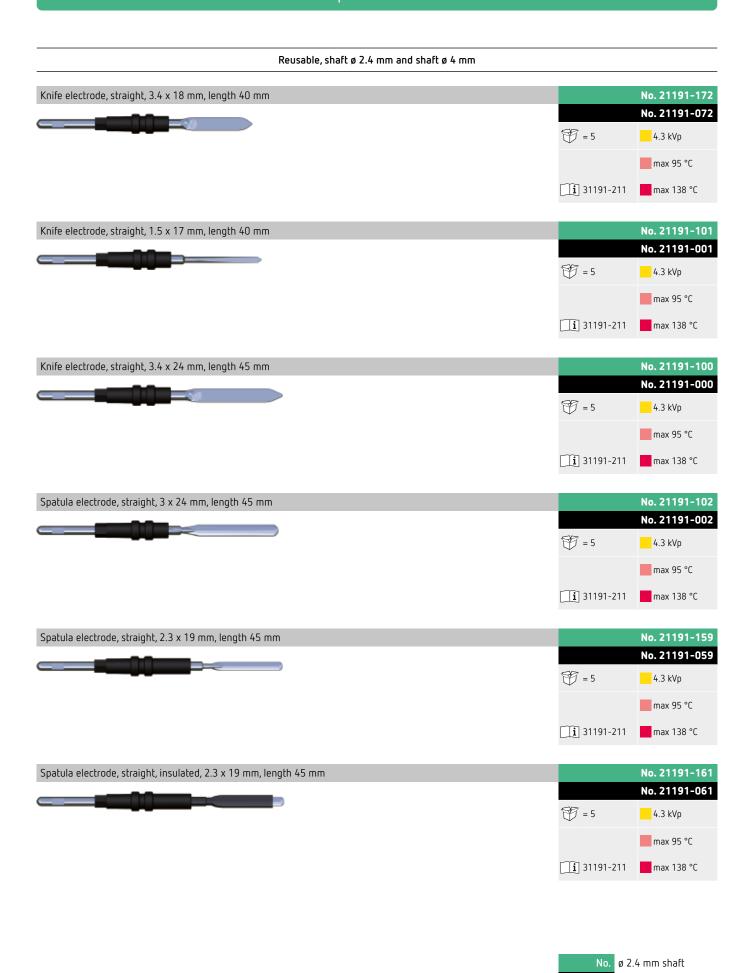
30 Instruments for MIS

Overview



Dimensioning

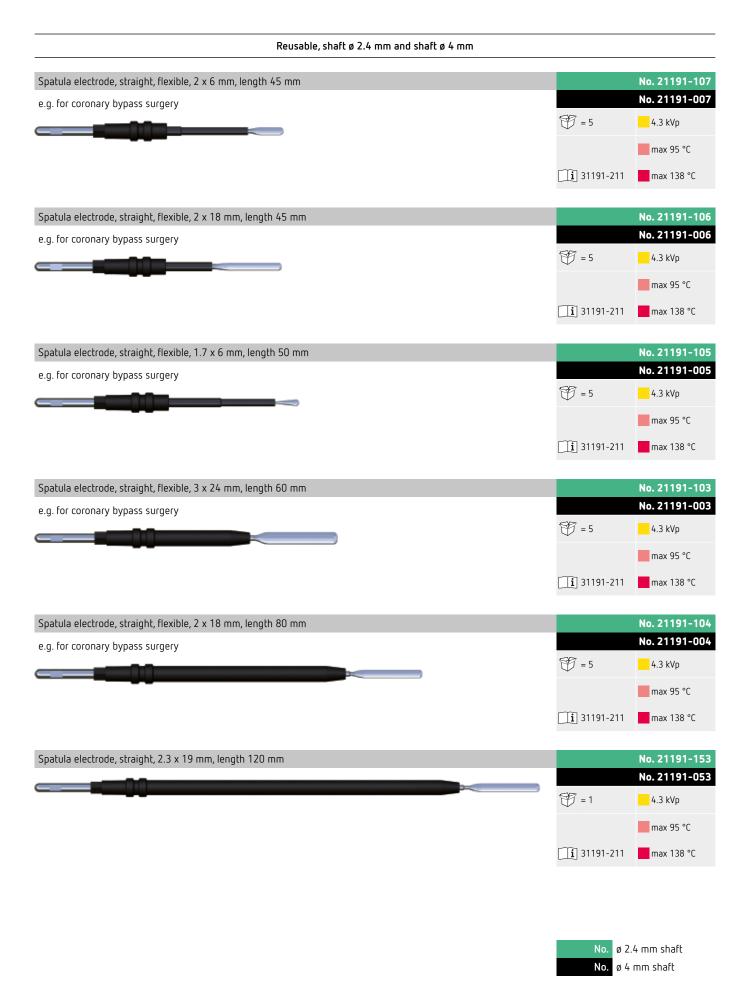


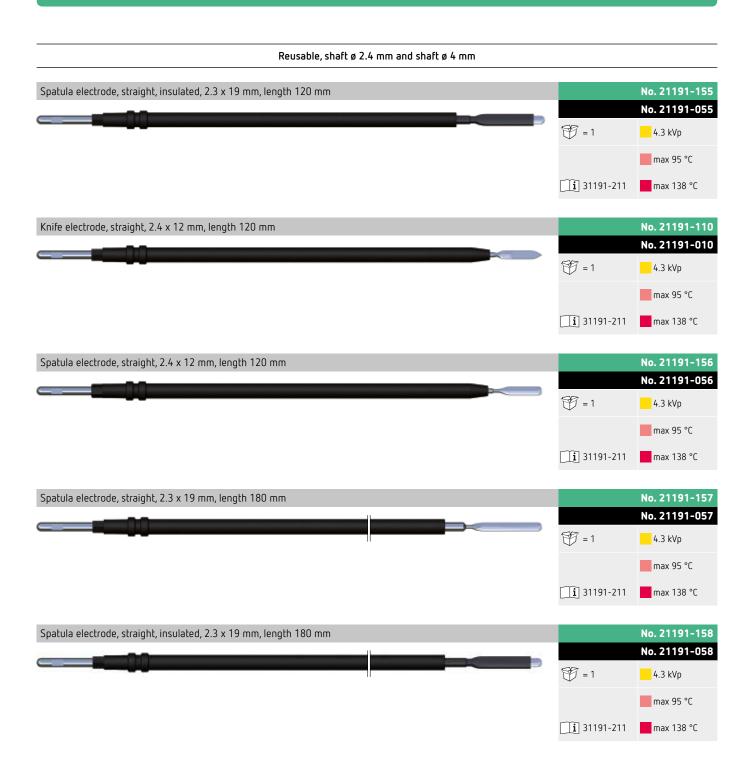


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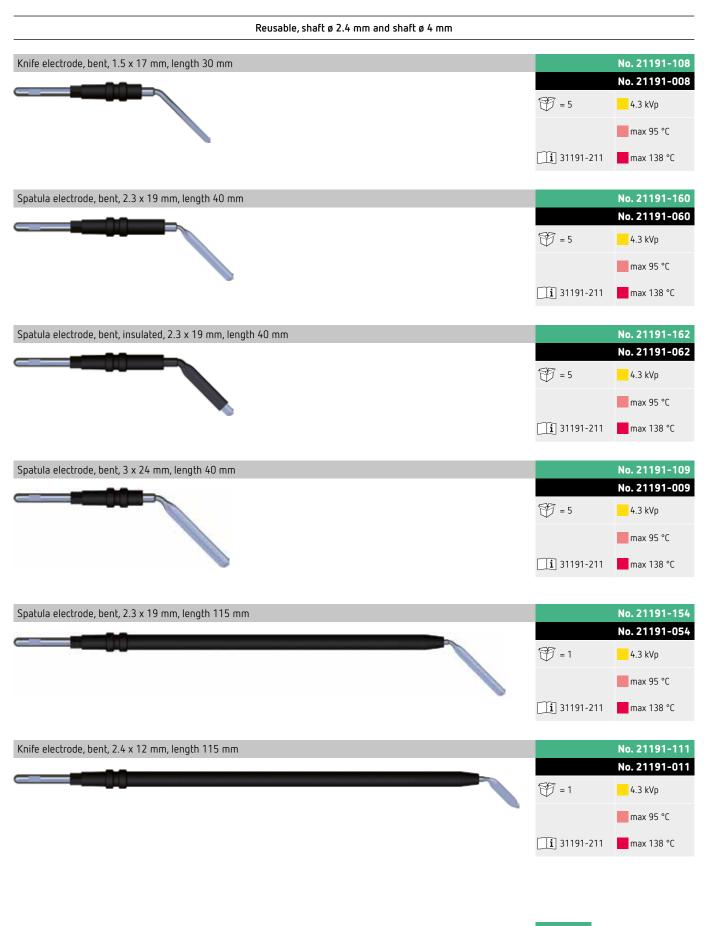
No. ø 4 mm shaft

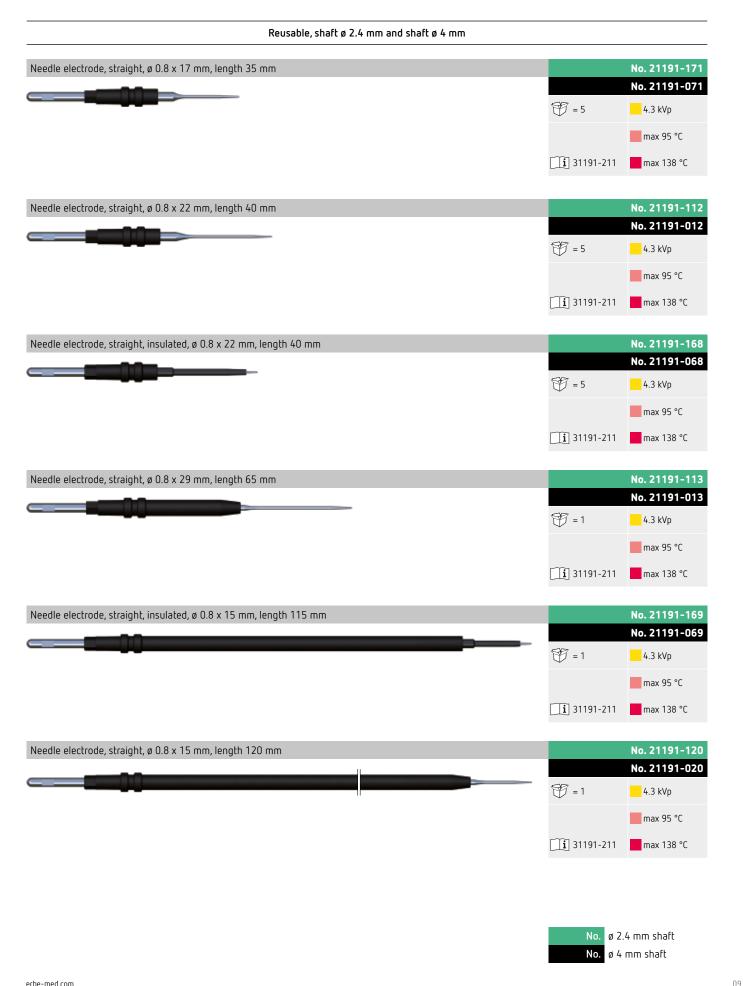
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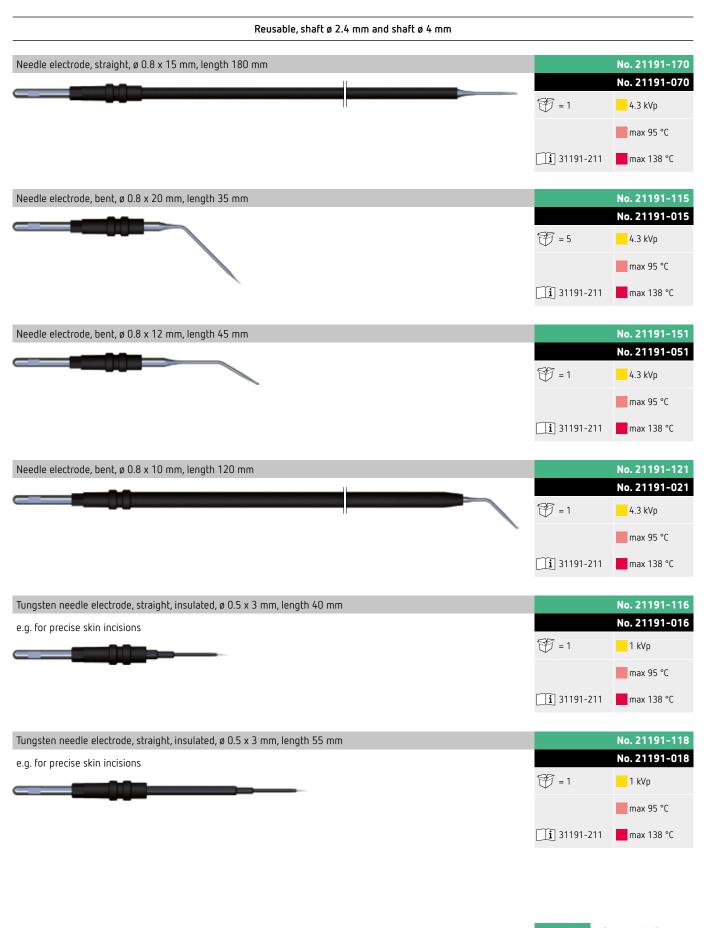


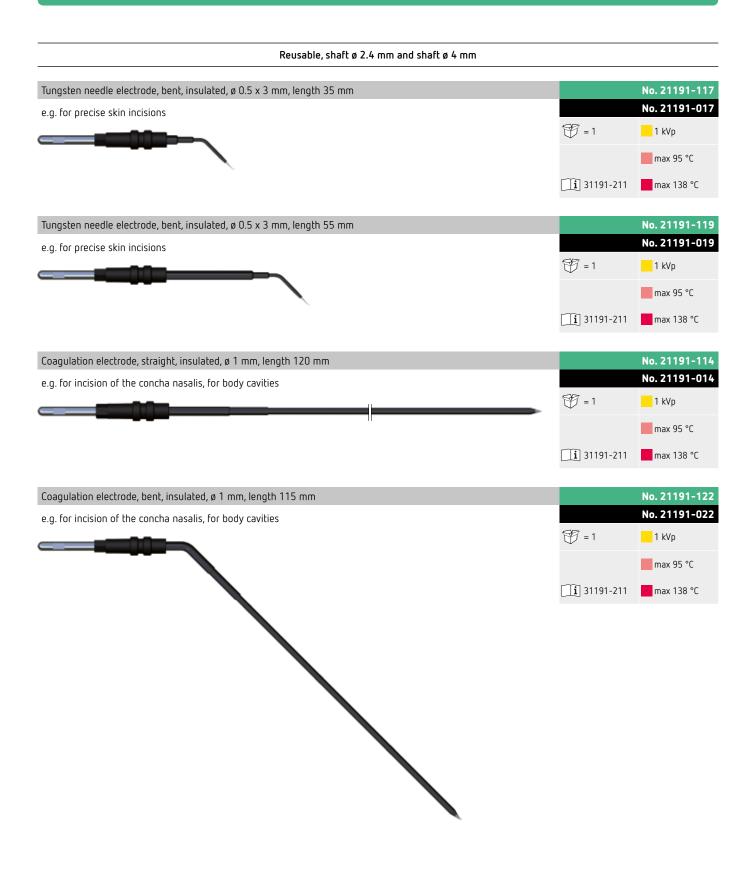


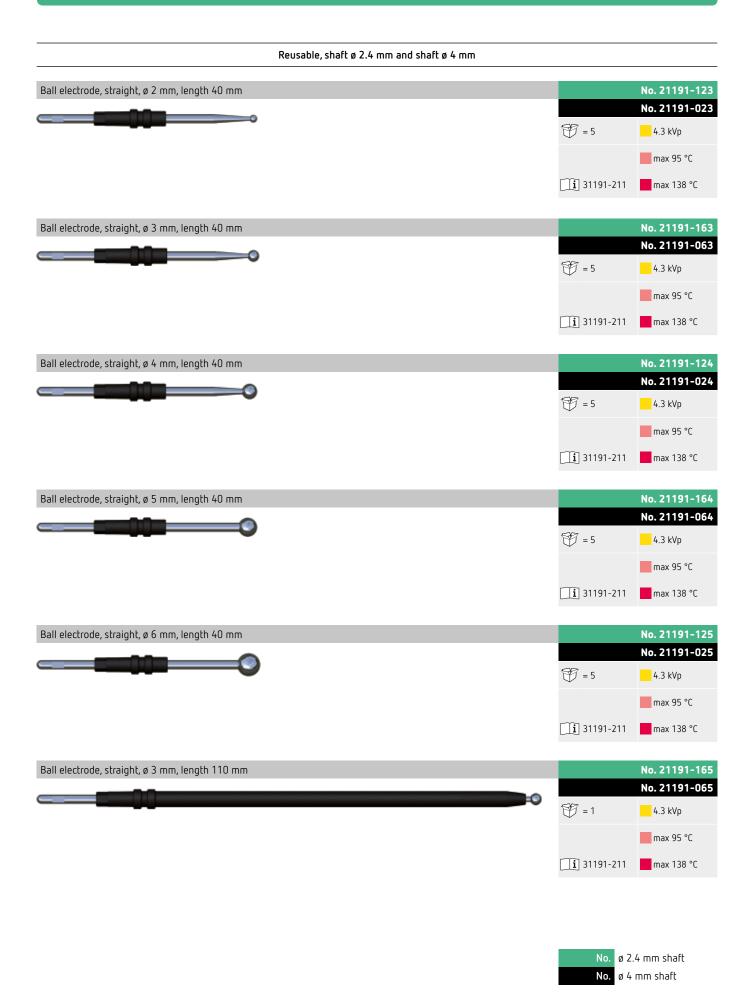
No. ø 2.4 mm shaft No. ø 4 mm shaft

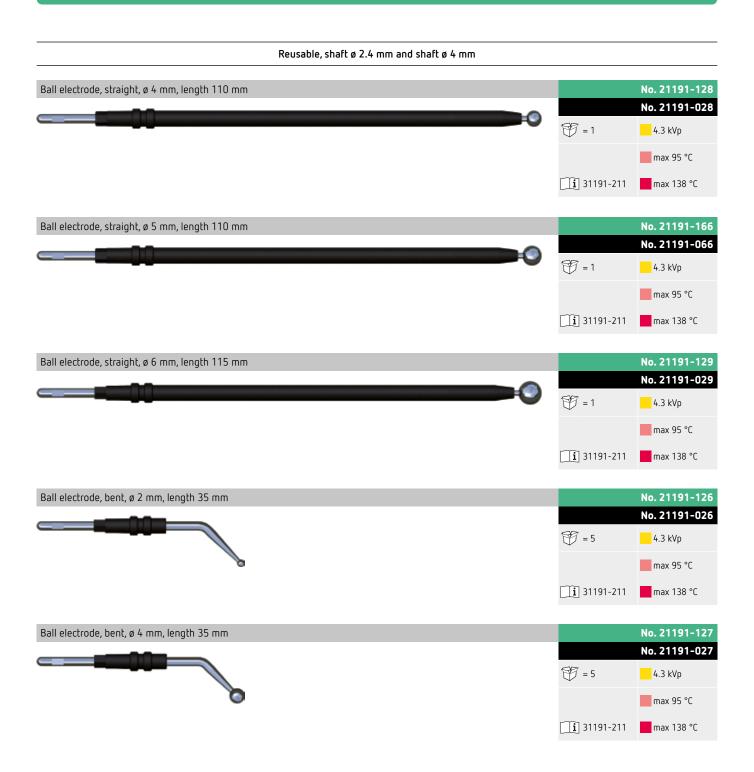






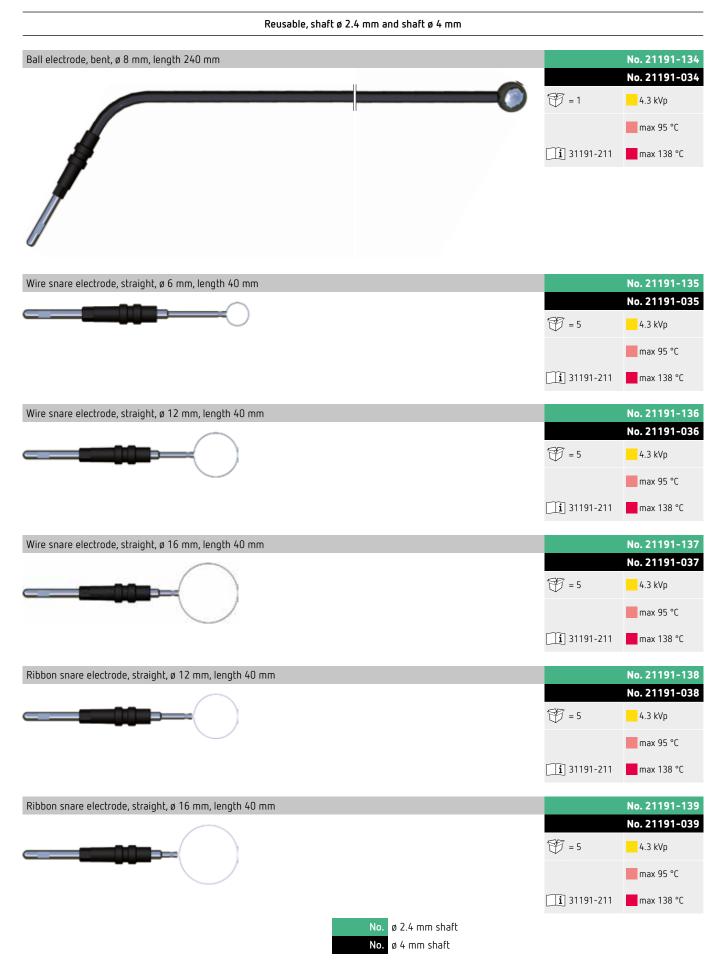






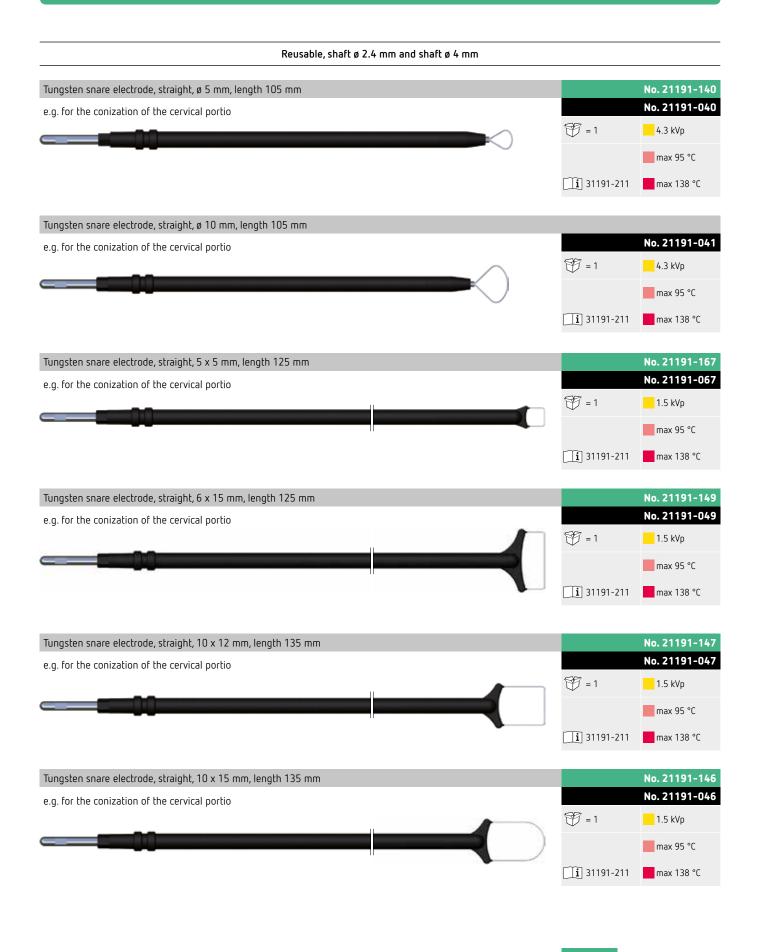
Reusable, shaft ø 2.4 mm and shaft ø 4 mm No. 21191-130 Ball electrode, bent, ø 2 mm, length 115 mm No. 21191-030 **= 1** 1 kVp max 95 °C **i** 31191-211 max 138 °C Ball electrode, bent, ø 4 mm, length 115 mm No. 21191-131 No. 21191-031 = 1 1 kVp max 95 °C **i** 31191-211 max 138 °C Ball electrode, bent, ø 8 mm, length 190 mm No. 21191-132 No. 21191-032 = 1 4.3 kVp max 95 °C **i** 31191-211 max 138 °C Ball electrode, bent, ø 10 mm, length 190 mm No. 21191-133 No. 21191-033 = 1 4.3 kVp max 95 °C **i** 31191-211 max 138 °C No. ø 2.4 mm shaft

No. ø 4 mm shaft

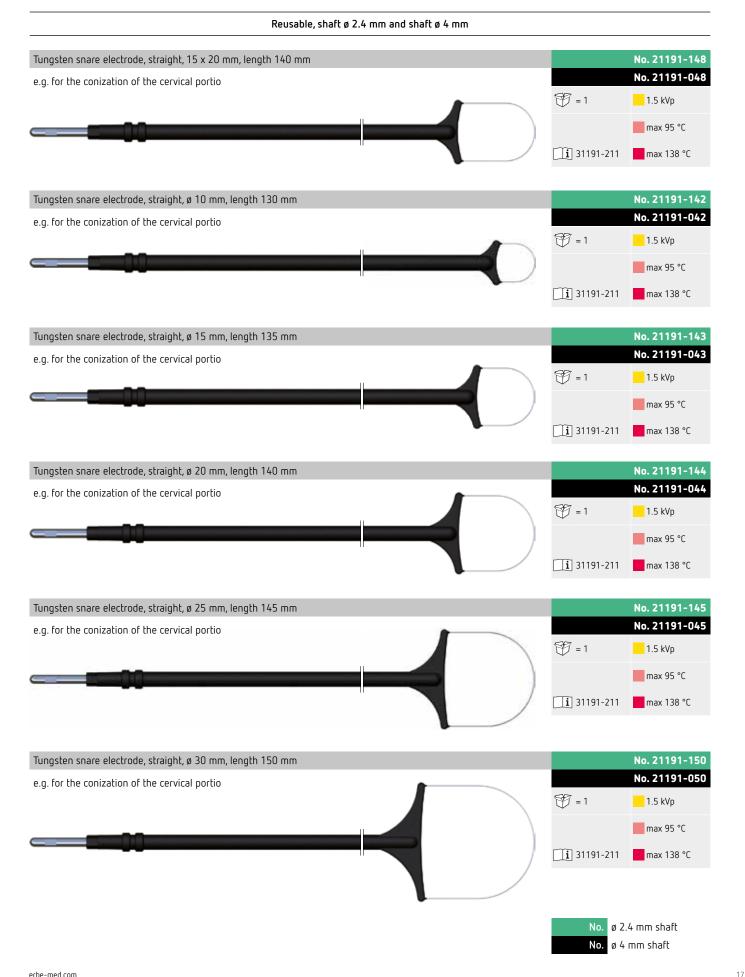


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No. ø 2.4 mm shaft No. ø 4 mm shaft

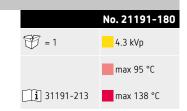


Reusable, shaft ø 2.4 mm

Small surgical set, ø 2.4 mm

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





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



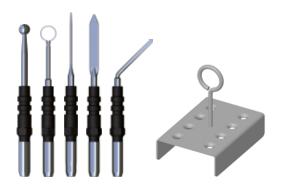


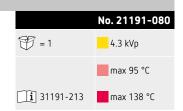
Consisting of	Diameter	Width	Length	No.
Ball electrode, straight	2 mm			21191-123
Ball electrode, straight	4 mm			21191-124
Ball electrode, straight	6 mm			21191-125
Ball electrode, bent	4 mm			21191-127
Ribbon snare electrode, straight	12 mm			21191-138
Ribbon snare electrode, straight	16 mm			21191-139
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





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)

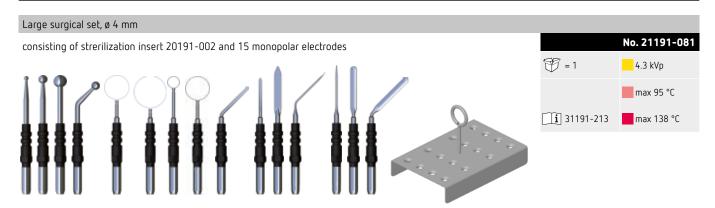
for shaft ø 4 mm



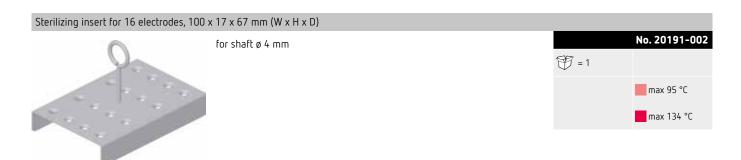
	No. 20191-004
= 1	
	max 95 °C
	max 134 °C

