# HF-Surgery

## PRODUCT CATALOGUE

Including Batery Cauteries

PROMECON

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**High-frequency surgery**

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**High-frequency surgery**

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# Our product brands

## ActiLine

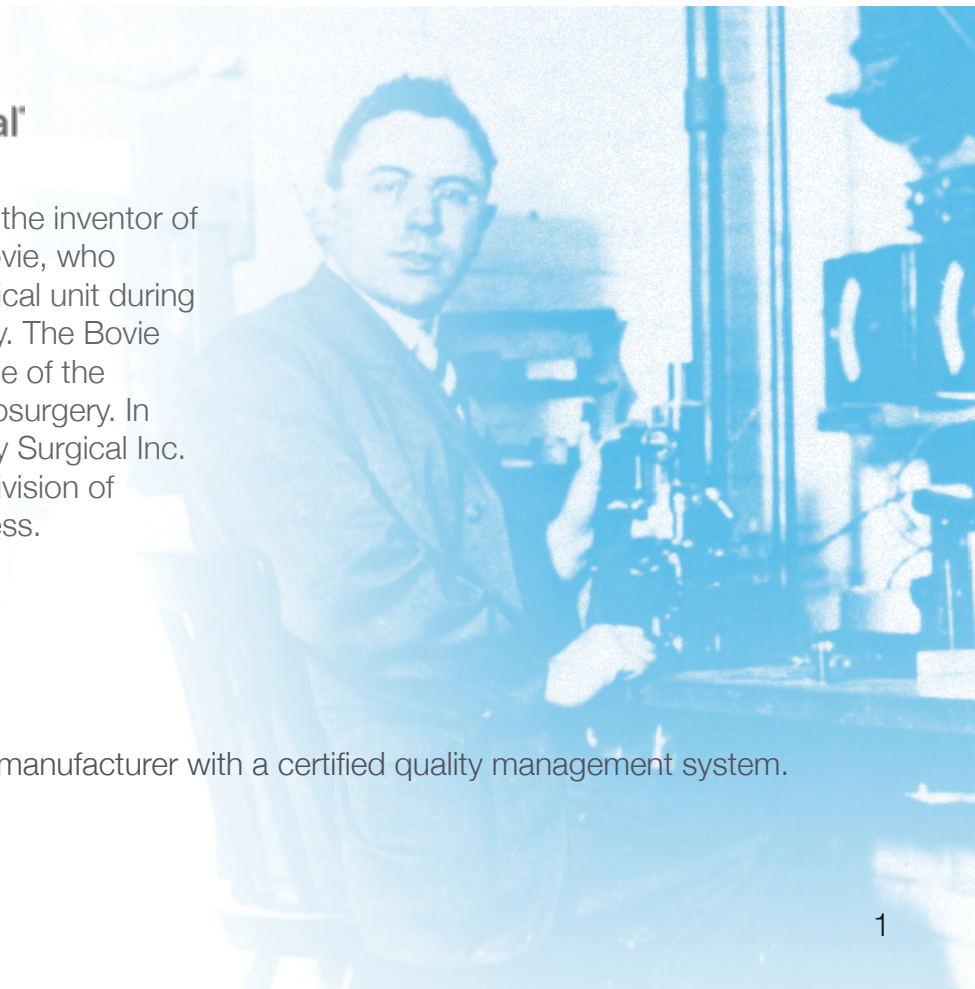
Promecon manufactures an extensive wide range of single-use monopolar electrodes of particularly high quality under its premium brand ActiLine. To these we added complementary products such as highest quality electrode pencils and neutral electrodes not manufactured by Promecon.

However, we have remained true to our traditional programm and continue to supply the corresponding programm from Bovie, which is now renamed to symmetry surgical.

Bovie

symmetry surgical

Bovie is the founding brand of the inventor of electrosurgery Dr William T. Bovie, who developed the first electrosurgical unit during his tenure at Harvard University. The Bovie Medical Corporation is now one of the leading global brands in electrosurgery. In the summer of 2018 Symmetry Surgical Inc. took over the electrosurgical division of Bovie to further expand business.



Promecon is a medical device manufacturer with a certified quality management system. (ISO 13485:2016).

# **ActiLine** EcoGrip

Single-use electrode pencil

- Work without tiredness
  - slim form
  - ergonomic position of buttons
  - non-slip surface on the back
- Distinct tactile and audible clicking of the CUT and COAG buttons with defined pressure point
- Rotation-free work with 2.35 mm / 2.4 mm standard electrodes with or without anti-rotation hex lock
- Compatible with all common HF surgery equipments
- Fulfils highest E uropean and international safety standards

## Also available with smoke evacuation: **ActiLine** Clip-on

Please refer to page 4

# ActiLine EcoGrip

Single-use electrode pencil

## Specifications

- Suitable for monopolar electrodes with 2.35 mm / 2.4 mm shaft with or without hex lock
- Single-use blade electrode with injection moulded pencil and anti-rotation hex lock
- International, triple standard plug (adapters for other systems available)
- Norms (i.a.): IEC60601-1-1:2005+A1:2012 and IEC60601-2-2:2009

## ActiLine N

| Item No. | Electrode | max. voltage | Cable length | SU* |
|---|---|---|---|---|
| HF.12.500.100 | Blade electrode 19.0 x 2.35 x 0.5 mm | 2.9 kVp (5.8 kVp-p) | 5m | 4 x 20 pcs. |

*: Single, sterile packaging

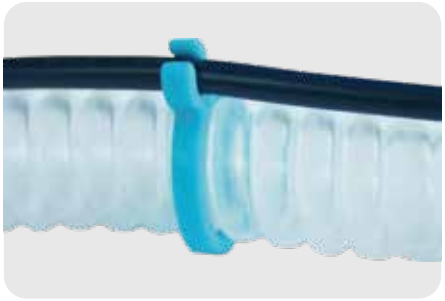
Reusable electrode pencils from **ActiLine** and Bovie, as well as reusable electrodes on request.

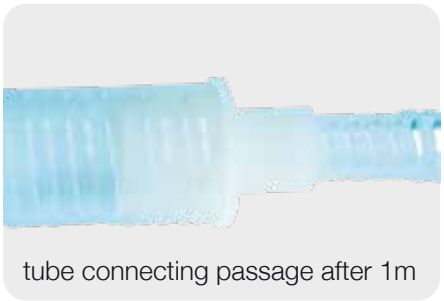
# **ActiLine** Clip-on

**ActiLine** smoke evacuation system for **ActiLine** EcoGrip HF pencil

## **ActiLine** EcoGrip **pencil with** Clip-on

- Evacuates smoke efficiently and reliably right at the source
- Protects medical staff from inhalation of toxic and carcinogenic fumes
- Allows clear view on the operation site
- Attachable and detachable with only one „click“
- Can be held separately by assistant





tube connecting passage after 1m

## **ActiLine** Clip-on

Suitable for all devices with a 22 mm connection

| Item No. | ActiLine Clip-on | SU* |
|---|---|---|
| HF.99.000.001 | total length 3 m<br>Ø 10 mm x 1 m and<br>Ø 22 mm x 2 m<br>includes pencil with<br>blade eletrode | 12 pcs. |
| HF.99.000.001<br>\| W.O.\| W.O. | includes pencil with<br>PTFE coated blade<br>eletrode | 12 pcs. |

*: sterile, packed individually

# HF adapter

Accessories HF surgery

## For Erbe HF devices

Reusable HF adapter for connecting monopolar HF pencils with an international 3-pin connector. Compatible with Erbe ACC / Erbe ICC generators.

Non-sterile, reusable product, packed individually.
SU: 1 pc.
Item No.: HF.99.100.000

ERBE generator

## For Erbe HF devices

Reusable HF adapter for connecting monopolar HF pencils with an international 3-pin connector. Compatible with Erbe T-Series generators.

Non-sterile, reusable product, packed individually.
SU: 1 pc.
Item No.: HF.99.100.000

## For Martin / Berchtold HF devices

Reusable HF adapter for connecting monopolar HF handles with an international 3-pin connector. Compatible with Martin / Berchtold generators.

Non-sterile, reusable product, packed individually.
SU: 1 pc.
Item No.: HF.99.100.001

Martin generator

# Bovie Smoke Shark II

Bovie Smoke evacuation with *long life* filter

*long life* filter

## OR smoke evacuation Smoke Shark II

- Easy weight, very quiet and compact
- Protects medical staff from inhalation of toxic and carcinogenic fumes
- 4-step filtration in one case (prefilter, ULPA, carbon, afterfilter)
- Filter offers up to 35 hours performance
- Suitable for all common tube sizes

## Technical specifications Smoke Shark II

| Height | Width | Depth | Weight | Volt | Frequency | Noise level |
|---|---|---|---|---|---|---|
| 12.2 cm | 27.9 cm | 39.4 cm | 4.3 Kg | 250 VAC | 50-60 Hz | 55.0 dBA (maximum) |

Tube connections: 6.4 mm, 9.5 mm and 22 mm

## other accessories

- o e.g. remote switch activator (BO.RG99.SERS2)
- o replacement filter (BO.RG99.SF35)

Standard setup contains:
1x Smoke Shark II smoke evacuation (BO.RG10.SE02-220)
1x 35-hr. filter (BO.RG99.SF35)
1x pneumatic footswitch (BO.RG99.FSSEP)

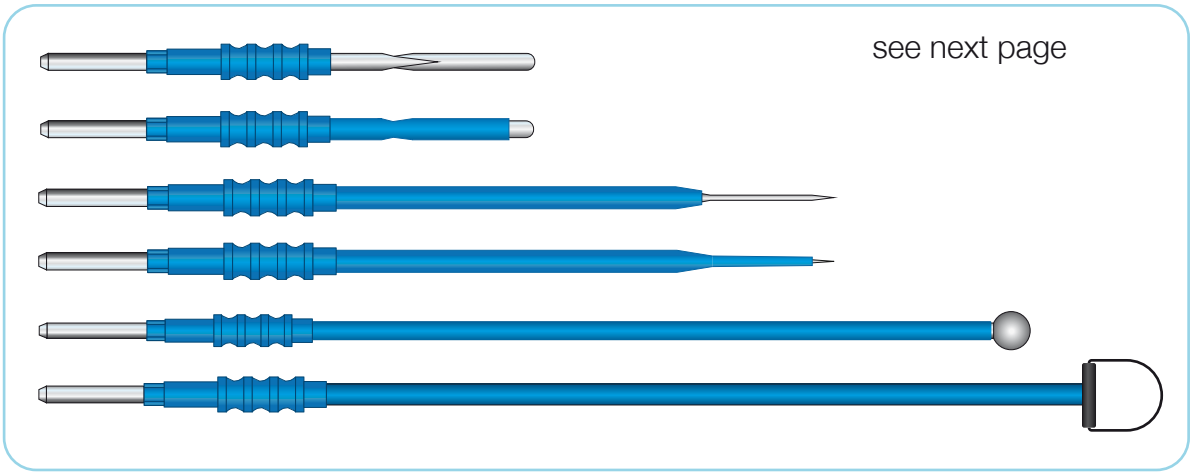
Item No.: BO.RG10.SE02-220

# *ActiLine* HF electrodes

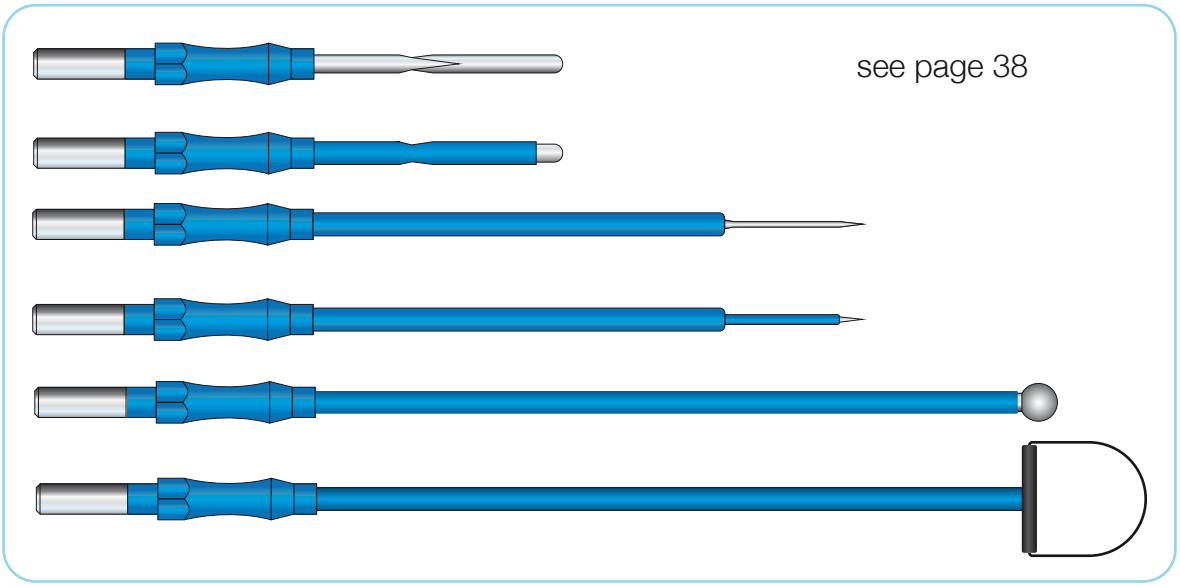
***ActiLine*** monopolar single-use electrodes with 2.4 mm and 4.0 mm shaft diameter

## ***ActiLine*** blade, knife, ball, needle and LLETZ electrodes with ø 2.4 mm shaft

All electrodes with a hex lock are marked with the symbol „ ⬡ “ on the table.
For a better grip balance, some long electrodes have the handle connector more distally and therefore no hex lock.

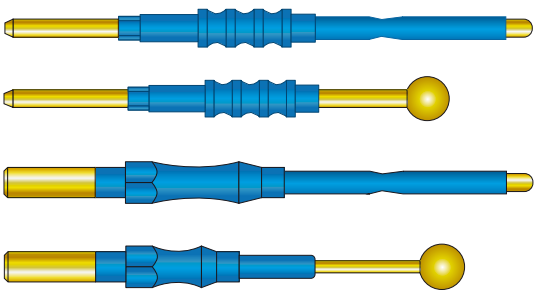

see next page

## ***ActiLine*** blade, knife, ball, needle and LLETZ electrodes with ø 4.0 mm shaft


see page 38

***ActiLine*** blade, knife, ball and needle electrodes are also available with a non-stick titanium coating. As a result they glide easily and smoothly through tissue because they do not build up scab. Can be used in all surgical applications.

NON-STICK
TITANIUM COATING



# Monopolar HF electrodes

**ActiLine** single-use blade electrodes with ø 2.4 mm and ø 4.0 mm shaft

Ribbed injection-moulded handle facilitates changes even in wet conditions

## blade electrode - short

max. electrical capacity 4.3 kVp

Fig. uncoated

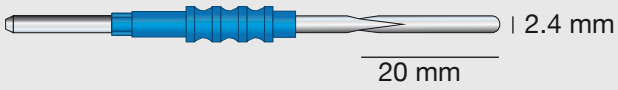
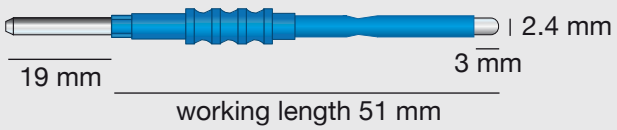



Fig. insulated




| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| uncoated | ME201.070S20 | 70 mm | 51 mm | 10 pcs. |
| insulated | ME201.070S03 | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME201.070SN20 | 70 mm | 51 mm | 10 pcs. |
| insulated, Titanium coated | ME201.070SN03 | 70 mm | 51 mm | 10 pcs. |

## blade electrode - medium

max. electrical capacity 4.3 kVp

Fig. uncoated

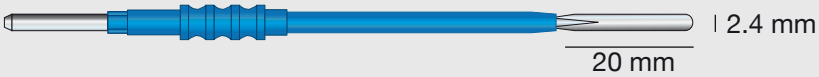
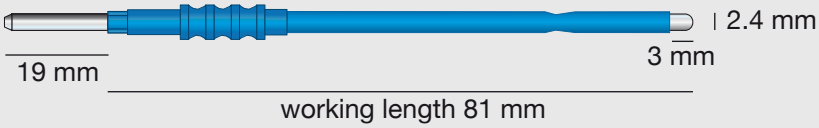



Fig. insulated




All 2.4 mm blade electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME201.070S20 (ø 2.4 mm shaft)
ME4201.070S20 (ø 4.0 mm shaft)

| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| uncoated | ME201.100S20 | 100 mm | 81 mm | 10 pcs. |
| insulated | ME201.100S03 | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME201.100SN20 | 100 mm | 81 mm | 10 pcs. |
| insulated, Titanium coated | ME201.100SN03 | 100 mm | 81 mm | 10 pcs. |

# Monopolar HF electrodes

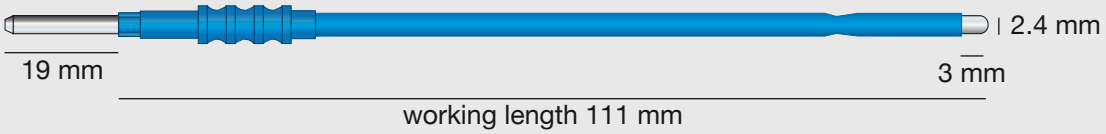
***ActiLine*** single-use blade electrodes with ø 2.4 mm and ø 4.0 mm shaft

## blade electrode - long

max. electrical capacity 4.3 kVp

Fig. uncoated

Fig. insulated




| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| uncoated | ME201.130S20 | 130 mm | 111 mm | 10 pcs. |
| insulated | ME201.130S03 | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME201.130SN20 | 130 mm | 111 mm | 10 pcs. |
| insulated, Titanium coated | ME201.130SN03 | 130 mm | 111 mm | 10 pcs. |

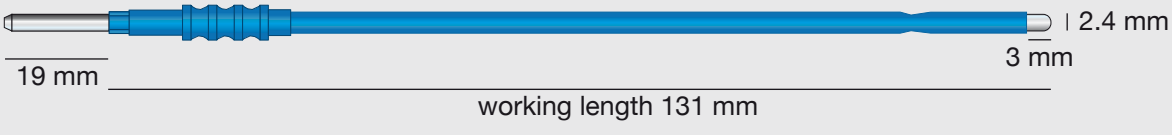
All 2.4 mm blade electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME201.130S20 (ø 2.4 mm shaft)
ME4201.130S20 (ø 4.0 mm shaft)

## blade electrode - extra long

max. electrical capacity 4.3 kVp

Fig. uncoated

Fig. insulated




| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| uncoated | ME201.150S20 | 150 mm | 131 mm | 10 pcs. |
| insulated | ME201.150S03 | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME201.150SN20 | 150 mm | 131 mm | 10 pcs. |
| insulated, Titanium coated | ME201.150SN03 | 150 mm | 131 mm | 10 pcs. |

# Monopolar HF electrodes

**ActiLine** single-use blade electrodes with ø 2.4 mm and ø 4.0 mm shaft

## blade electrode - XXL

max. electrical capacity 4.3 kVp

Fig. uncoated

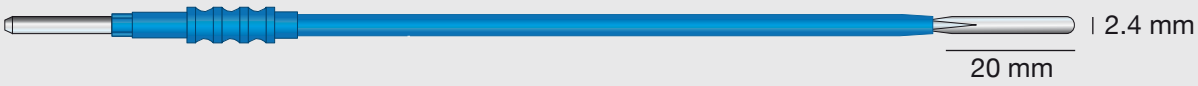
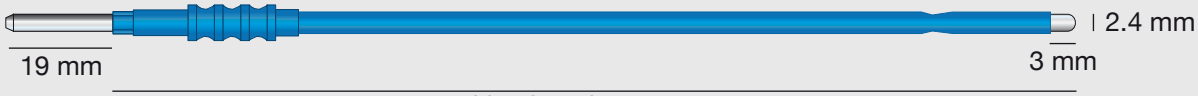



Fig. insulated




working length e.g. 161 mm

All 2.4 mm blade electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME201.200SN20 (ø 2.4 mm shaft)
ME4201.200SN20 (ø 4.0 mm shaft)

| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| uncoated | ME201.180S20 | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME201.200S20 | 200 mm | 181 mm | 10 pcs. |
| uncoated | ME201.230S20 | 230 mm | 211 mm | 10 pcs. |
| Titanium coated | ME201.180SN20 | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME201.200SN20 | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME201.230SN20 | 230 mm | 211 mm | 10 pcs. |
| insulated | ME201.180S03 | 180 mm | 161 mm | 10 pcs. |
| insulated | ME201.200S03 | 200 mm | 181 mm | 10 pcs. |
| insulated | ME201.230S03 | 230 mm | 211 mm | 10 pcs. |
| insulated, Titanium coated | ME201.180SN03 | 180 mm | 161 mm | 10 pcs. |
| insulated, Titanium coated | ME201.200SN03 | 200 mm | 181 mm | 10 pcs. |
| insulated, Titanium coated | ME201.230SN03 | 230 mm | 211 mm | 10 pcs. |

# Monopolar HF electrodes

**ActiLine** single-use blade electrodes with ø 2.4 mm and ø 4.0 mm shaft

## blade electrode - angled

max. electrical capacity 4.3 kVp

Fig. uncoated, angled

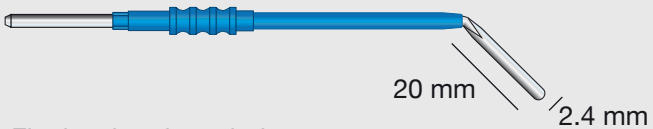
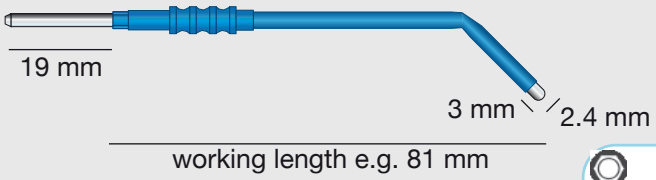



Fig. insulated, angled




All 2.4 mm blade electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME202.200SN20 (ø 2.4 mm shaft)
ME4202.200SN20 (ø 4.0 mm shaft)

| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| uncoated | ME202.070S20 | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME202.100S20 | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME202.130S20 | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME202.150S20 | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME202.180S20 | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME202.200S20 | 200 mm | 181 mm | 10 pcs. |
| uncoated | ME202.230S20 | 230 mm | 211 mm | 10 pcs. |
| Titanium coated | ME202.070SN20 | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME202.100SN20 | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME202.130SN20 | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME202.150SN20 | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME202.180SN20 | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME202.200SN20 | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME202.230SN20 | 230 mm | 211 mm | 10 pcs. |

| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| insulated | ME202.070S03 | 70 mm | 51 mm | 10 pcs. |
| insulated | ME202.100S03 | 100 mm | 81 mm | 10 pcs. |
| insulated | ME202.130S03 | 130 mm | 111 mm | 10 pcs. |
| insulated | ME202.130S03 | 130 mm | 131 mm | 10 pcs. |
| insulated | ME202.180S03 | 180 mm | 161 mm | 10 pcs. |
| insulated | ME202.200S03 | 200 mm | 181 mm | 10 pcs. |
| insulated | ME202.230S03 | 230 mm | 211 mm | 10 pcs. |
| insulated, Titanium coated | ME202.070SN03 | 70 mm | 51 mm | 10 pcs. |
| insulated, Titanium coated | ME202.100SN03 | 100 mm | 81 mm | 10 pcs. |
| insulated, Titanium coated | ME202.130SN03 | 130 mm | 111 mm | 10 pcs. |
| insulated, Titanium coated | ME202.150SN03 | 150 mm | 131 mm | 10 pcs. |
| insulated, Titanium coated | ME202.180SN03 | 180 mm | 161 mm | 10 pcs. |
| insulated, Titanium coated | ME202.200SN03 | 200 mm | 181 mm | 10 pcs. |
| insulated, Titanium coated | ME202.230SN03 | 230 mm | 211 mm | 10 pcs. |

# Monopolar HF electrodes

**ActiLine** single-use knife electrodes with ø 2.4 mm and ø 4.0 mm shaft

## knife electrode - straight

max. electrical capacity 4.3 kVp

Fig. knife electrode, uncoated, ø knife 1.6 mm

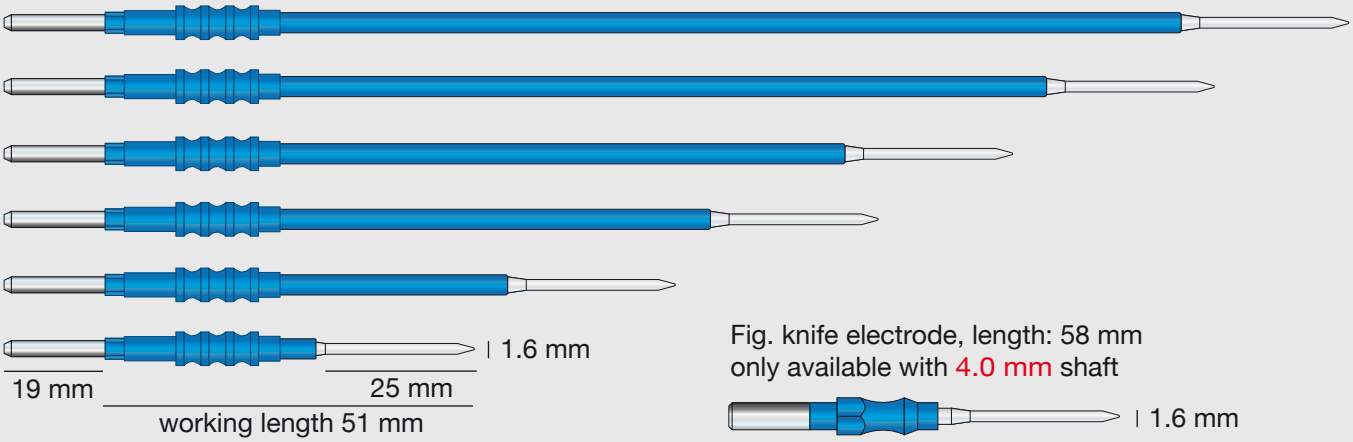



Fig. knife electrode, length: 58 mm
only available with 4.0 mm shaft




All 2.4 mm knife electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME203.100S25 (ø 2.4 mm shaft)
ME4203.100S25 (ø 4.0 mm shaft)
Exception 58 mm, these are only available with 4.0 mm shaft.

| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4203.058S25 | 1.6 mm x 25 mm | 58 mm | - | 10 pcs. |
| uncoated | ME203.070S25 | 1.6 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME203.100S25 | 1.6 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME203.130S25 | 1.6 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME203.150S25 | 1.6 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME203.180S25 | 1.6 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME203.200S25 | 1.6 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME4203.058SN25 | 1.6 mm x 25 mm | 58 mm | - | 10 pcs. |
| Titanium coated | ME203.070SN25 | 1.6 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME203.100SN25 | 1.6 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME203.130SN25 | 1.6 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME203.150SN25 | 1.6 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME203.180SN25 | 1.6 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME203.200SN25 | 1.6 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |

# Monopolar HF electrodes

**ActiLine** single-use knife electrodes with ø 2.4 mm and ø 4.0 mm shaft

## knife electrode - straight

max. electrical capacity 4.3 kVp

Fig. knife electrode, uncoated, ø knife 2.4 mm

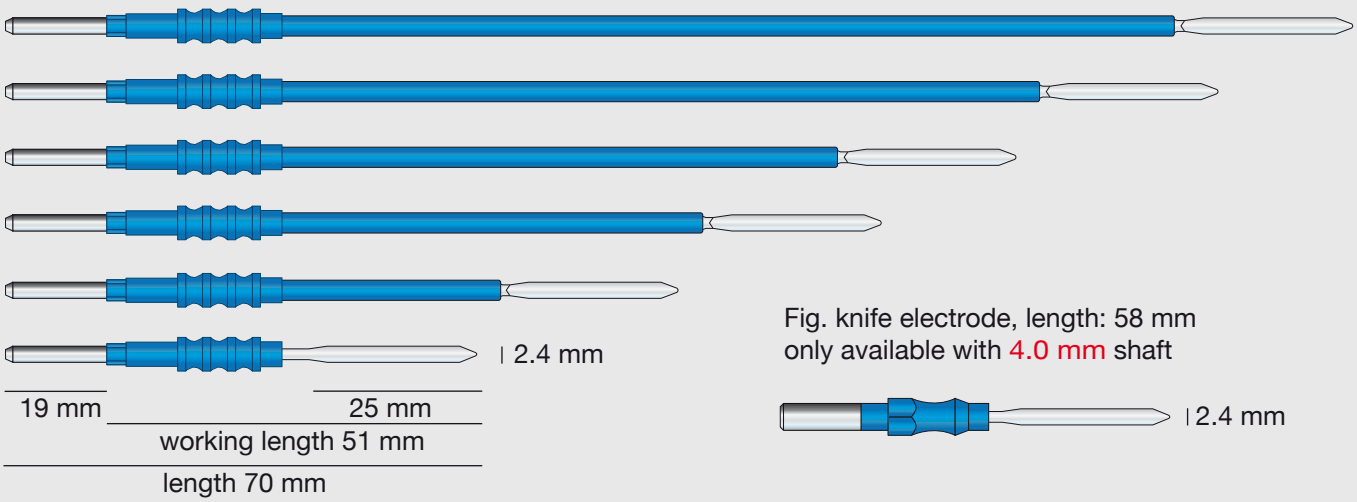



Fig. knife electrode, length: 58 mm
only available with 4.0 mm shaft




| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4204.058S25 | 2.4 mm x 25 mm | 58 mm | - | 10 pcs. |
| uncoated | ME204.070S25 | 2.4 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME204.100S25 | 2.4 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME204.130S25 | 2.4 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME204.150S25 | 2.4 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME204.180S25 | 2.4 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME204.200S25 | 2.4 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME4204.058SN25 | 2.4 mm x 25 mm | 58 mm | - | 10 pcs. |
| Titanium coated | ME204.070SN25 | 2.4 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME204.100SN25 | 2.4 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME204.130SN25 | 2.4 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME204.150SN25 | 2.4 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME204.180SN25 | 2.4 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME204.200SN25 | 2.4 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |

All 2.4 mm knife electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME204.130S25 (ø 2.4 mm shaft)
ME4204.130S25 (ø 4.0 mm shaft)
Exception 58 mm, these are only available with 4.0 mm shaft.

# Monopolar HF electrodes

**ActiLine** single-use knife electrodes with ø 2.4 mm and ø 4.0 mm shaft

## knife electrode - straight

max. electrical capacity 4.3 kVp

Fig. knife electrode, uncoated, ø knife 3 mm

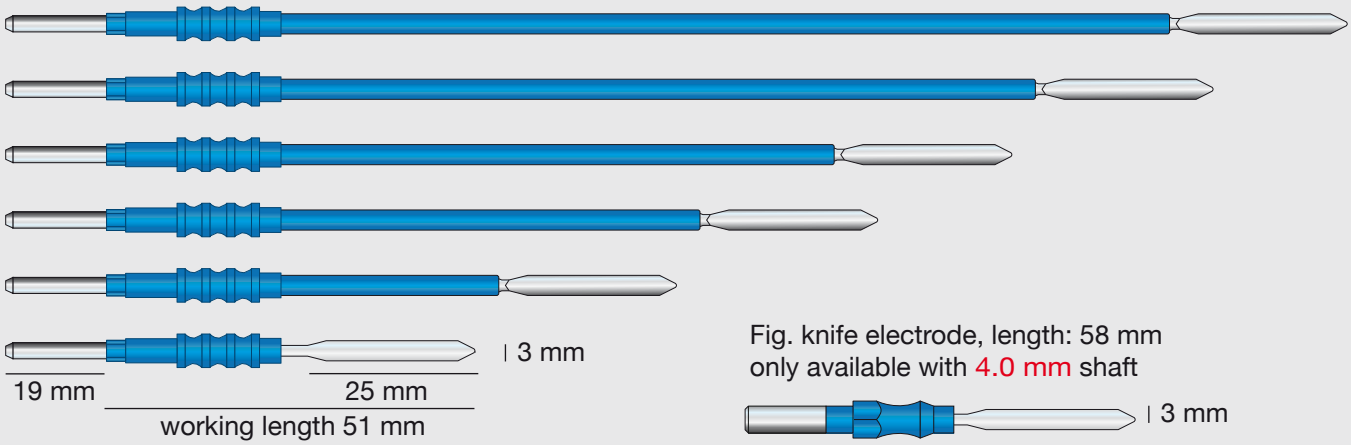



Fig. knife electrode, length: 58 mm
only available with 4.0 mm shaft




| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4205.058S25 | 3.0 mm x 25 mm | 58 mm | - | 10 pcs. |
| uncoated | ME205.070S25 | 3.0 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME205.100S25 | 3.0 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME205.130S25 | 3.0 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME205.150S25 | 3.0 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME205.180S25 | 3.0 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME205.200S25 | 3.0 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME4205.058SN25 | 3.0 mm x 25 mm | 58 mm | - | 10 pcs. |
| Titanium coated | ME205.070SN25 | 3.0 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME205.100SN25 | 3.0 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME205.130SN25 | 3.0 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME205.150SN25 | 3.0 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME205.180SN25 | 3.0 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME205.200SN25 | 3.0 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |

All 2.4 mm knife electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME205.180S25 (ø 2.4 mm shaft)
ME4205.180S25 (ø 4.0 mm shaft)
Exception 58 mm, these are only available with 4.0 mm shaft.

# Monopolar HF electrodes

**ActiLine** single-use knife electrodes with ø 2.4 mm and ø 4.0 mm shaft

## knife electrode - straight

max. electrical capacity 4.3 kVp

Fig. knife electrode, uncoated, ø knife 3.4 mm

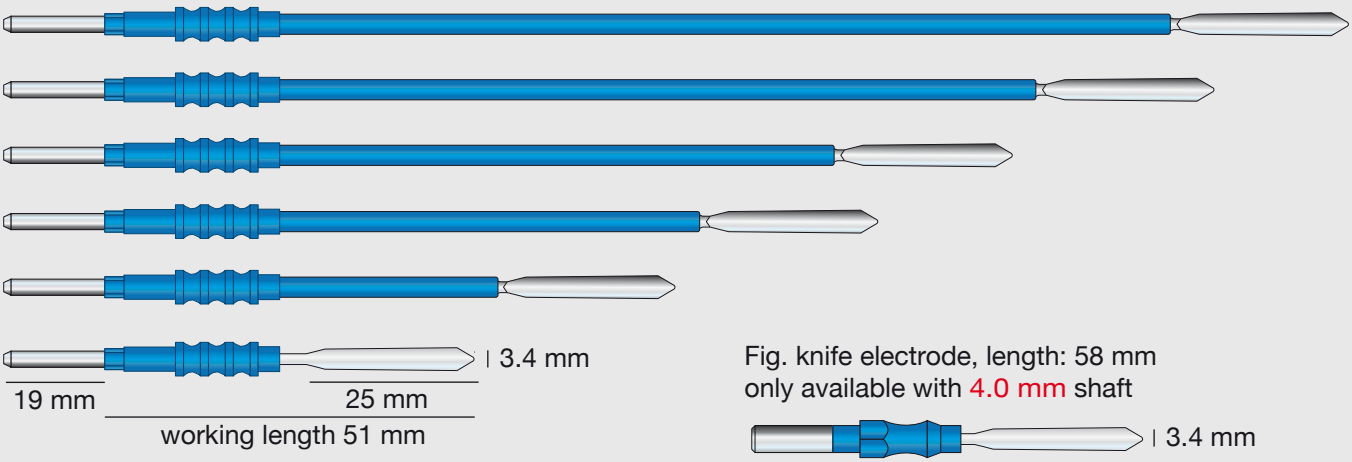



Fig. knife electrode, length: 58 mm
only available with 4.0 mm shaft

All 2.4 mm needle electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME206.100S25 (ø 2.4 mm shaft)
ME4206.100S25 (ø 4.0 mm shaft)
Exception 58 mm, these are only available with 4.0 mm shaft.

| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4206.058S25 | 3.4 mm x 25 mm | 58 mm | - | 10 pcs. |
| uncoated | ME206.070S25 | 3.4 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME206.100S25 | 3.4 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME206.130S25 | 3.4 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME206.150S25 | 3.4 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME206.180S25 | 3.4 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME206.200S25 | 3.4 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME4206.058SN25 | 3.4 mm x 25 mm | 58 mm | - | 10 pcs. |
| Titanium coated | ME206.070SN25 | 3.4 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME206.100SN25 | 3.4 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME206.130SN25 | 3.4 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME206.150SN25 | 3.4 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME206.180SN25 | 3.4 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME206.200SN25 | 3.4 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |

# Monopolar HF electrodes

**ActiLine** single-use knife electrodes with ø 2.4 mm and ø 4.0 mm shaft

## knife electrode - angled

max. electrical capacity 4.3 kVp

Fig. knife electrode, uncoated, ø knife 1.6 mm

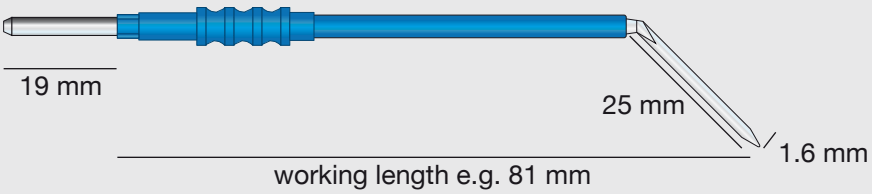
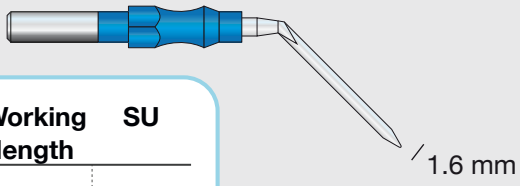



Fig. knife electrode, length: 52 mm
only available with 4.0 mm shaft




| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4207.052S25 | 1.6 mm x 25 mm | 52 mm | - | 10 pcs. |
| uncoated | ME4207.058S25 | 1.6 mm x 25 mm | 58 mm | - | 10 pcs. |
| uncoated | ME207.070S25 | 1.6 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME207.100S25 | 1.6 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME207.130S25 | 1.6 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME207.150S25 | 1.6 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME207.180S25 | 1.6 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME207.200S25 | 1.6 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME4207.052SN25 | 1.6 mm x 25 mm | 52 mm | - | 10 pcs. |
| Titanium coated | ME4207.058SN25 | 1.6 mm x 25 mm | 58 mm | - | 10 pcs. |
| Titanium coated | ME207.070SN25 | 1.6 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME207.100SN25 | 1.6 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME207.130SN25 | 1.6 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME207.150SN25 | 1.6 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME207.180SN25 | 1.6 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME207.200SN25 | 1.6 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |

All 2.4 mm knife electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME207.150S25 (ø 2.4 mm shaft)
ME4207.150S25 (ø 4.0 mm shaft)
ME4203.100S25 (ø 4.0 mm shaft)
Exception 58 mm, these are only available with 4.0 mm shaft.

# Monopolar HF electrodes

**ActiLine** single-use knife electrodes with ø 2.4 mm shaft

## knife electrode - angled

max. electrical capacity 4.3 kVp

Fig. knife electrode angled, uncoated, ø knife 2.4 mm

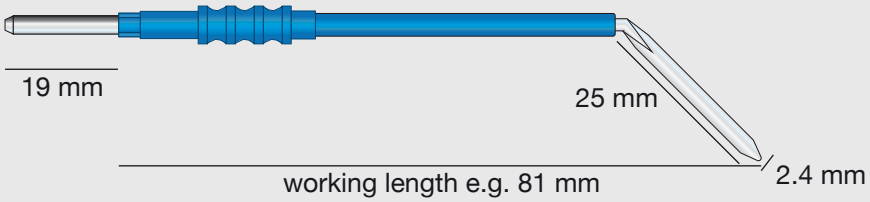
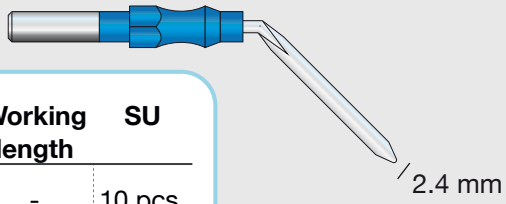



Fig. knife electrode, length: 52 mm
only available with 4.0 mm shaft




| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4208.052S25 | 2.4 mm x 25 mm | 52 mm | - | 10 pcs. |
| uncoated | ME4208.058S25 | 2.4 mm x 25 mm | 58 mm | - | 10 pcs. |
| uncoated | ME208.070S25 | 2.4 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME208.100S25 | 2.4 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME208.130S25 | 2.4 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME208.150S25 | 2.4 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME208.180S25 | 2.4 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME208.200S25 | 2.4 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME4208.052SN25 | 2.4 mm x 25 mm | 52 mm | - | 10 pcs. |
| Titanium coated | ME4208.058SN25 | 2.4 mm x 25 mm | 58 mm | - | 10 pcs. |
| Titanium coated | ME208.070SN25 | 2.4 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME208.100SN25 | 2.4 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME208.130SN25 | 2.4 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME208.150SN25 | 2.4 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME208.180SN25 | 2.4 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME208.200SN25 | 2.4 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |

All 2.4 mm knife electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME208.070S25 (ø 2.4 mm shaft)
ME4208.070S25 (ø 4.0 mm shaft)
Exception 58 mm, these are only available with 4.0 mm shaft.

# Monopolar HF electrodes

**ActiLine** single-use knife electrodes with ø 2.4 mm and ø 4.0 mm shaft

## knife electrode - angled

max. electrical capacity 4.3 kVp

Fig. knife electrode angled, uncoated, ø knife 3.0 mm

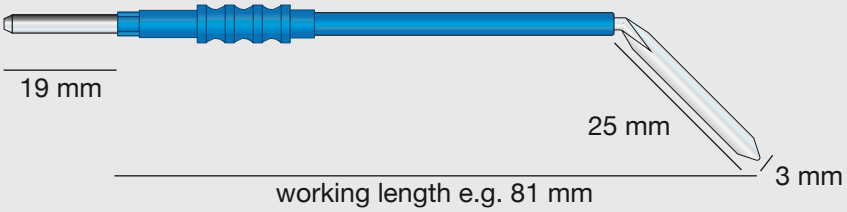
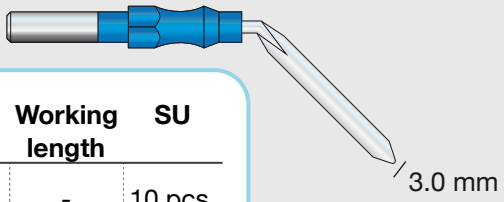



Fig. knife electrode, length: 52 mm
only available with 4.0 mm shaft




| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4209.052S25 | 3.0 mm x 25 mm | 52 mm | - | 10 pcs. |
| uncoated | ME4209.058S25 | 3.0 mm x 25 mm | 58 mm | - | 10 pcs. |
| uncoated | ME209.070S25 | 3.0 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME209.100S25 | 3.0 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME209.130S25 | 3.0 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME209.150S25 | 3.0 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME209.180S25 | 3.0 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME209.200S25 | 3.0 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME4209.052SN25 | 3.0 mm x 25 mm | 52 mm | - | 10 pcs. |
| Titanium coated | ME4209.058SN25 | 3.0 mm x 25 mm | 58 mm | - | 10 pcs. |
| Titanium coated | ME209.070SN25 | 3.0 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME209.100SN25 | 3.0 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME209.130SN25 | 3.0 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME209.150SN25 | 3.0 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME209.180SN25 | 3.0 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME209.200SN25 | 3.0 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |

All 2.4 mm knife electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME209.130S25 (ø 2.4 mm shaft)
ME4209.130S25 (ø 4.0 mm shaft)
Exception 58 mm, these are only available with 4.0 mm shaft.

# Monopolar HF electrodes

**ActiLine** single-use knife electrodes with ø 2.4 mm and ø 4.0 mm shaft

## knife electrode - angled

max. electrical capacity 4.3 kVp

Fig. knife electrode angled, uncoated, ø knife 3.4 mm

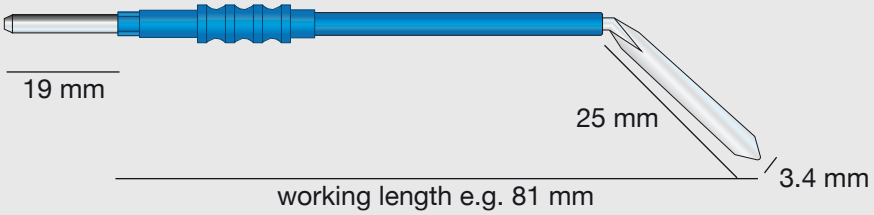
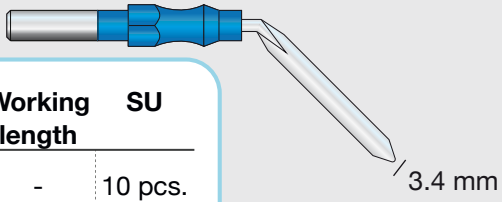



Fig. knife electrode, length: 52 mm
only available with 4.0 mm shaft




| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4210.052S25 | 3.4 mm x 25 mm | 52 mm | - | 10 pcs. |
| uncoated | ME4210.058S25 | 3.4 mm x 25 mm | 58 mm | - | 10 pcs. |
| uncoated | ME210.070S25 | 3.4 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME210.100S25 | 3.4 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| uncoated | ME210.130S25 | 3.4 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| uncoated | ME210.150S25 | 3.4 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| uncoated | ME210.180S25 | 3.4 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| uncoated | ME210.200S25 | 3.4 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |
| Titanium coated | ME4210.052SN25 | 3.4 mm x 25 mm | 52 mm | - | 10 pcs. |
| Titanium coated | ME4210.058SN25 | 3.4 mm x 25 mm | 58 mm | - | 10 pcs. |
| Titanium coated | ME210.070SN25 | 3.4 mm x 25 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME210.100SN25 | 3.4 mm x 25 mm | 100 mm | 81 mm | 10 pcs. |
| Titanium coated | ME210.130SN25 | 3.4 mm x 25 mm | 130 mm | 111 mm | 10 pcs. |
| Titanium coated | ME210.150SN25 | 3.4 mm x 25 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME210.180SN25 | 3.4 mm x 25 mm | 180 mm | 161 mm | 10 pcs. |
| Titanium coated | ME210.200SN25 | 3.4 mm x 25 mm | 200 mm | 181 mm | 10 pcs. |

All 2.4 mm knife electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME210.200S25 (ø 2.4 mm shaft)
ME4210.200S25 (ø 4.0 mm shaft)
Exception 58 mm, these are only available with 4.0 mm shaft.

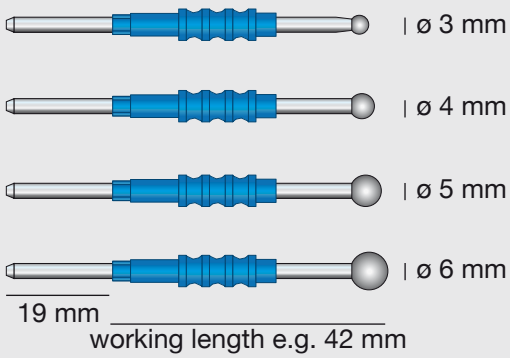
# Monopolar HF electrodes

**ActiLine** single-use ball electrodes with ø 2.4 mm and ø 4.0 mm shaft

## ball electrode - short

max. electrical capacity 4.3 kVp

Fig. uncoated



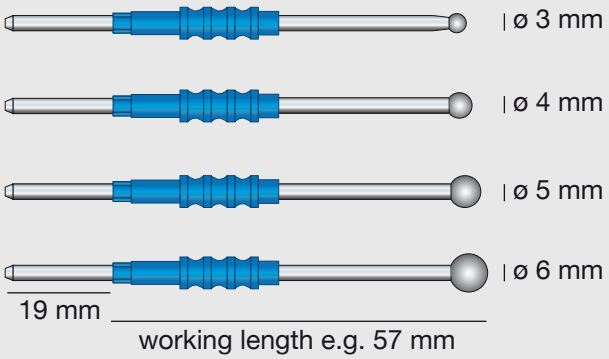

| Specifications | Item No. | ø Ball | Working length | SU |
|---|---|---|---|---|
| uncoated | ME151.055S03 | 3 mm | 39 mm | 10 pcs. |
| uncoated | ME151.055S04 | 4 mm | 40 mm | 10 pcs. |
| uncoated | ME151.055S05 | 5 mm | 41 mm | 10 pcs. |
| uncoated | ME151.055S06 | 6 mm | 42 mm | 10 pcs. |
| Titanium coated | ME151.055SN03 | 3 mm | 39 mm | 10 pcs. |
| Titanium coated | ME151.055SN04 | 4 mm | 40 mm | 10 pcs. |
| Titanium coated | ME151.055SN05 | 5 mm | 41 mm | 10 pcs. |
| Titanium coated | ME151.055SN06 | 6 mm | 42 mm | 10 pcs. |

All 2.4 mm ball electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME151.070S03 (ø 2.4 mm shaft)
ME4151.070S03 (ø 4.0 mm shaft)

## ball electrode - medium

max. electrical capacity 4.3 kVp

Fig. uncoated




| Specifications | Item No. | ø Ball | Working length | SU |
|---|---|---|---|---|
| uncoated | ME151.070S03 | 3 mm | 54 mm | 10 pcs. |
| uncoated | ME151.070S04 | 4 mm | 55 mm | 10 pcs. |
| uncoated | ME151.070S05 | 5 mm | 56 mm | 10 pcs. |
| uncoated | ME151.070S06 | 6 mm | 57 mm | 10 pcs. |
| Titanium coated | ME151.070SN03 | 3 mm | 54 mm | 10 pcs. |
| Titanium coated | ME151.070SN04 | 4 mm | 55 mm | 10 pcs. |
| Titanium coated | ME151.070SN05 | 5 mm | 56 mm | 10 pcs. |
| Titanium coated | ME151.070SN06 | 6 mm | 57 mm | 10 pcs. |

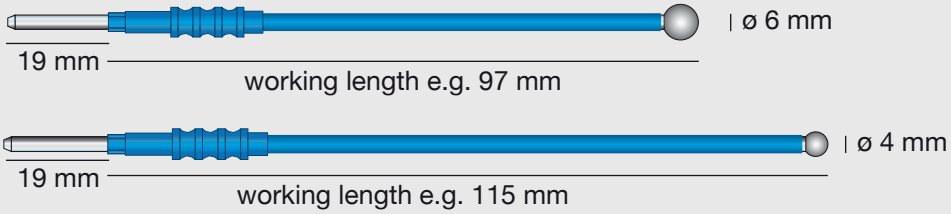
# Monopolar HF electrodes

**ActiLine** single-use ball electrodes with ø 2.4 mm and ø 4.0 mm shaft

## ball electrode - long

max. electrical capacity 4.3 kVp

Fig. uncoated




| Specifications | Item No. | ø Ball | Working length | SU |
|---|---|---|---|---|
| uncoated | ME151.110S03 | 3 mm | 94 mm | 10 pcs. |
| uncoated | ME151.110S04 | 4 mm | 95 mm | 10 pcs. |
| uncoated | ME151.110S05 | 5 mm | 96 mm | 10 pcs. |
| uncoated | ME151.110S06 | 6 mm | 97 mm | 10 pcs. |
| uncoated | ME151.130S03 | 3 mm | 114 mm | 10 pcs. |
| uncoated | ME151.130S04 | 4 mm | 115 mm | 10 pcs. |
| uncoated | ME151.130S05 | 5 mm | 116 mm | 10 pcs. |
| uncoated | ME151.130S06 | 6 mm | 117 mm | 10 pcs. |
| uncoated | ME151.130S08 | 8 mm | 119 mm | 10 pcs. |
| Titanium coated | ME151.110SN03 | 3 mm | 94 mm | 10 pcs. |
| Titanium coated | ME151.110SN04 | 4 mm | 95 mm | 10 pcs. |
| Titanium coated | ME151.110SN05 | 5 mm | 96 mm | 10 pcs. |
| Titanium coated | ME151.110SN06 | 6 mm | 97 mm | 10 pcs. |
| Titanium coated | ME151.130SN03 | 3 mm | 114 mm | 10 pcs. |
| Titanium coated | ME151.130SN04 | 4 mm | 115 mm | 10 pcs. |
| Titanium coated | ME151.130SN05 | 5 mm | 116 mm | 10 pcs. |
| Titanium coated | ME151.130SN06 | 6 mm | 117 mm | 10 pcs. |
| Titanium coated | ME151.130SN08 | 8 mm | 119 mm | 10 pcs. |