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Reusable, shaft ø 4 mm



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



Old/new table: reusable, shaft ø 4 mm

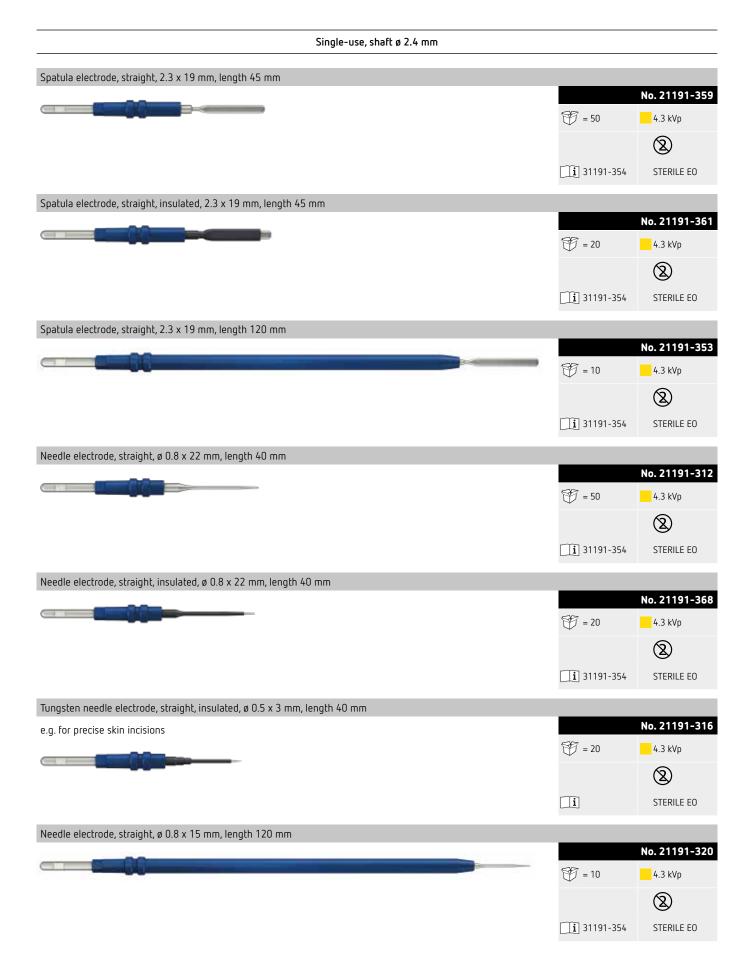
ø 4 mm shaft	Old	New
Tungsten snare electrode	20191-200	21191-041
Tungsten snare electrode	20191-201	21191-040
Ball electrode	20191-202	21191-029
Ball electrode	20191-203	21191-028
Knife electrode	20191-204	21191-010
Knife electrode	20191-205	21191-011
Needle electrode	20191-206	21191-020
Needle electrode	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

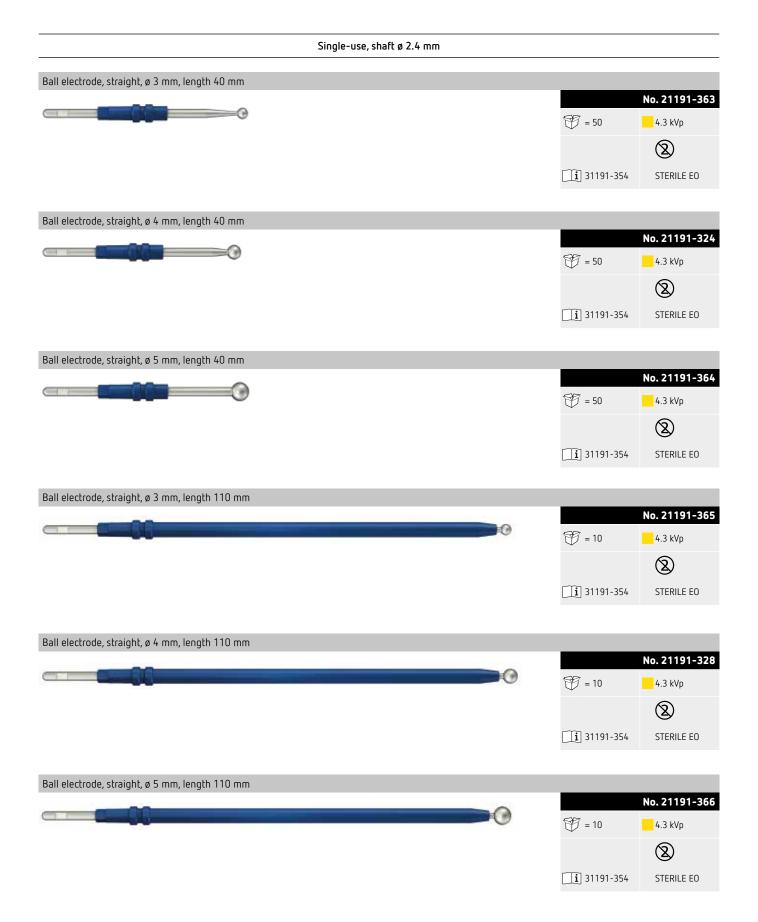
ø 4 mm shaft	Old	New
Ball electrode	20191-225	21191-026
Ball electrode	20191-226	21191-027
Needle electrode	20191-240	21191-013
Needle electrode	20191-251	21191-022
Tungsten snare electrode	20191-252	21191-042
Tungsten snare electrode	20191-253	21191-043
Tungsten snare electrode	20191-254	21191-044
Tungsten 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

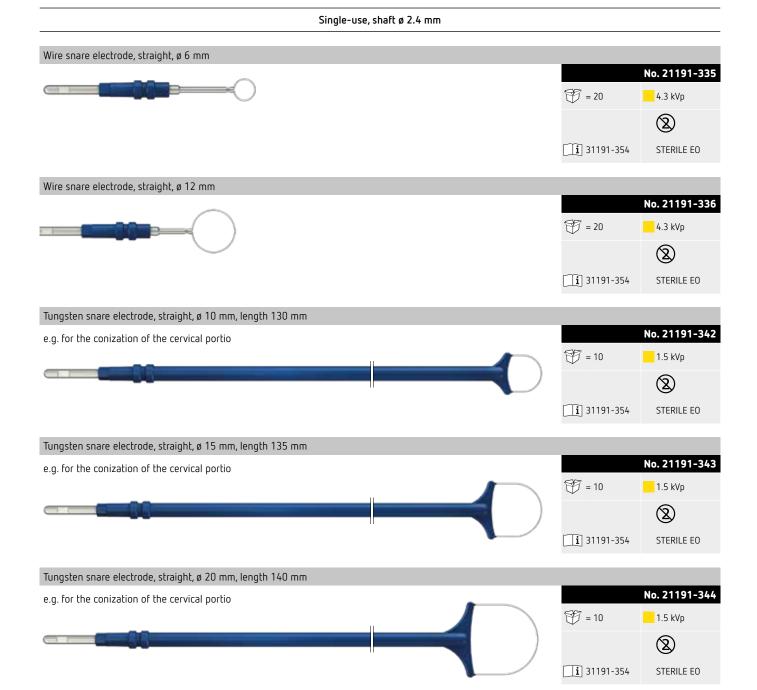
Old/new table: reusable, shaft ø 2.4 mm

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

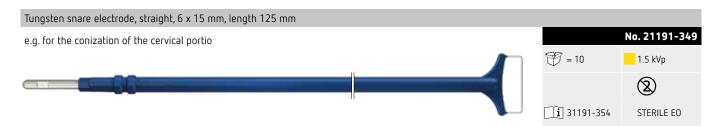
The design of the new $2.4~\mathrm{mm}$ and $4~\mathrm{mm}$ electrodes has been optimized. New order numbers apply. The old/new tables are effective immediately.

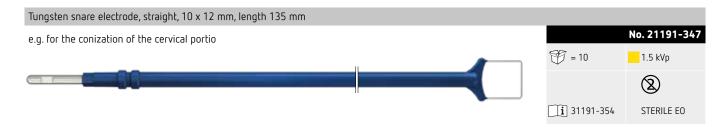






Single-use, shaft ø 2.4 mm





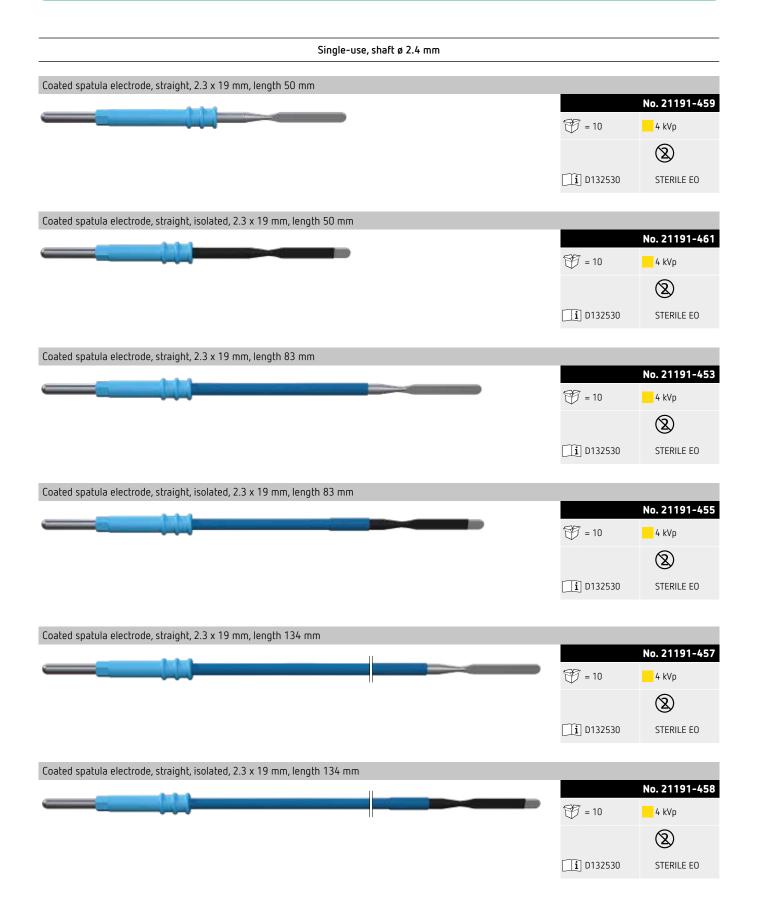
Old/new table: single-use, shaft ø 2.4 mm

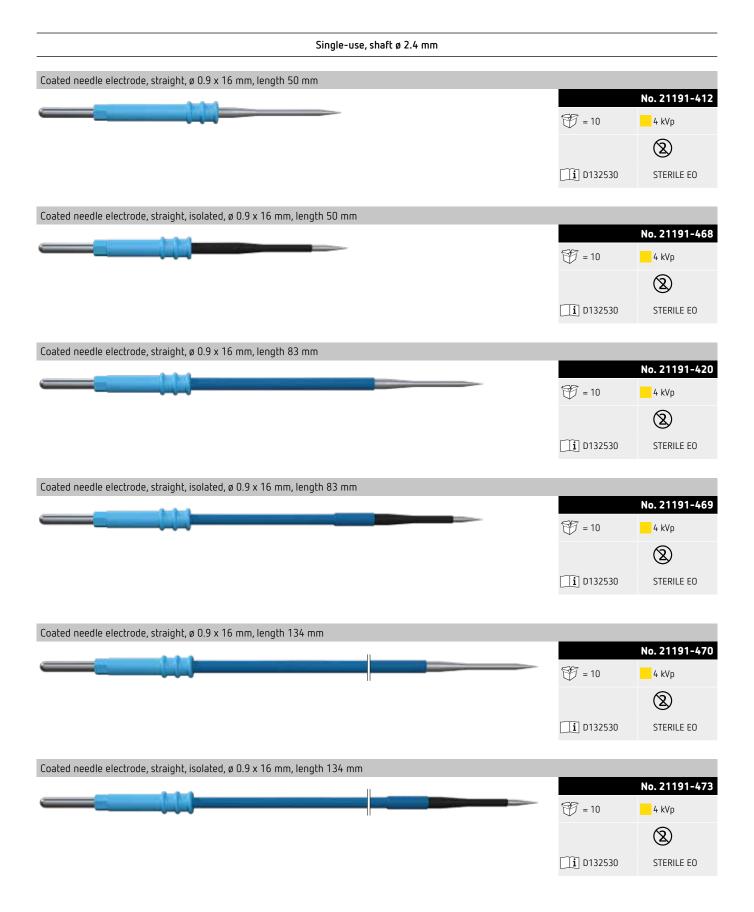
ø 2.4 mm shaft	Old	New
Needle electrode	20191-377	21191-312
Tungsten snare electrode	20191-385	21191-342
Tungsten snare electrode	20191-386	21191-343
Tungsten snare electrode	20191-387	21191-344
Tungsten snare electrode	20191-384	21191-347

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

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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.





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Single-use, shaft ø 2 mm, for arthroscopy

Needle electrode, needle angled 90°, needle length 2.5 mm, length 110 mm No. 20191-331 = 5 4 kVp 2 max 95 °C **i** 30191-838 max 134 °C Needle electrode, needle angled 90°, needle length 2.5 mm, length 170 mm No. 20191-332 = 5 4 kVp 2 max 95 °C **i** 30191-838 max 134 °C Knife electrode, knife cranked 45°, length 110 mm No. 20191-333 = 5 4 kVp 2 max 95 °C **i** 30191-838 max 134 °C Knife electrode, knife cranked 45°, length 170 mm No. 20191-334 = 5 4 kVp 2 max 95 °C **i** 30191-838 max 134 °C Coagulation electrode, tip angled 90°, length 110 mm No. 20191-335 = 5 4 kVp 2 max 95 °C **i** 30191-838 max 134 °C ø 1,5 mm Coagulation electrode, tip angled 90°, length 170 mm No. 20191-336 4 kVp max 95 °C **i** 30191-838 max 134 °C

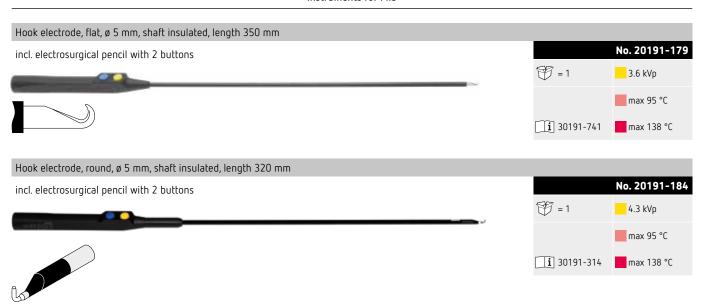


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Monopolar instruments

Instruments for MIS



Monopolar connecting cables	Connection	Length	Piece	No.
Monopolar connecting cable, VIO, ICC, ACC, Standard, for electrosurgical pencils 20190-045, 20190-082	Standard (MO 9/5 mm) Standard (MO 9/5 mm)	4 m 5 m	1	20192-127 20192-094
Monopolar connecting cable, Martin Standard, 4 m, for electrosurgical pencils 20190-045, 20190-082	Martin Standard	4 m	1	20192-099
3				
Monopolar connecting cable, VIO, ICC, ACC, International, 4 m, for electrosurgical pencils 20190-045, 20190-082	International	4 m	1	20192-110
and the same of th				

Monopolar instruments

Instruments for MIS



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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Important information

We have prepared this document with care. Nonetheless, we cannot completely rule out errors in this document.

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Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany Phone +49 7071 755-0 Fax +49 7071 755-179 info@erbe-med.com erbe-med.com





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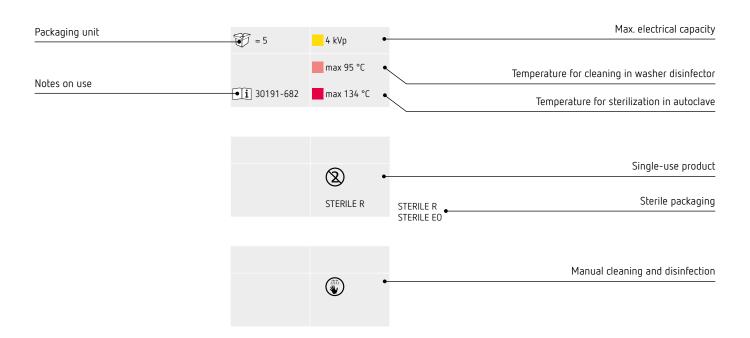
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Monopolar electrosurgical pencils

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- 07 Premium electrosurgical pencils (ø 2.4 mm)
- $08 \qquad \text{Premium electrosurgical pencils (\emptyset 4 mm)}$
- 10 ECO-LINE electrosurgical pencils (ø 2.4 mm)

- 11 Electrosurgical pencils for smoke evacuation
- 13 Electrosurgical pencils for arthroscopy (ø 2 mm)
- 13 Electrosurgical pencils for nerve test

Overview

PREMIUM reusable (blue or black pencil) ECO-LINE reusable (grey pencil) SINGLE USE single use (white pencil)

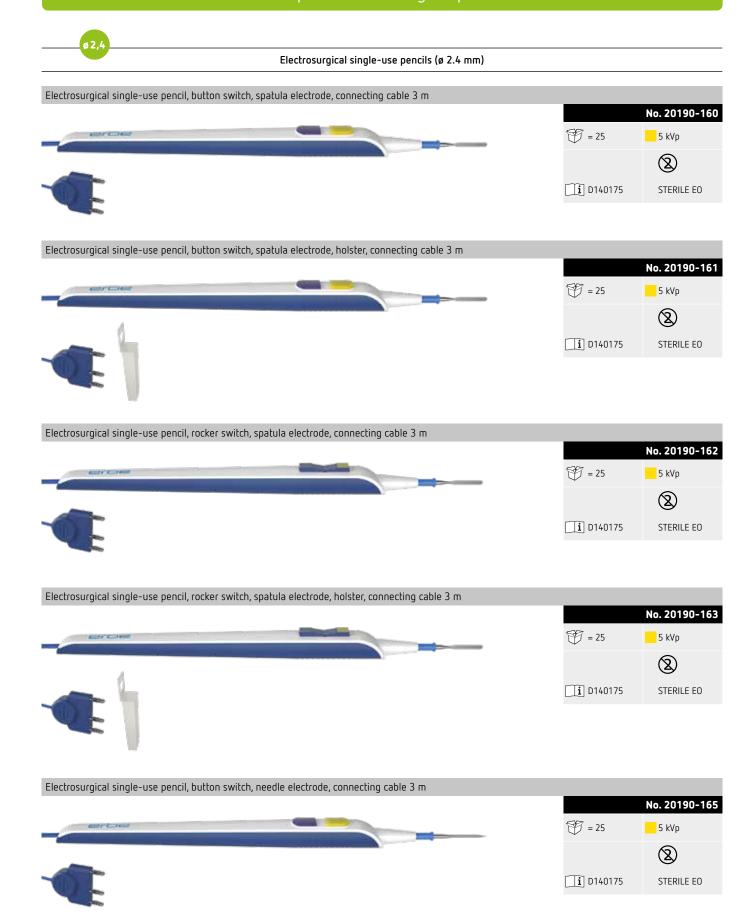
Connection

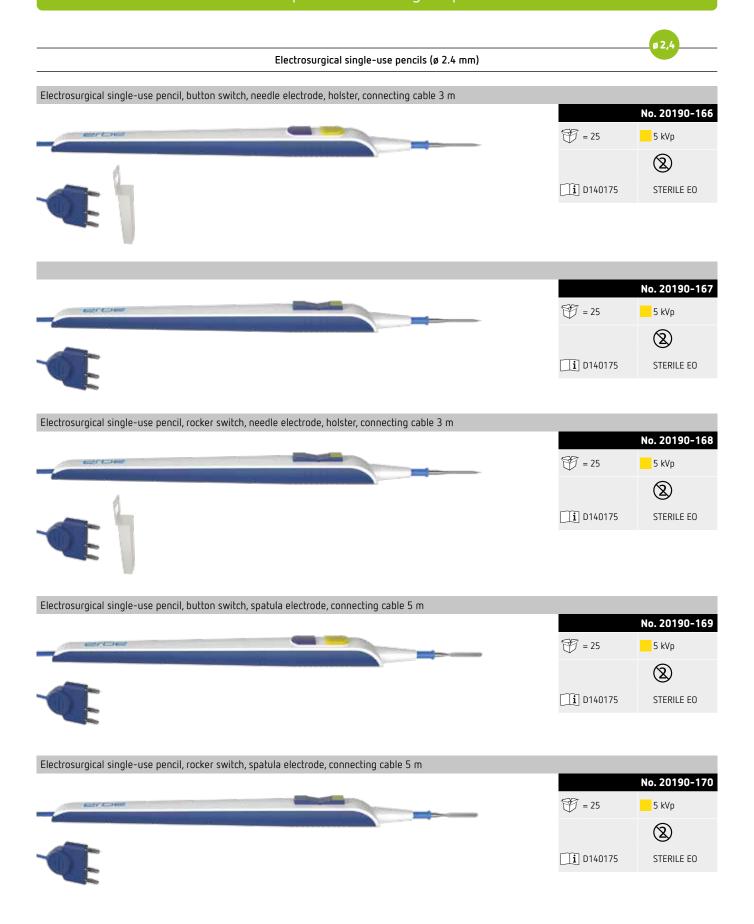
with integrated connecting cable

without connecting cable

03

Monopolar electrosurgical pencils

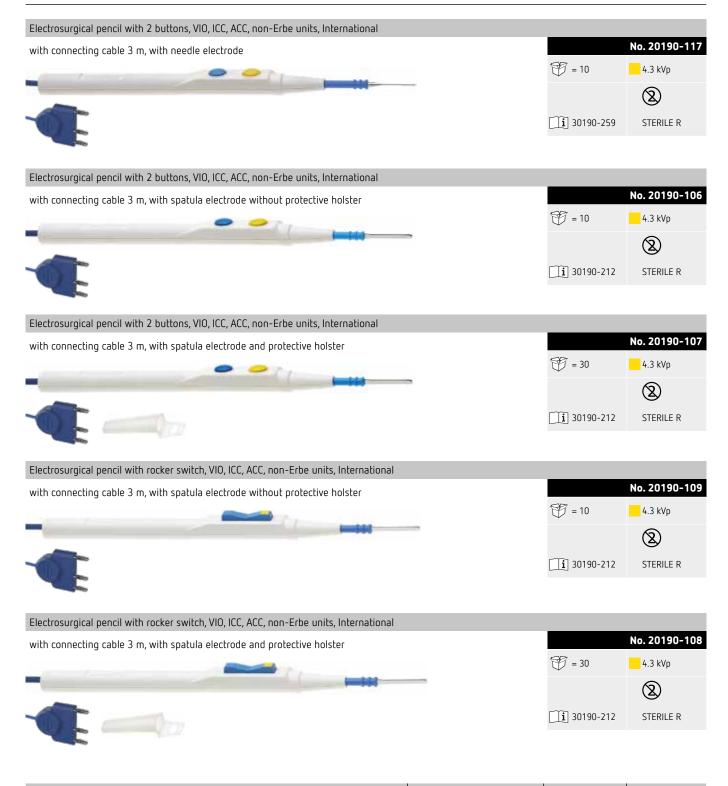




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Electrosurgical single-use pencils (ø 2.4 mm)



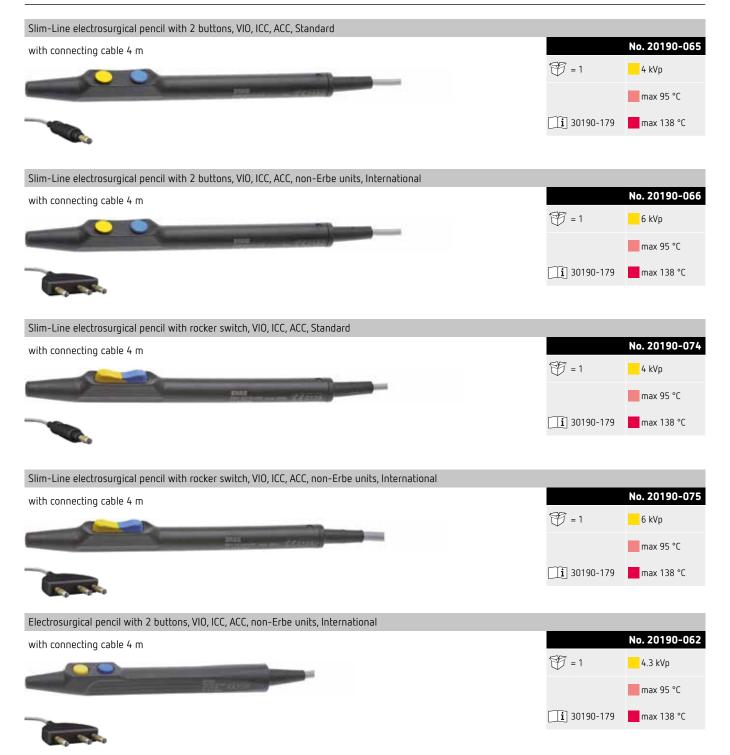
Monopolar adapters for electrosurgical pencils with conne	cting plug International	Connection	Piece	No.
Monopolar Adapter, VIO, ICC, ACC, Standard (MO 9/5 mm), for connecting plug international (3 Pin)	9 9 9	Standard (MO 9/5 mm)	1	20183-028
	1			

Premium electrosurgical pencils (ø 2.4 mm) Slim-Line electrosurgical pencil with 2 buttons, VIO, ICC, ACC, Standard No. 20190-105 with connecting cable 4 m **= 1** 4 kVp max 95 °C **i** 30190-179 max 138 °C Slim-Line electrosurgical pencil with 2 buttons, VIO, ICC, ACC, non-Erbe units, International No. 20190-067 with connecting cable 4 m **=** 1 6 kVp max 95 °C **i** 30190-179 max 138 °C Slim-Line electrosurgical pencil with rocker switch, VIO, ICC, ACC, Standard No. 20190-104 with connecting cable 4 m **= 1** 4 kVp max 95 °C **i** 30190-179 max 138 °C Slim-Line electrosurgical pencil with rocker switch, VIO, ICC, ACC, non-Erbe units, International No. 20190-076 with connecting cable 4 m **9** = 1 6 kVp max 95 °C **i** 30190-179 max 138 °C

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Premium electrosurgical pencils (ø 4 mm)





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Premium electrosurgical pencils (ø 4 mm)



Monopolar connecting cables	Connection	Length	Piece	No.
Monopolar connecting cable, VIO, ICC, ACC, Standard, for electro-	Standard (MO 9/5 mm)	4 m	1	20192-127
surgical pencil 20190-045, 20190-082	Standard (MO 9/5 mm)	5 m	1	20192-094
Monopolar connecting cable, Martin Standard, 4 m, for electrosurgical pencil 20190-045, 20190-082	Martin Standard	4 m	1	20192-099
3				
Monopolar connecting cable, VIO, ICC, ACC, International, 4 m, for electrosurgical pencil 20190-045, 20190-082	International	4 m	1	20192-110
The state of the s				

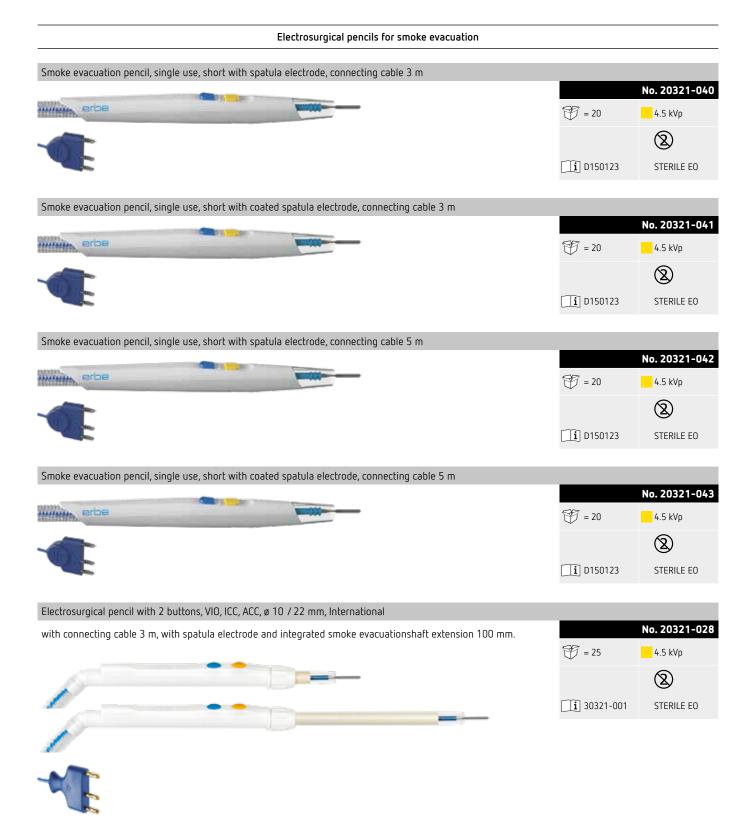




ECO-LINE electrosurgical pencils (ø 2.4 mm)