All 2.4 mm ball electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME151.110S03 (ø 2.4 mm shaft)
ME4151.110S03 (ø 4.0 mm shaft)

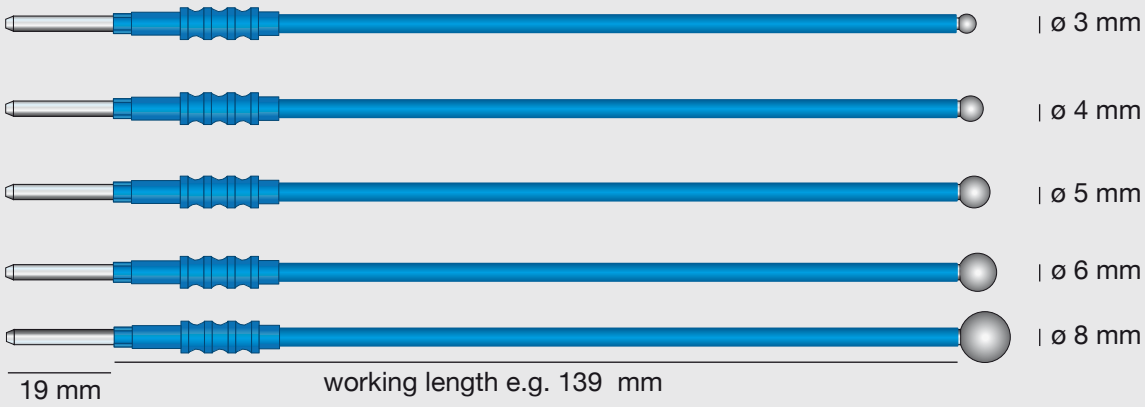
# Monopolar HF electrodes

**ActiLine** single-use ball electrodes with ø 2.4 mm and ø 4.0 mm shaft

## ball electrode - extra long

max. electrical capacity 4.3 kVp

Fig. uncoated




All 2.4 mm ball electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME151.150S03 (ø 2.4 mm shaft)
ME4151.150S03 (ø 4.0 mm shaft)

| Specifications | Item No. | ø Ball | Working length | SU |
|---|---|---|---|---|
| uncoated | ME151.150S03 | 3 mm | 134 mm | 10 pcs. |
| uncoated | ME151.150S04 | 4 mm | 135 mm | 10 pcs. |
| uncoated | ME151.150S05 | 5 mm | 136 mm | 10 pcs. |
| uncoated | ME151.150S06 | 6 mm | 137 mm | 10 pcs. |
| uncoated | ME151.150S08 | 8 mm | 139 mm | 10 pcs. |
| Titanium coated | ME151.150SN03 | 3 mm | 134 mm | 10 pcs. |
| Titanium coated | ME151.150SN04 | 4 mm | 135 mm | 10 pcs. |
| Titanium coated | ME151.150SN05 | 5 mm | 136 mm | 10 pcs. |
| Titanium coated | ME151.150SN06 | 6 mm | 137 mm | 10 pcs. |
| Titanium coated | ME151.150SN08 | 8 mm | 139 mm | 10 pcs. |

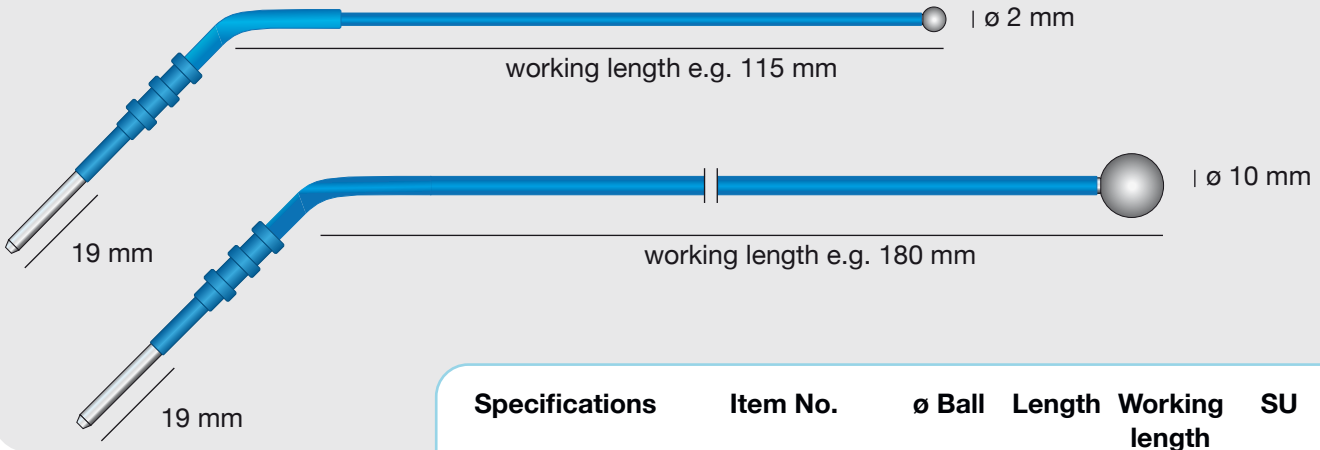
# Monopolar HF electrodes

**ActiLine** single-use ball electrodes with ø 2.4 mm and ø 4.0 mm shaft

## ball electrode - angled 45°

max. electrical capacity 4.3 kVp

Fig. uncoated, angled 45°




| Specifications | Item No. | ø Ball | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME152.170S03 | 2 mm | 170 mm | 115 mm | 10 pcs. |
| uncoated | ME152.170S04 | 4 mm | 170 mm | 115 mm | 10 pcs. |
| uncoated | ME152.235S08 | 8 mm | 235 mm | 180 mm | 10 pcs. |
| uncoated | ME152.235S10 | 10 mm | 235 mm | 180 mm | 10 pcs. |
| uncoated | ME152.285S08 | 8 mm | 285 mm | 230 mm | 10 pcs. |
| Titanium coated | ME152.170SN03 | 2 mm | 170 mm | 115 mm | 10 pcs. |
| Titanium coated | ME152.170SN04 | 4 mm | 170 mm | 115 mm | 10 pcs. |
| Titanium coated | ME152.235SN08 | 8 mm | 235 mm | 180 mm | 10 pcs. |
| Titanium coated | ME152.235SN10 | 10 mm | 235 mm | 180 mm | 10 pcs. |
| Titanium coated | ME152.285SN08 | 8 mm | 285 mm | 230 mm | 10 pcs. |

All 2.4 mm ball electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME152.235S08 (ø 2.4 mm shaft)
ME4152.235S08 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use needle electrodes with ø 2.4 mm and ø 4.0 mm shaft

## needle electrode - medium

max. electrical capacity 4.3 kVp

Fig. uncoated

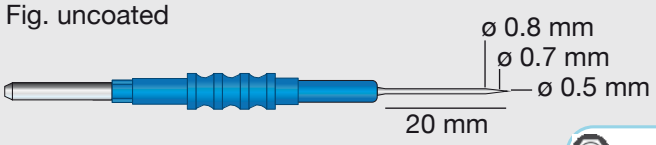
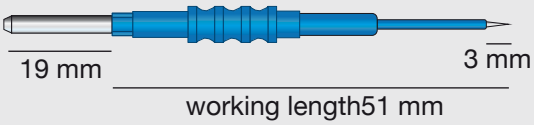



Fig. insulated




| Specifications | Item No. | Needle | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME951.070S20 | 20 mm | 70 mm | 51 mm | 10 pcs. |
| insulated | ME951.070S03 | 3 mm | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME951.070SN20 | 20 mm | 70 mm | 51 mm | 10 pcs. |
| insulated, Titanium coated | ME951.070SN03 | 3 mm | 70 mm | 51 mm | 10 pcs. |

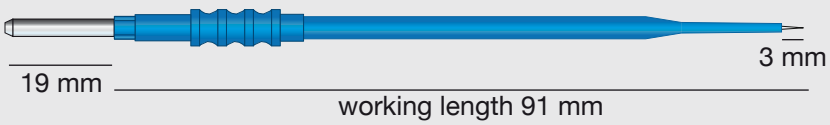
All 2.4 mm needle electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME951.070S20 (ø 2.4 mm shaft)
ME4951.070S20 (ø 4.0 mm shaft)

## needle electrode - long

max. electrical capacity 4.3 kVp

Fig. uncoated

Fig. insulated




| Specifications | Item No. | Needle | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME951.110S20 | 20 mm | 110 mm | 91 mm | 10 pcs. |
| insulated | ME951.110S03 | 3 mm | 110 mm | 91 mm | 10 pcs. |
| Titanium coated | ME951.110SN20 | 20 mm | 110 mm | 91 mm | 10 pcs. |
| insulated, Titanium coated | ME951.110SN03 | 3 mm | 110 mm | 91 mm | 10 pcs. |

# Monopolar HF electrodes

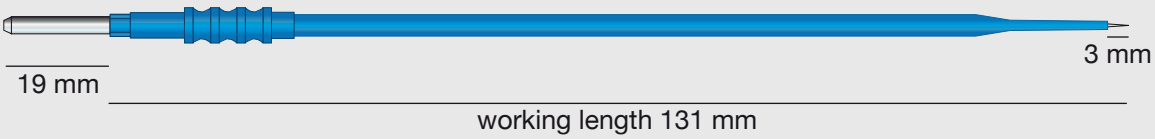
**ActiLine** single-use needle electrodes with ø 2.4 mm and ø 4.0 mm shaft

## needle electrode - extra long

max. electrical capacity 4.3 kVp

Fig. uncoated

Fig. insulated




| Specifications | Item No. | Needle | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME951.150S20 | 20 mm | 150 mm | 131 mm | 10 pcs. |
| insulated | ME951.150S03 | 3 mm | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME951.150SN20 | 20 mm | 150 mm | 131 mm | 10 pcs. |
| insulated, Titanium coated | ME951.150SN03 | 3 mm | 150 mm | 131 mm | 10 pcs. |

All 2.4 mm needle electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME951.150S20 (ø 2.4 mm shaft)
ME4951.150S20 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use needle electrodes with ø 2.4 mm and ø 4.0 mm shaft

## needle electrode - angled

max. electrical capacity 4.3 kVp

Fig. needle angled

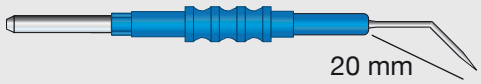



Fig. insulated, needle angled

All 2.4 mm needle electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME952.110.S20 (ø 2.4 mm shaft)
ME4952.110.S20 (ø 4.0 mm shaft)

Fig. needle angled

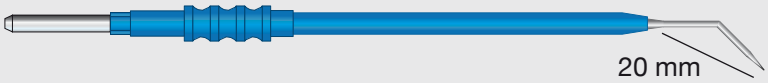



Fig. insulated, needle angled

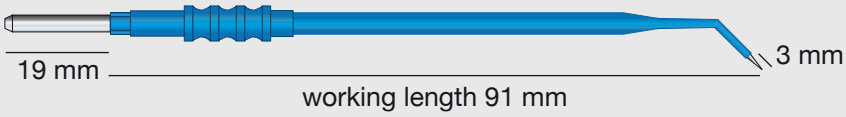



Fig. needle angled

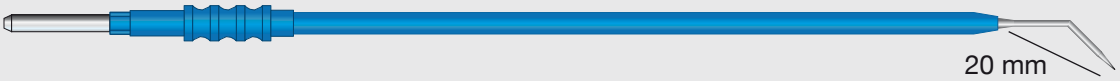
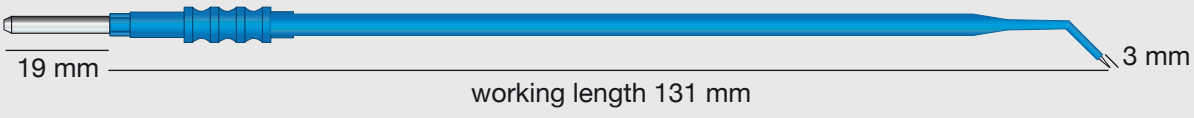



Fig. insulated, needle angled




| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| uncoated | ME952.070S20 | 70 mm | 51 mm | 10 pcs. |
| uncoated | ME952.110S20 | 110 mm | 91 mm | 10 pcs. |
| uncoated | ME952.150S20 | 150 mm | 131 mm | 10 pcs. |
| Titanium coated | ME952.070SN20 | 70 mm | 51 mm | 10 pcs. |
| Titanium coated | ME952.110SN20 | 110 mm | 91 mm | 10 pcs. |
| Titanium coated | ME952.150SN20 | 150 mm | 131 mm | 10 pcs. |

| Specifications | Item No. | Length | Working length | SU |
|---|---|---|---|---|
| insulated | ME952.070S03 | 70 mm | 51 mm | 10 pcs. |
| insulated | ME952.110S03 | 110 mm | 91 mm | 10 pcs. |
| insulated | ME952.150S03 | 150 mm | 131 mm | 10 pcs. |
| insulated, Titanium coated | ME952.070SN03 | 70 mm | 51 mm | 10 pcs. |
| insulated, Titanium coated | ME952.110SN03 | 110 mm | 91 mm | 10 pcs. |
| insulated, Titanium coated | ME952.150SN03 | 150 mm | 131 mm | 10 pcs. |

# Monopolar HF electrodes

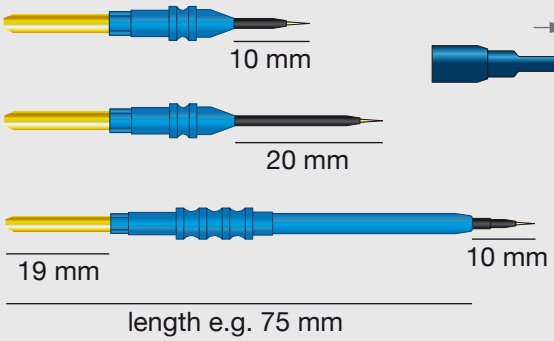
**ActiLine** XTreme single-use micro dissection needle electrodes made of tungsten with ø 2.4 mm and ø 4.0 mm shaft

## **ActiLine** XTreme needle electrode - tungsten

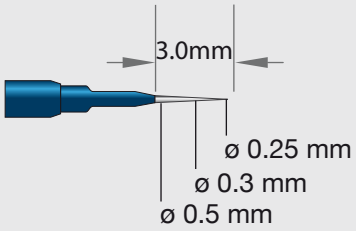
### needle electrode insulated, straight, superfine

max. electrical capacity 4.3 kVp

Fig. insulated - straight




not insulated tip




| Item No. | Length | Needle | SU |
|---|---|---|---|
| ME901.030S10 | 30 mm | 10 mm | 10 pcs. |
| ME901.030S20 | 30 mm | 20 mm | 10 pcs. |
| ME901.040S20 | 40 mm | 20 mm | 10 pcs. |
| ME901.055S10 | 55 mm | 10 mm | 10 pcs. |
| ME901.065S10 | 65 mm | 10 mm | 10 pcs. |
| ME901.075S10 | 75 mm | 10 mm | 10 pcs. |
| ME901.100S10 | 100 mm | 10 mm | 10 pcs. |
| ME901.130S10 | 130 mm | 10 mm | 10 pcs. |
| ME901.150S10 | 150 mm | 10 mm | 10 pcs. |
| ME901.180S10 | 180 mm | 10 mm | 10 pcs. |

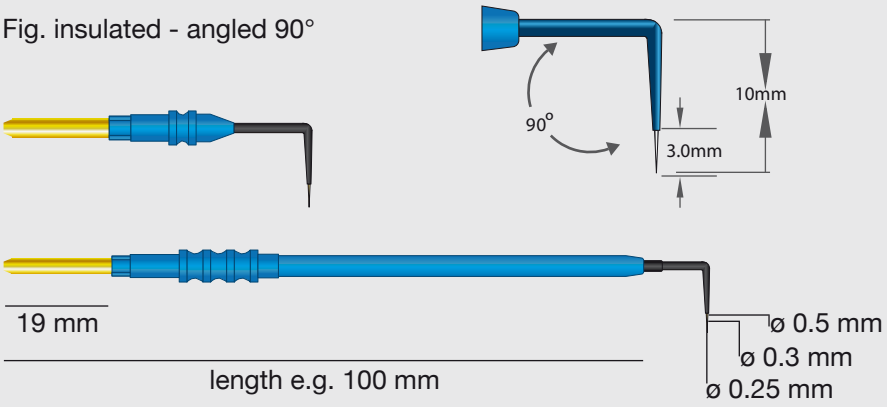
All 2.4 mm **ActiLine** XTreme needle electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME902.150S10 (ø 2.4 mm shaft)
ME4902.150S10 (ø 4.0 mm shaft)

## **ActiLine** XTreme needle electrode - tungsten

### needle electrode insulated, angled 90°,superfine

max. electrical capacity 4.3 kVp

Fig. insulated - angled 90°




| Item No. | Length | SU |
|---|---|---|
| ME902.030S10 | 30 mm | 10 pcs. |
| ME902.040S10 | 40 mm | 10 pcs. |
| ME902.055S10 | 55 mm | 10 pcs. |
| ME902.065S10 | 65 mm | 10 pcs. |
| ME902.075S10 | 75 mm | 10 pcs. |
| ME902.100S10 | 100 mm | 10 pcs. |
| ME902.130S10 | 130 mm | 10 pcs. |
| ME902.150S10 | 150 mm | 10 pcs. |
| ME902.180S10 | 180 mm | 10 pcs. |

# Monopolar HF electrodes

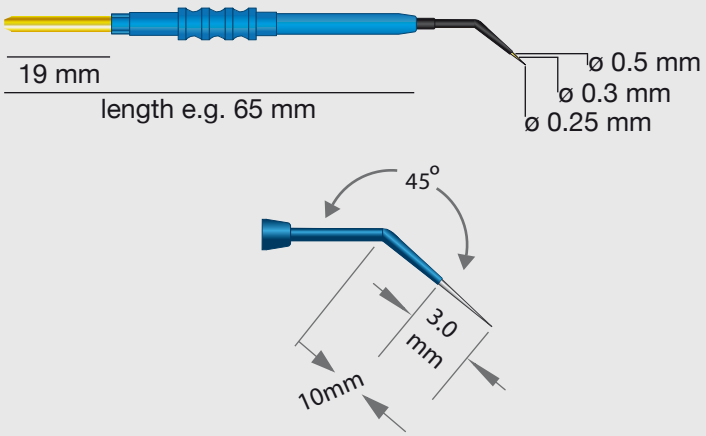
**ActiLine** XTreme single-use micro dissection needle electrodes made of tungsten with ø 2.4 mm and ø 4.0 mm shaft

## ActiLine XTreme needle electrode - tungsten

### needle electrode insulated, angled 45°, superfine

max. electrical capacity 4.3 kVp

Fig. insulated - angled 45°



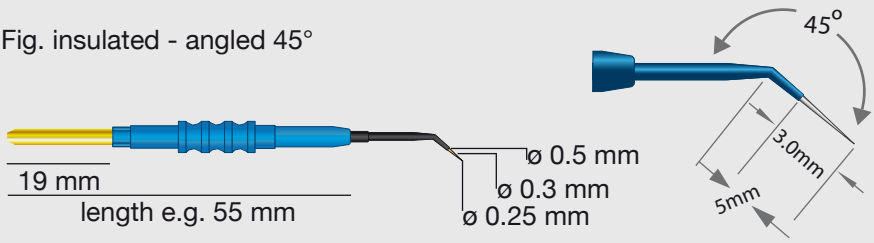

| Item No. | Length | SU |
|---|---|---|
| ME903.030S10 | 30 mm | 10 pcs. |
| ME903.040S10 | 40 mm | 10 pcs. |
| ME903.055S10 | 55 mm | 10 pcs. |
| ME903.065S10 | 65 mm | 10 pcs. |
| ME903.075S10 | 75 mm | 10 pcs. |
| ME903.100S10 | 100 mm | 10 pcs. |
| ME903.130S10 | 130 mm | 10 pcs. |
| ME903.150S10 | 150 mm | 10 pcs. |
| ME903.180S10 | 180 mm | 10 pcs. |

## ActiLine XTreme needle electrode - tungsten

### needle electrode insulated, angled 45°,superfine

max. electrical capacity 4.3 kVp

Fig. insulated - angled 45°




| Item No. | Length | SU |
|---|---|---|
| ME904.030S05 | 30 mm | 10 pcs. |
| ME904.040S05 | 40 mm | 10 pcs. |
| ME904.055S05 | 55 mm | 10 pcs. |
| ME904.065S05 | 65 mm | 10 pcs. |
| ME904.075S05 | 75 mm | 10 pcs. |
| ME904.100S05 | 100 mm | 10 pcs. |
| ME904.130S05 | 130 mm | 10 pcs. |
| ME904.150S05 | 150 mm | 10 pcs. |
| ME904.180S05 | 180 mm | 10 pcs. |

All 2.4 mm **ActiLine** XTreme needle electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME904.100S05 (ø 2.4 mm shaft)
ME4904.100S05 (ø 4.0 mm shaft)

# Monopolar HF electrodes

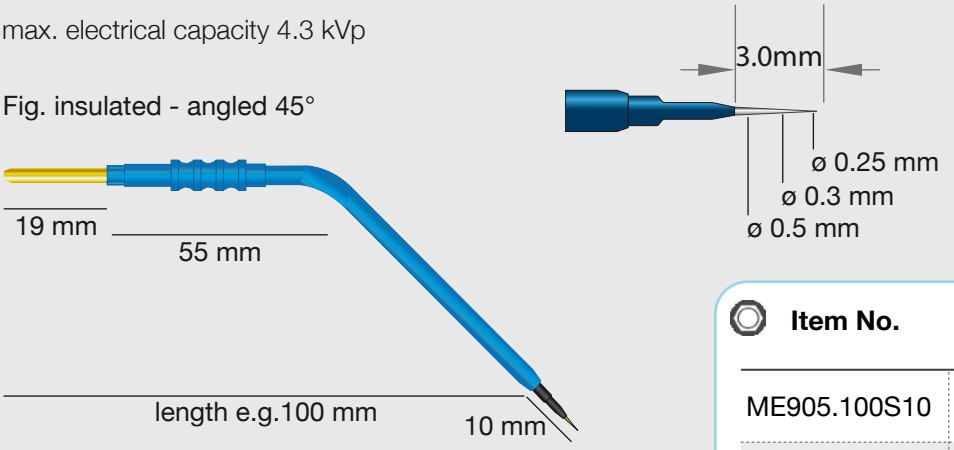
**ActiLine** XTreme single-use micro dissection needle electrodes made of tungsten with ø 2.4 mm and ø 4.0 mm shaft

## **ActiLine** XTreme needle electrode - tungsten

### needle electrode insulated, bend 45°, superfine

max. electrical capacity 4.3 kVp

Fig. insulated - angled 45°




| Item No. | Length | SU |
|---|---|---|
| ME905.100S10 | 100 mm | 10 pcs. |
| ME905.130S10 | 130 mm | 10 pcs. |
| ME905.150S10 | 150 mm | 10 pcs. |
| ME905.180S10 | 180 mm | 10 pcs. |

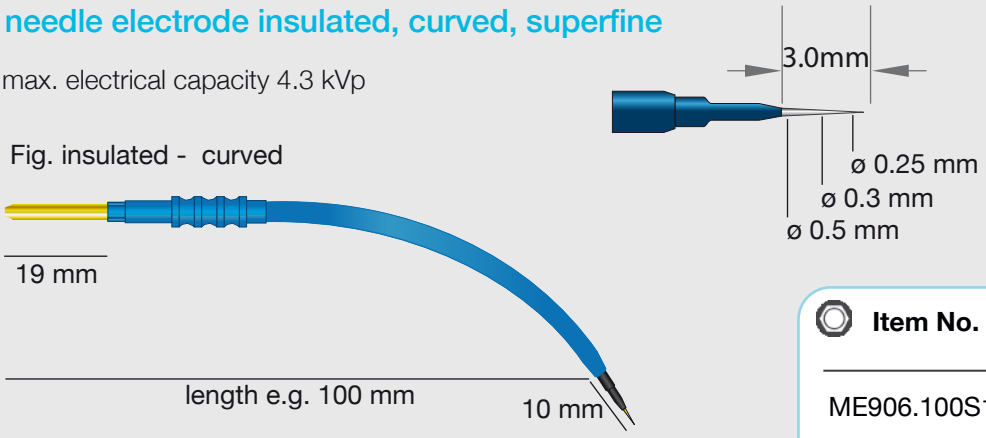
All 2.4 mm **ActiLine** XTreme needle electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME906.100S10 (ø 2.4 mm shaft)
ME4906.100S10 (ø 4.0 mm shaft)

## **ActiLine** XTreme needle electrode - tungsten

### needle electrode insulated, curved, superfine

max. electrical capacity 4.3 kVp

Fig. insulated - curved




| Item No. | Length | SU |
|---|---|---|
| ME906.100S10 | 100 mm | 10 pcs. |
| ME906.130S10 | 130 mm | 10 pcs. |
| ME906.150S10 | 150 mm | 10 pcs. |
| ME906.180S10 | 180 mm | 10 pcs. |

# Monopolar HF electrodes

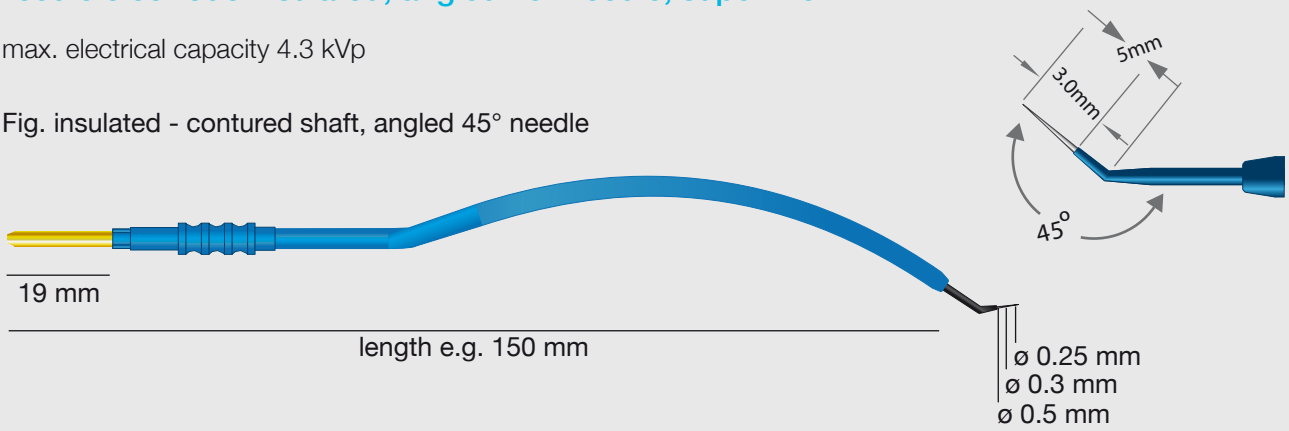
**ActiLine** XTreme single-use micro dissection needle electrodes made of tungsten with ø 2.4 mm and ø 4.0 mm shaft

## **ActiLine** XTreme needle electrode - tungsten

### needle electrode insulated, angled 45° needle, superfine

max. electrical capacity 4.3 kVp

Fig. insulated - contured shaft, angled 45° needle




| Item No. | Length | SU |
|---|---|---|
| ME907.150S05 | 150 mm | 10 pcs. |
| ME907.180S05 | 180 mm | 10 pcs. |

BEST TIP TUNGSTEN

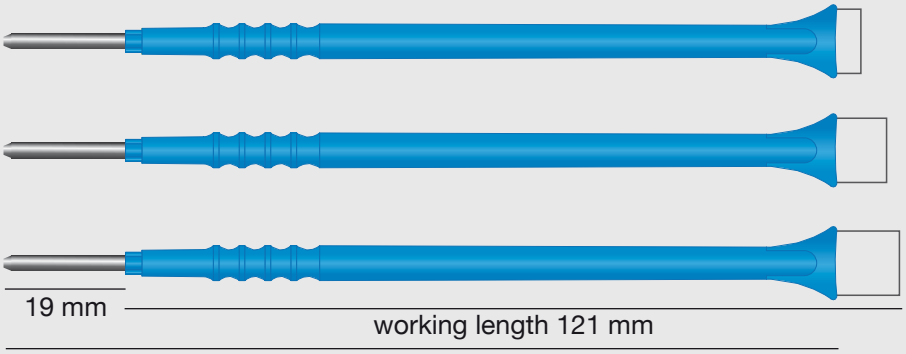
All 2.4 mm **ActiLine** XTreme needle electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME907.150S05 (ø 2.4 mm shaft)
ME4907.150S05 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use LLETZ electrodes made of tungsten wire with ø 2.4 mm shaft

## ActiLine LLETZ electrode, 10 mm width

Fig. wire loop electrode, squared




max. electrical capacity 4.3 kVp

tungsten wire, wire thickness: 0.25 mm

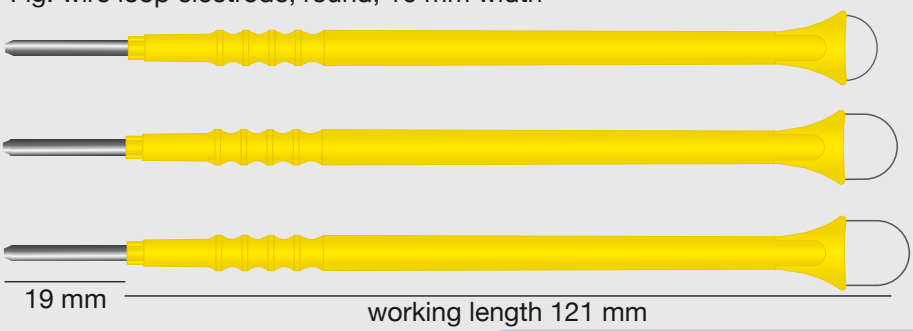
| Item No. | Loop squared | Shaft length | Working length | SU |
|---|---|---|---|---|
| ME102.010S04 | 10 mm x 4 mm | 130 mm | 115 mm | 10 pcs. |
| ME102.010S08 | 10 mm x 8 mm | 130 mm | 119 mm | 10 pcs. |
| ME102.010S10 | 10 mm x 10 mm | 130 mm | 121 mm | 10 pcs. |

Only available with 2.4 mm shaft diameter.

## ActiLine LLETZ electrode, 5 mm and 10 mm width

Fig. wire loop electrode, round, 5 mm width

Fig. wire loop electrode, round, 10 mm width




max. electrical capacity 4.3 kVp

tungsten wire, wire thickness: 0.25 mm

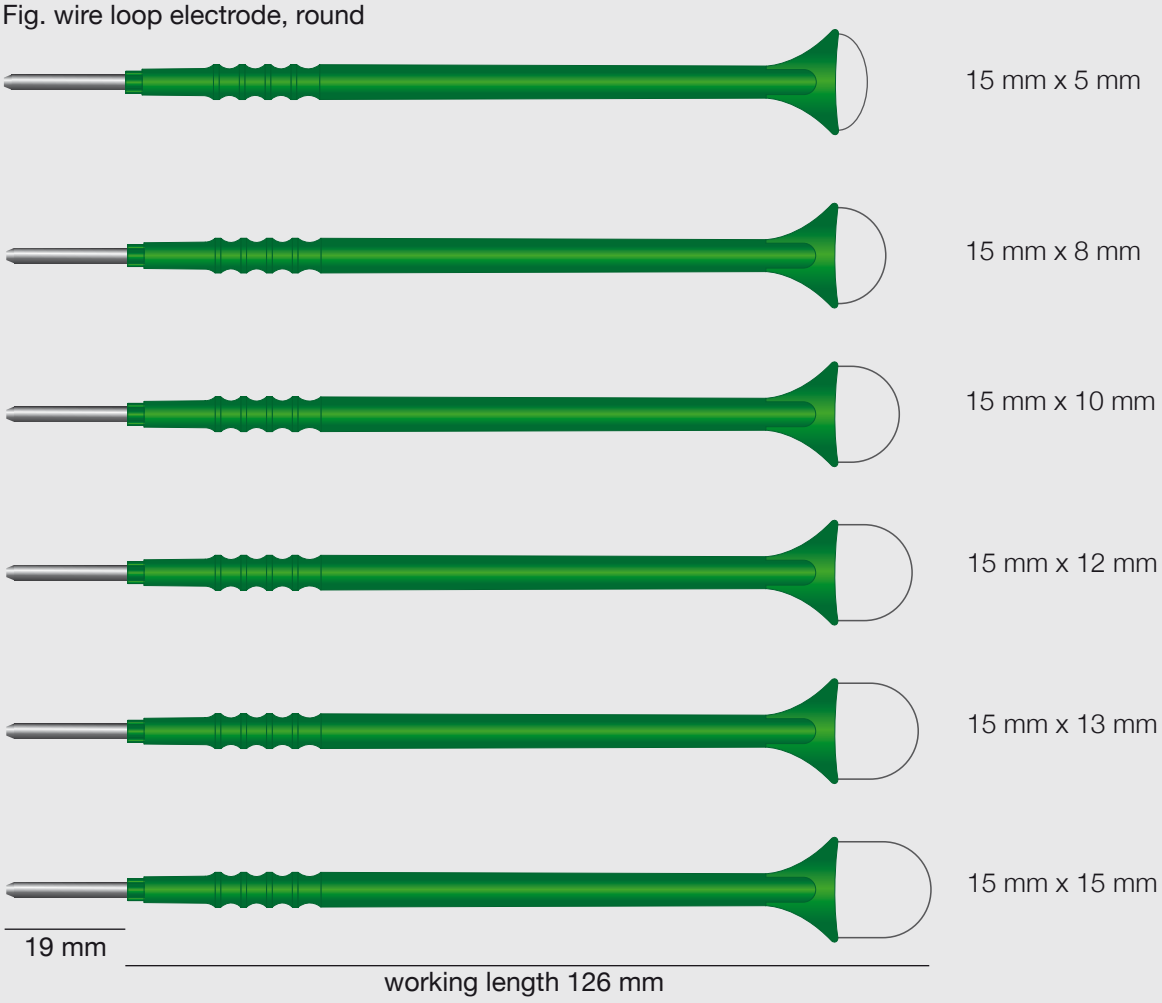
| Item No. | Loop round | Shaft length | Working length | SU |
|---|---|---|---|---|
| ME101.005S05 | 5 mm x 5 mm | 130 mm | 116 mm | 10 pcs. |
| ME101.010S05 | 10 mm x 5 mm | 130 mm | 116 mm | 10 pcs. |
| ME101.010S08 | 10 mm x 8 mm | 130 mm | 119 mm | 10 pcs. |
| ME101.010S10 | 10 mm x 10 mm | 130 mm | 121 mm | 10 pcs. |

# Monopolar HF electrodes

**ActiLine** single-use LLETZ electrodes made of tungsten wire with ø 2.4 mm shaft

## *ActiLine* LLETZ electrode, 15 mm width

Fig. wire loop electrode, round




max. electrical capacity 4.3 kVp

tungsten wire, wire thickness: 0.25 mm

| Item No. | Loop round | Shaft length | Working length | SU |
|---|---|---|---|---|
| ME101.015S05 | 15 mm x 5 mm | 130 mm | 116 mm | 10 pcs. |
| ME101.015S08 | 15 mm x 8 mm | 130 mm | 119 mm | 10 pcs. |
| ME101.015S10 | 15 mm x 10 mm | 130 mm | 121 mm | 10 pcs. |
| ME101.015S12 | 15 mm x 12 mm | 130 mm | 123 mm | 10 pcs. |
| ME101.015S13 | 15 mm x 13 mm | 130 mm | 124 mm | 10 pcs. |
| ME101.015S15 | 15 mm x 15 mm | 130 mm | 126 mm | 10 pcs. |

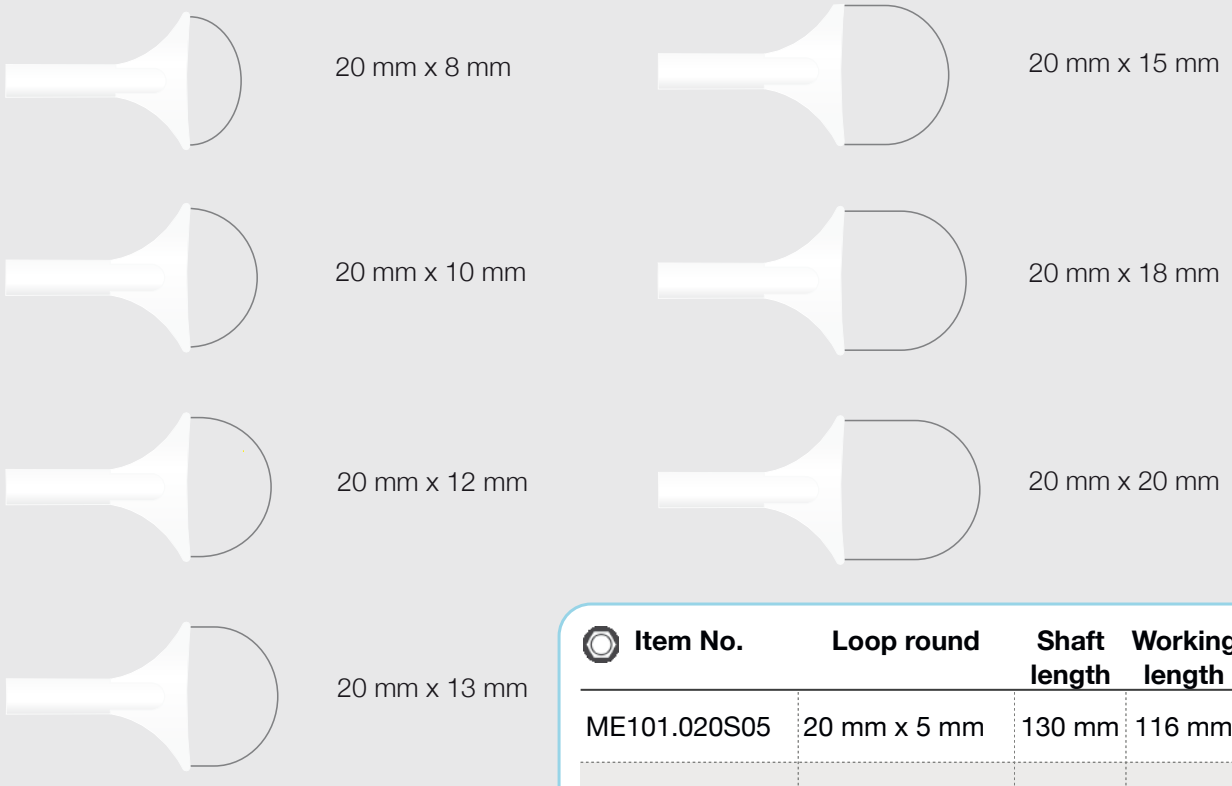
Only available with 2.4 mm shaft diameter.

# Monopolar HF electrodes

***ActiLine*** single-use LLETZ electrodes made of tungsten wire with ø 2.4 mm shaft

## *ActiLine* LLETZ electrode, 20 mm width

Fig. wire loop electrode, round




max. electrical capacity 4.3 kVp

tungsten wire, wire thickness: 0.25 mm

| Item No. | Loop round | Shaft length | Working length | SU |
|---|---|---|---|---|
| ME101.020S05 | 20 mm x 5 mm | 130 mm | 116 mm | 10 pcs. |
| ME101.020S08 | 20 mm x 8 mm | 130 mm | 119 mm | 10 pcs. |
| ME101.020S10 | 20 mm x 10 mm | 130 mm | 121 mm | 10 pcs. |
| ME101.020S12 | 20 mm x 12 mm | 130 mm | 123 mm | 10 pcs. |
| ME101.020S13 | 20 mm x 13 mm | 130 mm | 124 mm | 10 pcs. |
| ME101.020S15 | 20 mm x 15 mm | 130 mm | 126 mm | 10 pcs. |
| ME101.020S18 | 20 mm x 18 mm | 130 mm | 129 mm | 10 pcs. |
| ME101.020S20 | 20 mm x 20 mm | 130 mm | 131 mm | 10 pcs. |

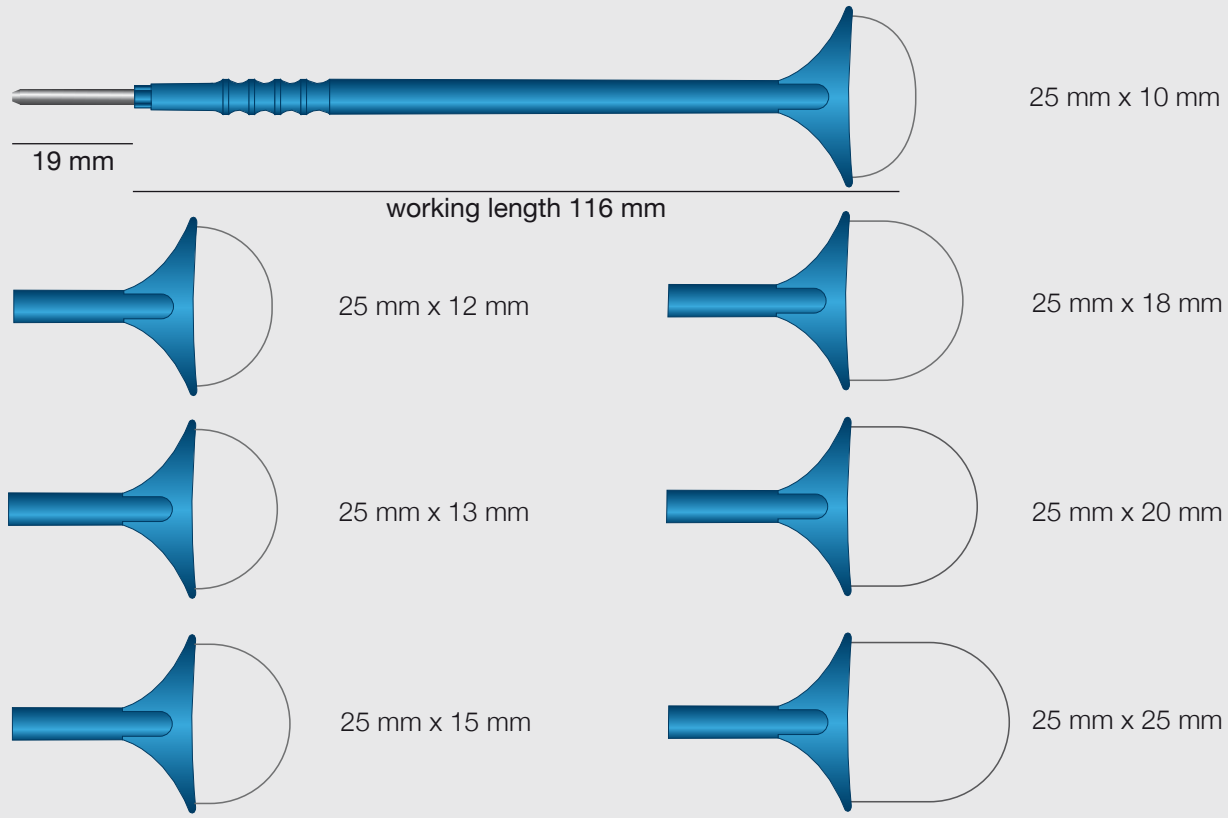
Only available with 2.4 mm shaft diameter.

# Monopolar HF electrodes

**ActiLine** single-use LLETZ electrodes made of tungsten wire with ø 2.4 mm and ø 4.0 mm shaft

## ActiLine LLETZ electrode, 25 mm width

Fig. wire loop electrode, round




max. electrical capacity 4.3 kVp

tungsten wire, wire thickness: 0.25 mm

| Item No. | Loop round | Shaft length | Working length | SU |
|---|---|---|---|---|
| ME101.025S10 | 25 mm x 10 mm | 130 mm | 121 mm | 10 pcs. |
| ME101.025S12 | 25 mm x 12 mm | 130 mm | 123 mm | 10 pcs. |
| ME101.025S13 | 25 mm x 13 mm | 130 mm | 124 mm | 10 pcs. |
| ME101.025S15 | 25 mm x 15 mm | 130 mm | 126 mm | 10 pcs. |
| ME101.025S18 | 25 mm x 18 mm | 130 mm | 129 mm | 10 pcs. |
| ME101.025S20 | 25 mm x 20 mm | 130 mm | 131 mm | 10 pcs. |
| ME101.025S25 | 25 mm x 25 mm | 130 mm | 136 mm | 10 pcs. |

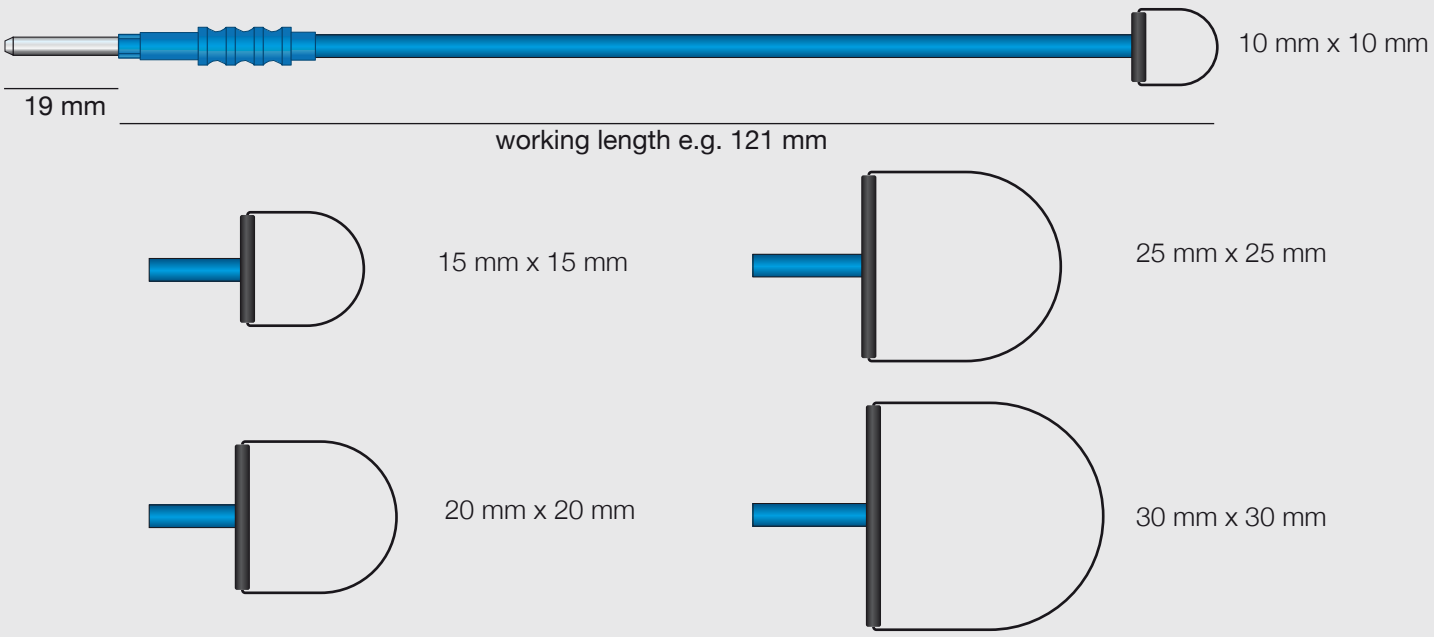
Only available with 2.4 mm shaft diameter.

# Monopolar HF electrodes

***ActiLine*** single-use LLETZ electrodes made of tungsten wire with ø 2.4 mm and ø 4.0 mm shaft

## *ActiLine* LLETZ electrode, T-shape

Fig. wire loop electrode, round




| Item No. | ø Loop round | Shaft length | Working length | SU |
|---|---|---|---|---|
| ME106.130S10 | 10 mm | 130 mm | 121 mm | 10 pcs. |
| ME106.130S15 | 15 mm | 130 mm | 126 mm | 10 pcs. |
| ME106.130S20 | 20 mm | 130 mm | 131 mm | 10 pcs. |
| ME106.130S25 | 25 mm | 130 mm | 136 mm | 10 pcs. |
| ME106.130S30 | 30 mm | 130 mm | 141 mm | 10 pcs. |
| ME106.150S10 | 10 mm | 150 mm | 141 mm | 10 pcs. |
| ME106.150S15 | 15 mm | 150 mm | 146 mm | 10 pcs. |
| ME106.150S20 | 20 mm | 150 mm | 151 mm | 10 pcs. |
| ME106.150S25 | 25 mm | 150 mm | 156 mm | 10 pcs. |
| ME106.150S30 | 30 mm | 150 mm | 161 mm | 10 pcs. |

max. electrical capacity 1.5 kVp

tungsten wire, wire thickness: 0.25 mm

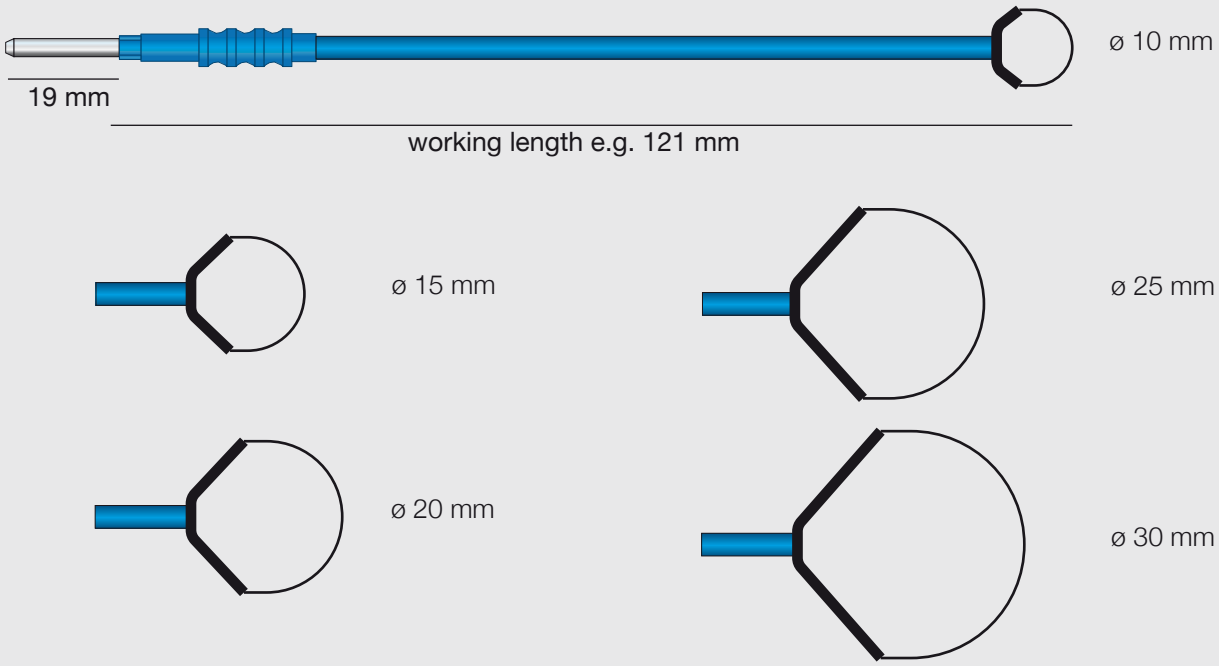
All 2.4 mm LLETZ electroden are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME106.130S15 (ø 2.4 mm shaft)
ME4106.130S15 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use LLETZ electrodes made of tungsten wire with ø 2.4 mm and ø 4.0 mm shaft

## ActiLine LLETZ electrode, V-shape

Fig. wire loop electrode, round




max. electrical capacity 1.5 kVp

tungsten wire, wire thickness: 0.25 mm

| Item No. | ø Loop round | Shaft length | Working length | SU |
|---|---|---|---|---|
| ME104.130S10 | 10 mm | 130 mm | 121 mm | 10 pcs. |
| ME104.130S15 | 15 mm | 130 mm | 126 mm | 10 pcs. |
| ME104.130S20 | 20 mm | 130 mm | 131 mm | 10 pcs. |
| ME104.130S25 | 25 mm | 130 mm | 136 mm | 10 pcs. |
| ME104.130S30 | 30 mm | 130 mm | 141 mm | 10 pcs. |
| ME104.150S10 | 10 mm | 150 mm | 141 mm | 10 pcs. |
| ME104.150S15 | 15 mm | 150 mm | 146 mm | 10 pcs. |
| ME104.150S20 | 20 mm | 150 mm | 151 mm | 10 pcs. |
| ME104.150S25 | 25 mm | 150 mm | 156 mm | 10 pcs. |
| ME104.150S30 | 30 mm | 150 mm | 161 mm | 10 pcs. |

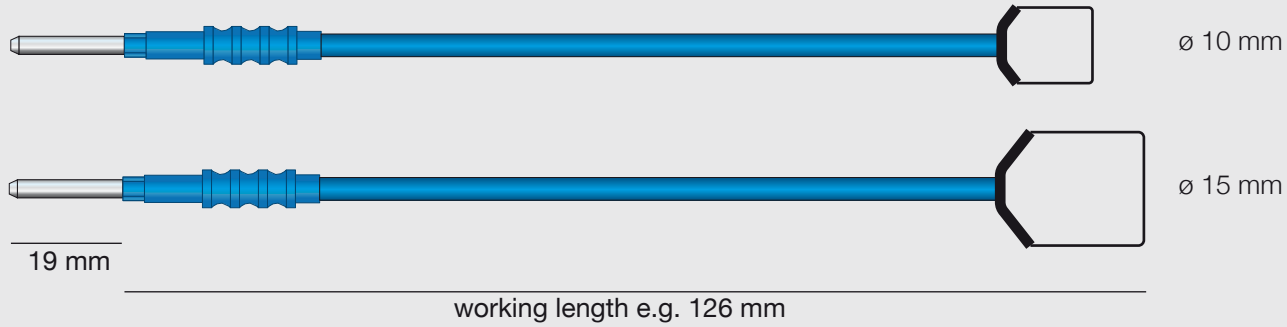
All 2.4 mm LLETZ electrodes with T-shape are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME104.150S10 (ø 2.4 mm shaft)
ME4104.150S10 (ø 4.0 mm shaft)

# Monopolar HF electrodes

***ActiLine*** single-use LLETZ electrodes made of tungsten wire with ø 2.4 mm and ø 4.0 mm shaft

## *ActiLine* LLETZ electrode, V-shape

Fig. wire loop electrode, squared




max. electrical capacity 1.5 kVp

tungsten wire, wire thickness: 0.25 mm

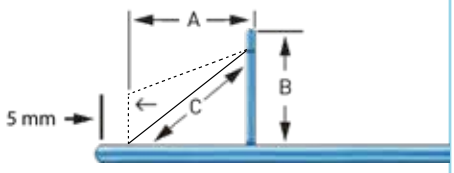
| Item No. | ø Loop round | Shaft length | Working length | SU |
|---|---|---|---|---|
| ME105.130S10 | 10 mm | 130 mm | 121 mm | 10 pcs. |
| ME105.130S15 | 15 mm | 130 mm | 126 mm | 10 pcs. |
| ME105.150S10 | 10 mm | 150 mm | 141 mm | 10 pcs. |
| ME105.150S15 | 15 mm | 150 mm | 146 mm | 10 pcs. |

All 2.4 mm LLETZ electrodes with T-shape are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME105.130S10 (ø 2.4 mm shaft)
ME4105.130S10 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use conisation electrodes made of tungsten with ø 2.4 mm and ø 4.0 mm shaft

The branch of the illustrations is horizontally curved, not shown vertically to the tip.