Monopolar adapters for electrosurgical pencils with connecting plug International	Connection	Piece	No.
Monopolar Adapter, VIO, ICC, ACC, Standard (MO 9/5 mm), for connecting plug international (3 Pin)	Standard (MO 9/5 mm)	1	20183-028



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Electrosurgical pencils for smoke evacuation Clip-on handle for smoke evacuation for 20190-065, -066, -067, -074, -075 No. 20321-044 To be used in combination with Erbe Slim-Line electrosurgical pencils (20190-065, 20190-066, 20190-067, 20190-074, 20190-075) = 20 2 erbe **1** D150128 STERILE EO Extension tip for Clip-on handle 20321-044 No. 20321-045 To be used in combination with 20321-044 = 25 (2) **1** □ 146678 STERILE EO Clip-on handle for Slim-Line electrosurgical pencils, tip short 12 mm No. 20321-007 with evacuation tubing 3 m and connection ø 22 mm, without electrosurgical pencil = 25 2 **i** 30321-000 STERILE EO Clip-on handle for Slim-Line electrosurgical pencils, tip long 100 mm No. 20321-020 with evacuation tubing 3 m and connection ø 22 mm, without electrosurgical pencil = 25

(2)

STERILE EO

i 30321-000



Electrosurgical pencils for arthroscopy (ø 2 mm)



Monopolar connecting cables	Connection	Length	Piece	No.
Monopolar connecting cable, VIO, ICC, ACC, Standard	Standard (MO 9/5 mm) Standard (MO 9/5 mm)	4 m 5 m	1	20192-127 20192-094
Monopolar connecting cable, VIO, ICC, ACC, International	International	4 m	1	20192-110



Electrosurgical pencils for nerve test Electrosurgical pencil for nerve test with 1 button, for silver ball electrode, NT 2, ICC 350 ZMK with connecting cable 4 m No. 20190-148 Fig. 1 0.25 kVp max 95 °C max 138 °C Silver ball electrode for nerve test, ø 1 mm, length 40 mm Shape / Forming Piece No.

straight

21191-052

13





Important information

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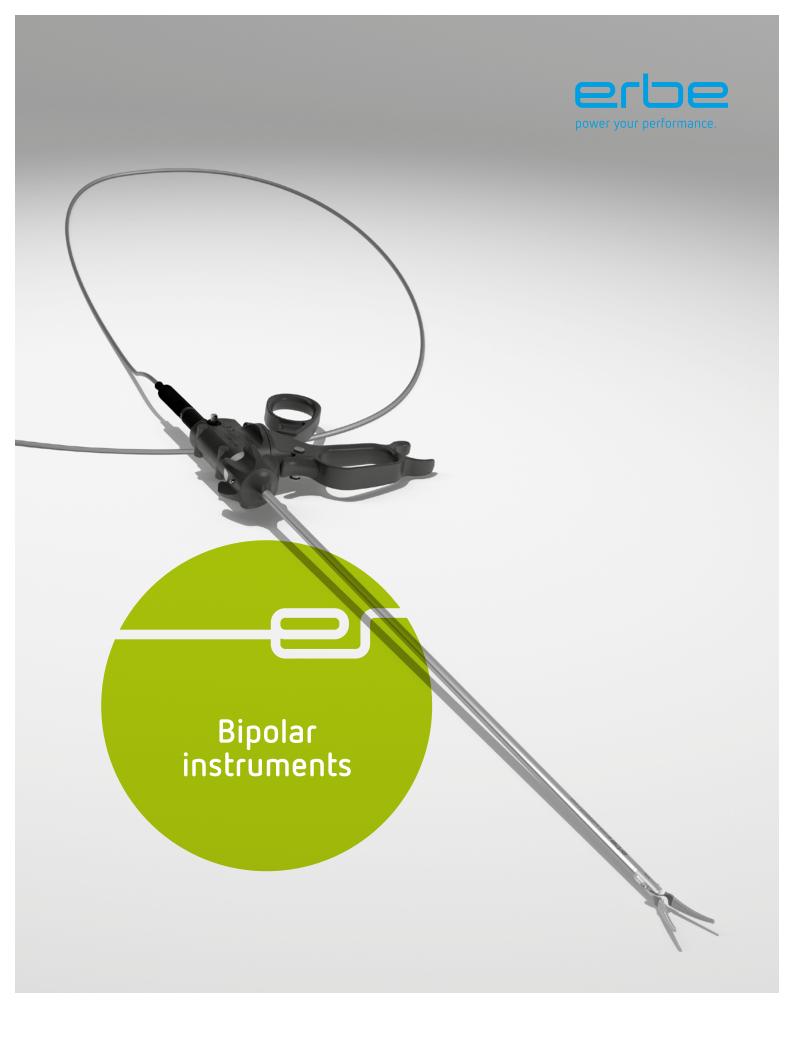
Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany

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Legend

Important notes

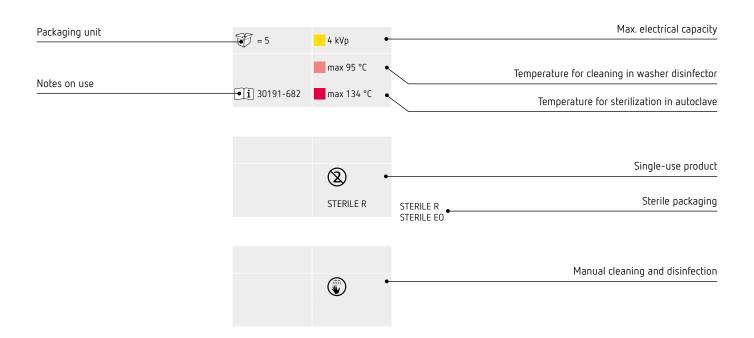
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Further product information



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

Contents

Electrosurgery

Bipolar Instruments

04 LAP forceps

06 LAP BiSect and bipolar LAP scissors

09 BiSect scissors

- 10 Contact and puncture electrodes for MIS
- 10 Contact electrodes

Overview

Field of application Type of instrument Cutting instruments Open surgery Coagulation instruments

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LAP forceps









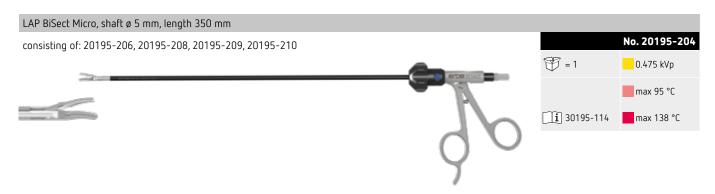
LAP forceps

Single components		Piece	No.
Insert for LAP forceps, Maryland and E LAP forceps, Maryland, deepribbed, ø 5 mm, length 340 mm (for 20195–132 and 20195–225)	TALE MANAGEMENT OF THE PARTY OF	1	20195-143
Insert for LAP forceps, fenestrated and E LAP forceps, fenestrated deepribbed, Ø 5 mm, length 340 mm (for 20195–133 and 20195–224)	and the same of th	1	20195-144
Shaft tube for bipolar LAP forceps and BiClamp LAP forceps, ø 5 mm, length 340 mm		1	20195-141
Shaft tube for bipolar E LAP forceps and BiClamp E LAP forceps, \emptyset 5 mm, length 340 mm		1	20195-241
Handle for LAP forceps, without connecting cable	00	1	20195-140
Handle for E LAP forceps, without connecting cable	g 6	1	20195-245

Accessories for treatment		Piece	No.
Cleaning brush, length 650 mm, for manual cleaning and disinfection	-	1	20191-279
Rinsing tube with Luer Lock connector, length 500 mm, for cleaning and disinfection by machine	- min	1	20195-201

Bipolar connecting cables	Connection	Length	Piece	No.
Bipolar connecting cable, VIO, ICC, ACC, T-Series, Standard	Standard Standard	4 m 5 m	1	20196-045 20196-057
Bipolar connecting cable, VIO, ICC, ACC, International (2-Pin 22 mm)	International International	4 m 5 m	1	20196-053 20196-061
Bipolar connecting cable, Martin Standard	Martin Standard Martin Standard	4 m 5 m	1	20196-047 20196-059
Bipolar connecting cable, Valleylab and non-Erbe units (2-Pin 28 mm)	Vallylab (2-Pin 28 mm)	4 m	1	20196-055

LAP BiSect and bipolar LAP scissors





Single components	Piece	No.
Insert for LAP BiSect Micro (20195-204), ø 5 mm, length 350 mm	1	20195-206
Insert for LAP BiSect Macro (20195-205), ø 5 mm, length 350 mm	1	20195-207
Shaft tube for LAP BiSect Micro and Macro, ø 5 mm, length 350 mm	 1	20195-208
Insulated tube for LAP BiSect Micro and Macro, ø 5 mm, length 350 mm	1	20195-209
Handle for LAP BiSect Micro and Macro	1	20195-210

LAP BiSect and bipolar LAP scissors





Single components		Piece	No.
Insert for bipolar LAP scissors Metzenbaum and bipolar E LAP scissors Metzenbaum, shaft ø 5 mm, length 340 mm (for 20195-226 and 20195-227)	in also princes.	1	20195-242
Shaft tube for bipolar LAP scissors, ø 5 mm, length 340 mm		1	20195-141
Shaft tube for bipolar E LAP scissors, ø 5 mm, length 340 mm		1	20195-241
Handle for LAP scissors, without connecting cable	00	1	20195-140
Handle for E LAP scissors, without connecting cable		1	20195-245

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LAP BiSect and bipolar LAP scissors

Bipolar connecting cables	Connection	Length	Piece	No.
Bipolar connecting cable, VIO, ICC, ACC, T-Series, Standard	Standard Standard	4 m 5 m	1	20196-045 20196-057
Bipolar connecting cable, VIO, ICC, ACC, International (2-Pin 22 mm)	International International	4 m 5 m	1	20196-053 20196-061
Bipolar connecting cable, Martin Standard	Martin Standard Martin Standard	4 m 5 m	1	20196-047 20196-059
Bipolar connecting cable, Valleylab and non-Erbe units (2-Pin 28 mm)	Vallylab (2-Pin 28 mm)	4 m	1	20196-055

Accessories for treatment		Piece	No.
Cleaning brush, length 650 mm, for manual cleaning and disinfection	-	1	20191-279
Rinsing tube with Luer Lock connector, length 500 mm, for cleaning and disinfection by machine	- min	1	20195-201

Bipolar scissors BiSect





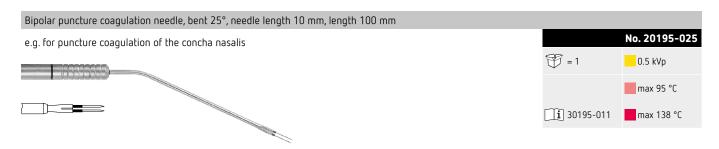


Protectors for BiSect			Piece	No.
for BiSect 180	R 3.3.3		1	20195-193
for BiSect 230			1	20195-194
for BiSect 280			1	20195-195

Bipolar connecting cables	Connection	Length	Piece	No.
Bipolar connecting cable, VIO, ICC, ACC, T-Series, Standard	Standard	4 m	1	20196-106
Bipolar connecting cable, VIO, ICC, ACC, International (2-Pin 22 mm)	International	4 m	1	20196-107

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Contact and puncture electrodes for MIS



Bipolar connecting cables	Connection	Length	Piece	No.
Bipolar connecting cable, VIO, ICC, ACC, T-Series, Standard	Standard Standard	4 m 5 m	1	20196-045 20196-057
Bipolar connecting cable, VIO, ICC, ACC, International (2-Pin 22 mm)	International International	4 m 5 m	1	20196-053 20196-061
Bipolar connecting cable, Martin Standard	Martin Standard Martin Standard	4 m 5 m	1	20196-047 20196-059
Bipolar connecting cable, Valleylab and non-Erbe units (2-Pin 28 mm)	Vallylab (2-Pin 28 mm)	4 m	1	20196-055

Contact electrodes



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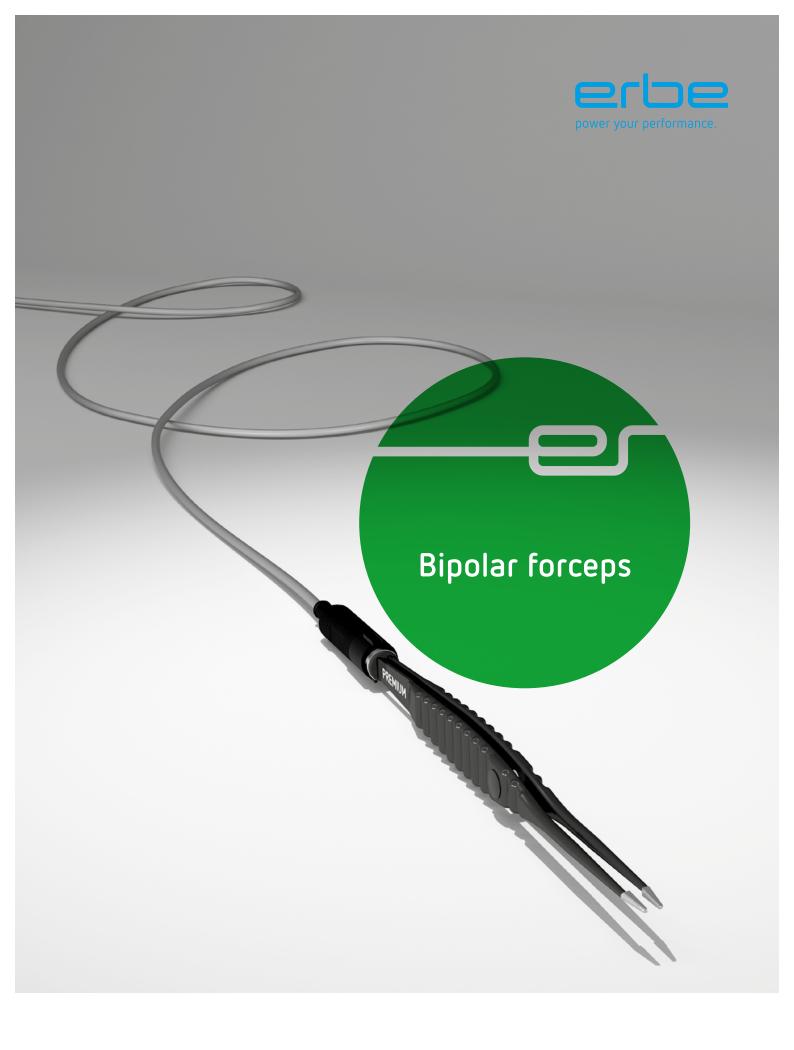
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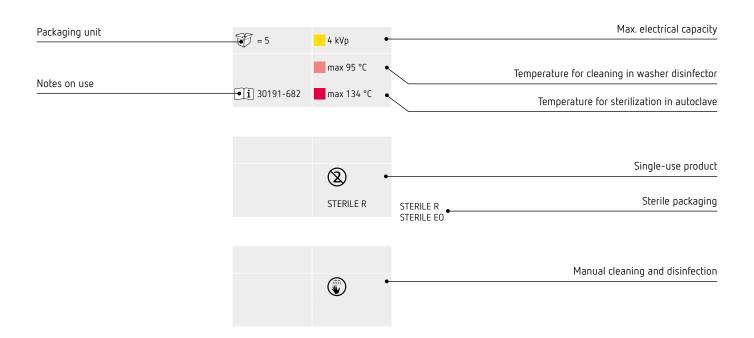
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Contents

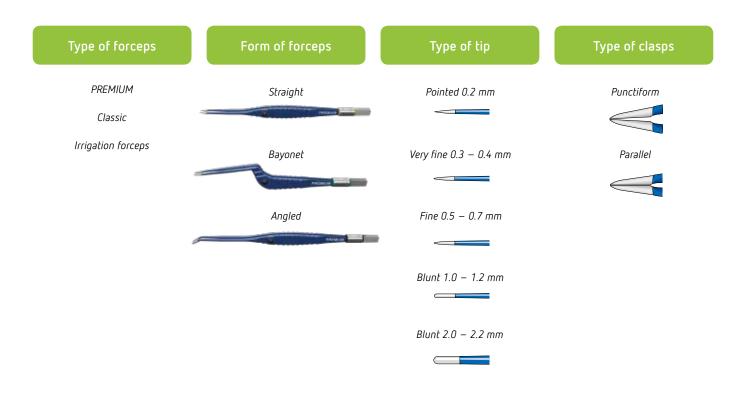
Electrosurgery

Bipolar forceps

Bipolar forceps PREMIUM, straight
 Bipolar forceps PREMIUM, bayonet
 Bipolar forceps Classic, straight

- 22 Bipolar forceps Classic, angled and bayonet
- 28 Bipolar forceps Classic, corrugated
- 31 Bipolar irrigation forceps

Overview



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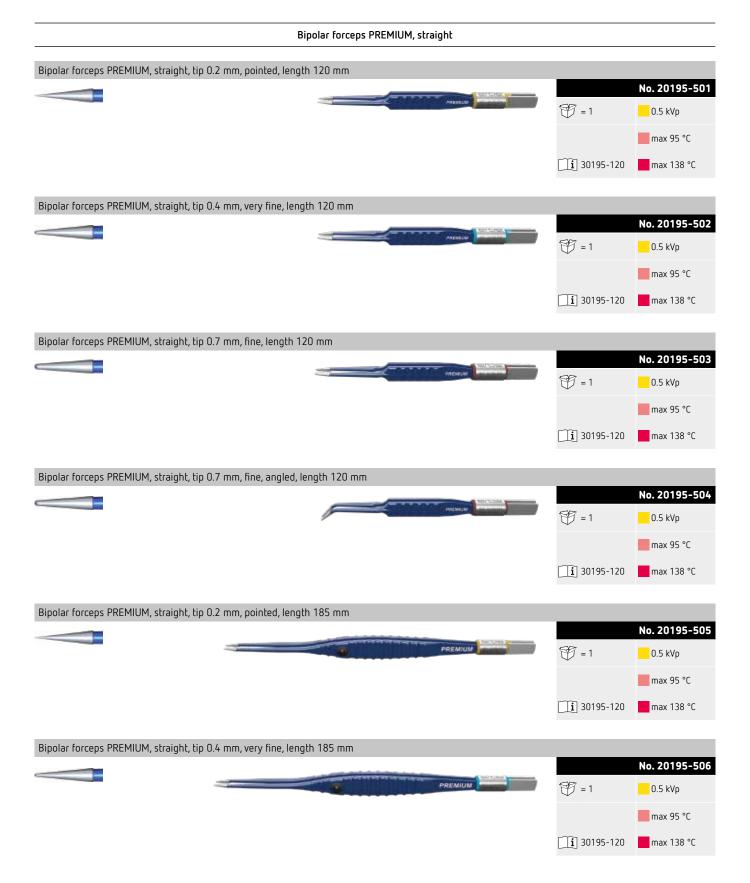
Bipolar forceps PREMIUM, straight



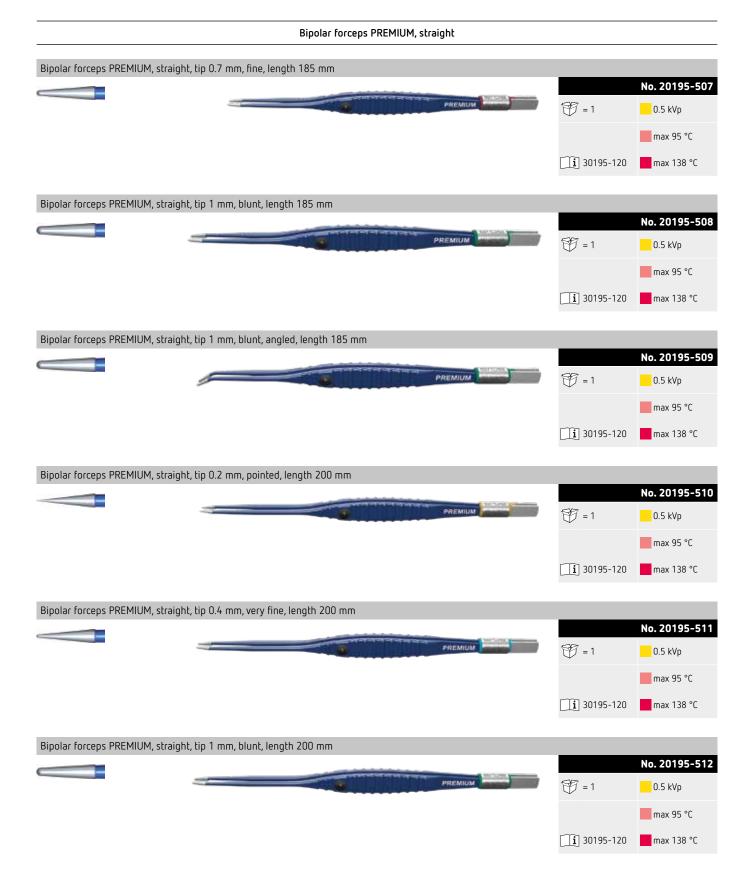
Form of tip	Length	Length of tip	Form of forceps	No.
Tip 0.2 mm, pointed	120 mm	8 mm	straight	20195-501
	185 mm	8 mm	straight	20195-505
	200 mm	8 mm	straight	20195-510
• Tip 0.3 – 0.4 mm, very fine	120 mm	8 mm	straight	20195-502
	185 mm	8 mm	straight	20195-506
	200 mm	8 mm	straight	20195-511
● Tip 0.5 — 0.7 mm, fine	120 mm	8 mm	straight	20195-503
	120 mm	8 mm	angled, 45°	20195-504
	185 mm	8 mm	straight	20195-507
● Tip 1 mm, blunt	185 mm	8 mm	straight	20195-508
	185 mm	8 mm	angled, 30°	20195-509
	200 mm	8 mm	straight	20195-512
	200 mm	8 mm	angled, 30°	20195-513
	260 mm	8 mm	angled, 30°	20195-516
● Tip 2 mm, blunt	200 mm	8 mm	angled, 30°	20195-514
	230 mm	8 mm	straight	20195-515
	260 mm	8 mm	angled, 30°	20195-517
	280 mm	8 mm	straight	20195-518

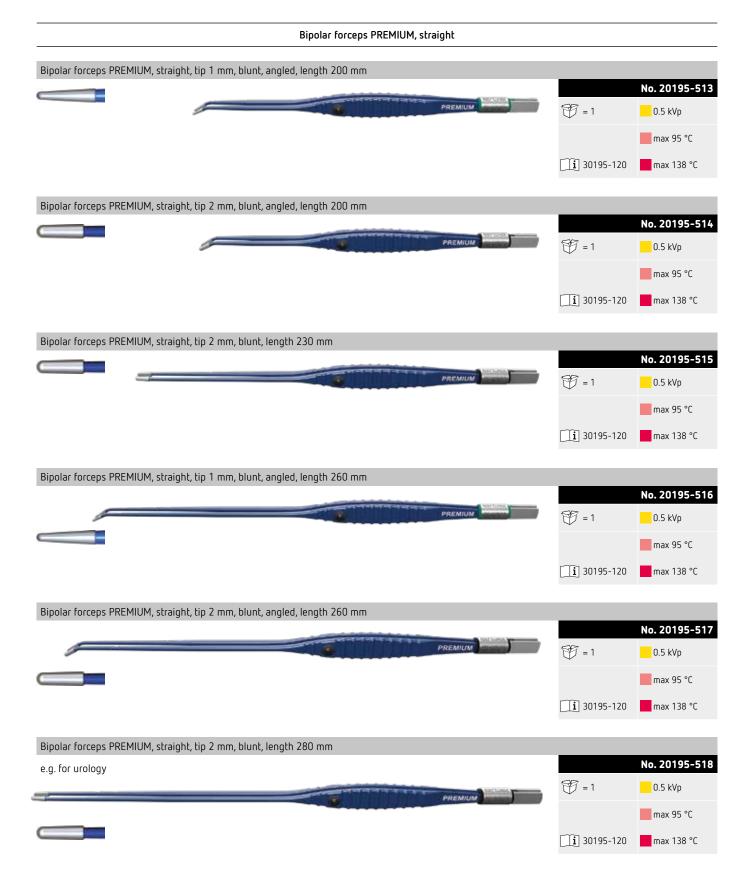
Bipolar connecting cables	Length	Piece	No.
Standard	4 m 5 m	1	20196-045 20196-057
MF plug	4 m	1	20196-124
International (2-Pin 22 mm)	4 m 5 m	1	20196-053 20196-061
Martin Standard	4 m 5 m	1	20196-047 20196-059
Valleylab (2-Pin 28 mm)	4 m	1	20196-055

100 %



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Bipolar forceps PREMIUM, bayonet



700 %

Form of tip	Length	Length of tip	Form of forceps	No.
Tip 0.2 mm, pointed	155 mm	8 mm	straight	20195-531
	170 mm	8 mm	straight	20195-534
	200 mm	8 mm	straight	20195-560
	230 mm	8 mm	straight	20195-543
	250 mm	8 mm	straight	20195-551
• Tip 0.3 – 0.4 mm, very fine	155 mm	8 mm	straight	20195-532
	200 mm	8 mm	straight	20195-536
	230 mm	8 mm	straight	20195-544
	250 mm	8 mm	straight	20195-552
• Tip 0.5 – 0.7 mm, fine	155 mm	8 mm	straight	20195-533
	170 mm	8 mm	straight	20195-557
	200 mm	8 mm	straight	20195-537
	230 mm	8 mm	straight	20195-545
	230 mm	8 mm	angled upwards, 135°	20195-548
	230 mm	8 mm	angled downwards, 135°	20195-550
	250 mm	8 mm	straight	20195-553
	250 mm	8 mm	angled upwards, 135°	20195-556
Tip 1 mm, blunt	170 mm	8 mm	straight	20195-535
	200 mm	8 mm	straight	20195-538
	230 mm	8 mm	straight	20195-546
	250 mm	8 mm	straight	20195-554
● Tip 1,2 mm, blunt	200 mm	8 mm	straight	20195-539
	200 mm	8 mm	angled downwards, 135°	20195-541
	200 mm	8 mm	angled upwards, 135°	20195-542
	230 mm	8 mm	straight	20195-547
	230 mm	8 mm	angled upwards, 135°	20195-549
	250 mm	8 mm	straight	20195-555
● Tip 2 mm, blunt	170 mm	8 mm	straight	20195-559
	200 mm	8 mm	straight	20195-540
	230 mm	8 mm	straight	20195-561
	250 mm	8 mm	straight	20195-558

Bipolar connecting cables	Length	Piece	No.
Standard	4 m 5 m	1	20196-045 20196-057
MF plug	4 m	1	20196-124
International (2-Pin 22 mm)	4 m 5 m	1	20196-053 20196-061
Martin Standard	4 m 5 m	1	20196-047 20196-059
Valleylab (2-Pin 28 mm)	4 m	1	20196-055

Bipolar forceps PREMIUM, bayonet Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 155 mm No. 20195-531 **= 1** 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 155 mm No. 20195-532 = 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 155 mm No. 20195-533 = 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 170 mm No. 20195-534 = 1 0.5 kVp max 95 °C **1** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 170 mm No. 20195-557 = 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 170 mm No. 20195-535 = 1 0.5 kVp max 95 °C

i 30195-120

max 138 °C

Bipolar forceps PREMIUM, bayonet

Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 200 mm No. 20195-560 **= 1** 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 200 mm No. 20195-536 **=** 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 200 mm No. 20195-537 **= 1** 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 200 mm No. 20195-538 **= 1** 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 200 mm No. 20195-539 = 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 2 mm, blunt, length 200 mm No. 20195-540 **7** = 1 0.5 kVp max 95 °C

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i 30195-120

max 138 °C

Bipolar forceps PREMIUM, bayonet



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Bipolar forceps PREMIUM, bayonet



Bipolar forceps PREMIUM, bayonet Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 250 mm No. 20195-552 **= 1** 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 250 mm No. 20195-553 = 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 250 mm No. 20195-554 **1** = 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 250 mm No. 20195-555 = 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 250 mm No. 20195-556 angled upwards **3** = 1 0.5 kVp max 95 °C **i** 30195-120 max 138 °C Bipolar forceps PREMIUM, bayonet, tip 2 mm, blunt, length 250 mm No. 20195-558 = 1 0.5 kVp max 95 °C

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i 30195-120

max 138 °C

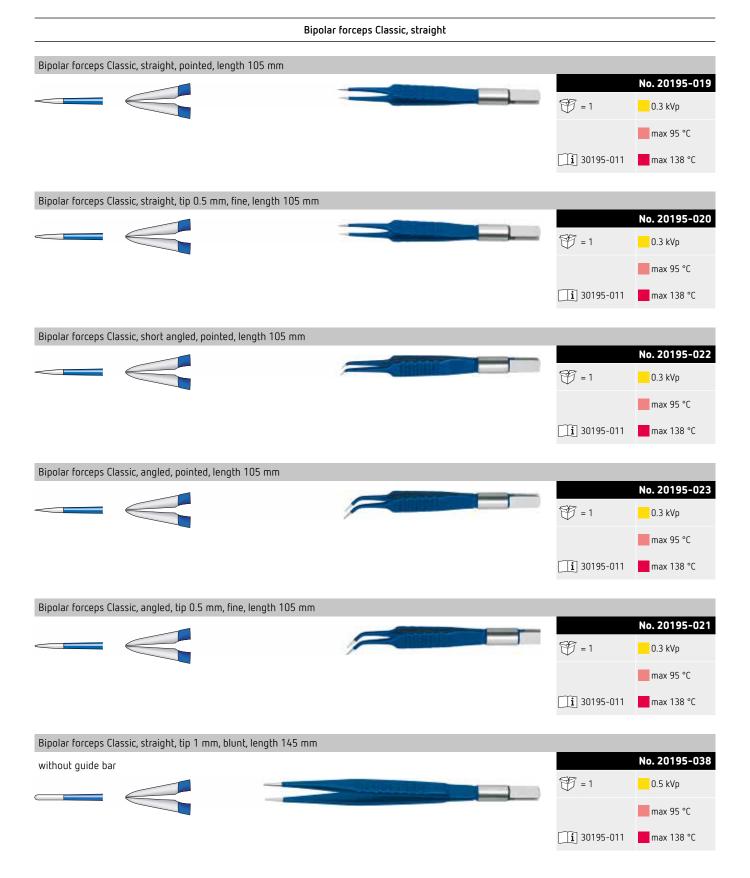
Bipolar forceps Classic, straight



	Form of tip	Length	Length of tip	Form of forceps	Type of clasps	No.
	Tip 0.2 mm, pointed	105 mm	6 mm	straight	punctiform	20195-019
?	-	105 mm	5 mm	short angled, 45°	punctiform	20195-022
3		105 mm	6 mm	angled, 45°	punctiform	20195-023
		165 mm	6 mm	straight	punctiform	20195-011
		165 mm	6 mm	angled, 30°	punctiform	20195-013
_		190 mm	6 mm	straight	punctiform	20195-037
	Tip $0.3 - 0.4$ mm, very fine	165 mm	6 mm	angled, 30°	punctiform	20195-036
-	Tip 0.5 – 0.7 mm, fine	105 mm	6 mm	straight	punctiform	20195-020
		105 mm	6 mm	angled, 45°	punctiform	20195-021
		150 mm	8 mm	straight	punctiform	20195-005
		165 mm	5 mm	short angled, 45°	punctiform	20195-066
		190 mm	5 mm	short angled, 45°	punctiform	20195-065
		225 mm	5 mm	angled, 45°	punctiform	20195-064
	Tip 1 mm, blunt	145 mm	10 mm	straight	punctiform	20195-038
		165 mm	6 mm	straight	punctiform	20195-010
		165 mm	10 mm	straight	punctiform	20195-039
		165 mm	6 mm	angled, 30°	punctiform	20195-014
		165 mm	6 mm	angled, 30°	punctiform	20195-493
		190 mm	10 mm	straight	punctiform	20195-040
		190 mm	8 mm	straight	parallel	20195-000
		190 mm	8 mm	angled, 30°	parallel	20195-001
		190 mm	6 mm	angled, 30°	parallel	20195-490
_		225 mm	10 mm	straight	punctiform	20195-041
	Tip 2 mm, blunt	145 mm	10 mm	straight	punctiform	20195-027
		165 mm	10 mm	straight	punctiform	20195-028
		190 mm	10 mm	straight	punctiform	20195-029
		190 mm	6 mm	angled, 30°	punctiform	20195-007
		190 mm	6 mm	angled, 30°	punctiform	20195-492
		225 mm	10 mm	straight	punctiform	20195-030
		260 mm	10 mm	straight	punctiform	20195-110
_		300 mm	10 mm	straight	punctiform	20195-109

Bipolar connecting cables	Length	Piece	No.
Standard	4 m 5 m	1	20196-045 20196-057
MF plug	4 m	1	20196-124
International (2-Pin 22 mm)	4 m 5 m	1	20196-053 20196-061
Martin Standard	4 m 5 m	1	20196-047 20196-059
Valleylab (2-Pin 28 mm)	4 m	1	20196-055

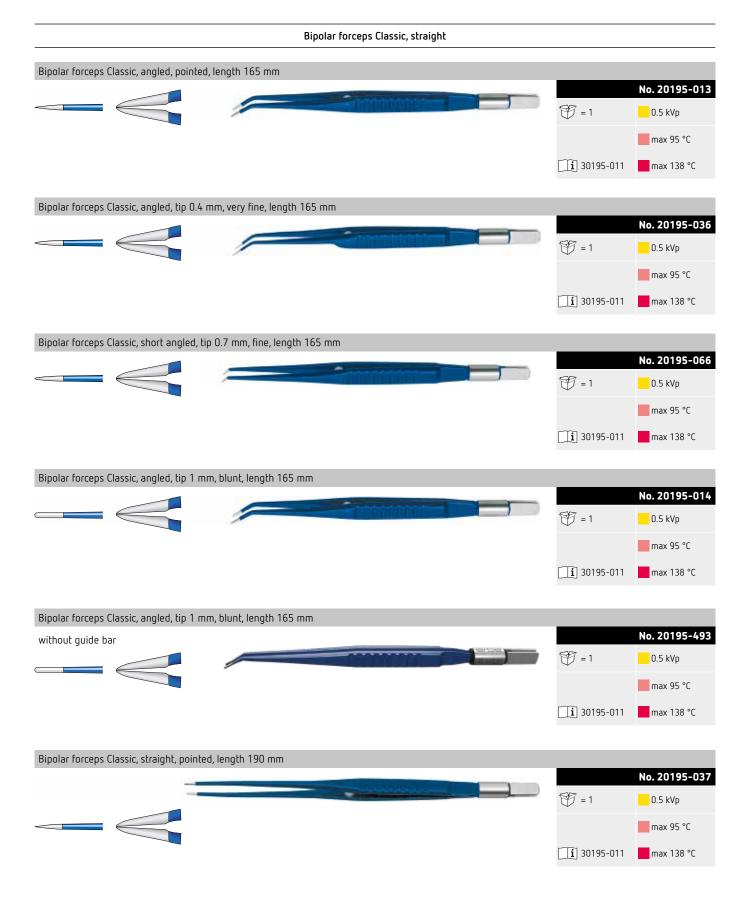
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Bipolar forceps Classic, straight

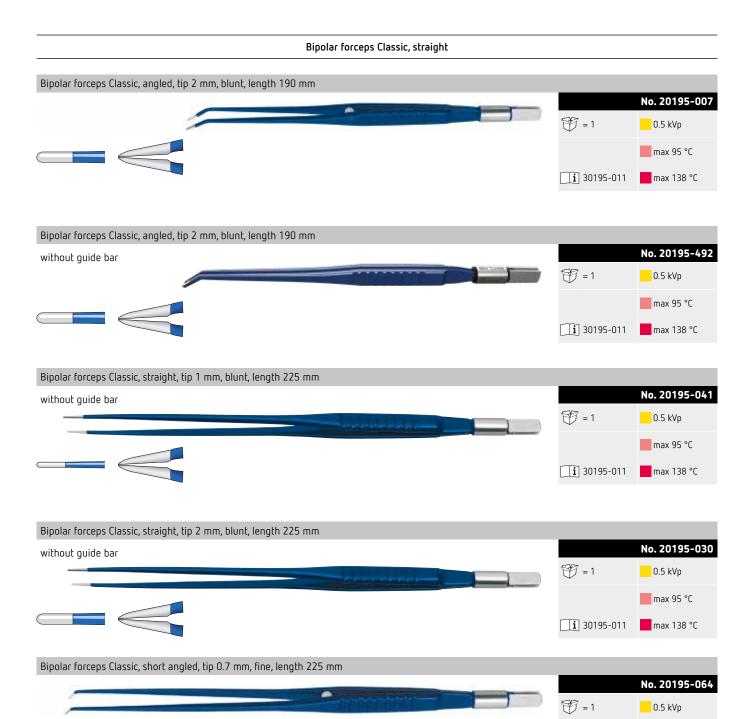
Bipolar forceps Classic, straight, tip 2 mm, blunt, length 145 mm No. 20195-027 without guide bar = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, straight, tip 0.7 mm, fine, length 150 mm No. 20195-005 without guide bar **=** 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, straight, pointed, length 165 mm No. 20195-011 **= 1** 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, straight, tip 1 mm, blunt, length 165 mm No. 20195-010 = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, straight, tip 1 mm, blunt, length 165 mm No. 20195-039 without guide bar **3** = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, straight, tip 2 mm, blunt, length 165 mm No. 20195-028 without guide bar **= 1** 0.5 kVp max 95 °C **i** 30195-011 max 138 °C



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Bipolar forceps Classic, straight

Bipolar forceps Classic, straight, tip 1 mm, blunt, length 190 mm No. 20195-040 without guide bar **= 1** 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, straight, tip 1 mm, blunt, length 190 mm No. 20195-000 = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, straight, tip 2 mm, blunt, length 190 mm No. 20195-029 without guide bar **#** = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, short angled, tip 0.7 mm, fine, length 190 mm No. 20195-065 = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, angled, tip 1 mm, blunt, length 190 mm No. 20195-001 **7** = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, angled, tip 1 mm, blunt, length 190 mm No. 20195-490 without guide bar = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C



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max 95 °C

max 138 °C

19

i 30195-011

Bipolar forceps Classic, straight







Bipolar forceps Classic, angled and bayonet



Form of tip	Length	Length of tip	Form of forceps	Type of clasps	No.
Tip 0.2 mm, pointed	165 mm	6 mm	angled, 160°	punctiform	20195-016
	165 mm	6 mm	bayonet	punctiform	20195-017
	190 mm	6 mm	bayonet	punctiform	20195-008
Tip 0.4 mm, very fine	165 mm	6 mm	angled, 160°	punctiform	20195-015
	165 mm	6 mm	bayonet	punctiform	20195-033
	230 mm	6 mm	bayonet	punctiform	20195-044
	250 mm	6 mm	bayonet	punctiform	20195-042
Tip 0.7 mm, fine	105 mm	6 mm	angled, 170°	punctiform	20195-035
	190 mm	5 mm	bayonet short-angled down., 45°	punctiform	20195-164
	190 mm	5 mm	bayonet short-angled up., 45°	punctiform	20195-006
	230 mm	6 mm	bayonet	punctiform	20195-045
	250 mm	6 mm	bayonet	punctiform	20195-043
Tip 1 mm, blunt	165 mm	6 mm	bayonet	punctiform	20195-018
	165 mm	6 mm	bayonet	punctiform	20195-494
	190 mm	8 mm	bayonet	parallel	20195-002
	190 mm	6 mm	bayonet	punctiform	20195-491
Tip 1,2 mm, blunt	190 mm 190 mm 230 mm 230 mm 230 mm 250 mm 250 mm 250 mm	5 mm 5 mm 6 mm 5 mm 5 mm 5 mm 5 mm 6 mm	bayonet short-angled down., 45° bayonet short-angled up., 45° bayonet short-angled up., 45° bayonet short-angled down., 45° bayonet short-angled down., 45° bayonet short-angled up., 45° bayonet	punctiform punctiform punctiform punctiform punctiform punctiform punctiform punctiform punctiform	20195-009 20195-026 20195-031 20195-063 20195-167 20195-168 20195-169 20195-032
Tip 2 mm, blunt	190 mm	6 mm	bayonet	punctiform	20195-034
	190 mm	6 mm	bayonet	punctiform	20195-495

Bipolar connecting cables	Length	Piece	No.
Standard	4 m 5 m	1	20196-045 20196-057
MF plug	4 m	1	20196-124
International (2-Pin 22 mm)	4 m 5 m	1	20196-053 20196-061
Martin Standard	4 m 5 m	1	20196-047 20196-059
Valleylab (2-Pin 28 mm)	4 m	1	20196-055

Bipolar forceps Classic, angled and bayonet

Bipolar forceps Classic, bent, tip 0.5 mm, fine, length 105 mm No. 20195-035 **= 1** 0.3 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bent, pointed, length 165 mm No. 20195-016 = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bent, tip 0.4 mm, very fine, length 165 mm No. 20195-015 **9** = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bayonet, pointed, length 165 mm No. 20195-017 **= 1** 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bayonet, tip 0.4 mm, very fine, length 165 mm No. 20195-033 = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bayonet, tip 1 mm, blunt, length 165 mm No. 20195-018 = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C

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Bipolar forceps Classic, angled and bayonet

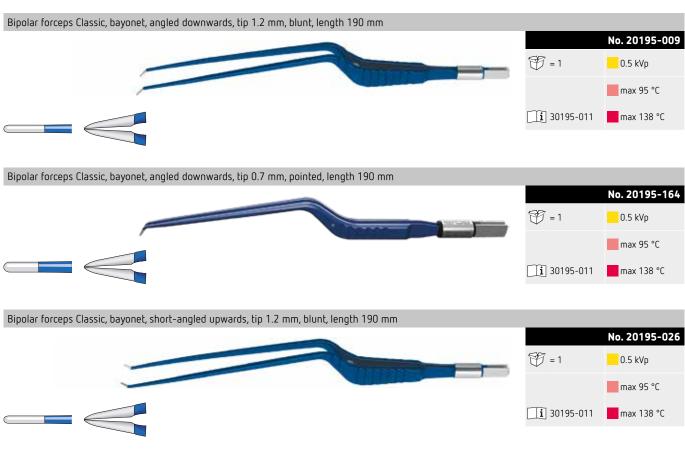
Bipolar forceps Classic, bayonet, tip 1 mm, blunt, length 165 mm No. 20195-494 without guide bar **= 1** 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bayonet, pointed, length 190 mm No. 20195-008 **3** = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bayonet, tip 1 mm, blunt, length 190 mm No. 20195-002 **9** = 1 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bayonet, tip 1 mm, blunt, length 190 mm No. 20195-491 without guide bar **= 1** 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bayonet, tip 2 mm, blunt, length 190 mm No. 20195-034 **= 1** 0.5 kVp max 95 °C **i** 30195-011 max 138 °C Bipolar forceps Classic, bayonet, tip 2 mm, blunt, length 190 mm No. 20195-495 without guide bar = 1 0.5 kVp max 95 °C

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i 30195-011

max 138 °C

Bipolar forceps Classic, angled and bayonet

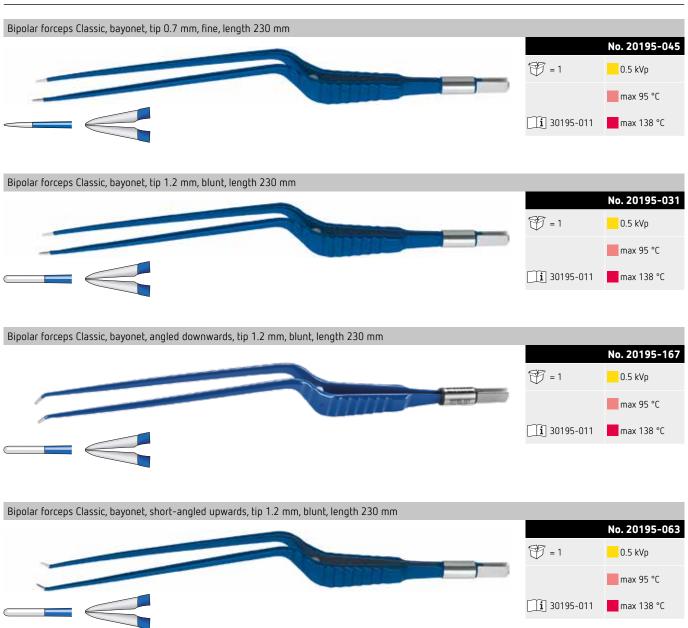






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Bipolar forceps Classic, angled and bayonet





Bipolar forceps Classic, angled and bayonet



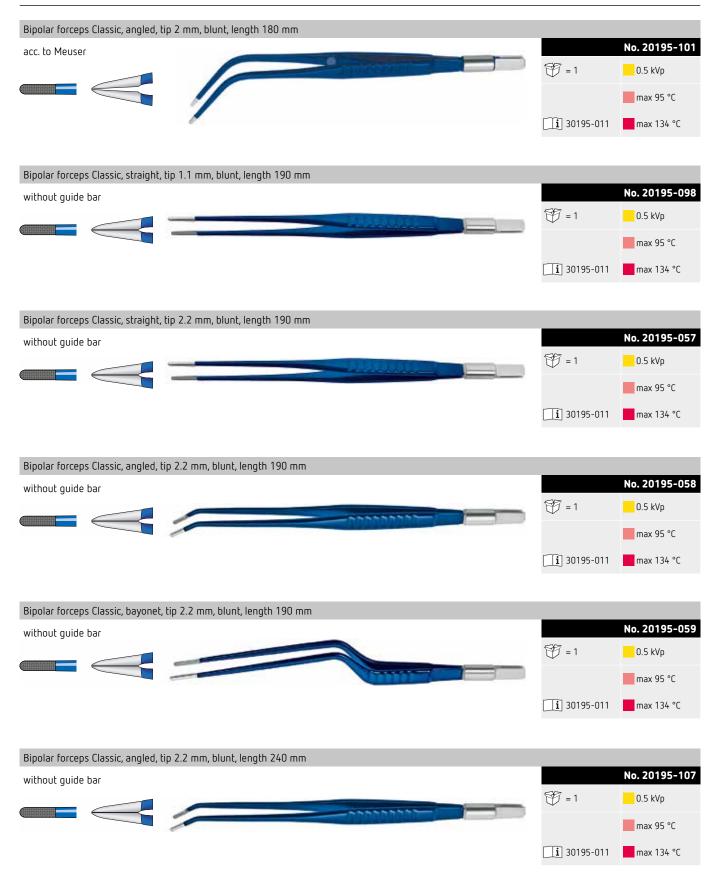






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Bipolar forceps Classic, corrugated

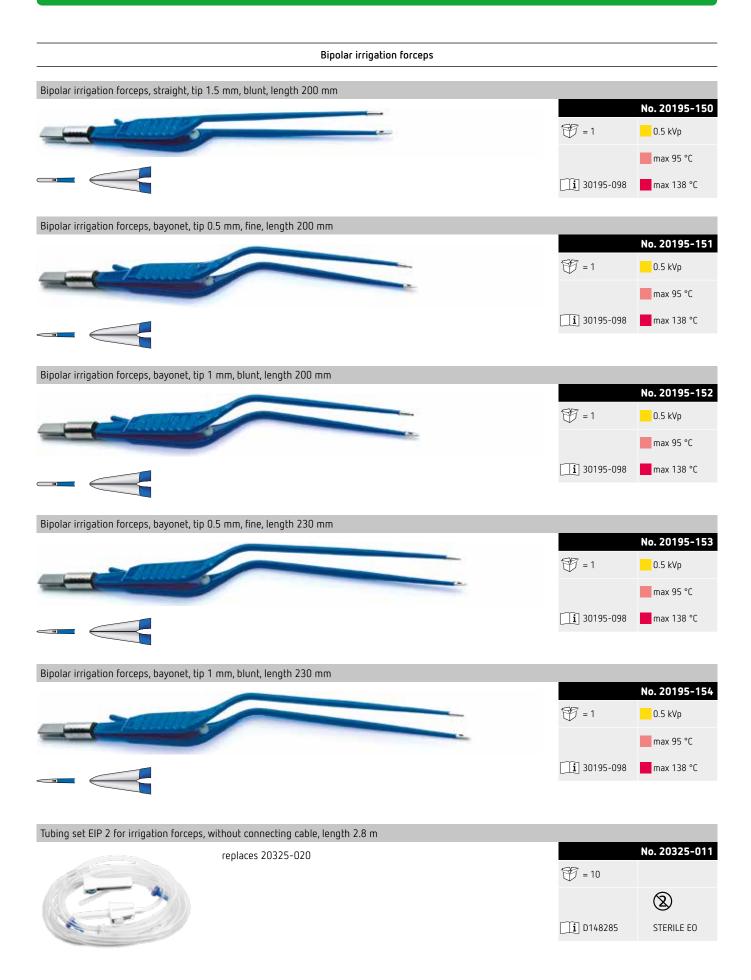


Bipolar forceps Classic, corrugated



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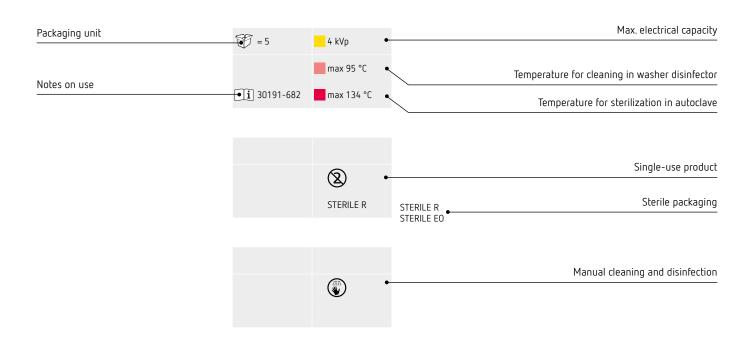
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Further product information



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

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Electrosurgery

Return electrodes

04 Single-use with contact stud

06 Single use with connecting cable

07 Reusable silicone plates

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Single-use with contact stud

Erbe Nessy Ω , split, VIO, ICC, ACC, contact surface 85 cm²

equipotential ring 23 cm², without connecting cable





Erbe NESSY Plate 170, split, VIO, ICC, ACC, contact surface 168 cm²



without connecting cable

	No. 20193-070
= 50	
	2
i 30193-080	

Erbe NESSY Plate 70, split, VIO, ICC, ACC, contact surface 72 cm²



without connecting cable, for children from 5 to 15 kg

	No. 20193-071
= 50	
	2
i 30193-080	

Erbe MONOPlate 140, single, VIO, ICC, ACC, T-Series, contact surface 136 cm²



without connecting cable

	No. 20193-072
= 50	
	2
i 30193-080	

Single-use with contact stud

Erbe MONOPlate 40, single, VIO, ICC, ACC, T-Series, contact surface 40 cm²

without connecting cable, for children < 5kg



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Connecting cables for return electrodes	Length	Piece	No.
Return electrode cable, VIO, ICC, ACC, T-Series, Standard, for return electrodes with contact stud	4 m 5 m	1	20194-077 20194-078
and the same of th			
Return electrode cable, VIO, ICC, ACC, non-Erbe units, International,	4 m	1	20194-080
for return electrodes with split contact surface and contact stud	5 m		20194-087
Return electrode cable, VIO, ICC, ACC, non-Erbe units, International,	4 m	1	20194-079
for return electrodes with single contact surface and contact stud	5 m	1	20194-086

Single use with connecting cable

Erbe NESSY Ω , split, VIO, ICC, ACC, non-Erbe units, International



contact surface 85 $\text{cm}^2\text{,}$ equiptential ring 23 $\text{cm}^2\text{,}$ with connecting cable 4 m

	No. 20193-083
= 50	
	2
i 30193-082	

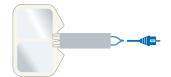
Erbe NESSY Plate 170, split, VIO, ICC, ACC, non-Erbe units, International



contact surface 168 cm^2 , with connecting cable 3 m

	No. 20193-074
= 50	
	2
i 30193-080	

Erbe NESSY Plate 70, split, VIO, ICC, ACC, non-Erbe units, International



contact surface 72 $\mbox{cm}^2,$ with connecting cable 3 m, for children from 5 to 15 kg

	No. 20193-075
= 50	
	2
i 30193-080	

Erbe MONOPlate 140, single, VIO, ICC, ACC, non-Erbe units, International



contact surface 136 cm², with connecting cable 3 m

	No. 20193-076
= 50	
	2
i 30193-080	

Adapters for return electrodes	Piece	No.
Return electrode adapter, VIO, ICC, ACC, T-Series, Standard (NE 6 mm) for return electrode cable International (NE 2-Pin)	1	20183-014

Reusable silicone plates

Return electrode of conductive silicone, single, 295 x 175 mm, contact surface 500 cm²



with connecting cable 40 cm, ECG connection ø 4 mm, with connecting cable 40 cm with 2 rubber fastening straps, length 125 cm (contain latex), additional connecting cable necessary

	No. 20193-008
= 1	
i 30193-079	

Return electrode of conductive silicone, single, 170 x 111 mm, contact surface 187 cm²



with connecting cable 40 cm, ECG connection \emptyset 4 mm, with connecting cabel 40 cm with one rubber fastening strap, length 55 cm (contain latex), additional connecting cable necessary

	No. 20193-016
= 1	
i 30193-079	

Rubber strap, perforated, with 2 fastening studs, 550 x 60 mm



contains latex

	No. 20592-009
= 1	

Rubber strap, perforated, with 2 fastening studs, 1250 x 60 mm



contains latex

	No. 20592-011
= 1	

Fastening stud for rubber strap 20592-009, 20592-011



	No. 40592-003
= 1	

07

Connecting cables for return electrodes	Length	Piece	No.
Return electrode cable, VIO, ICC, ACC, T-Series, Standard, for silicone plates	4 m 5 m	1	20194-070 20194-088
Return electrode cable, VIO, ICC, ACC, International, for silicone plates	4 m	1	20194-075

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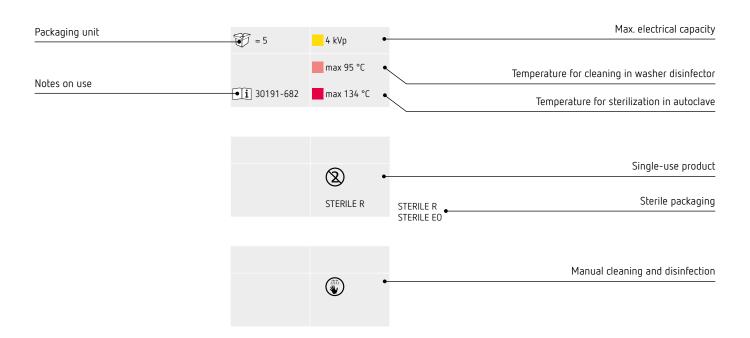
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Further product information



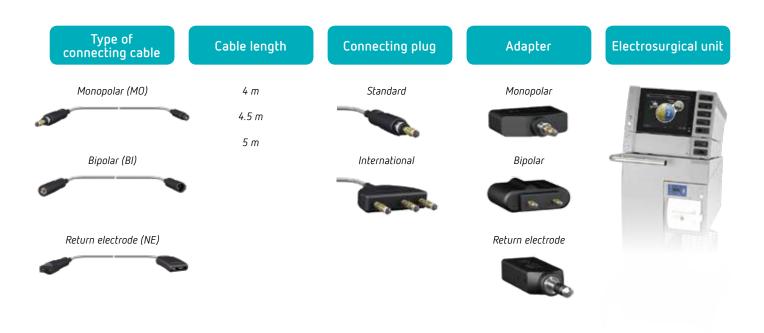
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08	Bipolar connecting cables	16 Bipolar adapters
13	Connecting cables for return electrodes	18 Ignition test adapters
		Return electrode adapters
		18 Adapters for special purpose
		19 Foot switch adapters
		19 Irrigation adapters