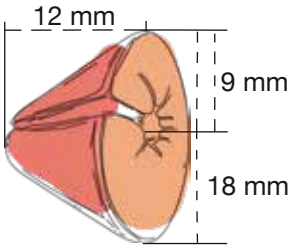




Fig. biopsy size with a conisation electrode with the following dimensions: 9 mm width x 12 mm depth

All 2.4 mm conisation electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
ME109.25S10 (ø 2.4 mm shaft)
ME4109.25S10 (ø 4.0 mm shaft)

## ActiLine conisation electrodes

Fig. conisation electrode 25 mm width (B) x 10 mm depth (A)

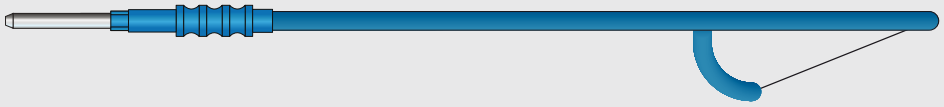


Fig. conisation electrode 25 mm width (B) x 15 mm depth (A)

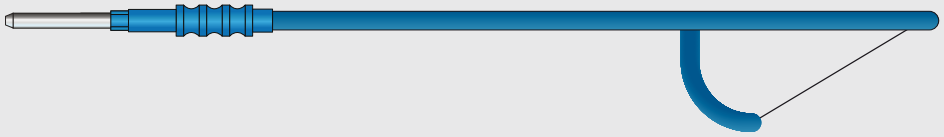
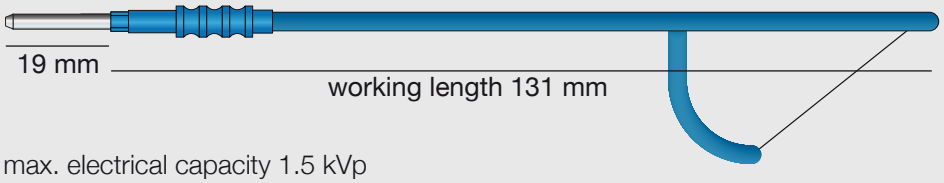


Fig. conisation electrode 25 mm width (B) x 20 mm depth (A)



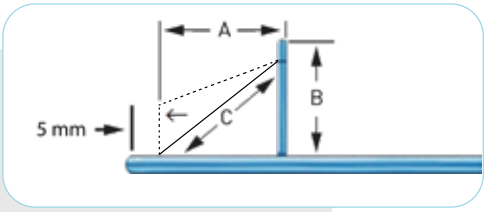

max. electrical capacity 1.5 kVp

tungsten wire, wire thickness: 0.25 mm

| Item No. | Length | Working length | Depth (A) | Width (B) | Wire (C) | SU |
|---|---|---|---|---|---|---|
| ME109.25S10 | 150 mm | 131 mm | 25 mm | 10 mm | 27 mm | 10 pcs. |
| ME109.25S15 | 150 mm | 131 mm | 25 mm | 15 mm | 29 mm | 10 pcs. |
| ME109.25S20 | 150 mm | 131 mm | 25 mm | 20 mm | 32 mm | 10 pcs. |

# Monopolar HF electrodes

**ActiLine** single-use conisation electrodes made of tungsten with ø 2.4 mm and ø 4.0 mm shaft




## ActiLine conisation electrodes

Fig. conisation electrode 9 mm width (B) x 12 mm depth (A)

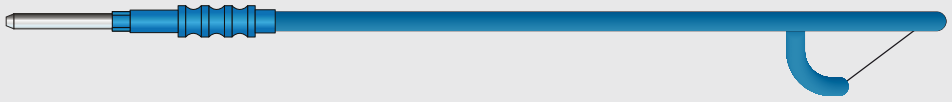


Fig. conisation electrode 9 mm width (B) x 20 mm depth (A)

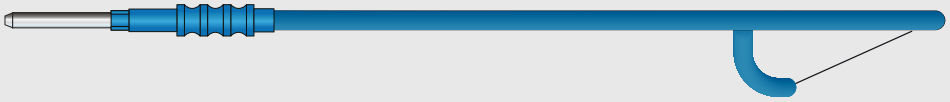


Fig. conisation electrode 12 mm width (B) x 15 mm depth (A)

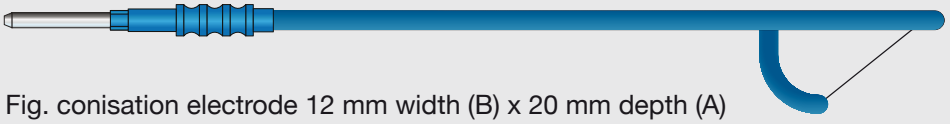


Fig. conisation electrode 12 mm width (B) x 20 mm depth (A)

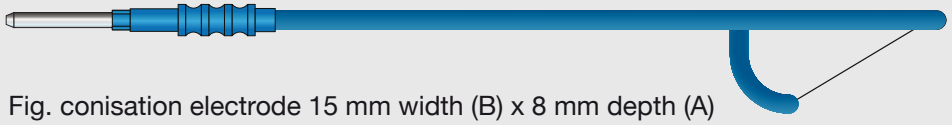


Fig. conisation electrode 15 mm width (B) x 8 mm depth (A)

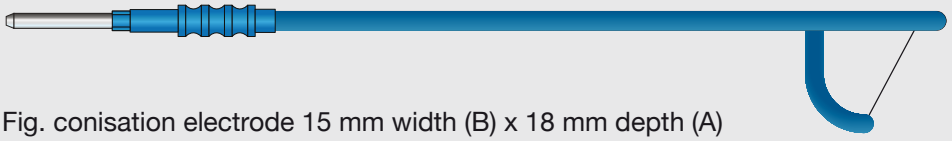
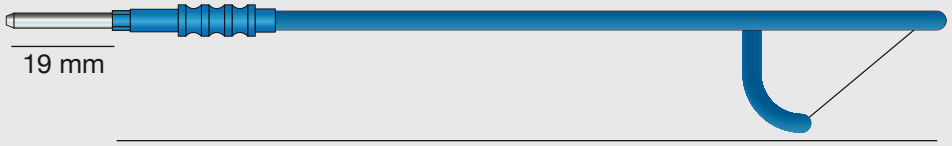


Fig. conisation electrode 15 mm width (B) x 18 mm depth (A)




max. electrical capacity 1.5 kVp

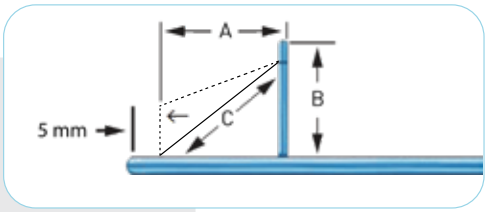
tungsten wire, wire thickness: 0.25 mm

| Item No. | Length | Working length | Depth (A) | Width (B) | Wire (C) | SU |
|---|---|---|---|---|---|---|
| ME107.09S12 | 150 mm | 131 mm | 12 mm | 9 mm | 15 mm | 10 pcs. |
| ME107.09S20 | 150 mm | 131 mm | 20 mm | 9 mm | 22 mm | 10 pcs. |
| ME107.12S15 | 150 mm | 131 mm | 15 mm | 12 mm | 19 mm | 10 pcs. |
| ME107.12S20 | 150 mm | 131 mm | 20 mm | 12 mm | 23 mm | 10 pcs. |
| ME107.15S08 | 150 mm | 131 mm | 8 mm | 15 mm | 17 mm | 10 pcs. |
| ME107.15S18 | 150 mm | 131 mm | 18 mm | 15 mm | 23 mm | 10 pcs. |

All 2.4 mm conisation electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME107.09S12 (ø 2.4 mm shaft)
ME4107.09S12 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use conisation electrodes made of tungsten with ø 2.4 mm and ø 4.0 mm shaft




## ActiLine conisation electrodes

Fig. conisation electrode 9 mm angled width (B) x 12 mm depth (A)

Fig. conisation electrode 9 mm angled width (B) x 20 mm depth (A)

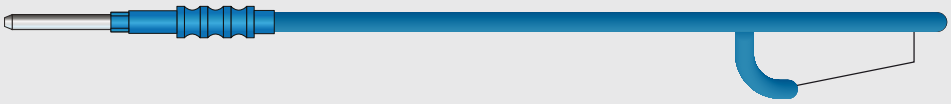


Fig. conisation electrode 12 mm angled width (B) x 15 mm depth(A)

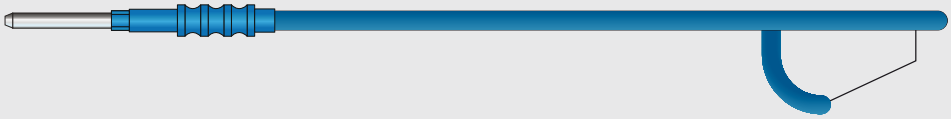


Fig. conisation electrode 12 mm angled width (B) x 20 mm depth (A)

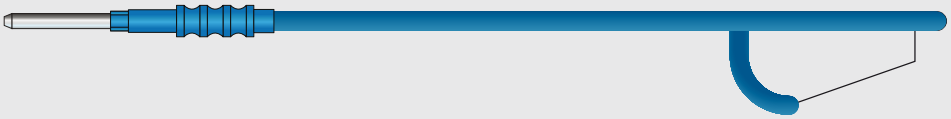


Fig. conisation electrode 15 mm angled width (B) x 8 mm depth (A)

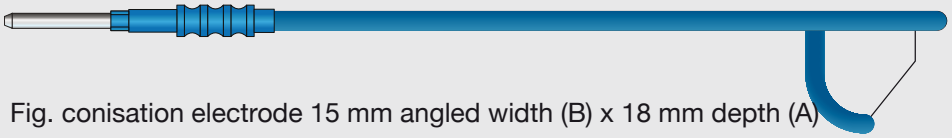
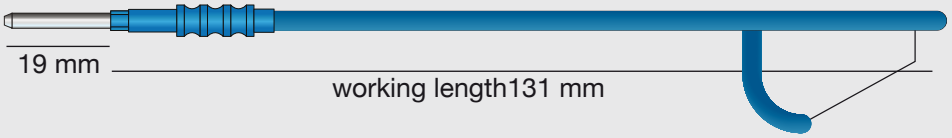


Fig. conisation electrode 15 mm angled width (B) x 18 mm depth (A)




max. electrical capacity 4.3 kVp

tungsten wire, wire thickness: 0.25 mm

| Item No. | Length | Working length | Depth (A) | Width (B) | Wire (C) | SU |
|---|---|---|---|---|---|---|
| ME108.09S12 | 150 mm | 131 mm | 12 mm | 9 mm | 11 mm | 10 pcs. |
| ME108.09S20 | 150 mm | 131 mm | 20 mm | 9 mm | 17 mm | 10 pcs. |
| ME108.12S15 | 150 mm | 131 mm | 15 mm | 12 mm | 16 mm | 10 pcs. |
| ME108.12S20 | 150 mm | 131 mm | 20 mm | 12 mm | 19 mm | 10 pcs. |
| ME108.15S08 | 150 mm | 131 mm | 8 mm | 15 mm | 15 mm | 10 pcs. |
| ME108.15S18 | 150 mm | 131 mm | 18 mm | 15 mm | 20 mm | 10 pcs. |

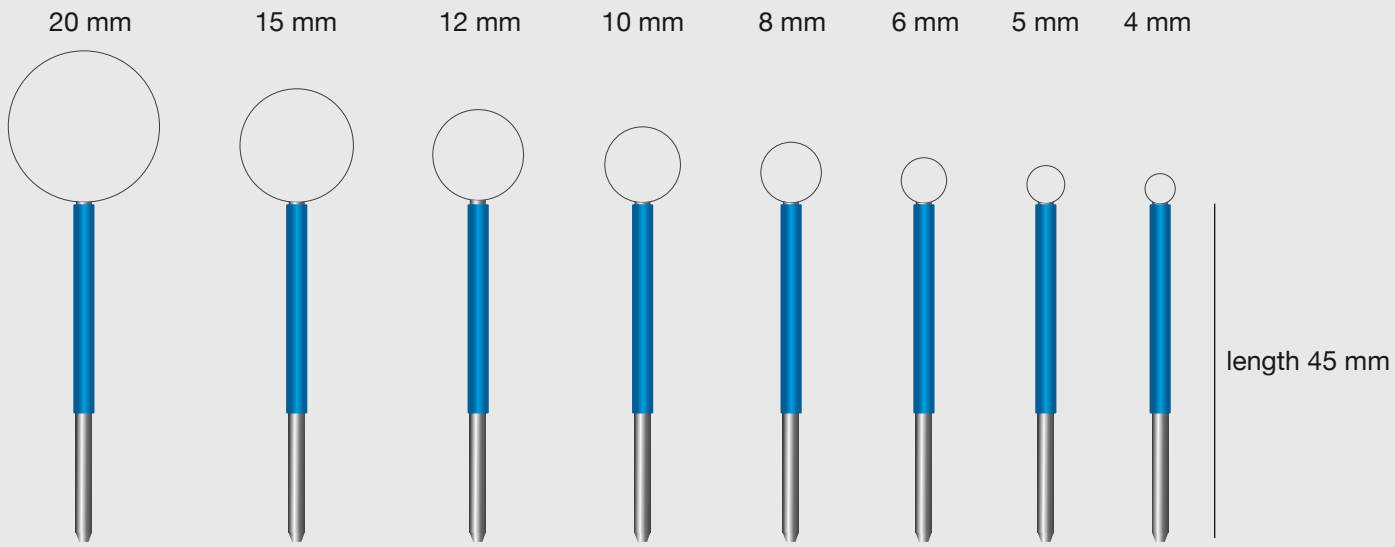
All 2.4 mm conisation electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME108.09S12 (ø 2.4 mm shaft)
ME4108.09S12 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use wire loop electrodes with ø 2.4 mm and ø 4.0 mm shaft

## Wire loop electrode, round, insulated

Fig. wire loop electrode, round, insulated, length 45 mm




max. electrical capacity 1.5 kVp

steel wire*, wire thickness: 0.3 mm

*: also available with tungsten wire or hex lock, please contact us.

| Item No. | ø Loop | Length | SU |
|---|---|---|---|
| ME103.045S04 | 4 mm | 45 mm | 10 pcs. |
| ME103.045S05 | 5 mm | 45 mm | 10 pcs. |
| ME103.045S06 | 6 mm | 45 mm | 10 pcs. |
| ME103.045S08 | 8 mm | 45 mm | 10 pcs. |
| ME103.045S10 | 10 mm | 45 mm | 10 pcs. |
| ME103.045S12 | 12 mm | 45 mm | 10 pcs. |
| ME103.045S15 | 15 mm | 45 mm | 10 pcs. |
| ME103.045S20 | 20 mm | 45 mm | 10 pcs. |

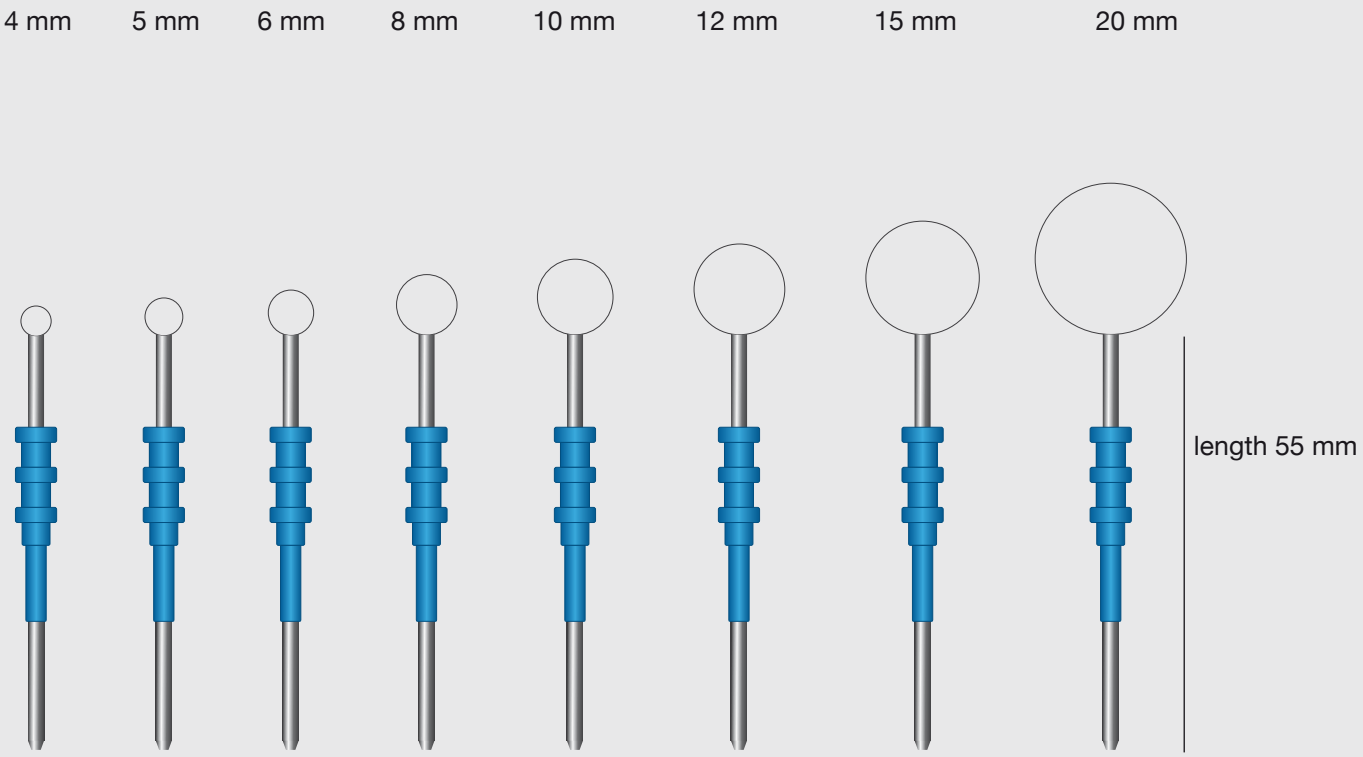
All 2.4 mm wire loop electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME103.045S10 (ø 2.4 mm shaft)
ME4103.045S10 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use wire loop electrodes with ø 2.4 mm and ø 4.0 mm shaft

## Wire loop electrode, round

Fig. wire loop electrode, round, length 55 mm




max. electrical capacity 1.5 kVp

steel wire*, wire thickness: 0.3 mm

*: also available with tungsten wire or hex lock, please contact us.

| Item No. | ø Loop | Length | SU |
|---|---|---|---|
| ME103.055S04 | 4 mm | 55 mm | 10 pcs. |
| ME103.055S05 | 5 mm | 55 mm | 10 pcs. |
| ME103.055S06 | 6 mm | 55 mm | 10 pcs. |
| ME103.055S08 | 8 mm | 55 mm | 10 pcs. |
| ME103.055S10 | 10 mm | 55 mm | 10 pcs. |
| ME103.055S12 | 12 mm | 55 mm | 10 pcs. |
| ME103.055S15 | 15 mm | 55 mm | 10 pcs. |
| ME103.055S20 | 20 mm | 55 mm | 10 pcs. |

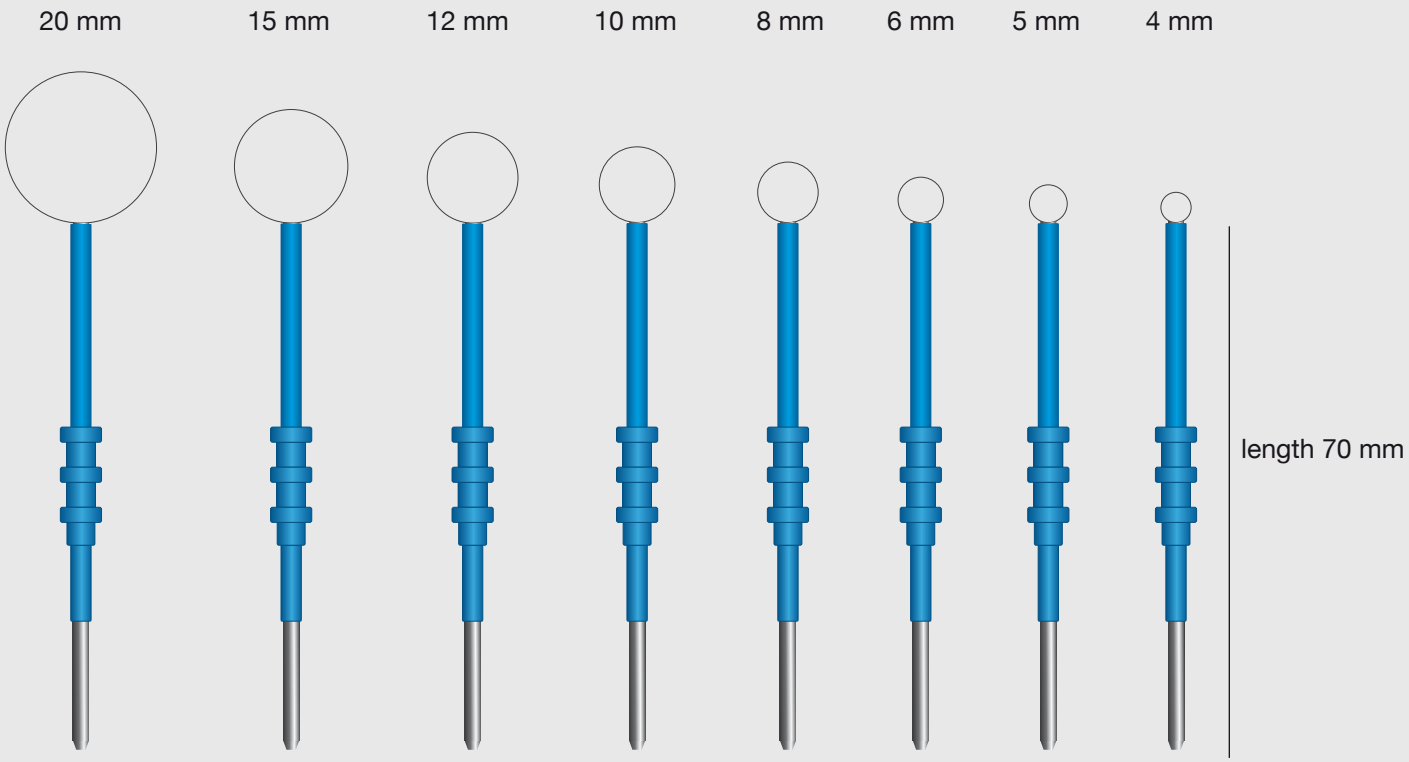
All 2.4 mm wire loop electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME103.055S10 (ø 2.4 mm shaft)
ME4103.055S10 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use wire loop electrodes with ø 2.4 mm and ø 4.0 mm shaft

## Wire loop electrode, round, insulated

Fig. wire loop electrode, round, linsulated, length 70 mm




max. electrical capacity 1.5 kVp

steel wire*, wire thickness: 0.3 mm

*: also available with tungsten wire or hex lock, please contact us..

| Item No. | ø Loop | Length | SU |
|---|---|---|---|
| ME103.070S04 | 4 mm | 70 mm | 10 pcs. |
| ME103.070S05 | 5 mm | 70 mm | 10 pcs. |
| ME103.070S06 | 6 mm | 70 mm | 10 pcs. |
| ME103.070S08 | 8 mm | 70 mm | 10 pcs. |
| ME103.070S10 | 10 mm | 70 mm | 10 pcs. |
| ME103.070S12 | 12 mm | 70 mm | 10 pcs. |
| ME103.070S15 | 15 mm | 70 mm | 10 pcs. |
| ME103.070S20 | 20 mm | 70 mm | 10 pcs. |

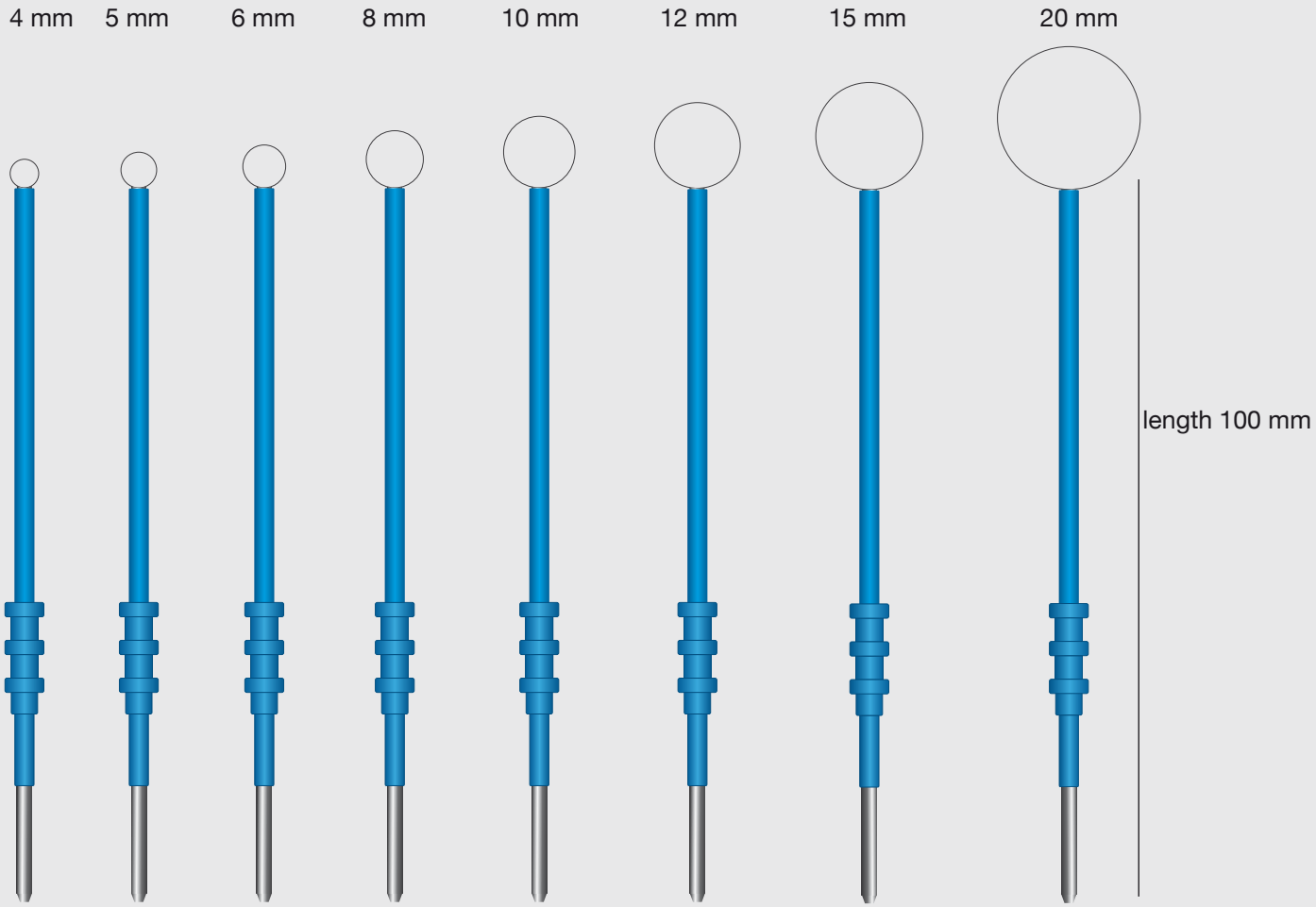
All 2.4 mm wire loop electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME103.070S12 (ø 2.4 mm shaft)
ME4103.070S12 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use wire loop electrodes with ø 2.4 mm and ø 4.0 mm shaft

## Wire loop electrode, round, insulated

Fig. wire loop electrode, round, length 100 mm




max. electrical capacity 1.5 kVp

steel wire*, wire thickness: 0.3 mm

*: also available with tungsten wire or hex lock, please contact us.

| Item No. | ø Loop | Length | SU |
|---|---|---|---|
| ME103.100S04 | 4 mm | 100 mm | 10 pcs. |
| ME103.100S05 | 5 mm | 100 mm | 10 pcs. |
| ME103.100S06 | 6 mm | 100 mm | 10 pcs. |
| ME103.100S08 | 8 mm | 100 mm | 10 pcs. |
| ME103.100S10 | 10 mm | 100 mm | 10 pcs. |
| ME103.100S12 | 12 mm | 100 mm | 10 pcs. |
| ME103.100S15 | 15 mm | 100 mm | 10 pcs. |
| ME103.100S20 | 20 mm | 100 mm | 10 pcs. |

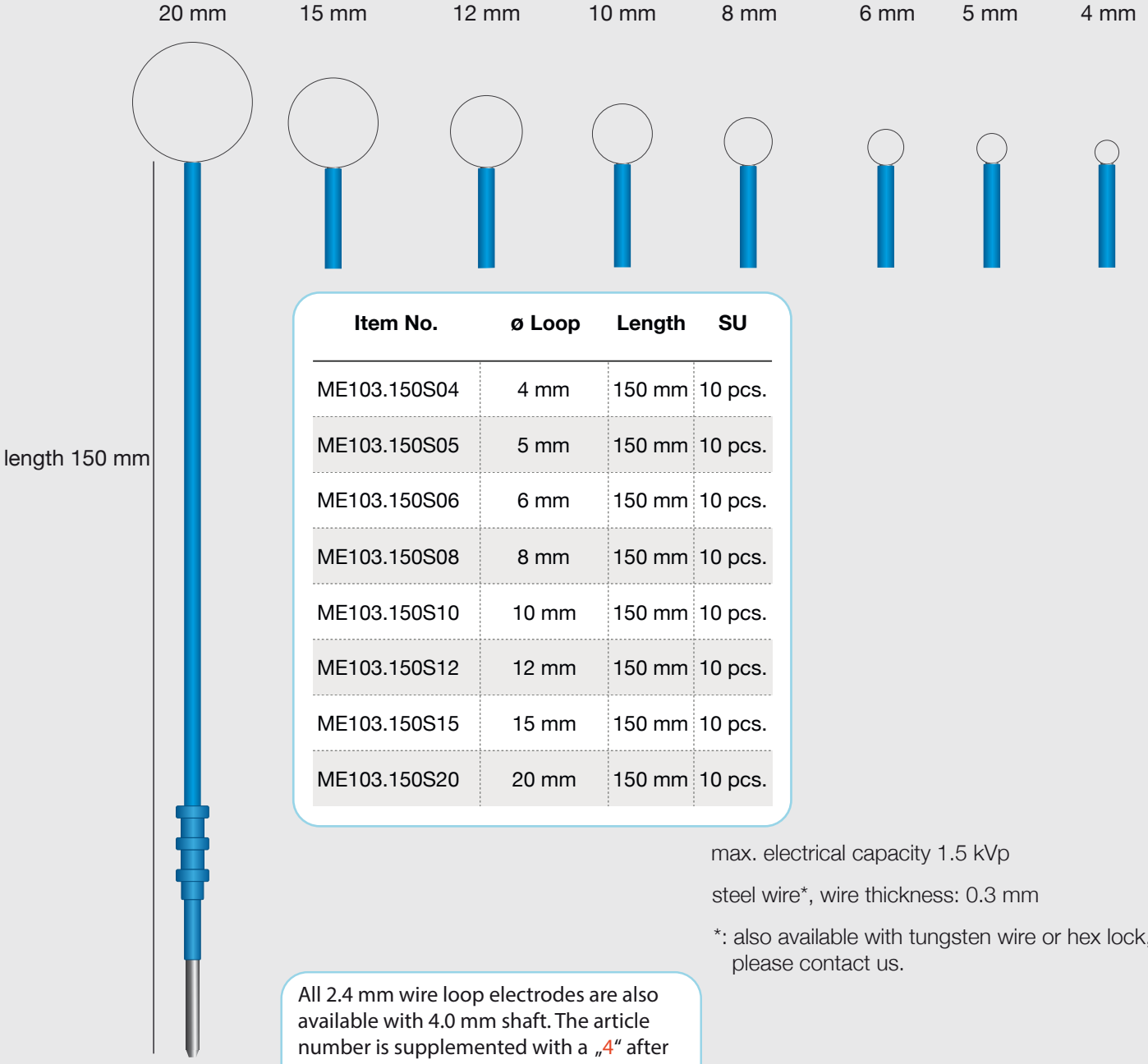
All 2.4 mm wire loop electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME103.100S12 (ø 2.4 mm shaft)
ME4103.100S12 (ø 4.0 mm shaft)

# Monopolar HF electrodes

***ActiLine ActiLine*** single-use wire loop electrodes with ø 2.4 mm and ø 4.0 mm shaft

## Wire loop electrode, round, insulated

Fig. wire loop electrode, round, insulated, length 150 mm




| Item No. | ø Loop | Length | SU |
|---|---|---|---|
| ME103.150S04 | 4 mm | 150 mm | 10 pcs. |
| ME103.150S05 | 5 mm | 150 mm | 10 pcs. |
| ME103.150S06 | 6 mm | 150 mm | 10 pcs. |
| ME103.150S08 | 8 mm | 150 mm | 10 pcs. |
| ME103.150S10 | 10 mm | 150 mm | 10 pcs. |
| ME103.150S12 | 12 mm | 150 mm | 10 pcs. |
| ME103.150S15 | 15 mm | 150 mm | 10 pcs. |
| ME103.150S20 | 20 mm | 150 mm | 10 pcs. |

max. electrical capacity 1.5 kVp

steel wire*, wire thickness: 0.3 mm

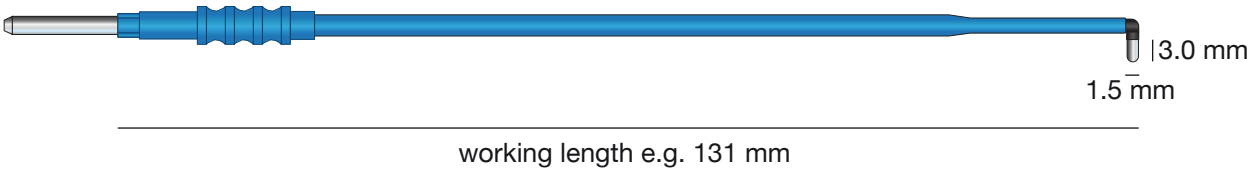
*: also available with tungsten wire or hex lock, please contact us.

All 2.4 mm wire loop electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4“ after the first two letters.
e.g.:
ME103.100S12 (ø 2.4 mm shaft)
ME4103.100S12 (ø 4.0 mm shaft)

# Monopolar HF electrodes

**ActiLine** single-use arthroscopy electrodes with ø 2.4 mm and ø 4.0 mm shaft

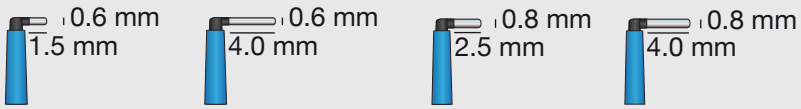
Fig. Keying / Probe electrode, angled 90°, ø blade 1.5 mm, length 150 mm




## ActiLine arthroscopy electrodes - models

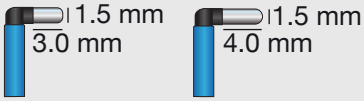
max. electrical capacity 1.5 kVp

needle electrode, angled 90°:




knife electrode, angled 45°:

Keying / Probe electrode, angled 90°:




All 2.4 mm arthroscopy electrodes are also available with 4.0 mm shaft. The article number is supplemented with a „4" after the first two letters.
e.g.:
MAE01.150S030D015 (ø 2.4 mm shaft)
MAE401.150S030D015 (ø 4.0 mm shaft)

| Item No. | Specifications | Tip | Length | Working length | SU |
|---|---|---|---|---|---|
| MAE01.150S030D015 | Keying/Probe electrode, 90° angled | 3.0 mm x 1.5 mm | 150 mm | 131 mm | 10 pcs. |
| MAE01.150S040D015 | Keying/Probe electrode, 90° angled | 4.0 mm x 1.5 mm | 150 mm | 131 mm | 10 pcs. |
| MAE02.150S015D006 | needle electrode, 90° angled | 1.5 mm x 0.6 mm | 150 mm | 131 mm | 10 pcs. |
| MAE02.150S040D006 | needle electrode, 90° angled | 4.0 mm x 0.6 mm | 150 mm | 131 mm | 10 pcs. |
| MAE02.150S025D008 | needle electrode, 90° angled | 2.5 mm x 0.8 mm | 150 mm | 131 mm | 10 pcs. |
| MAE02.150S040D008 | needle electrode, 90° angled | 4.0 mm x 0.8 mm | 150 mm | 131 mm | 10 pcs. |
| MAE03.150S040D015 | knife electrode, 45° angled | 4.0 mm x 1.5 mm | 150 mm | 131 mm | 10 pcs. |
| MAE01.210S030D015 | Keying/Probe electrode, 90° angled | 3.0 mm x 1.5 mm | 210 mm | 191 mm | 10 pcs. |
| MAE01.210S040D015 | Keying/Probe electrode, 90° angled | 4.0 mm x 1.5 mm | 210 mm | 191 mm | 10 pcs. |
| MAE02.210S015D006 | needle electrode, 90° angled | 1.5 mm x 0.6 mm | 210 mm | 191 mm | 10 pcs. |
| MAE02.210S040D006 | needle electrode, 90° angled | 4.0 mm x 0.6 mm | 210 mm | 191 mm | 10 pcs. |
| MAE02.210S025D008 | needle electrode, 90° angled | 2.5 mm x 0.8 mm | 210 mm | 191 mm | 10 pcs. |
| MAE02.210S040D008 | needle electrode, 90° angled | 4.0 mm x 0.8 mm | 210 mm | 191 mm | 10 pcs. |
| MAE03.210S040D015 | knife electrode, 45° angled | 4.0 mm x 1.5 mm | 210 mm | 191 mm | 10 pcs. |

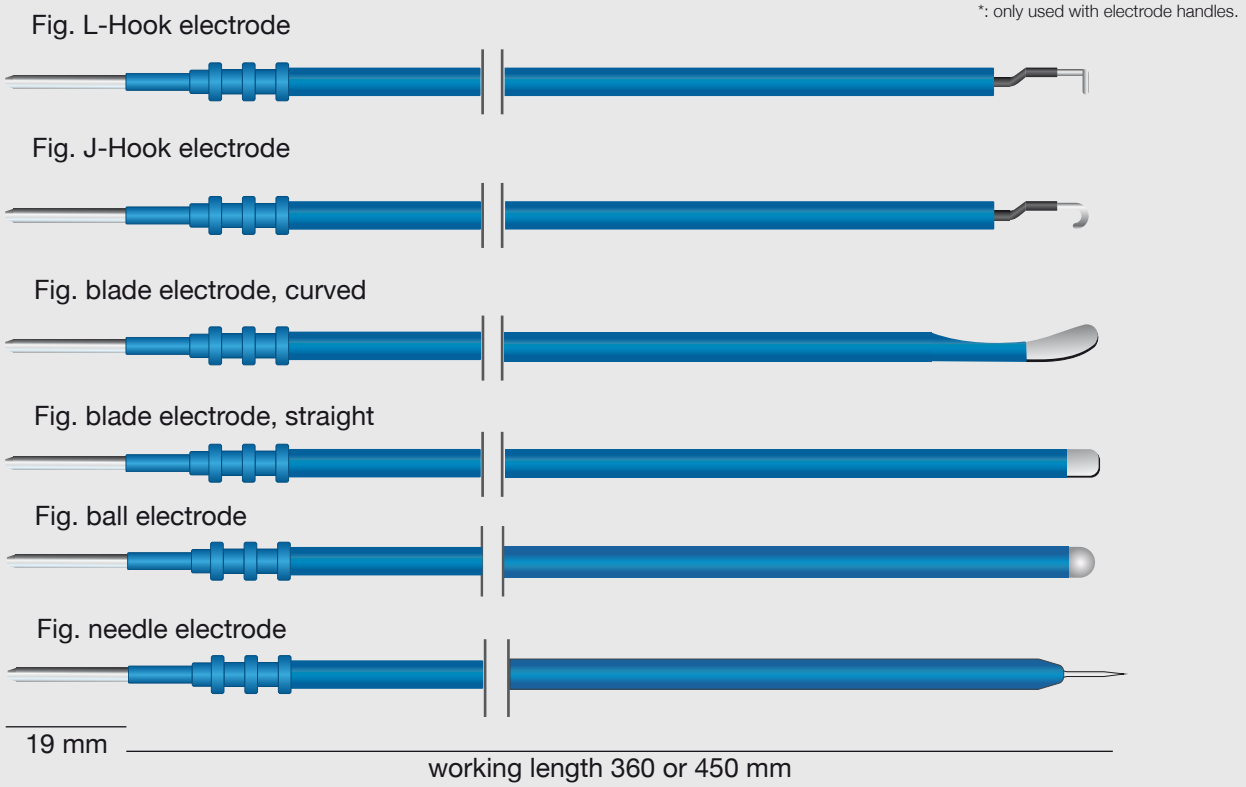
# Monopolar HF electrodes

**ActiLine** single-use laparoscopy elctrodes with ø 2.4 mm shaft, suitable for 5.0 mm trocars

## ActiLine laparoscopy electrodes*

max. electrical capacity 1.5 kVp

*: only used with electrode handles.




## laparoscopy electrodes - uncoated

| Item No. | Specifications | Working length | SU |
|---|---|---|---|
| MLE01.360S05 | L-Hook | 360 mm | 10 pcs. |
| MLE01.450S05 | L-Hook | 450 mm | 10 pcs. |
| MLE02.360S05 | J-Hook | 360 mm | 10 pcs. |
| MLE02.450S05 | J-Hook | 450 mm | 10 pcs. |
| MLE03.360S05 | blade electrode, curved | 360 mm | 10 pcs. |
| MLE03.450S05 | blade electrode, curved | 450 mm | 10 pcs. |
| MLE04.360S05 | blade electrode, straight | 360 mm | 10 pcs. |
| MLE04.450S05 | blade electrode, straight | 450 mm | 10 pcs. |
| MLE05.360S05 | ball electrode | 360 mm | 10 pcs. |
| MLE05.450S05 | ball electrode | 450 mm | 10 pcs. |
| MLE06.360S05 | needle electrode | 360 mm | 10 pcs. |
| MLE06.450S05 | needle electrode | 450 mm | 10 pcs. |

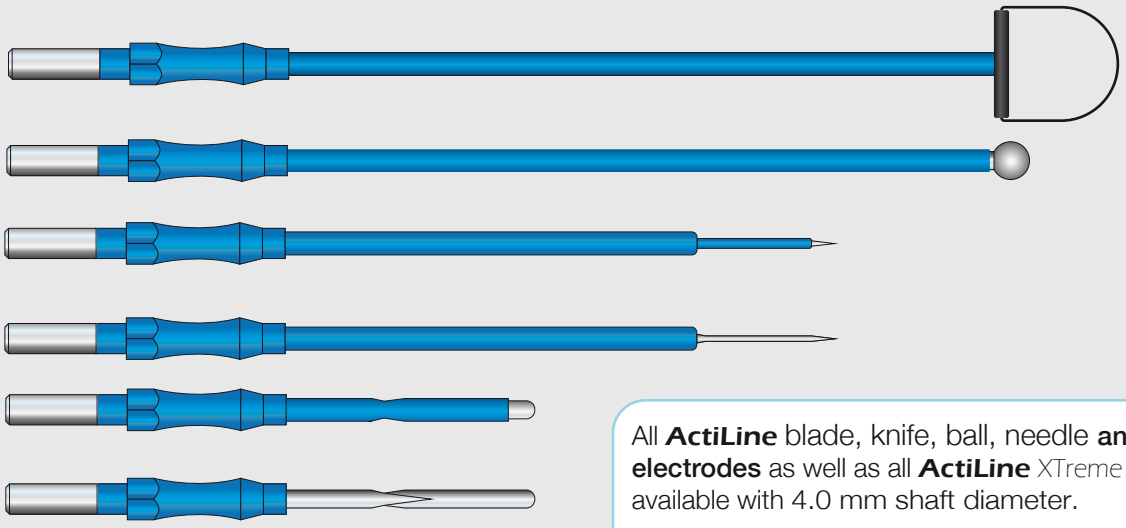
## laparoscopy electrodes -titanium coated

| Item No. | Specifications | Working length | SU |
|---|---|---|---|
| MLE01.360SN05 | L-Hook | 360 mm | 10 pcs. |
| MLE01.450SN05 | L-Hook | 450 mm | 10 pcs. |
| MLE02.360NS05 | J-Hook | 360 mm | 10 pcs. |
| MLE02.450SN05 | J-Hook | 450 mm | 10 pcs. |
| MLE03.360SN05 | blade electrode, curved | 360 mm | 10 pcs. |
| MLE03.450SN05 | blade electrode, curved | 450 mm | 10 pcs. |
| MLE04.360SN05 | blade electrode, straight | 360 mm | 10 pcs. |
| MLE04.450SN05 | blade electrode, straight | 450 mm | 10 pcs. |
| MLE05.360SN05 | ball electrode | 360 mm | 10 pcs. |
| MLE05.450SN05 | ball electrode | 450 mm | 10 pcs. |
| MLE06.360SN05 | needle electrode | 360 mm | 10 pcs. |
| MLE06.450SN05 | needle electrode | 450 mm | 10 pcs. |

# Monopolar HF electrodes

**ActiLine** single-use electrodes with ø 4.0 mm shaft

## **ActiLine** single-use electrode - with ø 4.0 mm shaft



All **ActiLine** blade, knife, ball, needle **and some LLETZ electrodes** as well as all **ActiLine** XTreme electrodes are available with 4.0 mm shaft diameter.

(item no.: same as single-use electrodes with ø 2.4 mm shaft only add „**4**“ after the letters. e.g.: ME**4**.. / MLE**4**..).