Overview

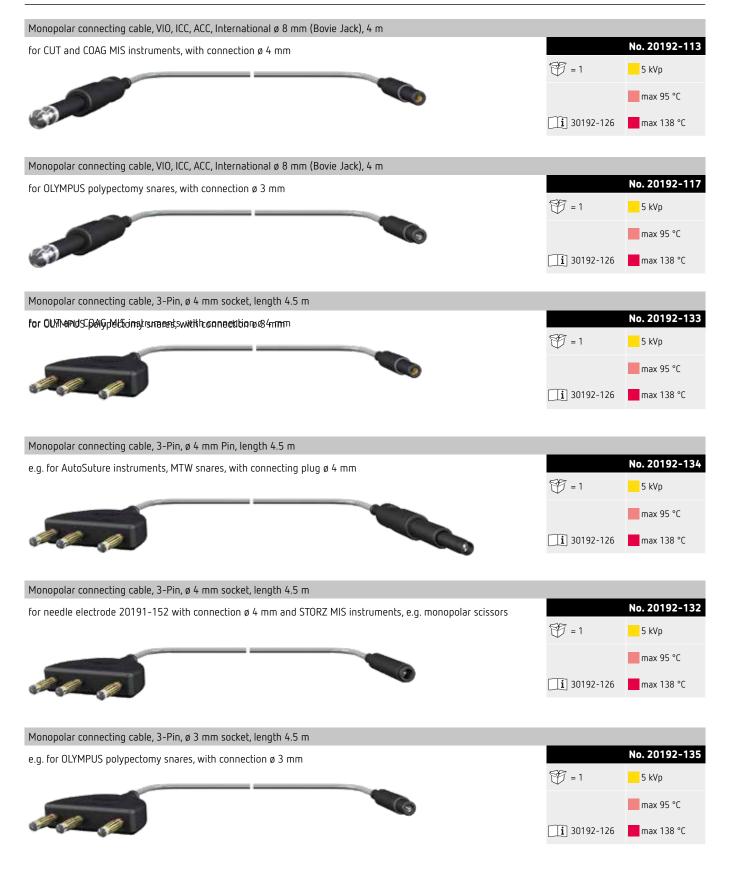


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Monopolar connecting cables



Monopolar connecting cables



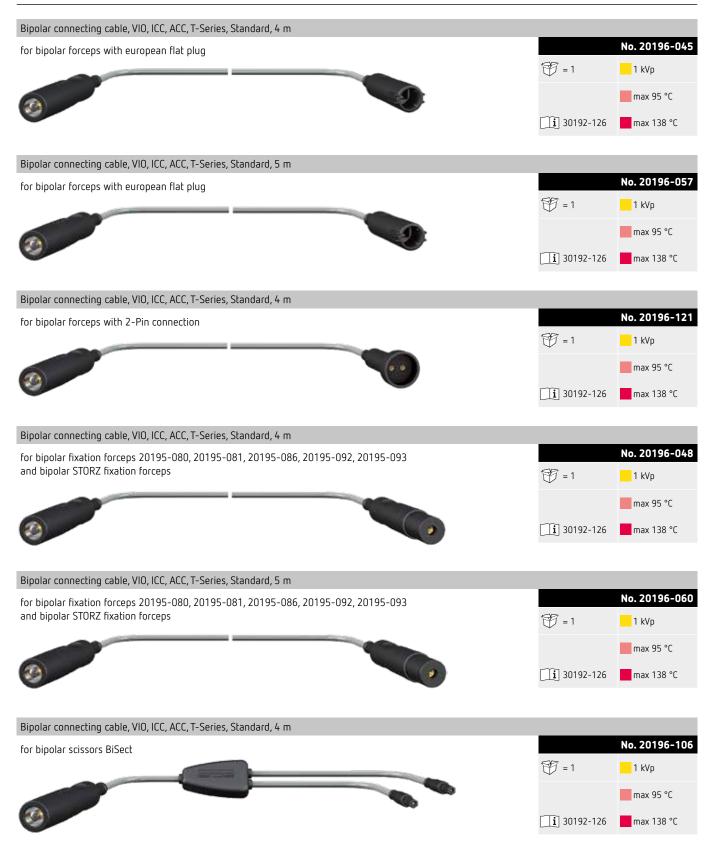
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Monopolar connecting cables





Bipolar connecting cables



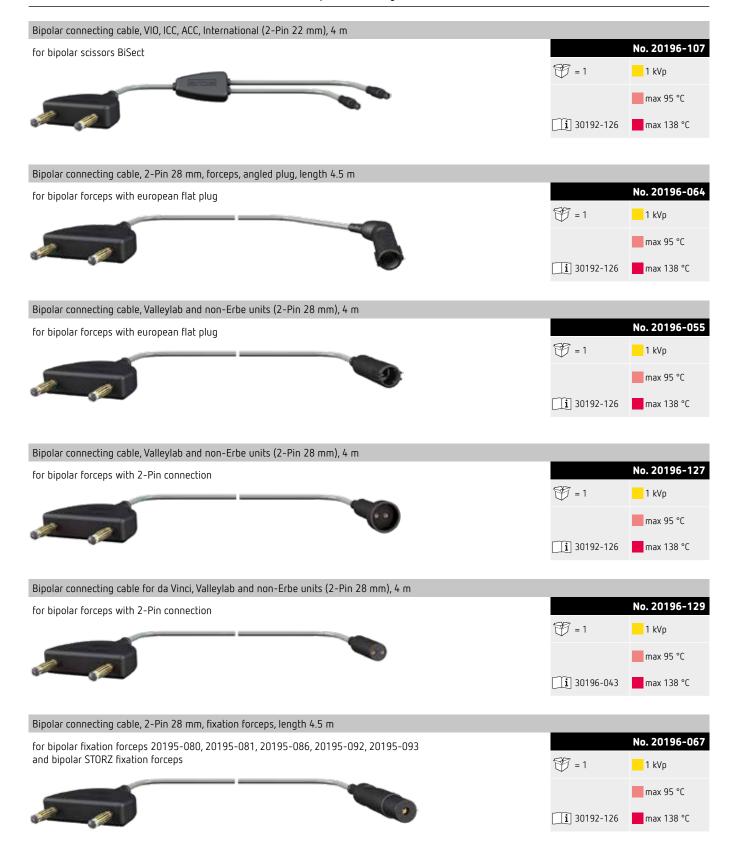
Bipolar connecting cables

Bipolar cable for da Vinci, Standard, 4 m No. 20196-130 **9** = 1 1 kVp max 95 °C **i** 30196-043 max 138 °C Bipolar connecting cable, 8/4 mm, forceps, angled plug, length 4.5 m No. 20196-062 for bipolar forceps with european flat plug **3** = 1 1 kVp max 95 °C **i** 30192-126 max 138 °C Bipolar connecting cable, 8/4 mm, Aesculap forceps, angled plug, length 4.5 m No. 20196-065 for bipolar Aesculap forceps 1 kVp max 95 °C **i** 30192-126 max 138 °C Bipolar connecting cable, VIO, ICC, ACC, International (2-Pin 22 mm), 4 m No. 20196-053 for bipolar forceps with european flat plug **8** = 1 1 kVp max 95 °C **i** 30192-126 max 138 °C Bipolar connecting cable, VIO, ICC, ACC, International (2-Pin 22 mm), 5 m No. 20196-061 for bipolar forceps with european flat plug **7** = 1 1 kVp max 95 °C **i** 30192-126 max 138 °C Bipolar connecting cable, 2-Pin 22 mm, forceps, angled plug, length 4.5 m No. 20196-063 for bipolar forceps with european flat plug 1 kVp max 95 °C **i** 30192-126 max 138 °C

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09

Bipolar connecting cables



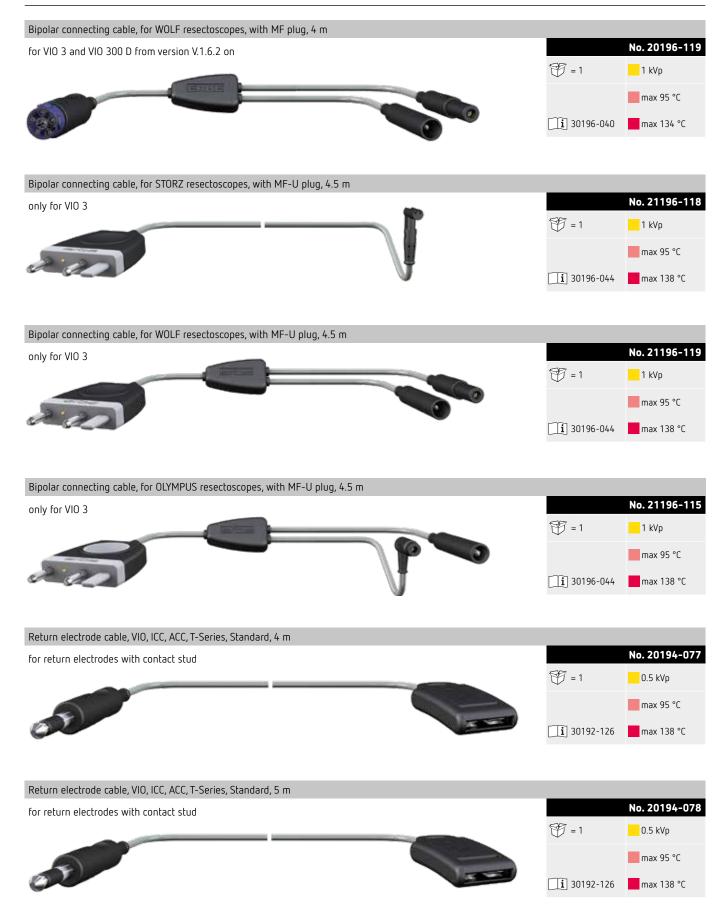
Bipolar connecting cables



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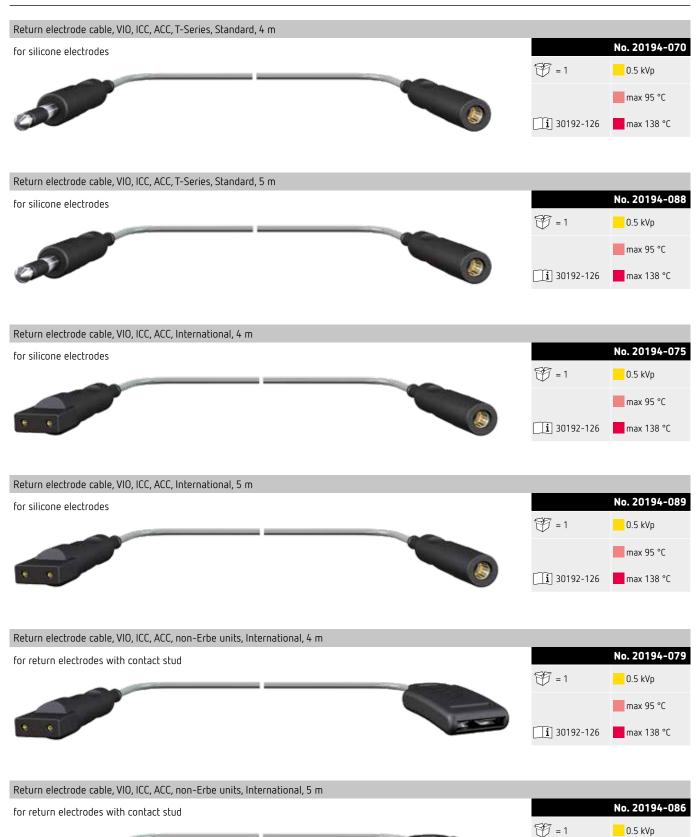
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Bipolar connecting cables



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Connecting cables for return electrodes



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max 95 °C

max 138 °C

13

i 30192-126

Connecting cables for return electrodes



Monopolar adapters

Monopolar adapter, VIO, ICC, ACC, Standard (MO 9/5 mm)



for connecting plug \emptyset 4mm (single-pole) adapter for endoscopy, for STORZ, WOLF, OLYMPUS



Monopolar adapter, VIO, ICC, ACC, Standard (MO 9/5 mm)



for connecting plug international (3 Pin)



Monopolar adapter, VIO D/S, ICC, ACC, Standard (MO 9/5 mm)



for connecting plug ø 8 mm (Bovie Jack)



Monopolar adapter, VIO, ICC, ACC, Standard (MO 9/5 mm)



for standard Martin accessories (MO 8/4 mm)



Monopolar adapter, units International ø 8 mm (Bovie Jack)



for connecting plug ø 2-7 mm (single-pole)



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Bipolar adapters

Bipolar adapter, VIO, ICC, ACC, T-Series, Standard (BI 8/4 mm)



for connecting plug international (2- Pin 19 mm)





Bipolar adapter, VIO, ICC, ACC, Standard (BI 8/4 mm)



for Martin, Berchtold, Aesculap connecting plug, Standard (BI 9/2.5 mm)

	No. 20183-025
= 1	0.8 kVp
i 30183-128	



Bipolar adapter, Erbe units, Standard (BI 8/4 mm)



for Valleylab connecting plug (2-Pin 28 mm)

	No. 20183-065
= 1	0.5 kVp
i 30183-128	

Bipolar adapter, Erbe units, International (2-Pin 22 mm)



for standard connecting plug (BI 8/4 mm)

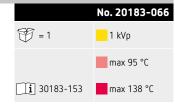
	No. 20183-053
= 1	0.8 kVp
i 30183-128	



Bipolar adapter, VIO, ICC, ACC, T-Series, Standard (BI 8/4 mm)

for connecting plug international (2 x 4 mm socket), length 30 cm





Bipolar adapters

Bipolar adapter, Valleylab units (2-Pin 28 mm)





	No. 20183-055
= 1	0.5 kVp
i 30183-128	

Bipolar adapter, Erbe units, International (2-Pin 22 mm)



for Valleylab connecting plug (2-Pin 28 mm)

	No. 20183-062
= 1	0.8 kVp
i 30183-134	

Adapter, MF-socket, MF-2-plug



for VIO 300 D

	No. 20183-100
= 1	4.3 kVp
i 30183-173	

Adapter, MF-2-/MF-U-socket, MF-plug



for VIO 3 and VIO 300 D

	No. 20183-101
= 1	4.3 kVp
i 30183-173	

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Fastening set		No.
	Fastening set for adapter 20183-100 and 20183-101, for VIO 300 D	20183-102
	Fastening set for adapter 20183-101, for VIO 3	20183-103

Ignition test adapters

APC ignition test adapter for VIO D/S, ICC, Standard (NE 6 mm)



APC ignition test adapters are not compatible with VIO $3\mbox{/}APC\mbox{/}3$



APC ignition test adapter for VIO D/S, ICC, International (NE 2-Pin)



APC ignition test adapters are not compatible with VIO $3\/$ APC 3

	No. 20183-071
= 1	
	max 95 °C
i 30183-126	max 138 °C

Return electrode adapters

Return electrode adapter, VIO, ICC, ACC, T-Series, Standard (NE 6 mm)



for international return electrode cable (NE 2-Pin)

	No. 20183-014
= 1	4 kVp
i 30183-128	

Adapter for special purpose

Adapter Bipolar Resection

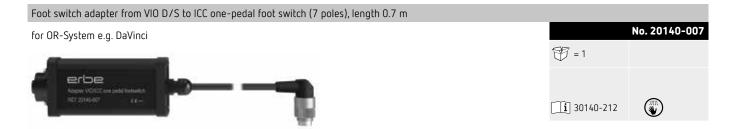


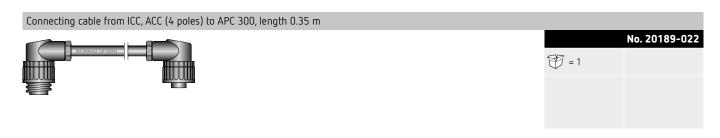
Only for VIO 300 D with MF socket from version 2.2.1 or 1.8.0 $\,$

	No. 20183-110
= 1	
i 30183-168	

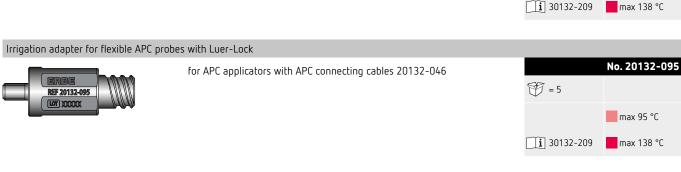
Foot switch adapters and connecting cables

Foot switch adapter from VIO D/S to ICC two-pedal foot switch (4 poles), length 0.7 m for OR-System e.g. DaVinci No. 20140-004 = 1 i 30140-212





Irrigation adapters Irrigation adapter for flexible APC probes with Luer-Lock for APC probes with APC connecting cable 20132-158 No. 20132-203 max 95 °C i 30132-209 max 138 °C





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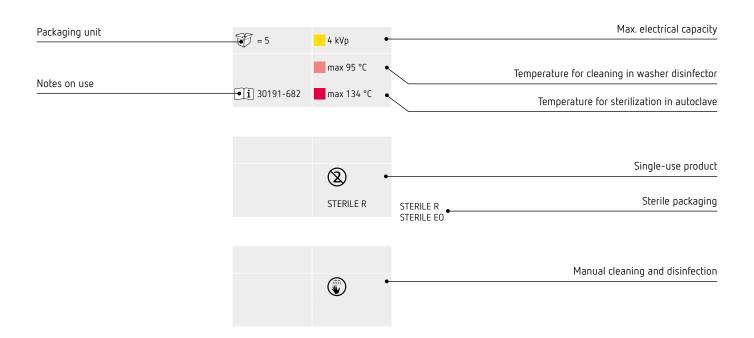
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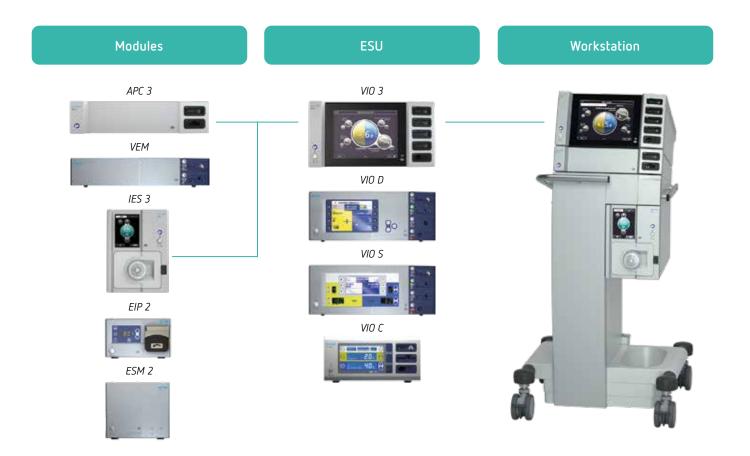
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Contents

Electrosurgery

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Overview



Carts and accessories

VIO CART, system carrier for VIO family and modules



dimensions: 630 x 940 x 650 mm (WxHxD)

weight: 31 kg,

- 4 conductive castors ø 100 mm, with fixing brake
- 1 power input
- 3 power outlets

incl. following accessories:

- 1 grab handle out of stainless steel
- 2 cable holders
- 1 foot switch bracket (for currently available foot switches)

	No. 20180-000
= 1	
i 80180-018	

Wire basket, 339 x 100/155 x 205 mm (W x H x D)



	No. 20180-010
= 1	
	W

Cable holder



	No. 20180-020
= 1	

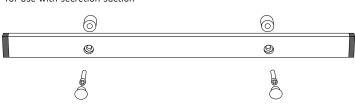
Upper bracket for VIO CART, length 260 mm





Lower bracket for VIO CART, length 390 mm

for use with secretion suction





Carts and accessories

Foot switch support, plastic



for currently available VIO foot switches

	No. 20180-051
= 1	

Cylinder pad for argon gas cylinder



	No. 20180-080
= 1	

Fastening strap for argon gas cylinder



	No. 20180-120
= 1	

05

Carts and accessories

Universal CART (CE) for VIO D/S, APC 2, VEM 2, EIP 2



dimensions: 520 x 890 x 465 mm (WxHxD)

weight: 30 kg

- 4 castors ø 100 mm, of which front 2 conductive with fixing brake
- 1 power input
- 3 power outlets

incl. following accessories:

- 1 instrument tray 339 x 155 x 205 mm (W x H x D)
- 1 grab handle
- 2 cable holders
- 1 foot switch support 20180-051 for currently available foot switches
- 2 cylinder pads for argon gas cylinder
- 2 fastening straps for argon gas cylinder

	No. 20185-205
= 1	

BASIC CART with 1 drawer for VIO D/S, NT 2, VEM 2



dimensions: 510 x 790 x 560 mm (WxHxD)

weight: 22 kg

4 conductive castors ø 100 mm, of which two with fixing brake

	No. 20185-101
= 1	

BASIC CART without drawer for VIO D/S, NT 2, VEM 2



dimensions: 510 x 790 x 560 mm (WxHxD) weight: 22 kg

4 conductive castors \emptyset 100 mm, of which two with fixing brake

	No. 20185-100
= 1	

Fastening sets

Fastening sets	No.
VIO 3 to VIO CART 20180-000	20180-140
APC 3 to VIO CART 20180-000	20180-141
VIO 3 and APC 3 to Konsole	20180-143
VIO 3 and APC 3 to ERBEJET 2 10150-000	20180-144
IES 3 to VIO 3	20323-007
VIO C on IES 3	20323-008
VIO D/S / APC 2 / VEM 2 on VIO CART 20180-000	20180-131
VIO D/S / APC 2 / VEM 2 on Universal CART 20185-205	20180-131
VIO D/S / APC 2 / VEM 2 on BASIC CART 20185-100, 20185-101	20180-131
VIO D/S / APC 2 / VEM 2 on console	20180-133
VIO D/S on APC 2 / VEM 2 (version since 2005)	20180-134
EIP 2 on VIO CART 20180-000	20180-135
EIP 2 on Universal CART 20185-205	20185-203
IES 2 on VIO CART 20180-000, incl. ECB cable 15 cm	20180-132
ICC 200 / ICC 300 / ICC 350 + APC 300 + IES 300 on Universal CART 20185-205	20321-019
IES 300 on Universal CART 20185-205	20321-019
ICC 200 / ICC 300 / ICC 350 + IES 300 on BASIC CART 20185-100, 20185-101	20321-019

Potential equalization lines / Power cords

Potential equalization lines	Length	No.
Potential equalization line, for all types of units, connections acc. to DIN 42801	5 m	20194-025

Power cords	Country	Length	No.
Power cord 10A	Germany	0.5 m	52704-046
Power cord 10A	Germany	2.5 m	52704-037
Power cord 10A	Germany	4 m	52704-032
Power cord 10A	Germany	5 m	52704-042
Power cord 10A	Great Britain	2.5 m	52704-038
Power cord 10A	Great Britain	5 m	52704-043
Power cord 10A	Italy	2.5 m	52704-040
Power cord 10A	Italy	5 m	52704-045
Power cord 10A	Canada	4 m	52704-039

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07

Foot switches

ReMode two-pedal footswitch with bracket and center bar for VIO 3, AP & IP X8 Equipment



with connecting cable 5 m



ReMode two-pedal foot switch with bracket for VIO 3, AP & IP X8 Equipment



with connecting cable 5 m

	No. 20189-351
= 1	
	max 75 °C
i 30189-306	

ReMode two-pedal foot switch with center bar for VIO 3, AP & IP X8 Equipment



with connecting cable 5 $\,\mathrm{m}$

	No. 20189-352
= 1	
	max 75 °C
1 30189-306	

ReMode two-pedal foot switch for VIO 3, AP & IP X8 Equipment



with connecting cable 5 m

	No. 20189-350
= 1	
	max 75 °C
i 30189-306	

ReMode one-pedal foot switch for VIO 3, AP & IP X8 Equipment



with connecting cable 5 m



Foot switches

ReMode two-pedal foot switch for VIO D with bracket, AP & IP X8 equipment



with connecting cable 5 m, ReMode function only available with VIO D



ReMode two-pedal foot switch for VIO D, AP & IP X8 equipment



with connecting cable 5 m, ReMode function only available with VIO D

	No. 20189-303
= 1	
	max 75 °C
i 30189-301	

Two-pedal foot switch for VIO D/S with bracket, AP & IP X8 equipment



with connecting cable 5 $\,\mathrm{m}$

	No. 20189-300
= 1	
	max 75 °C
i 30189-301	

Two-pedal foot switch for VIO D/S, AP & IP X8 equipment



with connecting cable 5 m

	No. 20189-302
= 1	
	max 75 °C
i 30189-301	

ReMode one-pedal foot switch for VIO D, AP & IP X8 equipment



with connecting cable 5 m, for VIO D from version V 1.7.6



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Foot switches

One-pedal foot switch for VIO D/S, AP & IP X8 equipment



with connecting cable 5 m



Two-pedal foot switch for VIO C, AP & IP X8 equipment



with connecting cable 5 m

	No. 20189-107
= 1	
i 30189-108	

One-pedal foot switch for VIO C, AP & IP X8 equipment



with connecting cable 5 $\,\mathrm{m}$

	No. 20188-102
= 1	
i 30189-108	

Further accessories for VIO foot switch	No.
Hoop guard for VIO two-pedal foot switch	20189-306
Middle piece for two-pedal foot switch	20189-308
Cable for VIO 3 foot switch, length 5 m	20189-355
Cable for VIO foot switch, length 5 m	20189-309
Extension cable for VIO foot switch, length 0.6 m	20189-103

Foot switches

Two-pedal foot switch for ICC, ACC, T-series, AP & IP X8 equipment



with connecting cable 5 m, connecting plug 4 poles

	No. 20189-009
= 1	
i 30189-028	

Two-pedal foot switch for ICC 80, ICC 50, ICC Bipolar, IP X8 equipment



without AP protection, with connecting cable 5 m, with connecting plug 4 poles

	No. 20187-003
= 1	
i 30189-028	

One-pedal foot switch for ICC, ACC, T-Series, AP & IP X8 equipment



with connecting cable 5 m, connecting plug 4 poles

	No. 20188-007
= 1	
i 30189-028	

One-pedal foot switch, only for use with ICC 350, AP & IP X8 equipment



activation only 'bipolar', with connecting cable 5 m, with connecting plug 4 poles

	No. 20188-013
= 1	
i 30189-028	

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Foot switches

One-pedal foot switch for ICC, ACC, IP X8 equipment



without AP protection, with connecting cable 3 m, with connecting plug 4 poles $\,$

	No. 20186-007
= 1	
i 30189-028	

Foot switch adapter from VIO D/S to ICC two-pedal foot switch (4 poles), length 0.7 \mbox{m}

for OR-System e.g. DaVinci



	No. 20140-004
= 1	
i 30140-212	

Foot switch adapter from VIO D/S to ICC one-pedal foot switch (7 poles), length 0.7 m

for OR-System e.g. DaVinci



	No. 20140-007
= 1	
i 30140-212	

Upgrades

VIO Upgrades for VIO D from V.2.x	No.
VIO Upgrade Interface	20140-006
VIO Upgrade Connector BiClamp	29140-214
VIO Upgrade Connector DRY CUT	29140-215
VIO Upgrade Connector TWINCOAG	29140-216
VIO Upgrade Connector PRECISE	29140-217
VIO Upgrade Connector ENDO CUT	29140-218

Socket modules

Socket modules	No.
Socket module MF-U, as an upgrade kit for VIO 3	20160-005
Socket module MF-0, as an upgrade kit for VIO 3	20160-004
Socket module MO 3Pin-9/5, as an upgrade kit for VIO 3	20160-001
Socket module MO 3Pin-Bovie, as an upgrade kit for VIO 3	20160-002
Socket module BI 2Pin 22-28-8/4, as an upgrade kit for VIO 3	20160-003
Socket module NE 6 - NE 2Pin, as an upgrade kit for VIO 3	20160-006
Assembly kit without socket, for APC 2 / VEM 2	20134-600
Assembly kit for second APC socket, for APC 2	20134-601
Socket module APC	20134-650
FiAPC socket module for APC 2	20134-651
Socket module BI 2Pin 22-28-8/4, as an upgrade kit	20140-613
Socket module MO 3Pin-Bovie, as an upgrade kit	20140-622
Socket module MO 3Pin-9/5, as an upgrade kit	20140-623
Cover MO 3Pin	20140-625
Complete Cover MO 3PIN	20140-626
Socket module MF-0, as an upgrade kit	20140-630
Socket module MF-2, as an upgrade kit for VIO 300 D	20140-633
Socket module NE 6 - NE 2Pin, as an upgrade kit	20140-642

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APC pressure reducers and argon gas cylinders

Country-specific gas cylinder connectors APC 3, APC 2, APC 300









DIN 477, Nr. 6 m

for Afghanistan, Algeria, Andorra, Argentina B*, Austria, Bangladesh D*, Belgium, Bhutan, Brazil B*, Brunei, Caribbean Countries, Chile **B***, China, Croatia, Cyprus, Czech Republic, Egypt, Estonia, France, Germany, Greece, Hungary, Iceland, India D*, Indonesia, Iran, Ireland, Israel, Japan, Korea North, Korea South, Kuwait D*, Latvia, Lebanon, Libya, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mauritius, Morocco, Myanmar, Namibia, Nepal D*, Oman D*, Pakistan D*, Peru B*, Philippines, Poland, Portugal, Qatar D*, Romania, Russia, Saudi Arabia D*, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka D*, Sudan, Switzerland, Taiwan (ROC), Thailand D*, Tunisia, Turkey, Ukraine, United Arab Emirates D*, Uruguay, Vietnam D*, Yemen D*, Yugoslavia

CGA Nr. 580 m

for Argentina A*, Bolivia,
Brazil A*, Canada, Chile
A*, Columbia, Dominican
Republic, Ecuador, El
Salvador, Guam, Guatemala,
Haiti, Honduras, Italy, Mexico,
New Zealand, Panama, Peru
A*, USA, Venezuela

DIN 477, Nr. 10 m

for Denmark, Finland, Ivory Coast, Netherlands, Norway, Sweden

BS 341, Nr. 3 m

for Australia, Bangladesh A*, Great Britain, India A*, Kuwait A*, Nepal A*, Northern Ireland, Oman A*, Pakistan A*, Qatar A*, Saudi Arabia A*, Sri Lanka A*, Thailand A*, United Arab Emirates A*, Vietnam A*, Yemen A*