## **ActiLine** single-use electrodes - special models with ø 4.0

| Specifications | Item No. | Description | Length | SU |
|---|---|---|---|---|
| uncoated | ME4201.055S20 | blade electrode | 55 mm | 10 pcs. |
| uncoated | ME4951.055S20 | needle electrode, straight | 55 mm | 10 pcs. |
| uncoated | ME4952.055S20 | needle electrode, angled | 55 mm | 10 pcs. |
| insulated | ME4951.055S03 | needle electrode, straight | 55 mm | 10 pcs. |
| insulated | ME4952.055S03 | needle electrode, angled | 55 mm | 10 pcs. |
| Tatanium coated | ME4201.055SN20 | blade electrode | 55 mm | 10 pcs. |
| Tatanium coated | ME4951.055SN20 | needle electrode, straight | 55 mm | 10 pcs. |
| Tatanium coated | ME4952.055SN20 | needle electrode, angled | 55 mm | 10 pcs. |
| insulated, Titanium coated | ME4951.055SN03 | needle electrode, straight | 55 mm | 10 pcs. |
| insulated, Titanium coated | ME4952.055SN03 | needle electrode, angled | 55 mm | 10 pcs. |

Fig. uncoated - straight tip

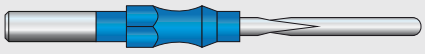


Fig. uncoated - straight tip

Fig. insulated - straight tip

Fig. uncoated - angled tip

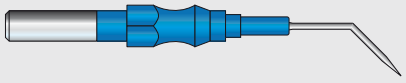
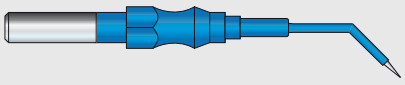


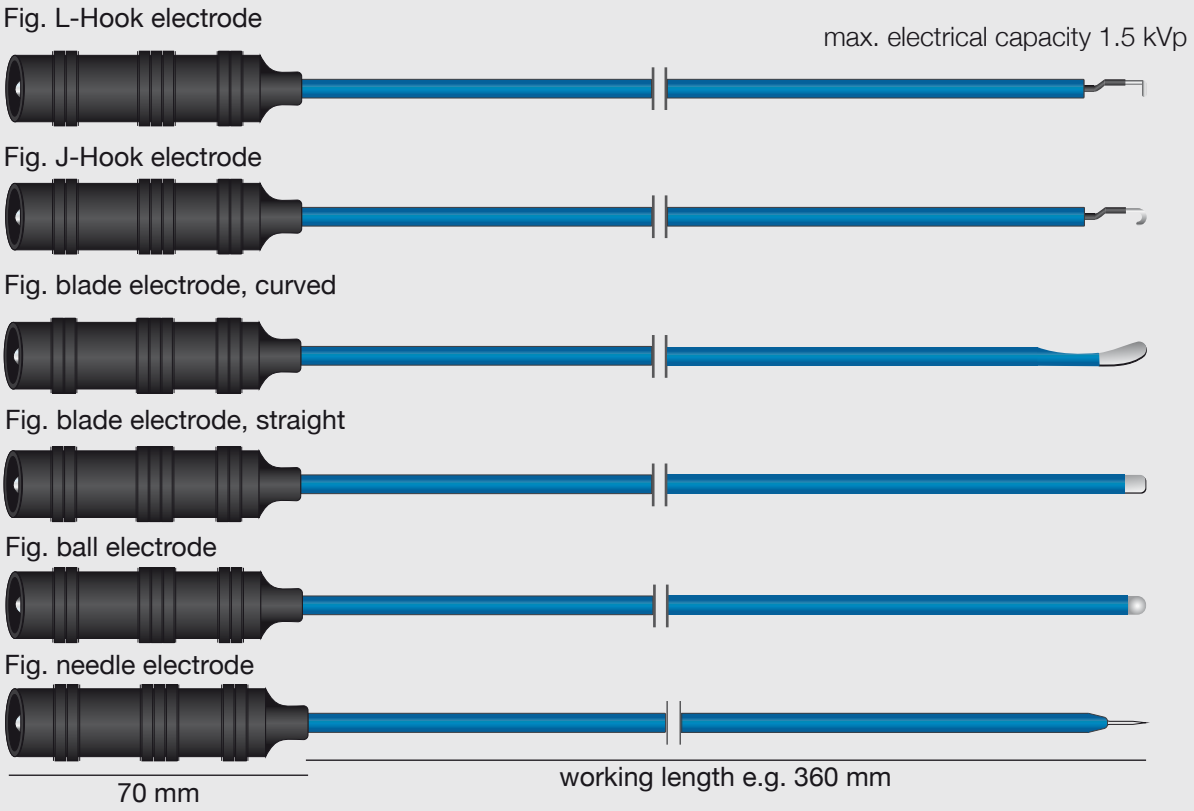
Fig. insulated - angled tip



# Monopolar HF electrodes

**ActiLine** single-use laparoscopy electrodes with ø 4.0 mm shaft
suitable for 5.0 mm trocars

## ActiLine single-use laparoscopy electrodes




## laparoscopy electrodes - uncoated

| Item No. | Specifications | Working length | SU |
|---|---|---|---|
| MLE401.360S05 | L-Hook | 360 mm | 10 pcs. |
| MLE401.450S05 | L-Hook | 450 mm | 10 pcs. |
| MLE402.360S05 | J-Hook | 360 mm | 10 pcs. |
| MLE402.450S05 | J-Hook | 450 mm | 10 pcs. |
| MLE403.360S05 | blade electrode, curved | 360 mm | 10 pcs. |
| MLE403.450S05 | blade electrode, curved | 450 mm | 10 pcs. |
| MLE404.360S05 | blade electrode, straight | 360 mm | 10 pcs. |
| MLE404.450S05 | blade electrode, straight | 450 mm | 10 pcs. |
| MLE405.360S05 | ball electrode | 360 mm | 10 pcs. |
| MLE405.450S05 | ball electrode | 450 mm | 10 pcs. |
| MLE406.360S05 | needle electrode | 360 mm | 10 pcs. |
| MLE406.450S05 | needle electrode | 450 mm | 10 pcs. |

## laparoscopy electrodes - titanium coated

| Item No. | Specifications | Working length | SU |
|---|---|---|---|
| MLE401.360SN05 | L-Hook | 360 mm | 10 pcs. |
| MLE401.450SN05 | L-Hook | 450 mm | 10 pcs. |
| MLE402.360NS05 | J-Hook | 360 mm | 10 pcs. |
| MLE402.450SN05 | J-Hook | 450 mm | 10 pcs. |
| MLE403.360SN05 | blade electrode, curved | 360 mm | 10 pcs. |
| MLE403.450SN05 | blade electrode, curved | 450 mm | 10 pcs. |
| MLE404.360SN05 | blade electrode, straight | 360 mm | 10 pcs. |
| MLE404.450SN05 | blade electrode, straight | 450 mm | 10 pcs. |
| MLE405.360SN05 | ball electrode | 360 mm | 10 pcs. |
| MLE405.450SN05 | ball electrode | 450 mm | 10 pcs. |
| MLE406.360SN05 | needle electrode | 360 mm | 10 pcs. |
| MLE406.450SN05 | needle electrode | 450 mm | 10 pcs. |

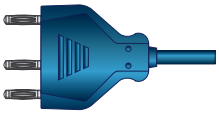
# Monopolar HF electrodes

**ActiLine** single-use connecting cables for laparoscopy / endoscopy electrodes and single-use blade electrodes with ø 4.0 mm shaft

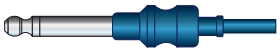
## Accessories:

### Monopolar connecting cable for laparoscopy and endoscopy electrodes with 4.0 mm shaft

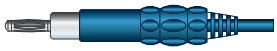
**Generator side plug:**



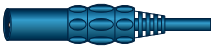
International 3-Pin
Valleylab, Bowa, ERBE international, Martin international



Bovie Standard
Bovie, Bowa, Valleylab



ERBE Standard
ERBE ACC/ICC/VIO, Karl Storz

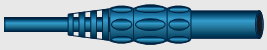


Martin Standard
Martin / KLS Martin, Berchtold, Aesculap

US Standard / Banana Plug
ERBE T-Series (MO4)

| Item No. | Specifications | Cable length | SU |
|---|---|---|---|
| FD101MC01S3 | US Standard | 3 m | 10 pcs. |
| FD102MC01S3 | Bovie Standard | 3 m | 10 pcs. |
| FD103MC01S3 | International 3 Pin | 3 m | 10 pcs. |
| FD104MC01S3 | Martin Standard | 3 m | 10 pcs. |
| FD105MC01S3 | ERBE Standard | 3 m | 10 pcs. |
| FD101MC01S5 | US Standard | 5 m | 10 pcs. |
| FD102MC01S5 | Bovie Standard | 5 m | 10 pcs. |
| FD103MC01S5 | International 3 Pin | 5 m | 10 pcs. |
| FD104MC01S5 | Martin Standard | 5 m | 10 pcs. |
| FD105MC01S5 | ERBE Standard | 5 m | 10 pcs. |

**Instrument side plug**

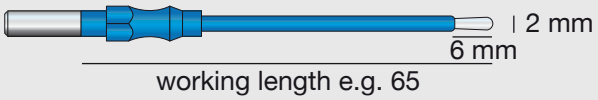


ø 4.0 mm

### Special model: blade electrode, cutting with 4.0 mm shaft

**ActiLine blade electrode - cutting**

Fig. blade electrode, cutting, with 4.0 mm shaft, ø blade 2 mm




max. electrical capacity 4.3 kVp

| Specifications | Item No. | Knife | Length | Working length | SU |
|---|---|---|---|---|---|
| uncoated | ME4211.062S06 | 2 mm x 6 mm | 62 mm | 50 mm | 10 pcs. |
| uncoated | ME4211.077S06 | 2 mm x 6 mm | 77 mm | 65 mm | 10 pcs. |
| Titanium coated | ME4211.062SN06 | 2 mm x 6 mm | 62 mm | 50 mm | 10 pcs. |
| Titanium coated | ME4211.077SN06 | 2 mm x 6 mm | 77 mm | 65 mm | 10 pcs. |

# Monopolar HF electrodes

Bovie single-use blade electrodes with ø 2.35 mm (3/32“) shaft

Ribbed injection-moulded handle facilitates changes even in wet conditions

## blade electrode - short

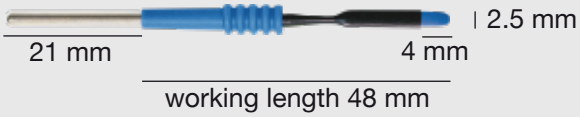
max. electrical capacity 4.0 kVp

uncoated

Resistick II coated

insulated

insulated, Resistick II coated



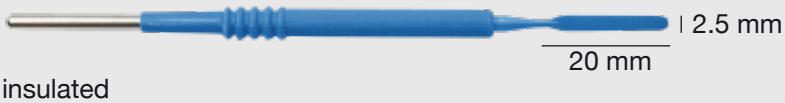

| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.ES10.ES01 | 50 pcs. |
| Resistick II coated | BO.ER10.ES01T | 12 pcs. |
| insulated | BO.ES11.ES37 | 25 pcs. |
| insulated, Resistick II coated | BO.ER11.ES37T | 12 pcs. |

## blade electrode - medium

max. electrical capacity 4.0 kVp

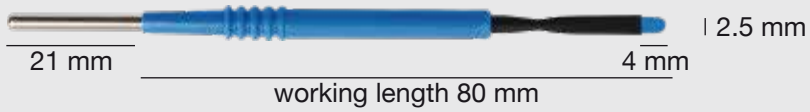
uncoated

Resistick II coated




insulated

insulated, Resistick II coated




| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.ES10.ES55 | 50 pcs. |
| Resistick II coated | BO.ER10.ES55T | 12 pcs. |
| insulated | BO.ES11.ES54 | 25 pcs. |
| insulated, Resistick II coated | BO.ER11.ES54T | 12 pcs. |

*: Resistick II™ blade, ball and needle electrodes are coated with a special PTFE (Polytetrafluorethylene). They glide through tissue because they do not build up scab. This makes them much more efficient during all surgical applications.

# Monopolar HF electrodes

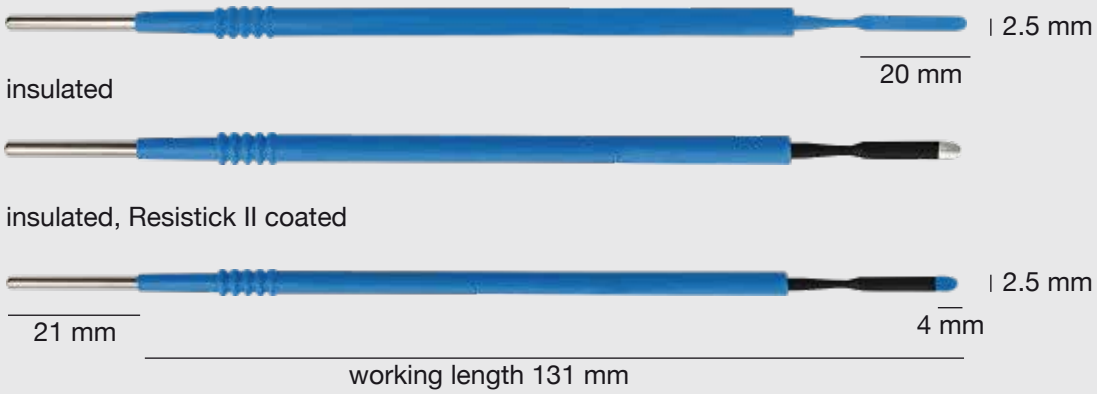
Bovie single-use blade electrodes with ø 2.35 mm (3/32“) shaft

## blade electrode - long

max. electrical capacity 4.0 kVp

uncoated

Resistick II coated



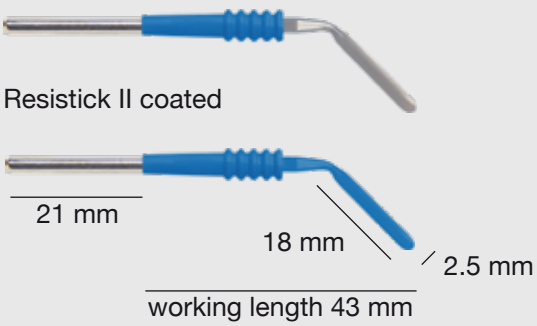

| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.ES10.ES04 | 50 pcs. |
| Resistick II coated | BO.ER10.ES04T | 12 pcs. |
| insulated | BO.ES11.ES39 | 25 pcs. |
| insulated, Resistick II coated | BO.ER11.ES39T | 12 pcs. |

## blade electrode - angled 45°

max. electrical capacity 4.0 kVp

uncoated

Resistick II coated




| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.ES10.ES18 | 5 pcs. |
| Resistick II coated | BO.ER10.ES18T | 12 pcs. |

# Monopolar HF electrodes

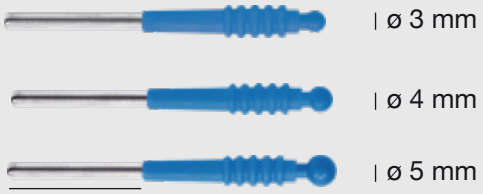
Bovie single-use ball electrodes with ø 2.35 mm (3/32“) shaft

## ball electrode - short

max. electrical capacity 4.0 kVp

uncoated

Resistick II coated

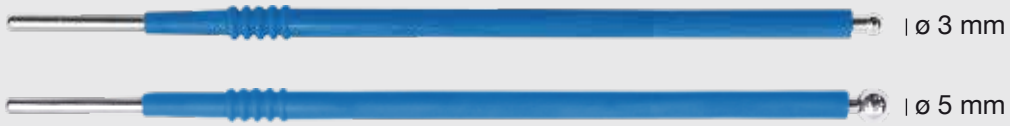



| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.ES20.ES50 | 25 pcs. |
| uncoated | BO.ES20.ES21 | 25 pcs. |
| uncoated | BO.ES20.ES20 | 25 pcs. |
| Resistick II coated | BO.ER20.ES50T | 12 pcs. |
| Resistick II coated | BO.ER20.ES21T | 12 pcs. |
| Resistick II coated | BO.ER20.ES20T | 12 pcs. |

## ball electrode - long

max. electrical capacity 4.0 kVp

uncoated




Resistick II coated

| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.ES20.ES06 | 5 pcs. |
| uncoated | BO.ES20.ES07 | 5 pcs. |
| Resistick II coated | BO.ER20.ES06T | 12 pcs. |
| Resistick II coated | BO.ER20.ES07T | 12 pcs. |

# Monopolar HF electrodes

Bovie single-use needle electrodes with ø 2.35 mm (3/32“) shaft

## needle electrode - kurz

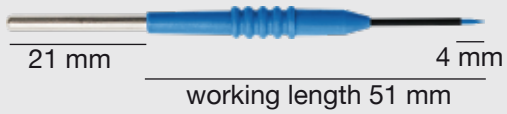
max. electrical capacity 4.0 kVp

uncoated

Resistick II coated

insulated

insulated Resistick II coated



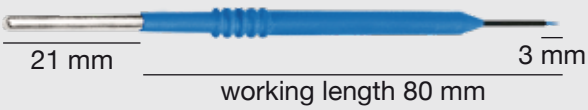

| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.ES30.ES02 | 25 pcs. |
| Resistick II coated | BO.ER30.ES02T | 12 pcs. |
| insulated, | BO.ES31.ES38 | 25 pcs. |
| insulated, Resistick II coated | BO.ER31.ES38T | 12 pcs. |

## Nadelelektrode - mittellang

max. electrical capacity 4.0 kVp

Resistick II coated

insulated, Resistick II coated




| Specifications | Item No. | SU |
|---|---|---|
| Resistick II coated | BO.ER30.ES56T | 12 pcs. |
| insulated, Resistick II coated | BO.ER31.ES57T | 12 pcs. |

# Monopolar HF electrodes

Bovie single-use needle electrodes with ø 2.35 mm (3/32“) shaft

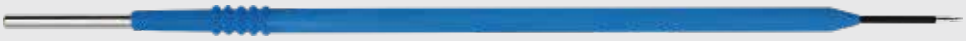
## needle electrode - long

max. electrical capacity 4.0 kVp

uncoated

Resistick II coated

insulated



insulated, Resistick II coated

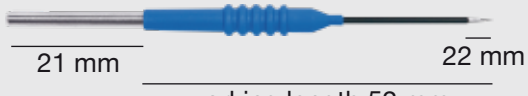
| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.ES30.ES03 | 25 pcs. |
| Resistick II coated | BO.ER30.ES03T | 12 pcs. |
| insulated | BO.ES31.ES40 | 25 pcs. |
| insulated, Resistick II coated | BO.ER31.ES40T | 12 pcs. |

## SuperCut needle electrode made of tungsten

max. electrical capacity 3.5 kVp

uncoated

insulated




| Specifications | Item No. | SU |
|---|---|---|
| uncoated | BO.SC10.ES60 | 5 pcs. |
| uncoated | BO.SC10.ES62 | 5 pcs. |
| insulated | BO.SC10.ES61 | 5 pcs. |
| insulated | BO.SC10.ES61HS | 5 pcs. |
| insulated | BO.SC10.ES63 | 5 pcs. |

# Monopolar HF electrodes

Bovie single-use laparoscopy electrodes for 2.35 mm (3/32“) handles

## uncoated laparoscopy electrodes - sterile

incl. 4 mm adapter

working length 330 mm

J-Hook wire electrode

standard blade electrode

L-Hook wire electrode

curved blade electrode

L-Hook electrode

ball electrode

needle electrode

spatula electrode

| Specifications | Item No. | Description | Adapter | SU |
|---|---|---|---|---|
| uncoated | BO.LE.10.LJ07 | J-Hook wire electrode | 4 mm | 5 pcs. |
| uncoated | BO.LE.10.LH08 | L-Hook wire electrode | 4 mm | 5 pcs. |
| uncoated | BO.LE.10.LH01 | L-Hook electrode | 4 mm | 5 pcs. |
| uncoated | BO.LE.10.LN03 | needle electrode | 4 mm | 5 pcs. |
| uncoated | BO.LE.10.LL06 | standard blade electrode | 4 mm | 5 pcs. |
| uncoated | BO.LE.10.LC04 | curved blade electrode | 4 mm | 5 pcs. |
| uncoated | BO.LE.10.LB02 | ball electrode | 4 mm | 5 pcs. |
| uncoated | BO.LE.10.LS05 | spatula electrode | 4 mm | 5 pcs. |

# Monopolar HF electrodes

Bovie single-use laparoscopy electrodes for 2.35 mm (3/32“) handles

## PTFE-coated laparoscopy electrodes - sterile

working length 330 mm

incl. 4 mm adapter

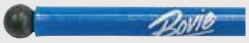
J-Hook wire electrode

standard blade electrode

L-Hook wire electrode

curved blade electrode

L-Hook electrode



ball electrode

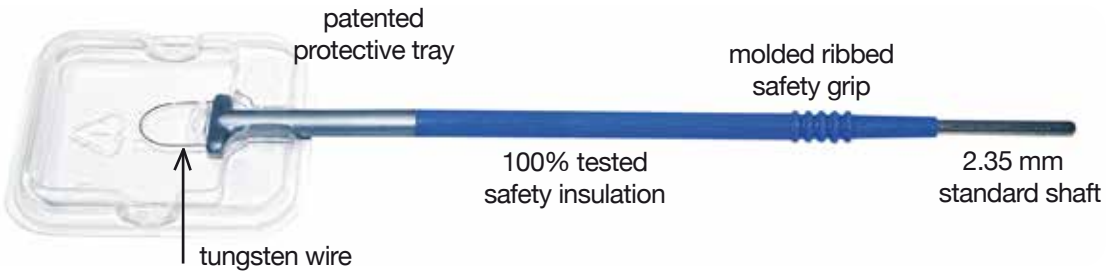
needle electrode

spatula electrode

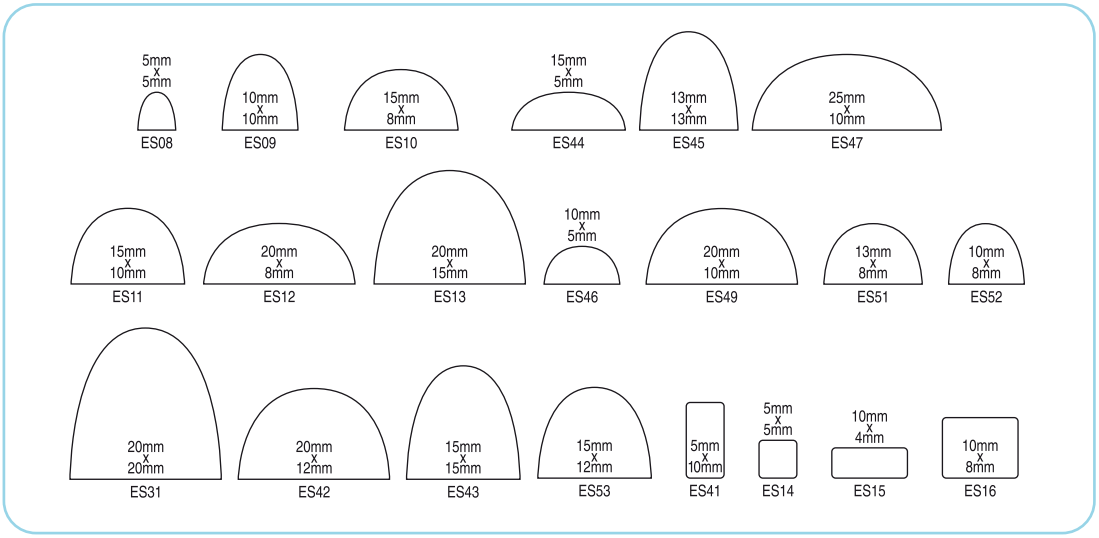
| Specifications | Item No. | Description | Adapter | SU |
|---|---|---|---|---|
| coated | BO.LE.10.LJ07BT | J-Hook wire electrode | 4 mm | 5 pcs. |
| coated | BO.LE.10.LH08BT | L-Hook wire electrode | 4 mm | 5 pcs. |
| coated | BO.LE.10.LH01BT | L-Hook electrode | 4 mm | 5 pcs. |
| coated | BO.LE.10.LN03BT | needle electrode | 4 mm | 5 pcs. |
| coated | BO.LE.10.LL06BT | standard blade electrode | 4 mm | 5 pcs. |
| coated | BO.LE.10.LC04BT | curved blade electrode | 4 mm | 5 pcs. |
| coated | BO.LE.10.LB02BT | ball electrode | 4 mm | 5 pcs. |
| coated | BO.LE.10.LS05BT | spatula electrode | 4 mm | 5 pcs. |

# Monopolar HF electrodes

Bovie single-use LLETZ electrodes made of tungsten, with 2.35 mm (3/32“) shaft




max. electrical capacity 3.5 kVp




| Item No. | Loop round | SU |
|---|---|---|
| BO.ES40.ES08 | 5 mm x 5 mm | 5 pcs. |
| BO.ES40.ES46 | 10 mm x 5 mm | 5 pcs. |
| BO.ES40.ES52 | 10 mm x 8 mm | 5 pcs. |
| BO.ES40.ES09 | 10 mm x 10 mm | 5 pcs. |
| BO.ES40.ES51 | 13 mm x 8 mm | 5 pcs. |
| BO.ES40.ES45 | 13 mm x 13 mm | 5 pcs. |
| BO.ES40.ES44 | 15 mm x 5 mm | 5 pcs. |
| BO.ES40.ES10 | 15 mm x 8 mm | 5 pcs. |
| BO.ES40.ES11 | 15 mm x 10 mm | 5 pcs. |
| BO.ES40.ES53 | 15 mm x 12 mm | 5 pcs. |
| BO.ES40.ES43 | 15 mm x 15 mm | 5 pcs. |
| BO.ES40.ES12 | 20 mm x 8 mm | 5 pcs. |
| BO.ES40.ES49 | 20 mm x 10 mm | 5 pcs. |
| BO.ES40.ES42 | 20 mm x 12 mm | 5 pcs. |
| BO.ES40.ES13 | 20 mm x 15 mm | 5 pcs. |
| BO.ES40.ES31 | 20 mm x 20 mm | 5 pcs. |
| BO.ES40.ES47 | 25 mm x 10 mm | 5 pcs. |

| Item No. | Loop squared | SU |
|---|---|---|
| BO.ES41.ES14 | 5 mm x 5 mm | 5 pcs. |
| BO.ES41.ES41 | 5 mm x 10 mm | 5 pcs. |
| BO.ES41.ES15 | 10 mm x 4 mm | 5 pcs. |
| BO.ES41.ES16 | 10 mm x 8 mm | 5 pcs. |

# Monopolar HF electrodes

Bovie single-use wire loops electrodes made of tungsten, with 2.35 mm (3/32“) shaft

## Wire loop with insulated neck

**wire thickness: 0.008“ = 0.2 mm**

max. electrical capacity 3.5 kVp

6.35 mm (1/4“) | 7.94 mm (5/16“) | 9.53 mm (3/8“) | 12.70 mm (1/2“) | 19.05 mm (3/4“)

## Wire loop without insulated neck

**wire thickness: 0.015“ = 0.38 mm (standard)**

max. electrical capacity 3.5 kVp

19.05 mm (3/4“) | 12.70 mm (1/2“) | 9.53 mm (3/8“) | 7.94 mm (5/16“) | 6.35 mm (1/4“)

| Item No. | Loop | Wire thickness | Insulated | SU |
|---|---|---|---|---|
| BO.EW40.ES22-8 | 6.35 mm (1/4“) | 0.2 mm (0.008“) | yes | 5 pcs. |
| BO.EW40.ES23-8 | 7.94 mm (5/16“) | 0.2 mm (0.008“) | yes | 5 pcs. |
| BO.EW40.ES24-8 | 9.53 mm (3/8“) | 0.2 mm (0.008“) | yes | 5 pcs. |
| BO.EW40.ES25-8 | 12.7 mm (1/2“) | 0.2 mm (0.008“) | yes | 5 pcs. |
| BO.EW40.ES26-8 | 19.05 mm (3/4“) | 0.2 mm (0.008“) | yes | 5 pcs. |
| BO.EW40.ES22 | 6.35 mm (1/4“) | 0.38 mm (0.015“) | no | 5 pcs. |
| BO.EW40.ES23 | 7.94 mm (5/16“) | 0.38 mm (0.015“) | no | 5 pcs. |
| BO.EW40.ES24 | 9.53 mm (3/8“) | 0.38 mm (0.015“) | no | 5 pcs. |
| BO.EW40.ES25 | 12.7 mm (1/2“) | 0.38 mm (0.015“) | no | 5 pcs. |
| BO.EW40.ES26 | 19.05 mm (3/4“) | 0.38 mm (0.015“) | no | 5 pcs. |