^{*} further gas cylinder connectors possible

APC pressure reducers and argon gas cylinders

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to DIN 477 No. 6 m, W 21,8 outside, with hose 0,5 m with manual connection $\,$

	No. 20134-004
= 1	
i 30134-008	A

Argon gas cylinder, 5 liters, empty



gas cylinder connector to DIN 477 No. 6 m dimensions: height 60 cm, ø 14 cm weight 8,8 kg

	No. 20132-171
= 1	
	A

Argon gas cylinder, 5 liters, 200 bar (2800 psi) filled with 4.8 argon gas (99,998%)



gas cylinder connector to DIN 477 No. 6 m dimensions: height 60 cm, ø 14 cm weight 10,7 kg

	No. 20132-004
= 1	
	A

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to CGA No. 580 m, 0,965 $^{\prime\prime}$ inside, with hose 0,5 m

	No. 20134-002
= 1	
i 30134-008	В

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APC pressure reducers and argon gas cylinders

Argon gas cylinder, 5 liters, empty



gas cylinder connector to CGA No. 580 m dimensions: height 60 cm, ø 14 cm weight: 8,1 kg

	No. 20132-165
= 1	
	В

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to DIN 477 No. 10 m, W 24,32 outside, with hose 0,5 m with manual connection $\,$

	No. 20134-001
= 1	
i 30134-008	C

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to BS 341 No. 3 m, G $5/8^{\prime\prime}$ inside, with hose 0,5 m, with manual connection

	No. 20134-003
= 1	
i 30134-008	D

Pressure reducer with sensor for APC 2/APC 3



	No. 20134-005
= 1	
i 30134-008	Japan

Pressure reducer with sensor for APC 2/APC 3 $\,$



P = 1	No. 20134-006
i 30134-008	В

Further APC accessories

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to ISO 5145 $\ensuremath{\text{n}^{\circ}\text{4}},$ with hose 0.75 m

	No. 20134-007
= 1	
i D130245	France

Pressure reducer without sensor for APC 300, with manual connection



gas cylinder connector to ISO 5145 n°4, with hose 0,75 m

	No. 20132-078
= 1	
i D130245	France

Bacteriological filter set, APC 2, APC 300, 0.2 µm, steril



	No. 20132-059
= 50	
	2
i 30132-275	STERILE EO

Connecting tube for central gas supply, APC 2/APC 3, APC 300, length 1 m



	No. 20132-085
= 1	
*	

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Socket modules	No.
Socket module APC 2	20134-650
FiAPC socket module for APC 2	20134-651

IES smoke evacuation system

Main filter cartridge IES 3 with connection ø 22 mm



	No. 20323-000
= 1	
	2
i 80114-801	

Filter cartridge for IES 2, IES 300, with connection ø 22 mm



	No. 20321-000
70	No. 20321-000
= 1	
	(2)
	⊘
i 30321-010	

Prefilter for use with smoke evacuators, with connection \emptyset 22 mm



	No. 20321-022
= 15	
	2

Smoke evacuation tubing ø 32 mm, length 1.8 m, type VT 10106 for connection to central evacuation system





Suction hose, with connection ø 22 mm, length 2.1 m



	No. 20321-012
= 1	
	max 95 °C
	max 134 °C

Suction hose, with connection \emptyset 22 mm, length 2.7 m



	No. 20321-009
= 1	
	max 95 °C
	max 134 °C

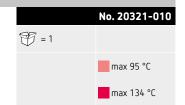
IES smoke evacuation system

Evacuation tube, optimized streaming, with connection ø 22 mm



Evacuation funnel, with connection ø 22 mm





T-piece, 22M - 22F - 22M for simultaneous application



	No. 20323-005
= 20	
	2
i D151174	STERILE EO

Hose coupling ø 22 mm to ø 22 mm





LAP tubing set IES 3 , with trumpet valve, 3 m for laparoscopic application





LAP tubing set IES 3, with trumpet valve, 5 m for laparoscopic application



	No. 20323-006
= 10	
	2
i D146821	STERILE EO

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IES smoke evacuation system

Evacuation element IES 3 for central evacuation



	No. 20323-001
= 1	
<u>i</u>	

Automatic Activation Device for IES 3 for VIO® C, electrosurgical external devices or stand-alone operation



	No. 20323-002
= 1	
i D158940	

Self-sealing water trap, right angled, medium volume for protecting the main filter cartridge



	No. 20323-004
= 1	
	2
☐i D139277	STERILE EO

Holding arm for tube with 3 joints, length 1.3 m





	No. 20321-014
= 1	
	max 95 °C
i 30321-008	max 132 °C

Bracket for IES 300, length 355 mm



	No. 20321-015
= 1	
i 30321-008	

Evacuation element with connector ø 22 mm for IES 2





	No. 20322-010
= 1	

IES smoke evacuation system

One-pedal foot switch for IES 2, AP & IP X8 equipment



with connecting cable 5 m, with connecting plug 7 poles



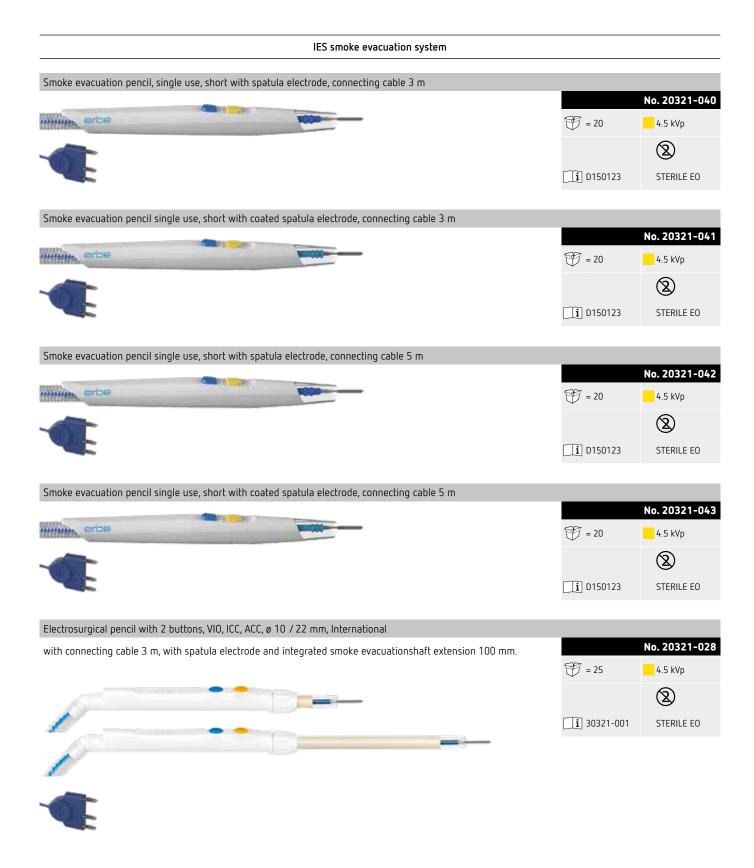
One-pedal foot switch for IES 300, AP & IP X8 equipment



with connecting cable 5 m, connecting plug 6 poles

	No. 20321-001
= 1	
i 30189-028	

Power cord and foot switch cable	No.
Power cord ICC / IES 300, length 0.35 m	51704-033



IES smoke evacuation system Clip-On handle for smoke evacuation for 20190-065, -066, -067, -074, -075 No. 20321-044 To be used in combination with Erbe Slim-Line electrosurgical pencils (20190-065, 20190-066, 20190-067, 20190-074, 20190-075) = 20 2 **1** D150128 STERILE EO Extension tip for Clip-On handle (20321-044) No. 20321-045 To be used in combination with 20321-044 = 20 2 **1** D150128 STERILE EO Clip-on handle for Slim-Line electrosurgical pencils, tip short 12 mm No. 20321-007 with evacuation tubing 3 m and connection \emptyset 22 mm, without electrosurgical pencil = 25 2 **i** 30321-000 STERILE EO Clip-on handle for Slim-Line electrosurgical pencils, tip long 100 mm No. 20321-020

= 25

i 30321-000

2

STERILE EO

with evacuation tubing 3 m and connection ø 22 mm, without electrosurgical pencil





EIP 2 irrigation pump

Tubing set EIP 2 for flexible endoscopes, with Luer Lock connection, length 2.5 $\mbox{\ensuremath{\text{m}}}$



replaces 20325-001

	No. 20325-010
= 10	
	2
i D148285	STERILE EO

Tubing set EIP 2 for irrigation forceps, without connecting cable, length 2.8 m



replaces 20325-020

	No. 20325-011
= 10	
	2
i D148285	STERILE EO

Tubing set EIP 2, for flexible endoscopes with Luer Lock connection, length 2.5 m



	No. 20325-001
= 5	
	2
i 30325-001	STERILE EO

Tubing set for irrigation forceps, length 2,8 m, without connecting cable



for single use, for EIP 2

	No. 20325-020
= 5	
	2
i 30325-001	STERILE EO

One-pedal foot switch for EIP 2, AP & IP X8 equipment



with connecting cable 3 m, connecting plug 4 poles

	No. 20325-000
= 1	
i 30189-028	

Hook for irrigation liquid bag on bracket / VIO Cart



	No. 20325-002
= 1	
	max 95 °C
	max 134 °C

EIP 2 irrigation pump

Irrigation adapter for Olympus, Fujifilm G5, STORZ



	No. 20325-003
= 1	

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Irrigation adapter for Fujifilm



	No. 20325-004
= 1	



Irrigation adapter for PENTAX







Fastening sets	No.
Fastening set EIP 2 / ESM 2 to VIO Cart 20180-000	20180-135
Fastening set EIP 2 to Universal Cart	20321-203

Fluid management system

Reusable, with one suction unit



Single components	Pieces	No.
Silicone hose, length 600 mm	1	20340-004
Rail bracket, plastic	1	20340-002
Upper bracket for VIO CART, length 260 mm	1*	20180-040
Bracket for IES 300, length 355 mm	1*	20321-015

^{*} optional

Reusable, with two suction units



Single components	Pieces	No.
Silocone hose, length 600 mm	1	20340-004
Reversing valve, rail bracket with two silicone hoses, length 300 mm	1	20340-003
Rail bracket, plastic	2	20340-002
Lower bracket for VIO CART, length 390 mm	1	20180-042
Upper bracket for VIO CART, length 260 mm	1	20180-040

Fluid management system

ESM membrane filter



for use with silicone hose 20340-004

	No. 20340-100
= 10	
	2

Silicone hose, length 600 mm



	No. 20340-004
= 1	
	max 95 °C
	max 134 °C

Rail bracket, plastic



for use with suction container 20340-102 and 20340-103

	No. 20340-002		
= 1			
	max 95 °C		
	max 134 °C		

Switching valve, rail bracket and 2 silicone hoses, length 300 mm



	No. 20340-003
= 1	
	max 95 °C
	max 134 °C

Bracket for IES 300, length 355 mm





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Fluid management system

Suction container, 1.5 liters



for use with suction bag 20340-012

	No. 20340-102
= 1	

Suction bag, 1.5 liters



for use with suction container 20340-102

	No. 20340-012
= 30	
	2

Suction bag, 2.5 liters



for use with suction container 20340-103

	No. 20340-013
= 30	
	2

Nerve test / NT 2

Electrosurgical pencil for nerve test with 1 button, for silver ball electrode, NT 2, ICC 350 ZMK $\,$

with connecting cable 4 m





	No. 20190-148
= 1	0.25 kVp
	max 95 °C
i 30190-262	max 138 °C

Silver ball electrode for nerve test, ø 1 mm, length 40 mm	Shape / Forming	Piece	No.
GD10=	straight	1	21191-052

Patient plates for NT 2, without connecting cable



	No. 20142-200
= 20	
	2

Patient plate cable for NT 2, length 5 m



	No. 20142-100
= 1	

Test box

Test box 3 for checking of electrosurgical accessories



	No. 20183-042
= 1	

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Important information

We have prepared this document with care. Nonetheless, we cannot completely rule out errors in this document.

The information, recommendations and other data ("Information") contained in this document reflect our state of knowledge and the state of science and technology at the time of preparing the document. The information is of a general nature, non-binding and serves solely for general information purposes and does not represent instructions for use or notes on application.

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Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany

Phone +49 7071 755-0 Fax +49 7071 755-179 info@erbe-med.com erbe-med.com



Legend

Important notes

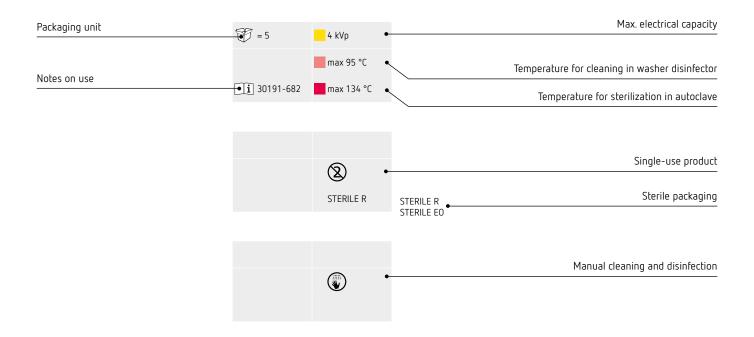
The authors and Erbe Elektromedizin GmbH have taken the greatest possible care while compiling the catalogue with electrosurgical accessories. Nevertheless, it is impossible to exclude the possibility that errors may be contained herein.

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.

Further product information



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

Contents

Vessel sealing

Instruments and accessories

- 04 BiClamp
- 12 BiCision
- 13 BiClamp LAP forceps
- 17 BiClamp E LAP forceps
- Accessories for treatment for BiClamp LAP and BiClamp E LAP forceps

Overview

Field of application Shape of instrument BiClamp Laparoscopy BiClamp LAP and BiClamp E LAP Open surgery and laparoscopy BiCision

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BiClamp







BiClamp

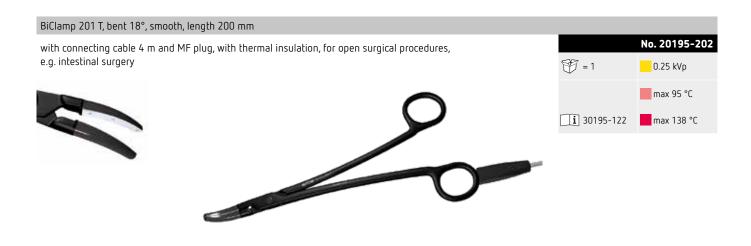


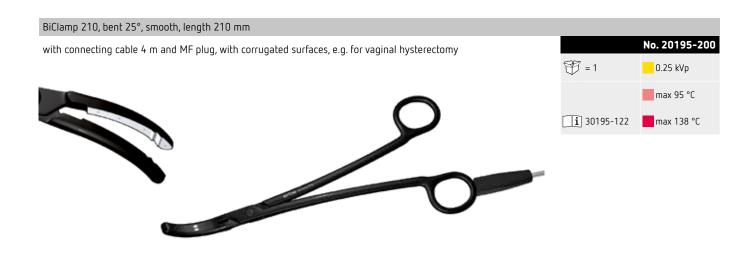
Product type	Length	Shape	Jaws	No.
BiClamp 150 C	150 mm	bent 23°	smooth	20195-221 21195-221
BiClamp 190 C	190 mm	bent 23°	smooth	21195-190
BiClamp 201 T	200 mm	bent 18°	smooth	20195-202 21195-202
BiClamp 210	210 mm	bent 25°	corrugated	20195-200 21195-200
BiClamp 260 C	260 mm	bent 18°	smooth	20195-299 21195-299
BiClamp 271 T	270 mm	bent 18°	smooth	20195-203 21195-203
BiClamp 280	280 mm	bent 25°	smooth	20195-280 21195-280

100 %

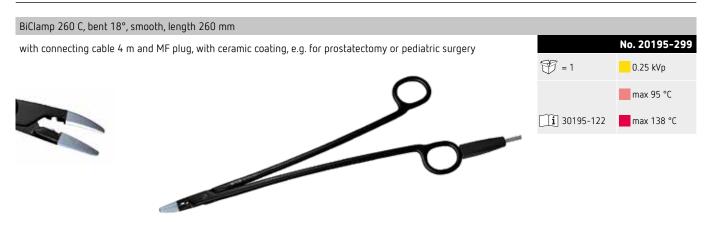
BiClamp

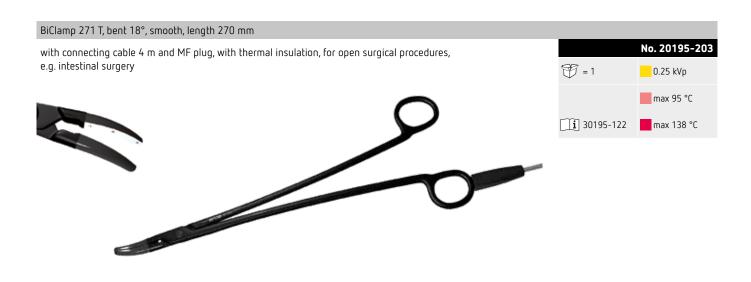


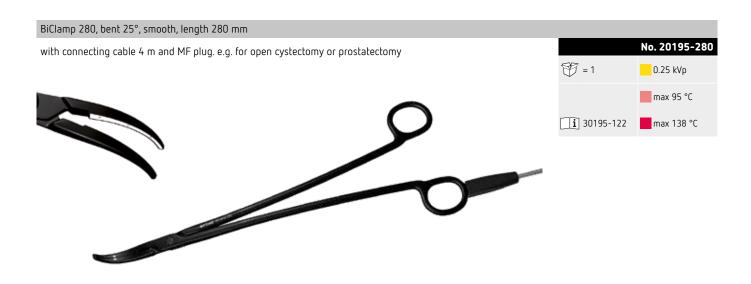




BiClamp

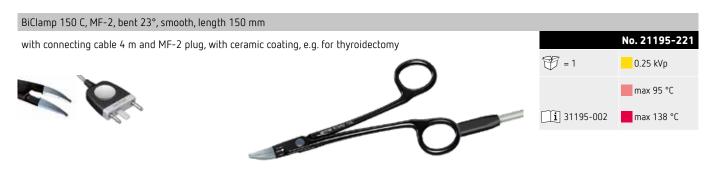


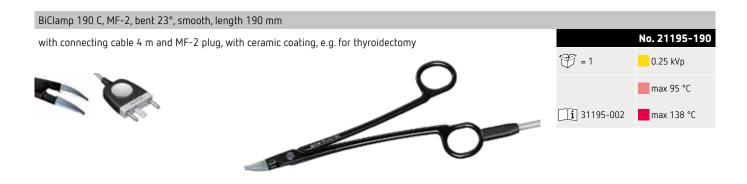


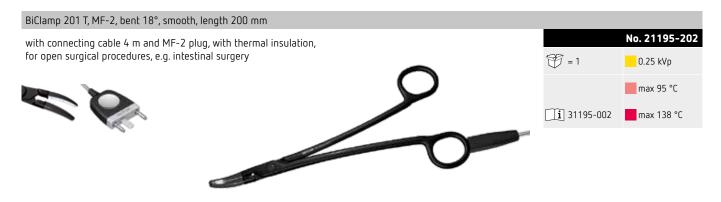


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BiClamp

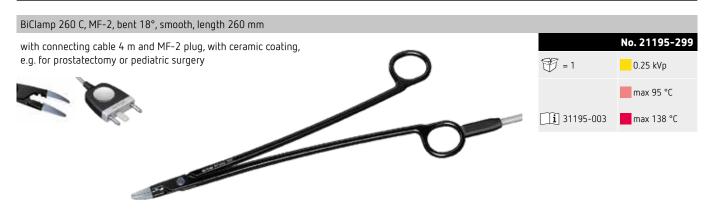


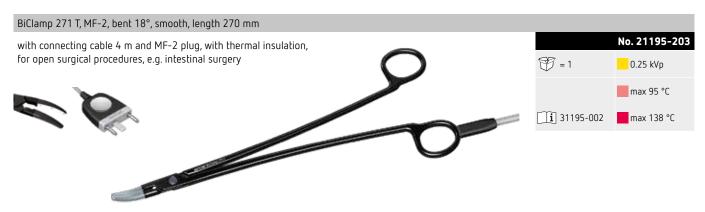


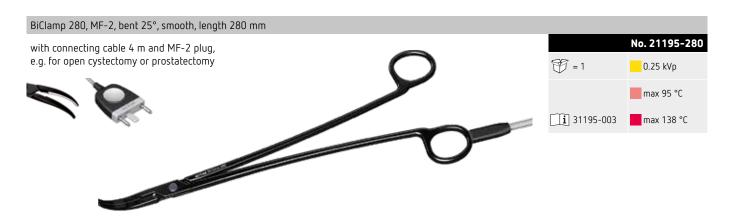




BiClamp



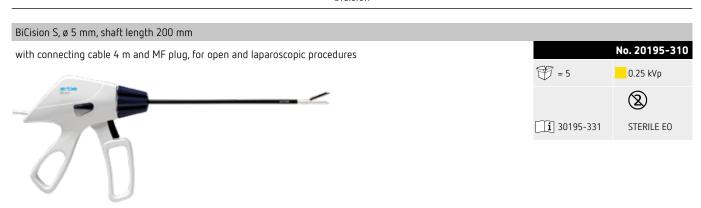


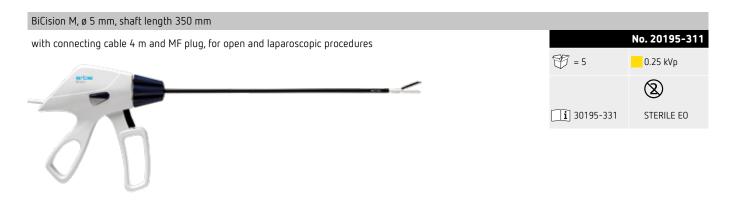


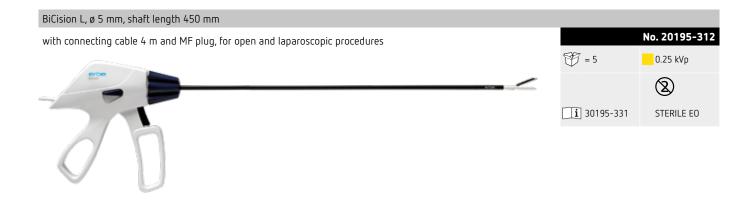
Adapters	Piece	No.
Adapter, MF-socket, MF-2-plug for VIO 300 D	1	20183-100
Adapter, MF-2/MF-U-socket, MF-plug for VIO 3 and VIO 300 D	1	20183-101

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BiCision







BiClamp LAP forceps









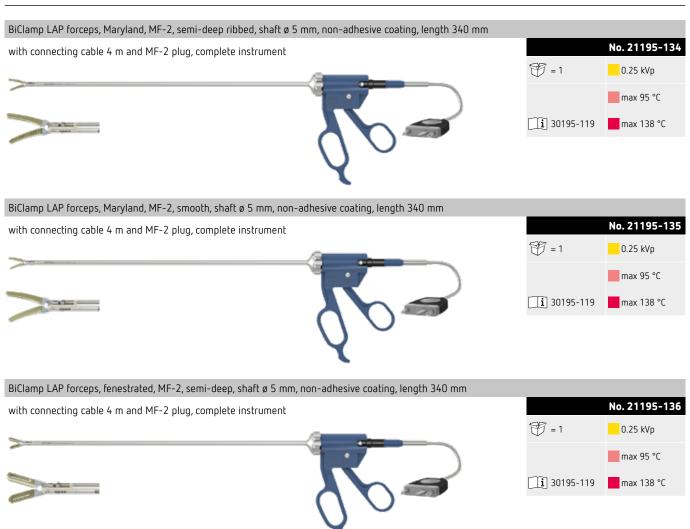
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BiClamp LAP forceps





BiClamp LAP forceps







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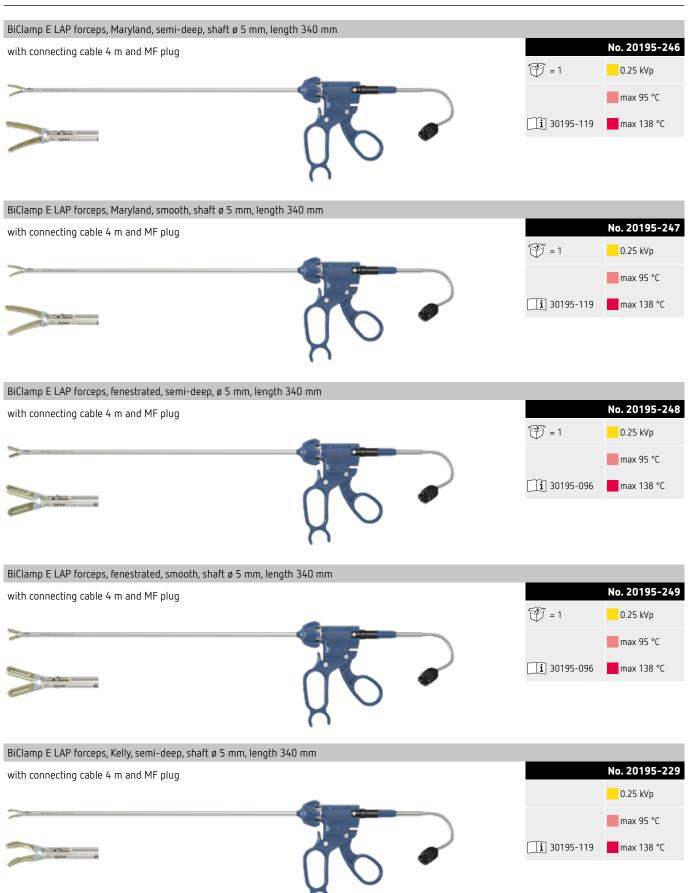
BiClamp LAP forceps



Single components		Piece	No.
Insert for BiClamp LAP forceps, Kelly, shaft ø 5 mm, length 340 mm (for 20195-228)	The same surfaces	1	20195-236
Insert for BiClamp LAP forceps, Maryland, semi-deep ribbed, shaft ø 5 mm, length 340 mm (for 20195-134)	- arriva	1	20195-146
Insert for BiClamp LAP forceps, Maryland, smooth, shaft ø 5 mm, length 340 mm (for 20195-135)	The sections	1	20195-147
Insert for BiClamp LAP forceps, fenestrated, semi-deep, shaft ø 5 mm, length 340 mm (for 20195-136)		1	20195-148
Insert for BiClamp LAP forceps, fenestrated, smooth, shaft ø 5 mm, length 340 mm (for 20195-137)		1	20195-149
Insert for BiClamp 110, smooth, shaft ø 5 mm, length 110 mm (for 20195-230)	Table mylan	1	20195-232
Shaft tube for bipolar LAP forceps and BiClamp LAP forceps		1	20195-141
Shaft tube for BiClamp 110, ø 5 mm, length 110 mm (for 20195-230)		1	20195-234
Handle for BiClamp LAP forceps and BiClamp 110, with connecting cable 4 m and MF plug	160	1	20195-145
Handle for BiClamp LAP forceps and BiClamp 110, with connecting cable 4 m and MF-2 plug	160	1	21195-145

Adapters	Piece	No.
Adapter, MF-socket, MF-2-plug for VIO 300 D	1	20183-100
Adapter, MF-2/MF-U-socket, MF-plug for VIO 3 and VIO 300 D	1	20183-101

BiClamp E LAP forceps



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BiClamp E LAP forceps











BiClamp E LAP forceps

Single components		Piece	No.
Insert for BiClamp E LAP forceps, Kelly, shaft ø 5 mm, length 340 mm (for 20195-229, 21195-229)	arba arba	1	20195-236
Insert for BiClamp E LAP forceps, Maryland, semi-deep ribbed, shaft ø 5 mm, length 340 mm (for 20195-246, 21195-246)	The section of the se	1	20195-146
Insert for BiClamp E LAP forceps, Maryland, smooth, shaft ø 5 mm, length 340 mm (for 20195-247, 21195-247)	The sections	1	20195-147
Insert for BiClamp E LAP forceps, fenestrated, semi-deep, shaft ø 5 mm, length 340 mm (for 20195-248, 21195-248)	erise	1	20195-148
Insert for BiClamp E LAP forceps, fenestrated, smooth, shaft ø 5 mm, length 340 mm (for 20195-249, 21195-249)	arina	1	20195-149
Shaft tube for BiClamp E LAP forceps, ø 5 mm, length 340 mm		1	20195-241
Handle for BiClamp E LAP forceps, with connecting cable 4 m and MF plug (for 20195-246, 20195-247, 20195-248, 20195-249, 20195-229)	96	1	20195-240
Handle for BiClamp E LAP forceps, with connecting cable 4 m and MF-2 plug (for 21195-246, 21195-247, 21195-248, 21195-249, 21195-229)		1	21195-240

Adapters	Piece	No.
Adapter, MF-socket, MF-2-plug for VIO 300 D		20183-100
Adapter, MF-2/MF-U-socket, MF-plug for VIO 3 and VIO 300 D		20183-101

Accessories for treatment for BiClamp LAP and BiClamp E LAP forceps

Accessories for treatment		Piece	No.
Cleaning brush for suction channel max. ø 3.5 mm, length 650 mm, for manual cleaning and disinfection	4-	1	20191-279
Irrigation tube for shaft tube with Luer Lock connector, length 500 mm, for LAP instruments, for cleaning and disinfection by machine		1	20195-201

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Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany

Phone +49 7071 755-0 Fax +49 7071 755-179 info@erbe-med.com erbe-med.com



Legend

Important notes

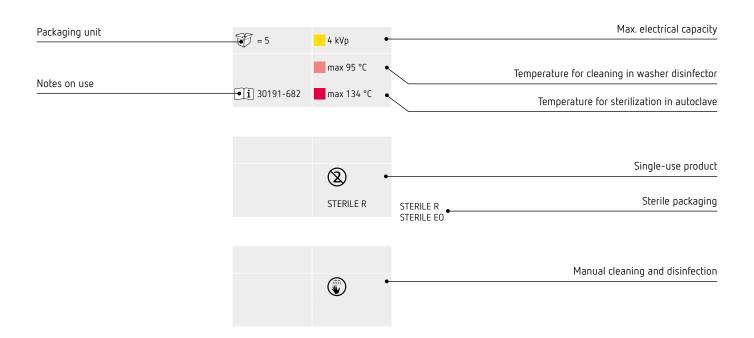
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Contents

Argon plasma coagulation

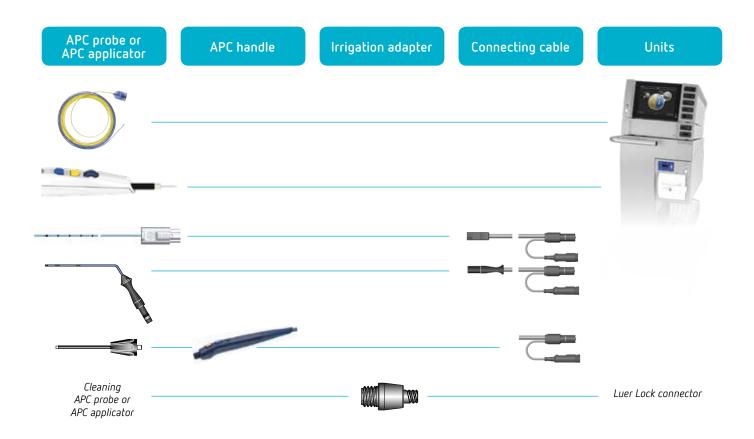
Instruments for APC 04 FiAPC probes, single-use 07 Flexible APC probes, single-use 09 APCapplicator 11 APC applicators for APC handles 14 APC ignition test adapters 15

APC applicators for APC connecting cables

Accessories for APC

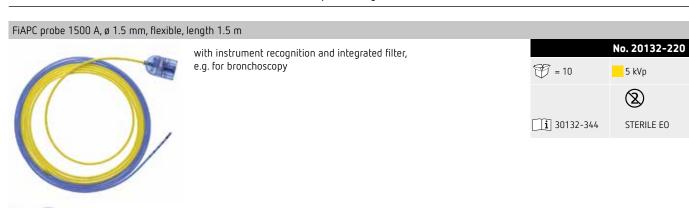
APC pressure reducers and argon gas cylinder / 17 further APC accessories

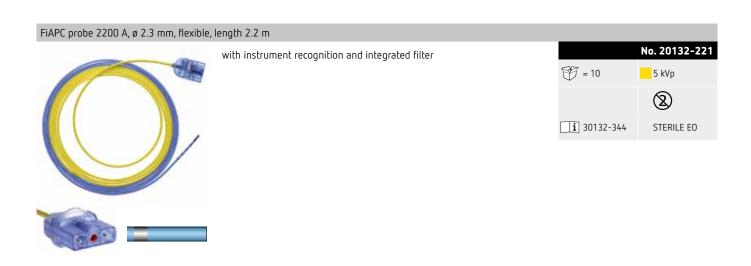
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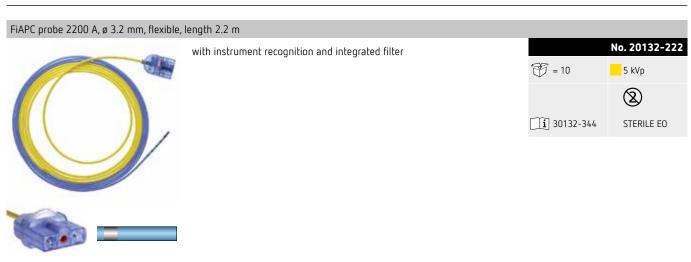


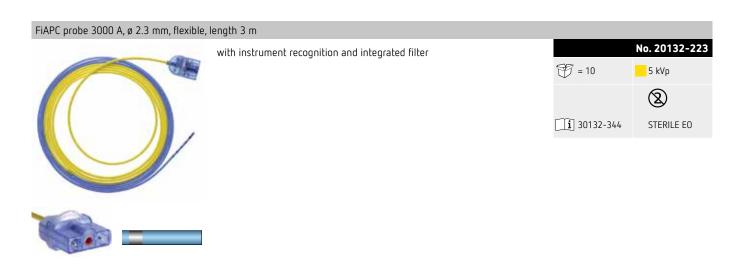
FiAPC probes, single-use

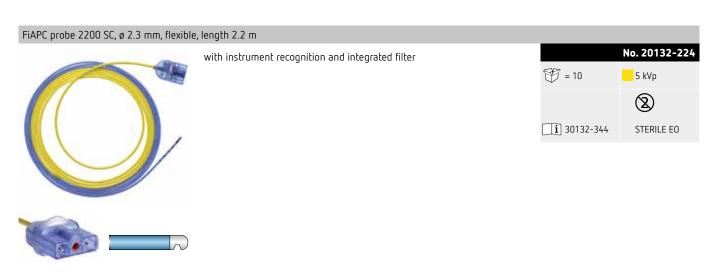




FiAPC probes, single-use







FiAPC probes, single-use

No. 20132-225

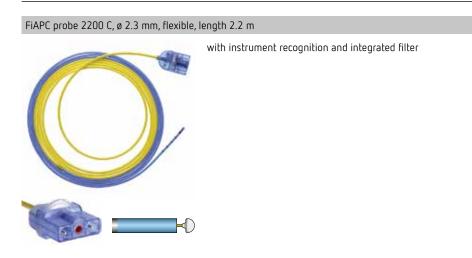
STERILE EO

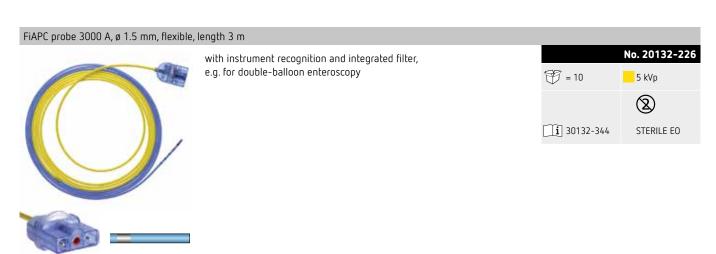
5 kVp

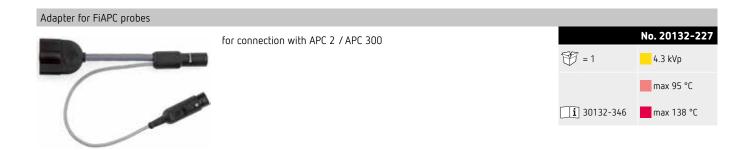
(2)

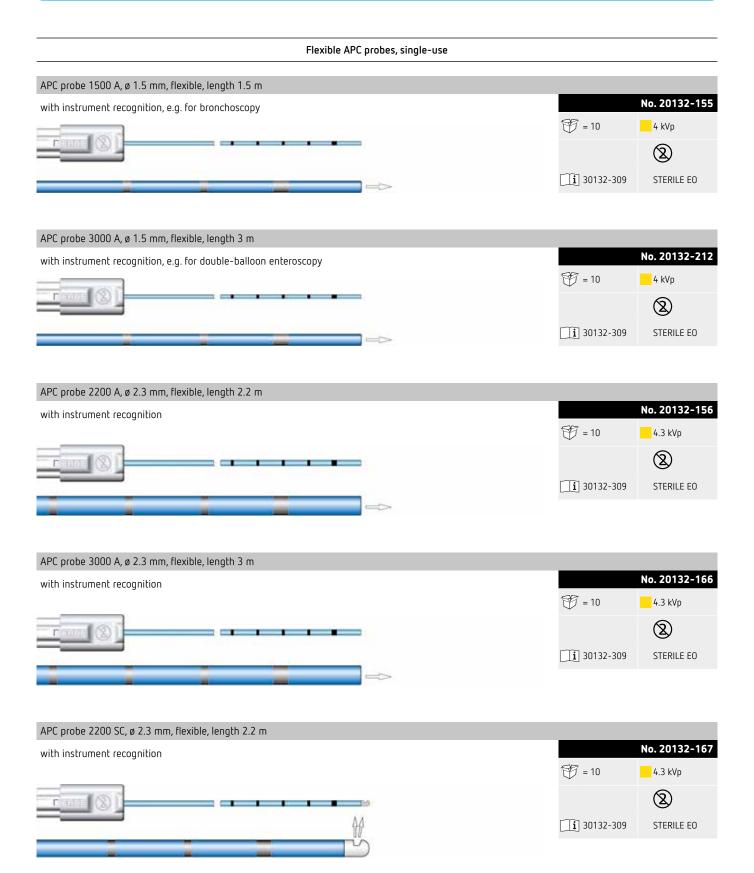
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i 30132-344



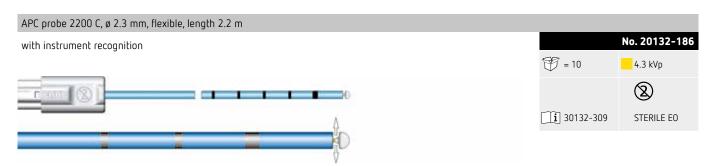


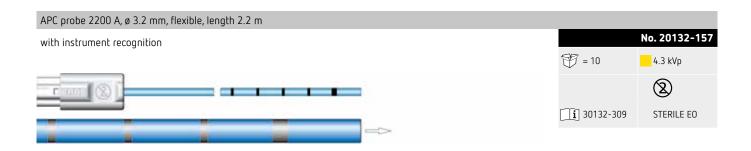




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Flexible APC probes, single-use





APC connecting cable/irrigation adapter		Length	Piece	No.
Bacteriological filter set, APC 2, APC 300, 0.2 μm, steril	(C)		50	20132-059
Connecting cable for flexible APC probes, APC 2/VIO, APC 300/ICC		2.5 m	1	20132-158
Irrigation adapter for flexible APC probes with Luer-Lock, for APC probes with APC connecting cable 20132-158			5	20132-203

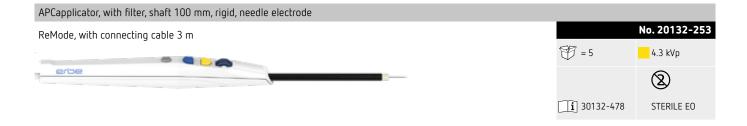
Flexible APC probes, single-use are not compatible with VIO 3/APC3

APCapplicator



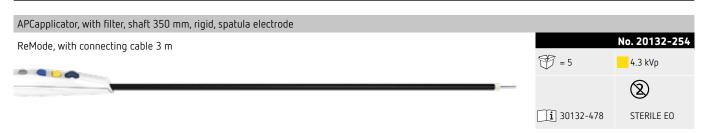






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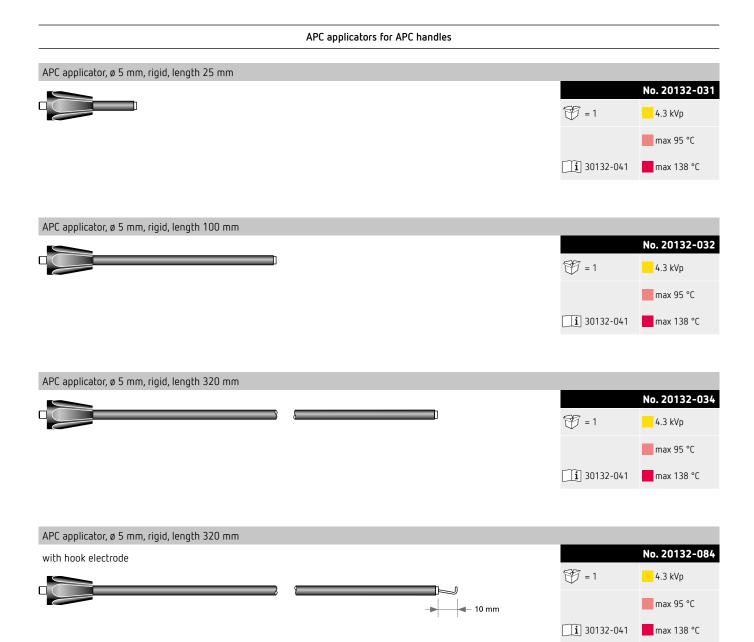
APCapplicator





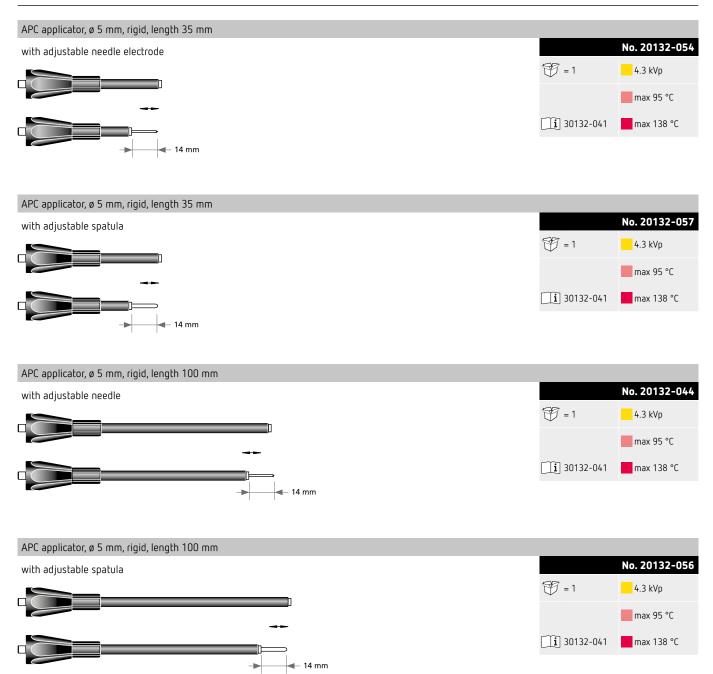


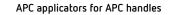




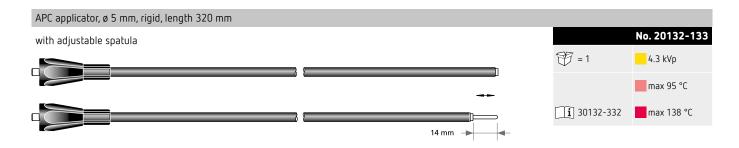
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APC applicators for APC handles

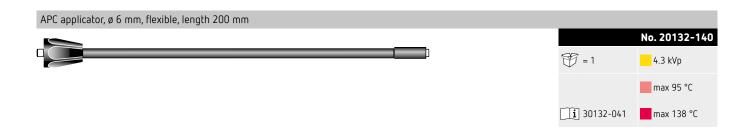


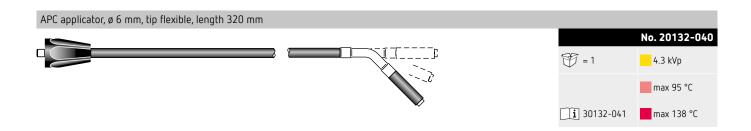












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APC applicators for APC handles

APC handles/irrigation adapters	Length	Piece	No.
VIO APC ReMode handle with 3 buttons for APC 2, with connecting cable, with instrument recognition	3 m	1	20132-200
VIO APC handle with 2 buttons for APC 2, with connecting cable, with instrument recognition	3 m	1	20132-201
APC handle with 2 buttons, APC 2/VIO, APC 300/ICC, with connecting cable, with instrument recognition	3 m	1	20132-043
Irrigation for adapter APC applicators with Luer-Lock, for APC applicators with APC handles		5	20132-087

APC handles and APC applicators, reusable are not compatible with VIO 3/APC3

APC ignition test adapters

APC ignition test adapter for VIO D/S, ICC, Standard (NE 6 mm)



	No. 20183-070
= 1	
	max 95 °C
i 30183-126	max 134 °C

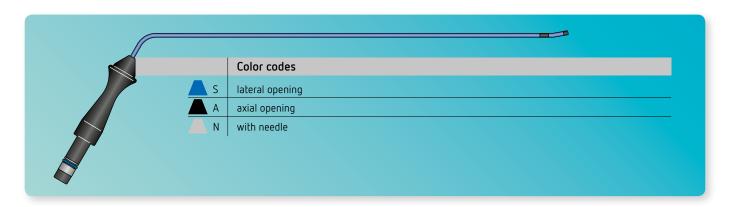
APC ignition test adapter for VIO D/S, ICC, International (NE 2-Pin)

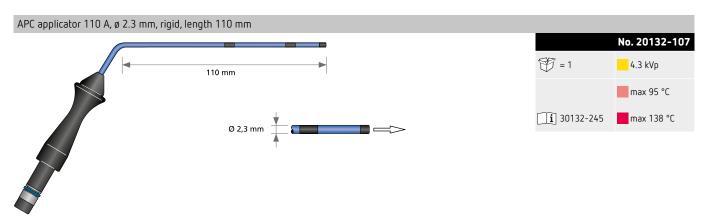


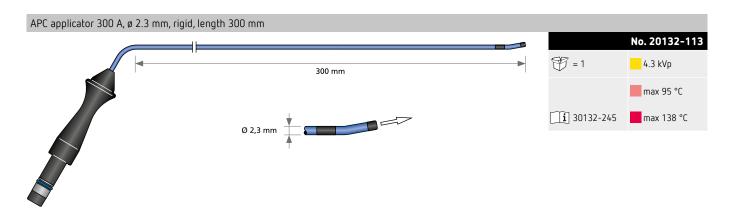


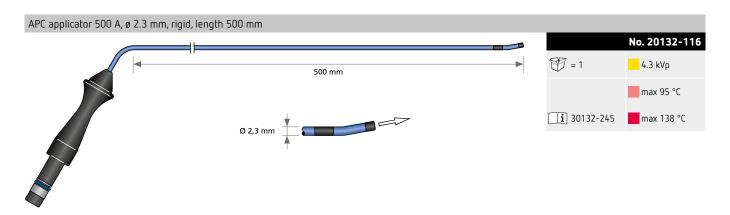
APC ignition test adapters are not compatible with VIO 3/APC 3

APC applicators for APC connecting cables, APC 2/APC 300



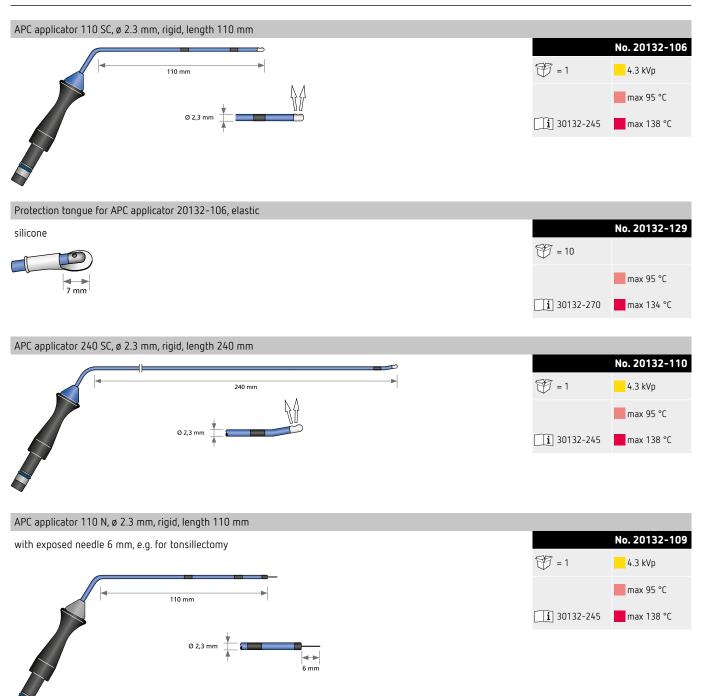






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APC applicators for APC connecting cables, APC 2/APC 300



APC connecting cable/irrigation adapter	Length	Piece	No.
Connecting cable for APC applicators, APC 2/VIO, APC 300/ICC	2.5 m	1	20132-046
Irrigation adapter for APC applicators with Luer Lock		5	20132-095

Accessories for APC

APC pressure reducers and argon gas cylinders

Country-specific gas cylinder connectors APC 3, APC 2, APC 300









DIN 477, Nr. 6 m

for Afghanistan, Algeria, Andorra, Argentina B*, Austria, Bangladesh D*, Belgium, Bhutan, Brazil B*, Brunei, Caribbean Countries, Chile **B***, China, Croatia, Cyprus, Czech Republic, Egypt, Estonia, France, Germany, Greece, Hungary, Iceland, India D*, Indonesia, Iran, Ireland, Israel, Japan, Korea North, Korea South, Kuwait D*, Latvia, Lebanon, Libya, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mauritius, Morocco, Myanmar, Namibia, Nepal D*, Oman D*, Pakistan D*, Peru B*, Philippines, Poland, Portugal, Qatar D*, Romania, Russia, Saudi Arabia D*, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka D*, Sudan, Switzerland, Taiwan (ROC), Thailand D*, Tunisia, Turkey, Ukraine, United Arab Emirates D*, Uruguay, Vietnam D*, Yemen D*, Yugoslavia

CGA Nr. 580 m

for Argentina A*, Bolivia, Brazil A*, Canada, Chile A*, Columbia, Dominican Republic, Ecuador, El Salvador, Guam, Guatemala, Haiti, Honduras, Italy, Mexico, New Zealand, Panama, Peru A*, USA, Venezuela

DIN 477, Nr. 10 m

for Denmark, Finland, Ivory Coast, Netherlands, Norway, Sweden

BS 341, Nr. 3 m

for Australia, Bangladesh A*, Great Britain, India A*, Kuwait A*, Nepal A*, Northern Ireland, Oman A*, Pakistan A*, Qatar A*, Saudi Arabia A*, Sri Lanka A*, Thailand A*, United Arab Emirates A*, Vietnam A*, Yemen A*

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Accessories for APC

APC pressure reducers and argon gas cylinder / further APC accessories

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to DIN 477 No. 6 m, W 21,8 outside, with hose 0.5 m with manual connection

	No. 20134-004
= 1	
i 30134-008	A

Argon gas cylinder, 5 liters, empty



gas cylinder connector to DIN 477 No. 6 m dimensions: height 60 cm, ø 14 cm weight 8,8 kg



Argon gas cylinder, 5 liters, 200 bar (2800 psi) filled with 4.8 argon gas (99,998%)



gas cylinder connector to DIN 477 No. 6 m dimensions: height 60 cm, ø 14 cm weight 10,7 kg



Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to CGA No. 580 m, 0,965" inside, with hose 0,5 m $\,$

	No. 20134-002
= 1	
i 30134-008	В

Argon gas cylinder, 5 liters, empty



gas cylinder connector to CGA No. 580 m dimensions: height 60 cm, ø 14 cm weight: 8,1 kg

	No. 20132-165
= 1	
	В

Pressure reducer with sensor for APC 2/APC 3



	No. 20134-006
= 1	
i 30134-008	В

Accessories for APC

APC pressure reducers and argon gas cylinder / further APC accessories

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to DIN 477 No. 10 m, W 24,32 outside, with hose $0.5\,$ m with manual connection

	No. 20134-001
= 1	
i 30134-008	C

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to BS 341 No. 3 m, G $5/8^{\prime\prime}$ inside, with hose 0,5 m, with manual connection

	No. 20134-003
= 1	
i 30134-008	

Pressure reducer with sensor for APC 2/APC 3



	No. 20134-005
= 1	
i 30134-008	Japan

Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to ISO 5145 $\ensuremath{\text{n}^{\circ}\text{4}},$ with hose 0.75 m

	No. 20134-007
= 1	
① i D130245	France

Pressure reducer without sensor for APC 300, with manual connection



gas cylinder connector to ISO 5145 n°4, with hose 0,75 m

	No. 20132-078
= 1	
	France
1 D130245	Flance

Connecting tube for central gas supply, APC 2/APC 3, APC 300, length 1 \mbox{m}



	No. 20132-085
= 1	

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Legend

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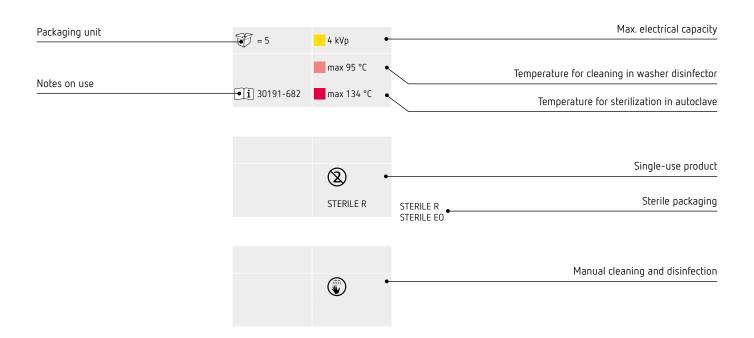
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Contents

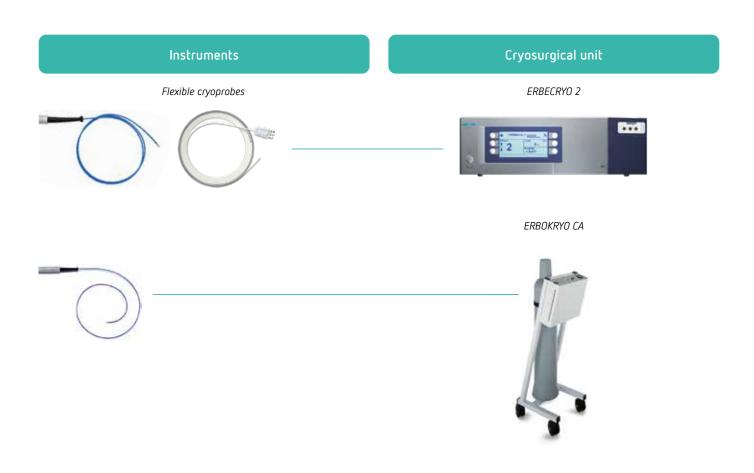
Cryosurgery

Instruments and accessories

- 04 Gas bottle adapter CO₂
- O5 Flexible cryoprobes for ERBECRYO 2, single-use
- 06 Flexible cryoprobes for ERBECRYO 2, reusable
- 07 Accessories for ERBECRYO 2

- 09 Cryoprobes for ERBOKRYO CA
- Accessories for ERBOKRYO CA/ERBOKRYO AE

Overview



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Gas bottle adapter CO₂

Country-specific gas cylinder connectors

Code letter		E		F	G	Н	1
Thread type / Country	W 2.8 x 1/14"	W 21.7 x 1/14"	0.860" x 14 TPI	0.830"-14 NGO	G 3/4"	Pin Index	W 27 x 2 mm
Standard	Whitworth thread DIN 477 no. 9 (ø x pitch)	French standard for gases NFE 29-650	B. S. 341 British standard Threads per inch = pitch in threads/inch	CGA no. 320 Compressed Gas Association National Gas Outlet Straight Threads (ø x pitch)	British Whitworth pipe thread DIN ISO 228-1 (ø in inches)	Kodierung 1&6 DIN EN ISO 407	ISO 5145 no. 17
Gas bottle adapter		20410-003		20402-060	20410-016	20410-011	20402-061
Switch valve for connecting two gas cylinder adapters				20402-052			
	Austria Belarus Belgium Bulgaria China ex. Yugoslavia Finland Germany Greece Hungary Israel Korea Poland Russia Sweden Ukraine	Algeria Angola Belarus Ethiopia France Guinea Lebanon Morocco Portugal Russia Somalia Spain Swiss Syria Tunisia Ukraine	Australia Brunei Ecuador Egypt Hongkong India Indonesia Iraq Ireland Jordan Kenya Kuwait Liberia Libya Malaysia Malta New Zealand Nigeria Pakistan Saudi Arabia Singapore South Africa Sri Lanka UAE Vietnam Yemen	Argentina Bolivia Brazil Costa Rica Guatemala Mexico Peru Thailand	Belarus Czech Republic Egypt Russia Slovakia Ukraine Venezuela	Canada Cuba France Great Britain The Netherlands USA Venezuela	Denmark Finland Iceland Italy Norway Sweden

Cryoprobes for ERBECRYO 2

Flexible cryoprobe, single-use, ø 1.1 mm, length 1150 mm, with oversheath, length 817 mm

with oversheath ø 2.6 mm, length 817 mm



	No. 20402-401
= 5	
	2
i 30402-406	STERILE EO

Flexible cryoprobe, single-use, ø 1.1 mm, length 1150 mm with oversheath, length 757 mm

with oversheath ø 2.6 mm, length 757 mm



	No. 20402-402
= 5	
	2
i 30402-406	STERILE EO

Flexible cryoprobe, single-use, ø 1.7 mm, length 1150 mm



	No. 20402-410
= 5	
	2
i 30402-406	STERILE EO

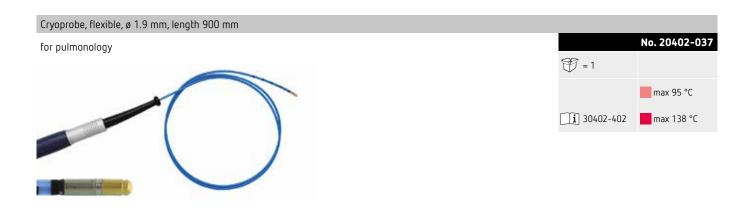
Flexible cryoprobe, single-use, ø 2.4 mm, length 1150 mm

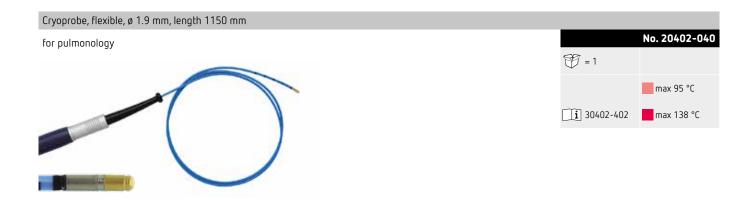


	No. 20402-411
= 5	
	2
i 30402-406	STERILE EO

Cryoprobes for ERBECRYO 2

Cryoprobe, flexible, ø 2.4 mm, length 900 mm For pulmonology No. 20402-032 = 1 max 95 °C max 138 °C





Accessories for ERBECRYO 2

One-pedal foot switch for ERBECRYO 2, AP & IP X8 equipment



	No. 20402-200
= 1	
	max 75 °C
i 30402-231	

Extension cable for ERBECRYO 2 footswitch, length 0.4 m



	No. 20402-202
= 1	

ERBECRYO 2 Cart





Wire basket, 339 x 100/155 x 205 mm (W x H x D)



	No. 20180-010
= 1	

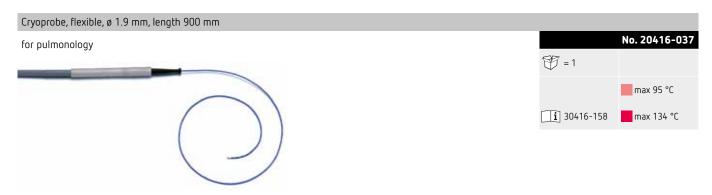
07

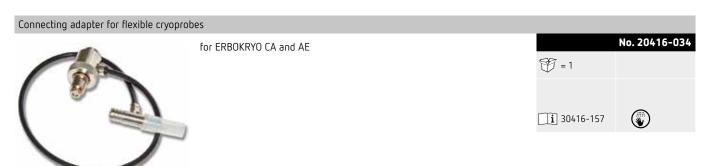
Accessories for ERBECRYO 2

Accessories for ERBECRYO 2	
Gas hose for ERBOKRYO CA / ERBOKRYO AE / ERBECRYO 2, length 1 m	20410-004
Gas hose for ERBOKRYO CA / ERBOKRYO AE / ERBECRYO 2, length 0.7 m	20448-000
Gas bottle adapter E, CO ₂ , W 21.8 x 1/14" / W 21.7 x 1/14" / 0.860" x 14 TPI	20410-003
Gas bottle adapter F, CO ₂ , 0.830"-14 NGO	20402-060
Gas bottle adapter G, CO ₂ , G 3/4"	20410-016
Gas bottle adapter H, CO ₂ , Pin Index	20410-011
Gas bottle adapter I, CO ₂ , W 27 x 2 mm	
Switching valve, CO ₂	20402-052
Exhaust gas hose for ERBECRYO 2, length 5 m Inner diameter 13 mm, outer diameter 18 mm	20402-007
Exhaust gas hose for ERBECRYO 2, length 10 m Inner diameter 13 mm, outer diameter 18 mm	20402-008

Cryoprobes for ERBOKRYO CA







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Accessories for ERBOKRYO CA / ERBOKRYO AE

Accessories for ERBOKRYO CA / ERBOKRYO AE	No.	
One-pedal foot switch, explosion-protected		
One-pedal foot switch, not explosion-protected	20711-009	
Gas hose for ERBOKRYO CA / ERBOKRYO AE / ERBECRYO 2, length 0.7 m	20448-000	
Gas hose for ERBOKRYO CA / ERBOKRYO AE / ERBECRYO 2, length 1 m	20410-004	
Gas filter for CO ₂ (Germany)	20410-010	
Gas filter for CO ₂ , CIS, G 3/4"	20410-017	
Gas filter, N ₂ O, R 3/8"	20410-006	
Filter cartridges for gas filter N ₂ 0 R 3/8"	20410-008	
Gas bottle adapter E, CO ₂ , W 21.8 x 1/14" / W 21.7 x 1/14" / 0.860" x 14 TPI		
Gas bottle adapter F, CO ₂ , 0.830"-14 NGO		
Gas bottle adapter G, CO ₂ , G 3/4"		
Gas bottle adapter H, CO ₂ , Pin Index		
Gas bottle adapter I, CO ₂ , W 27 x 2 mm		
Gas bottle adapter, N ₂ O, R 3/8"		
Gas bottle adapter, N ₂ 0, 11/16" x 20		
Gas bottle adapter, N ₂ O, Pin Index	20410-005	
Gas bottle adapter, N ₂ O, M 22 x 1.5	20410-013	
Gas bottle adapter, N ₂ O, G 1/2"	20410-014	
Gas bottle adapter, N ₂ O, M 26 x 1.5	20410-037	



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Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany

Phone +49 7071 755-0 info@erbe-med.com erbe-med.com medical-videos.com





85100-170





Legend

Important notes

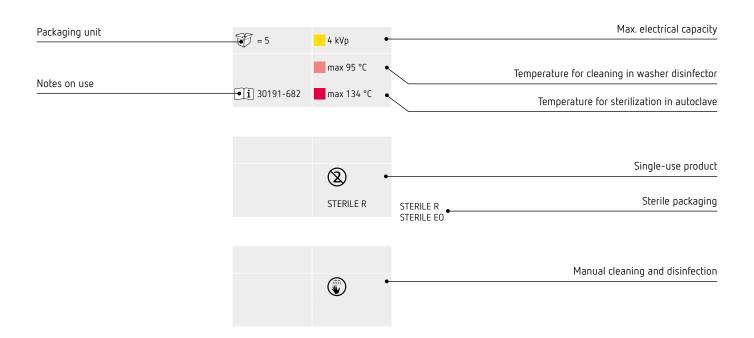
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Further product information



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

Contents

Hydrosurgery

Instruments and accessories

U	14	Hybrid	instruments

06 Applicators and probes

08 Accessories for ERBEJET 2

09 Accessories for ESM 2

11 Carts and accessories

Overview

Applicator

Generation of pressure



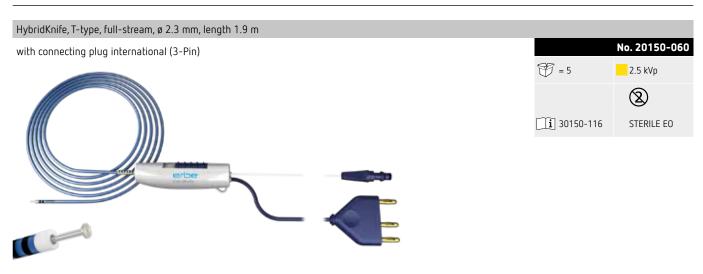
Activation

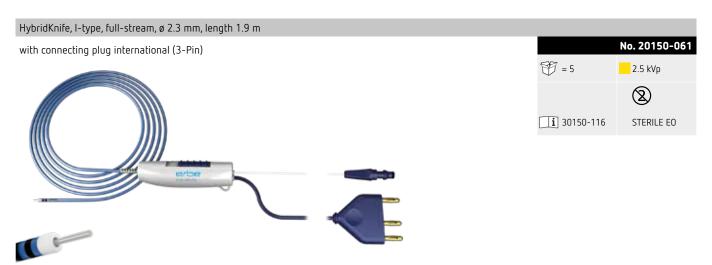


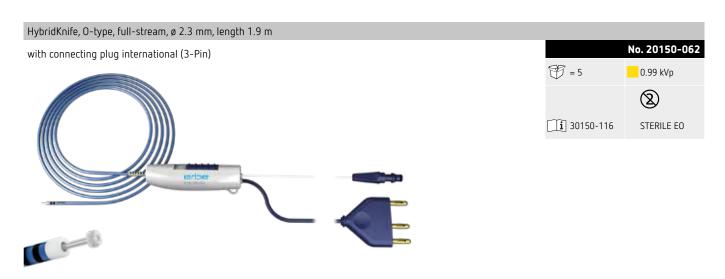
Workstation



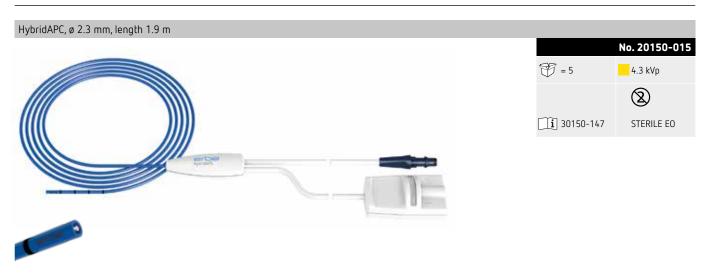
Hybrid instruments

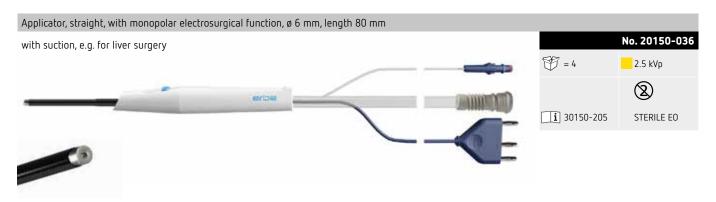




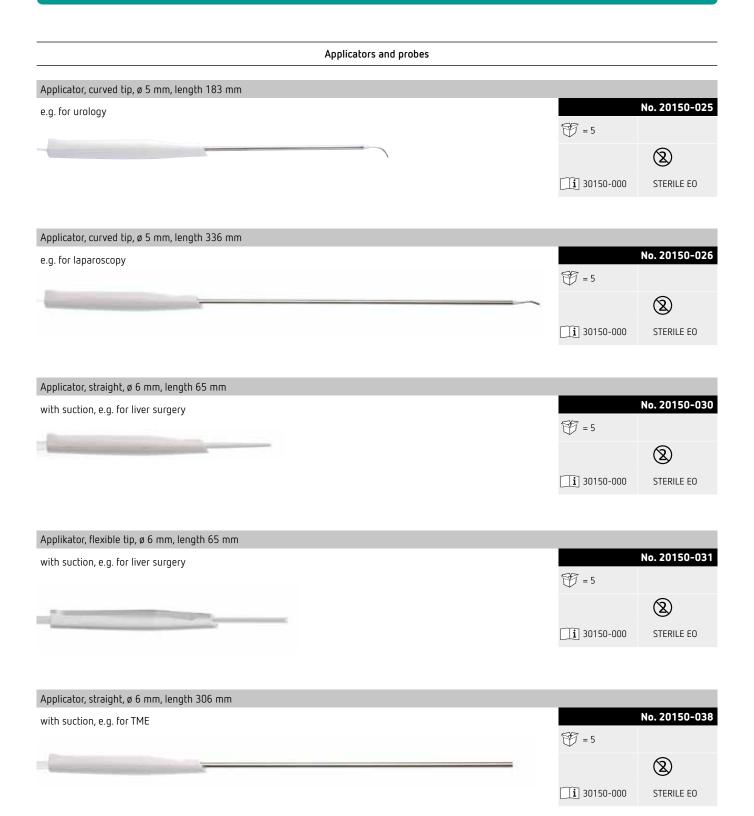


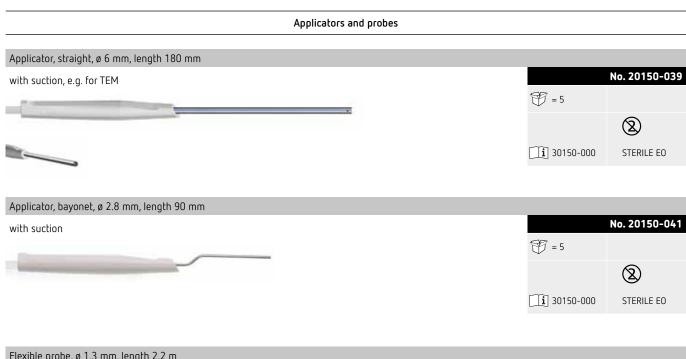
Hybrid instruments





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Accessories for ERBEJET 2

Pump (single-use)



	No. 20150-300
= 5	
	2
i 30150-055	EO

Pump cartridge plus for ERBEJET 2



	No. 20150-301
= 5	
	2
i 30150-400	STERILE EO

ERBEJET 2 one-pedal foot switch with ReMode, AP & IP X8 equipment



	No. 20150-101
= 1	
	max 75 °C
i 30150-100	

ERBEJET 2 two-pedal foot switch with ReMode, AP & IP X8 equipment





Further accessories for foot switches	Piece	No.
Hoop guard for VIO two-pedal foot switch	1	20189-306
Cable for ERBEJET 2 foot switch, length 5 m	1	20150-104

Power cord	Country	Length	Piece	No.
Power cord 10A	Germany	0.5 m	1	51704-046
Power cord 10A	Germany	2.5 m	1	51704-037
Power cord 10A	Germany	4 m	1	51704-032
Power cord 10A	Germany	5 m	1	51704-042
Power cord 10A	Great Britain	2.5 m	1	51704-038
Power cord 10A	Great Britain	5 m	1	51704-043
Power cord 10A	Italy	2.5 m	1	51704-040
Power cord 10A	Italy	5 m	1	51704-045
Power cord 10A	Canada	4 m	1	51704-039
Power cord 10A	India	4 m	1	20128-004

Accessories for ESM 2

Suction container, 1.5 liters



for use with suction bag 20340-012

	No. 20340-102
= 1	

Suction bag, 1.5 liters



for use with suction container 20340-102

	No. 20340-012
= 30	
	2

Suction bag, 2.5 liters



for use with suction container 20340-103

	No. 20340-013
= 30	
	2

09

Accessories for ESM 2

ESM membrane filter

for use with silicone hose 20340-004

	No. 20340-100
= 10	
	2

Silicone hose, length 600 mm



	No. 20340-004
= 1	
	max 95 °C
	max 134 °C

Rail bracket, plastic



for use with suction container 20340-102 and 20340-103

	No. 20340-002
= 1	
	max 95 °C
	max 134 °C

Switching valve, rail bracket and 2 silicone hoses, length 300 mm



	No. 20340-003
= 1	
	max 95 °C
	max 134 °C

Connecting cable	No.
ECB connecting cable for ERBEJET 2, length 0.45 m	51709-008

Fastening set	No.
Fastening set EIP 2 / ESM 2 to VIO CART 20180-000	20180-135

Carts and accessories

VIO CART, system carrier for VIO family and modules



dimensions: 630 x 940 x 650 mm (WxHxD)

weight: 31 kg

- 4 conductive castors ø 100 mm, with fixing brake
- 1 power input
- 3 power outlets

incl. following accessories:

- 1 grab handle out of stainless steel
- 2 cable holders
- 1 foot switch bracket (for currently available foot switches)



Hook for irrigation liquid bag on bracket / VIO Cart



	No. 20325-002
= 1	
	max 95 °C
	max 134 °C

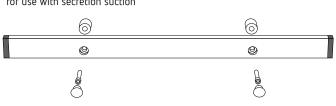
Upper bracket for VIO CART, length 260 mm





Lower bracket for VIO CART, length 390 mm

for use with secretion suction





11

Fastening sets	No.
Fastening set VIO D/S / APC 2 / NT 2 / VEM 2 / ERBEJET 2 on VIO CART 20180-000	20180-131
Fastening set EIP 2 / ESM 2 to VIO CART 20180-000	20180-135
Fastening set on ERBEJET 2, connection to VIO / APC 2 / VEM 2 / NT 2	20150-050

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Units and modules



Legend

Important notes

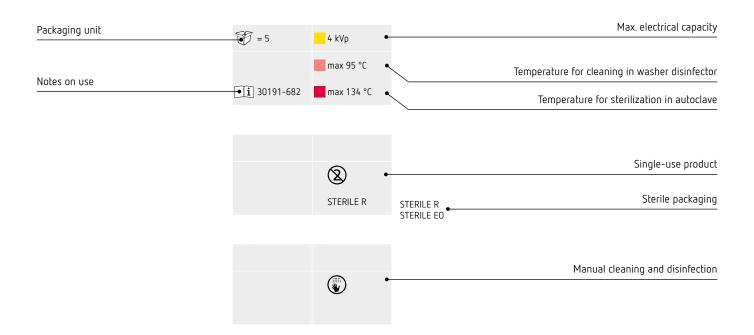
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Units and modules

Electrosurgery Plasmasurgery 04 13 VIO® 3 and socket modules Modules 05 VIO® D, S, C and socket modules Hydrosurgery 09 Modes and Upgrades for VIO® D, S, C 10 Application areas 14 Units and modules 11 Modules

Cryosurgery

Units

15

VIO® 3
VIO® 300/200 D
VIO® 300/200 S
VIO® 100/50 C

IES 3
IES 2
EIP 2
VEM 2

ERBEJET® 2
ESM 2

ERBECRYO® 2

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03

VI0® 3

VI0® 3

VIO $^{\circ}$ 3 is yet another of our milestones in technology following VIO $^{\circ}$ 300/200. Take advantage of the progress that using VIO $^{\circ}$ 3 provides you and your patients.

- Logical, convenient and visual operator guidance (stepGUIDE)
- ReMode: Up to 6 different settings selectable from the sterile field
- Reliable, reproducible tissue effects thanks to state-of-the-art processor technology
- Sockets: Easy replacement, connection recommendations, slot assignment



	No. 10160-000
CUT	COAG
autoCUT highCUT dryCUT autoCUT bipolar highCUT bipolar endoCUT Q endoCUT I	preciseSECT swiftCOAG softCOAG forcedCOAG sprayCOAG twinCOAG softCOAG bipolar forcedCOAG bipolar thermoSEAL forcedAPC pulsedAPC
dryCUT autoCUT bipolar highCUT bipolar endoCUT Q	softCOAG forcedCOAG sprayCOAG twinCOAG softCOAG bipolar forcedCOAG bipolar thermoSEAL forcedAPC

Socket modules for VIO® 3

Socket modules	No.
MF-U, as an upgrade kit	20160-005
MF-0, as an upgrade kit	20160-004
MO 3Pin-9/5, as an upgrade kit	20160-001
MO 3Pin-Bovie, as an upgrade kit	20160-002
BI 2Pin 22-28-8/4, as an upgrade kit	20160-003
NE 6 - NE 2Pin, as an upgrade kit	20160-006

VIO® D

VIO® 300 D

In addition to vessel sealing, the high-end unit from the VIO® product range offers all APC modes and all available CUT and COAG modes (either as a standard mode in the unit or as an upgrade)

- Simple and interactive operation using the TFT display
- Automatic power adjustment for all control technologies
- · Variable configuration of socket assignment
- Additional upgrades available for specific medical specialties



No. 10	0140-100
Upgrades	
PRECISE Upgrade - PRECISE CUT - BIPOLAR PRECISE CUT - PRECISE COAG - BIPOLAR PRECISE COAG	29140-217
ENDO CUT Upgrade - ENDO CUT Q - ENDO CUT I	29140-218
TWIN COAG Upgrade - TWIN COAG - Argon TWIN COAG	29140-216
BiClamp Upgrade	29140-214

VIO® 200 D

VIO® electrosurgical unit for endoscopy and other disciplines with all APC modes and other COAG modes for endoscopy, ENDO CUT I and Q as an upgrade

- Simple and interactive operation using the TFT display
- Automatic power adjustment for all control technologies
- · Variable configuration of socket assignment
- Additional upgrades available for specific medical specialties



No. 10	0140-200
Upgrades	
PRECISE Upgrade - PRECISE CUT - BIPOLAR PRECISE CUT - PRECISE COAG - BIPOLAR PRECISE COAG	29140-217
ENDO CUT Upgrade - ENDO CUT Q - ENDO CUT I	29140-218
DRY CUT Upgrade - DRY CUT - Argon DRY CUT	29140-215

05

VIO® D

VIO® 300 S

Universal VIO $^{\circ}$ electrosurgical unit based on different variants. For many surgical specialities with the most important CUT and COAG modes as well as FORCED APC, with optional ENDO CUT I and Q

- · Direct operation using the segment display
- Automatic power adjustment for all control technologies
- · Variable configuration of socket assignment



No. 1	0140-300
Upgrades	
ENDO CUT Upgrade - ENDO CUT Q - ENDO CUT I	29140-218
TWIN COAG Upgrade - TWIN COAG - Argon TWIN COAG	29140-216

VIO® 200 S

 VIO° electrosurgical unit for many electrosurgical procedures and for specialist medical practices with the most important CUT and COAG modes as well as FORCED APC, with optional ENDO CUT I and Q

- Direct operation using the segment display
- Automatic power adjustment for all control technologies
- · Variable configuration of socket assignment



VIO® C

VIO® 100 C

 $VI0^{\circ}$ compact electrosurgical unit for use in surgical practice with the most important CUT and COAG modes (100 watt unit)

No. 10140-500

- · Direct operation using the segment display
- Monopolar cutting
- Monopolar and bipolar coagulation



VIO® 50 C

 $VI0^{\circ}$ compact electrosurgical unit for use in surgical practice with the most important CUT and COAG modes (50 watt unit)

No. 10140-550

07

- Direct operation using the segment display
- Monopolar cutting
- Monopolar and bipolar coagulation



Socket modules for VIO® D, S and C

Bipolar sockets (BI)	No.
2Pin-22-28-8/4 mm	20140-613

Monopolar sockets (MO)	No.
3Pin-Bovie	20140-622
3Pin-9/5 mm	20140-623

Multifunctional socket (MF) for VIO® 300 D only	No.
multifunctional	20140-630

Neutral electrode sockets (NE)	No.
6 mm-2Pin	20140-642

Socket modularity						
	VIO® 300 D	VI0® 200 D	VI0® 300 S	VI0® 200 S	VIO® 100 C	VI0 [®] 50 C
Slot 1	ВІ	BI	BI	BI	ВІ	BI
Slot 2	MO, BI, MF	MO, BI	M0	MO	MO	M0
Slot 3	M0, MF	MO	MO	MO	-	-
Slot 4	NE	NE	NE	NE	NE	NE

Modes and Upgrades for VIO® D, S, C

CUT	VIO® 300 D	VIO® 200 D	VI0® 300 S	VI0® 200 S	VIO® 50/100 C
AUTO CUT					*
HIGH CUT		-	0	-	-
DRY CUT			0	-	*
DRY CUT°		-	0	-	-
BIPOLAR CUT			0	-	-
BIPOLAR CUT +		-	-	-	-
BIPOLAR CUT ++		-	-	-	-
PRECISE CUT			-	-	-
BIPOLAR PRECISE CUT			-	-	-
ENDO CUT Q					-
ENDO CUT I					-
ARGON AUTO CUT					-
ARGON HIGH CUT		-	0	_	_
ARGON DRY CUT			0	_	_
ARGON DRY CUT°		-	0	_	_

COAG	VIO® 300 D	VIO® 200 D	VIO® 300 S	VI0® 200 S	VIO® 50/100 C
SOFT COAG			0		*
SWIFT COAG			0	-	-
SWIFT COAG°		-	0	-	_
CLASSIC COAG		-			_
FORCED COAG			0		*
SPRAY COAG		-		-	_
BIPOLAR SOFT COAG					*
BIPOLAR SOFT COAG +		-	-	_	-
BIPOLAR SOFT COAG ++		-	-		_
BIPOLAR FORCED COAG			-	-	-
PRECISE COAG			-	-	-
BIPOLAR PRECISE COAG			-	-	-
TWIN COAG		-		_	_
BICLAMP		-	_	_	_
FORCED APC					-
PRECISE APC			-	_	-
PULSED APC			_	_	-
ARGON SOFT COAG			0		_
ARGON SWIFT COAG			0	-	-
ARGON SWIFT COAG°		-	0	_	-
ARGON FORCED COAG			0		-
ARGON TWIN COAG		-		_	-

Application areas

	VI0® 3	VIO® 300 D	VI0® 200 D	VIO® 300 S	VI0® 200 S	VIO® 50/100 C
Gynecology			-		-	
Urology			-		-	
General surgery			-		-	
Gastroenterology / Endoscopy						-
Pulmonology						-
ENT			-		-	•
Orthopedics			-		-	•
Dermatology			-	-		
OMS					-	
Ophthalmology	-	-	-	-		

For practices in hospitals and outpatient operations

Clinics/Practices

Legend:

- strongly recommended □ recommended

Modules

IES 3 Smoke evacuation unit, 100 – 240 V AC (± 10 %), without main filter cartridge

- Protection through ULPA-15 filter
- Good response, quiet operation
- Extended range of applications
- Flexible activation

The main filter cartridge is not included in the scope of delivery.

No. 10323-000



Main filter cartridge IES 3 with connection ø 22 mm



	No. 20323-000
= 1	
	2
i 80114-801	

IES 2, smoke plume evacuation

Smoke plume evacuation with high suction capacity

- Manual activation, using footswitch or automatically for electrosurgical activation
- Variable assignment of suction programs
- Programmable values for CUT or COAG suction
- · Basic suction and suction with run-on time
- · Long filter operating time

No. 10322-000

11



Modules

EIP 2, irrigation pump for endoscopic procedures

Endoscopic irrigation pump for irrigating the target tissue

No. 10325-000

- Activation via footswitch or via the user interface on the unit
- 3 quick access options for irrigation level (30 %, 50 % and 80 % irrigation)
- Values can be changed individually and quickly
- · Additional irrigation catheter often not required



VEM 2, VIO® extension module

Additional module for extended VIO® socket assignment

No. 10141-000

- 2 additional sockets can be connected to the $\text{VIO}^{\text{@}}$ electrosurgical unit
- · As a result, more flexibility in selecting socket assignment

only for VIO® D/S



Plasmasurgery

Modules

APC 3

The benefits of the logical and intuitive VIO® 3 interface are now also available with APC 3. As your stepGUIDE, the interface guides you through each menu, suggesting experienced starting settings for APC applications.

- All APC modes are integrated into the VIO® 3: pulsedAPC®, forcedAPC and preciseAPC®
- The APC socket your connection for APC filtered instruments
- Besides the APC socket, an additional multifunctional socket is provided for further instruments. For the first time, this allows you to connect and use up to 6 instruments as required for your procedure.

only for VIO® 3



APC 2

Effective coagulation of bleeding, as well as devitalization of changes in tissue

No. 10134-000

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No. 10135-000

- \cdot 3 APC modes: FORCED APC, PRECISE APC, PULSED APC (see table on page 9)
- Non-contact procedure, instrument tips cannot become clogged
- Even effects with coagulation and devitalization
- Good dosage accuracy, resulting in greater safety during application
- Low risk of perforation
- · Argon-supported cutting
- Minimum carbonization, minimum development of smoke plume, good visibility of the target area

only for VIO® D/S



Hydrosurgery

Units and modules

ERBEJET® 2

Selective dissection of tissue, layer-specific elevation of tissue layers

No. 10150-000

- Basic module for hybrid technology
- Applications include general or abdominal surgery, gastroenterology, urology
- Protects blood vessels, nerves and organs
- · High degree of tissue selectivity enables exposure and dissection of tissue layers
- Minimized bleeding, controlled management of bleeding



ESM 2, suction module

Suction module for the waterjet surgery unit (ERBEJET 2)

- Individual or automatic suction for waterjet application
- · Clear view of the target operating area





Units

ERBECRYO® 2

Cryosurgical unit for cryobiopsy, recanalization and cryo-devitalization

No. 10402-000

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- Application with flexible cryoprobes
- Superior tissue samples in terms of quality and quantity No crush artifacts or hemorrhages

- High diagnostic weighting Supports endobronchial and transbronchial biopsy Coolant: carbon dioxide (CO₂)



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We have prepared this document with care. Nonetheless, we cannot completely rule out errors in this document.

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Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany Phone +49 7071 755-0 Fax +49 7071 755-179 info@erbe-med.com erbe-med.com