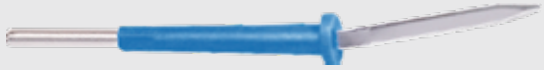
# Monopolar HF electrodes

Bovie single-use dermal and arthroscopic electrodes, with 2.35 mm (3/32“) shaft

## Dermal* - sterile

angled, sharp

angled, blunt



Derm-Elite, angled, blunt

*: suitable for all common generators used in dermatology

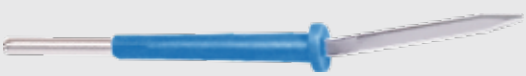
| Item No. | Description | SU |
|---|---|---|
| BO.DE10.A805 | dermal electrode, angled, sharp | 50 pcs. |
| BO.DE10.A807 | dermal electrode, angled, blunt | 50 pcs. |
| BO.DE11.A807DE | Derm-Elite dermal electrode, angled, blunt | 50 pcs. |

*: sterile, packed individually

## Dermal* - non-sterile

angled, sharp

angled, blunt

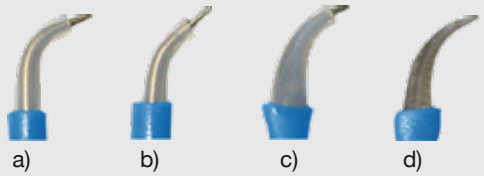


Derm-Elite, angled, blunt

| Item No. | Description | SU |
|---|---|---|
| BO.DE10.A804 | dermal electrode, angled, sharp | 100 pcs. |
| BO.DE10.A806 | dermal electrode, angled, blunt | 100 pcs. |
| BO.DE11.A806DE | Derm-Elite dermal electrode, angled, blunt | 100 pcs. |

*: non-sterile and not packed individually

## Arthroscopy - sterile



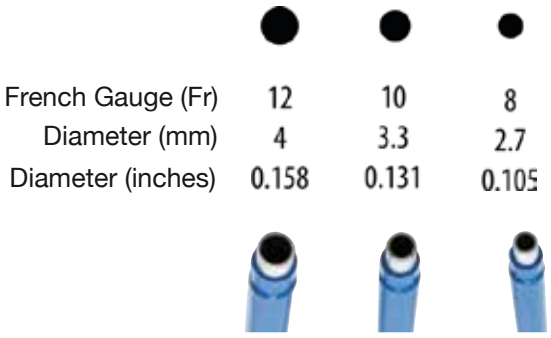

| Fig. | Item No. | Description | SU* |
|---|---|---|---|
| a) | BO.AE10.AR00 | arthroscopy electrode Hook 90° | 5 pcs. |
| b) | BO.AE10.AR01 | arthroscopy electrode Hook 45° | 5 pcs. |
| c) | BO.AE10.AR02 | acromioplasty, angled hook | 5 pcs. |
| d) | BO.AE10.AR03 | menisectomy, angled hook | 5 pcs. |

*: sterile, packed individually

# Suction coagulators

Bovie single-use suction coagulator, with 152 mm flexible shaft and hand or foot activation

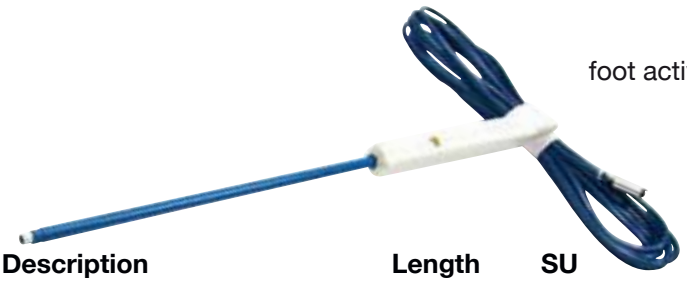
## Three different diameters



| | | | |
|---|---|---|---|
| French Gauge (Fr) | 12 | 10 | 8 |
| Diameter (mm) | 4 | 3.3 | 2.7 |
| Diameter (inches) | 0.158 | 0.131 | 0.105 |

| Item No. | Description | Length | SU |
|---|---|---|---|
| BO.HN10.CH08 | Suction coagulator shaft Ø 8 Fr, 3 m cable with standard 3-pin-plug (international) and with 2 buttons (CUT und COAG) | 150 mm | 10 pcs. |
| BO.HN10.CH10 | Suction coagulator shaft Ø 10 Fr, 3 m cable with standard 3-pin-plug (international) and with 2 buttons (CUT und COAG) | 150 mm | 10 pcs. |
| BO.HN10.CH12 | Suction coagulator shaft Ø 12 Fr, 3 m cable with standard 3-pin-plug (international) and with 2 buttons (CUT und COAG) | 150 mm | 10 pcs. |

*: sterile, packed individually



foot activation

| Item No. | Description | Length | SU |
|---|---|---|---|
| BO.HN11.CF08 | Suction coagulator shaft Ø 8 Fr, 3 m cable with foot activation | 150 mm | 10 pcs. |
| BO.HN11.CF10 | Suction coagulator shaft Ø 10 Fr, 3 m cable with foot activation | 150 mm | 10 pcs. |
| BO.HN11.CF12 | Suction coagulator shaft Ø 12 Fr, 3 m cable with foot activation | 150 mm | 10 pcs. |

*: sterile, packed individually

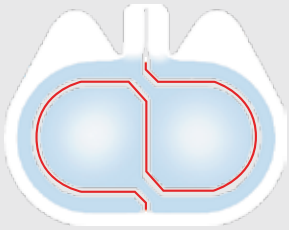
# Single-use neutral electrodes

TwinSafe neutral electrodes

- Can be applied in any direction
- Highest possible patient safety
- Reducing chance of patient burns due to concentration avoidance of CQM flow in the middle
- Symmetrical current distribution over the two halves
- No additional gel required

TwinSafe interwowen geometry

elongated split design



## TwinSafe neutral electrodes for adults and children

| Item No. | Total area ($cm^2$) | Contact area ($cm^2$) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| 1280H | 169 $cm^2$ | 110 $cm^2$ | without cable | N/A | 5 pcs. | 50 pcs. |
| 1285H | 169 $cm^2$ | 110 $cm^2$ | Valleylab REM | N/A | 1 pc. | 8 pcs. |
| 1286H | 169 $cm^2$ | 110 $cm^2$ | 6.3 mm Jack connector | N/A | 1 pc. | 8 pcs. |

*: with integrated 3 m cable.

## TwinSafe neutral electrodes for infants and prematures

| Item No. | Total area ($cm^2$) | Contact area ($cm^2$) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| 1283H | 77 $cm^2$ | 37 $cm^2$ | without cable | 150 W | 5 pcs. | 50 pcs. |
| 1288H | 77 $cm^2$ | 37 $cm^2$ | Valleylab REM | 150 W | 1 pcs. | 8 pcs. |

*: with integrated 3 m cable.

## Reusable connection cables

| Item No. | Cable length | Connector* | SU |
|---|---|---|---|
| 1233 | 3 m | 6.3 mm Jack connector | 1 pc. |
| 1234 | 5 m | 6.3 mm Jack connector | 1 pc. |
| 1239 | 5 m | Valleylab REM | 1 pc. |

# Single-use neutral electrodes

undivided and divided neutral electrodes

- Polyacrylic based highly conductive hydrogel adhesive with particularly good skin compatibility
- Low skin contact impedance keeps heat as low as possible
- Firm full-area adhesion to the skin without hot spots even during long procedures
- Simple, residue-free removal

## two cable types for undivided and divided neutral electrodes:

e.g.: NE.20.211.3C00

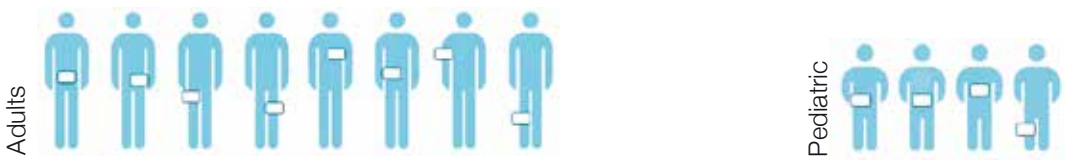
with fixed connection cable

e.g.: NE.20.211.000

with seperate connection cable

## Patient type

## Placement of neutral electrodes



# Single-use neutral electrodes

Undivided neutral electrodes

## neutral electrodes for adults (> 15 kg), undivided, vertical

| Item No. | Total area ($cm^2$) | Contact area ($cm^2$) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.20.101.000 | 217 $cm^2$ | 136 $cm^2$ | without cable | N/A | 1 pc. | 100 pcs. |
| NE.20.105.000 | 217 $cm^2$ | 136 $cm^2$ | without cable | N/A | 5 pcs. | 100 pcs. |
| NE.20.101.3C00 | 217 $cm^2$ | 136 $cm^2$ | 6.3 mm Jack connector | N/A | 1 pc. | 50 pcs. |
| NE.20.101.3C10 | 217 $cm^2$ | 136 $cm^2$ | Flat plug, 2-pole | N/A | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

## neutral electrodes for pediatric 5 - 15 kg, undivided, vertical

| Item No. | Total area ($cm^2$) | Contact area ($cm^2$) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.30.101.000 | 145 $cm^2$ | 83 $cm^2$ | without cable | N/A | 1 pc. | 100 pcs. |
| NE.30.105.000 | 145 $cm^2$ | 83 $cm^2$ | without cable | N/A | 5 pcs. | 100 pcs. |
| NE.30.101.3C00 | 145 $cm^2$ | 83 $cm^2$ | 6.3 mm Jack connector | N/A | 1 pc. | 50 pcs. |
| NE.30.101.3C10 | 145 $cm^2$ | 83 $cm^2$ | Flat plug, 2-pole | N/A | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

## neutral electrodes for neonatal < 5 kg, undivided, vertical

| Item No. | Total area ($cm^2$) | Contact area ($cm^2$) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.40.101.000 | 83 $cm^2$ | 32 $cm^2$ | without cable | 50 W | 1 pc. | 50 pcs. |
| NE.40.101.3C00 | 83 $cm^2$ | 32 $cm^2$ | 6.3 mm Jack connector | 50 W | 1 pc. | 50 pcs. |
| NE.40.101.3C10 | 83 $cm^2$ | 32 $cm^2$ | Flat plug, 2-pole | 50 W | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

## neutral electrodes for universal > 5 kg, undivided, horizontal

| Item No. | Total area ($cm^2$) | Contact area ($cm^2$) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.10.111.000 | 168 $cm^2$ | 109 $cm^2$ | without cable | N/A | 1 pc. | 100 pcs. |
| NE.10.115.000 | 168 $cm^2$ | 109 $cm^2$ | without cable | N/A | 5 pcs. | 100 pcs. |
| NE.10.111.3C00 | 168 $cm^2$ | 109 $cm^2$ | 6.3 mm Jack connector | N/A | 1 pc. | 50 pcs. |
| NE.10.111.3C10 | 168 $cm^2$ | 109 $cm^2$ | Flat plug, 2-pole | N/A | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

# Single-use neutral electrodes

Divided neutral electrodes

## neutral electrodes for adults (> 15 kg), divided, vertical

| Item No. | Total area (cm²) | Contact area (cm²) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.20.201.000 | 217 cm² | 128 cm² | without cable | N/A | 1 pc. | 100 pcs. |
| NE.20.205.000 | 217 cm² | 128 cm² | without cable | N/A | 5 pcs. | 100 pcs. |
| NE.20.201.3C00 | 217 cm² | 128 cm² | 6.3 mm Jack connector | N/A | 1 pc. | 50 pcs. |
| NE.20.201.3C12 | 217 cm² | 128 cm² | Flat plug, 2-pole | N/A | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

## neutral electrodes for adults (> 15 kg), divided, horizontal

| Item No. | Total area (cm²) | Contact area (cm²) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.20.211.000 | 221 cm² | 128 cm² | without cable | N/A | 1 pc. | 100 pcs. |
| NE.20.215.000 | 221 cm² | 128 cm² | without cable | N/A | 5 pcs. | 100 pcs. |
| NE.20.211.3C00 | 221 cm² | 128 cm² | 6.3 mm Jack connector | N/A | 1 pc. | 50 pcs. |
| NE.20.211.3C12 | 221 cm² | 128 cm² | Flat plug, 2-pole | N/A | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

## neutral electrodes for pediatric 5 - 15 kg, divided, vertical

| Item No. | Total area (cm²) | Contact area (cm²) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.30.201.000 | 145 cm² | 73 cm² | without cable | N/A | 1 pc. | 100 pcs. |
| NE.30.201.3C00 | 145 cm² | 73 cm² | 6.3 mm Jack connector | N/A | 1 pc. | 50 pcs. |
| NE.30.201.3C12 | 145 cm² | 73 cm² | Flat plug, 2-pole | N/A | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

## neutral electrodes for neonatal < 5 kg, divided, vertical

| Item No. | Total area (cm²) | Contact area (cm²) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.40.201.000 | 83 cm² | 31 cm² | without cable | 50 W | 1 pc. | 50 pcs. |
| NE.40.201.3C00 | 83 cm² | 31 cm² | 6.3 mm Jack connector | 50 W | 1 pc. | 50 pcs. |
| NE.40.201.3C12 | 83 cm² | 31 cm² | Flat plug, 2-pole | 50 W | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

# Single-use neutral electrodes

Divided neutral electrodes and reusable connecting cables

## neutral electrodes universal > 5 kg, divided, horizontal

| Item No. | Total area ($cm^2$) | Contact area ($cm^2$) | Connector* | Max. Power setting | U/ Pouch | SU |
|---|---|---|---|---|---|---|
| NE.10.211.000 | 168 $cm^2$ | 103 $cm^2$ | without cable | N/A | 1 pc. | 100 pcs. |
| NE.10.215.000 | 168 $cm^2$ | 103 $cm^2$ | without cable | N/A | 5 pcs. | 100 pcs. |
| NE.10.211.3C00 | 168 $cm^2$ | 103 $cm^2$ | 6.3 mm Jack connector | N/A | 1 pc. | 50 pcs. |
| NE.10.211.3C12 | 168 $cm^2$ | 103 $cm^2$ | Flat plug, 2-pole | N/A | 1 pc. | 50 pcs. |
| NE.10.211.5C12 | 168 $cm^2$ | 103 $cm^2$ | Flat plug, 2-pole | N/A | 1 pc. | 50 pcs. |

*: with integrated single-use 3 m cable. Thickness of all neutral electrodes: 1.65 mm, latex-free

## Reusable connecting cables

### 6.3 mm Jack connector for use with undivided and divided neutral electrodes

| Brand | Models |
|---|---|
| ACMI Wappler | C-650, C650FO, GK 458, GN 300, GN 350. GN 370, GN 640 |
| AESCULAP | GN 300, GN 350 (TM 401), GN 360, GN 370, GN 640 |
| ALEXANDRA | D205, E300, 500D, 102/201, 2020/E, 202, MICRO 180 |
| ALSA | ALSATOM MB1 - MC+, MB1/A - MC, SU 50 MPC+, SU 100 MPC+, SU 140 MPC+, SU 140/D MPC+, EXCELL 200 MCDS+, 250 MCDS+, 350 MCDS+, 400 MCDS+ |
| ALSATOM | EBSS4 MBS |
| BERCHTOLDT | ELEKTROTOM 50B, 70D, 80, 80B, 200, 390, 400, 530, 540, 541, 600, 610, 618, 621, 640 |
| BIRTCHER | 737 / 737XL, 772, 773, 774, 5000 |
| BOVIE | CSV, URO, BS |
| BOVIE/AARON | 800, 950, 1200, 1250, 2250, 3250 |
| BOVIE/RITTER | 400, 400B, 400SR, X10, X10L |
| BURDICK | U-7, SU-8 |
| CAMERON-MILLER | 26-1290 |
| COBE | TS-403 |
| CONCEPT | 9600, 9700, 9800, 9900 |
| CREMASCOLI | |
| DOLLEY | COBII 203T, COBII 502, COBII 503T, COBII 505T |
| EMS DAVOL | SYSTEM 2000, 5000 |
| ERBE (STANDARD) | ERBOTOM ACC 300, ACC 430, ACC 450, ACC 451, HF 120, HF 300, ICC 50, ICC 80, ICC 200, ICC 300, ICC 350, T 50, T 71, T 130, T 175, T 400, VIO System 50C, 100C, 200D, 200S, 300D, 300S |

# Single-use neutral electrodes

Reusable connecting cables

## 6.3 mm Jack connector for use with undivided and divided neutral electrodes

| Brand | Models |
|---|---|
| ESCHMANN | ME 200, ME 400, TD111, TD200, TD300, TD311, TD400, TD411, TD411S, TD830, TD850 |
| FASET | SERIE COBI |
| GPS | All references |
| HERMANN | HF50 |
| I CUATRO | MEGERI 1 |
| LAMIDEY | All references |
| LED | All references |
| MARTIN | 500B, ELEKTROTOM 80B, 170, 170B, 200, 390, 400, 2000, MAXIUM, ME 50, 80, 81, 82, 102, 200, 400, 401, 411, M1, MB1, MB2 |
| MICROMED | MD I, MD II |
| NEOMED | 3001, 3002, 3006, 3000A, 3010, 3020 |
| OLYMPUS | HF 120 (from 2002), HF 200 (from 2002), PSD60 |
| PHILIPS | TS-403 |
| RITTER/MDT | SOLID STATE 400, 400B, 400SR |
| SIDEVAN | SEB2 |
| SOXIL | BP 2000, X10 |
| SURTRON | 380 HP, 50D, FLASH LED |
| THACKRAY | T300S |
| TORRY | LEM 300 CST |

## Flat plug 2-pole for use with divided neutral electrodes, REM compatible

| Brand | Models |
|---|---|
| AESCULAP | TB 50 |
| ASPENLABS | EXCALIBUR |
| BOWA | ARC 300, ARC 350 |
| CONMED | SYSTEM 7550, SYSTEM 5000, SYSTEM 2450, SABRE GENESIS |
| ERBE (INTERNATIONAL) | ERBOTOM ACC 300, ACC 430, ACC 450, ACC 451, HF 120, HF 300, ICC 50, ICC 80, ICC 200, ICC 300, ICC 350, T 50, T 71, T 130, T 175, T 400, VIO System 50C, 100C, 200D, 200S, 300D, 300S |
| ESCHMANN | E10, E20, E30, E50 |
| OLYMPUS | PSD30 |
| SÖRING | ARCO 1000, 2000, 3000A, 3001, 3002, 3006, MBC 600, 601, 601-UAM, TS-403 |
| VALLEYLAB | FORCE 30, FORCE 40, FORCE 300, FORCE EZ-8C, FORCE EZ-C, FORCE FX, SSE 2L, SURGISTAT II |

# Single-use neutral electrodes

Reusable connecting cables

## Flat plug 2-pole for use with undivided neutral electrodes, non-REM compatible

| Brand | Models |
|---|---|
| ERBE (INTERNATIONAL) | ERBOTOM ACC 300, ACC 430, ACC 450, ACC 451, HF 120, HF 300, ICC 50, ICC 80, ICC 200, ICC 300, ICC 350, T 50, T 71, T 130, T 175, T 400, VIO System 50C, 100C, 200D, 200S, 300D, 300S |
| SÖRING | MBC 200, TS-403 |
| VALLEYLAB | FORCE 1, 2, 3, 4, 10, 20, SSE 2L |

## Order codes for reusable connecting cables

| Item No. | Specifications | Cable length | Connector | SU |
|---|---|---|---|---|
| NE.99.001.3C10 | undivided neutral electrodes | 3 m | Flat plug, 2-pole, non-REM compatible | 1 pc. |
| NE.99.001.3C00 | undivided and divided neutral electrodes | 3 m | 6.3 Jack connector | 1 pc. |
| NE.99.001.5C00 | undivided and divided neutral electrodes | 5 m | 6.3 Jack connector | 1 pc. |
| NE.99.001.3C12 | divided neutral electrodes | 3 m | Flat plug, 2-pole, REM compatible | 1 pc. |
| NE.99.001.5C12 | divided neutral electrodes | 5 m | Flat plug, 2-pole, REM compatible | 1 pc. |

# ActiLine EcoCeps

Single-use bipolar forceps - high-quality economical solution

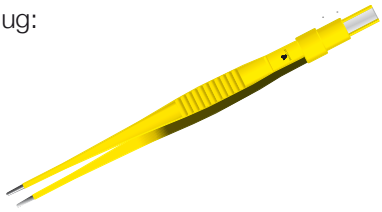
- high profile ribbing for work without tiredness
- Safe precise grasping and manipulation of tissue
- Proven functionality as with reusable forceps
- Variety of shapes, sizes, and lengths for a wide range of applications
- Standard connection for all common devices and adaptors

## Bipolar forceps - models

### Bipolar forceps - european flat plug (standard)

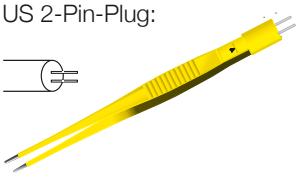
**All single-use bipolar forceps** are provided **with european flat plug as standard.**

european flat plug:

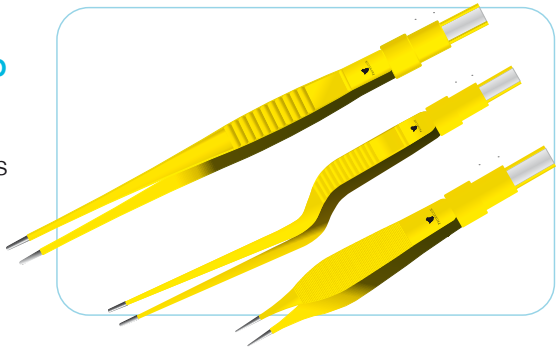


**Upon request** we also offer single -use bipolar forceps with US 2-Pin-Plug. Please contact us.

US 2-Pin-Plug:



### Bipolar forceps - a classic model with stainless steel tip



**Bipolar forceps** for single use in premium quality:
**Stainless steel tip** with mirror finish, soft-closing, no crossover, always tip against tip, standardised tip distance, non-slip grip corrugation
tips from 0.3 mm to 2.0 mm, straight and angled.
(Bipolar forceps with stainless steel tip are our standard forceps.
on the following pages you will find the corresponding article number).

### Bipolar forceps - with Titanium coating

The tip is made up of a highly effective **titanium non-stick coating**.
All **single-use bipolar forceps** are available with titanium coating.
The highly effective non-stick titanium coating, leads to no fluorinated compounds, as with PTFE-coating developed during hospital waste combustion.
(Please contact us).

# ActiLine EcoCeps

Single-use bipolar forceps - the high-quality economical solution

## Bipolar forceps - models

### Bipolar forceps - with silver tip

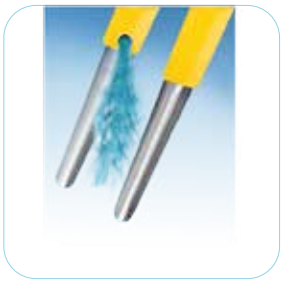
All **single-use bipolar forceps** are also available with a **tip of pure silver.**
The silver malt enhances the non-stick effect and transfers heat immediately.
(Feel free to contact us).

### Bipolar forceps - with tungsten tip

All **single-use bipolar forceps** are also available with a **tungsten tip.**
Inner surface of the tips are „diamond dusted".
(Feel free to contact us).

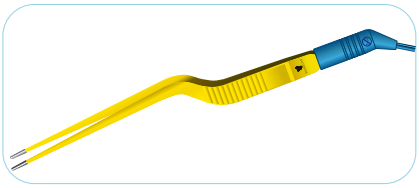
### Bipolar forceps - with irrigation

**Single-use bipolar forceps** straight and angled as well as **bayonet** straight and angled, are available with irrigation.
Throught the integrated irrigation channel, which begins at the forceps leg and ends at the tip, a spray mist is placed directly on the coagulation surface.
(Feel free to contact us).



### Bipolar forceps - with integrated cable

All **single-use bipolar forceps** are available with integrated cable in lengths of 3, 4, or 5 meters and with interntional 2-Pin-Plug.
Upon request plugs from any other well-known manufacturer available.
Please ask for the minimum order quantity.
(Feel free to contact us).



### Bipolar forceps - special model EcoCeps XTreme

For sensitive back coupling through optimum view, with special Soft-Closing and perfect grip for longer procedures.

# ActiLine EcoCeps

Single-use bipolar forceps - straight and angled

## single-use bipolar forceps, straight

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF001.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF001.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF001.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF001.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF001.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF001.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF001.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF001.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF001.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF001.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF001.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF001.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF001.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF001.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF001.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF001.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF001.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF001.020S180 | 2.0 mm | 180 mm | 10 pcs. |

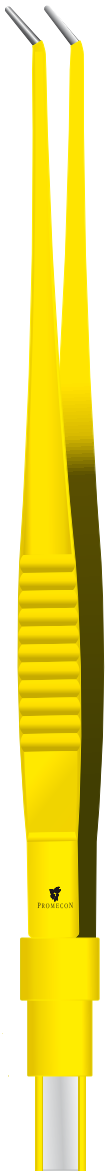
| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF001.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF001.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF001.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF001.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF001.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF001.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF001.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF001.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF001.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF001.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF001.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF001.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF001.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF001.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF001.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF001.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF001.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF001.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

## single-use bipolar forceps, angled



| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF002.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF002.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF002.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF002.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF002.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF002.003S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF002.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF002.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF002.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF002.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF002.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF002.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF002.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF002.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF002.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF002.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF002.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF002.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF002.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF002.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF002.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF002.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF002.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF002.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF002.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF002.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF002.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF002.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF002.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF002.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF002.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF002.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF002.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF002.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF002.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF002.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

# ActiLine EcoCeps

Single-use bipolar forceps - Bayonet

## single-use bipolar forceps, bayonet, straight tip

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF005.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF005.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF005.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF005.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF005.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF005.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF005.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF005.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF005.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF005.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF005.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF005.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF005.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF005.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF005.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF005.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF005.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF005.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF005.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF005.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF005.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF005.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF005.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF005.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF005.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF005.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF005.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF005.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF005.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF005.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF005.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF005.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF005.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF005.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF005.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF005.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

## single-use bipolar forceps, bayonet, angled down tip

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF006.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF006.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF006.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF006.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF006.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF006.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF006.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF006.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF006.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF006.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF006.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF006.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF006.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF006.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF006.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF006.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF006.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF006.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF006.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF006.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF006.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF006.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF006.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF006.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF006.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF006.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF006.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF006.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF006.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF006.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF006.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF006.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF006.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF006.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF006.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF006.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

# ActiLine EcoCeps

Single-use bipolar forceps - Bayonet and special sizes

## single-use bipolar forceps, bayonet, angled up tip

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF007.003S140 | 0.3 mm | 140 mm | 10 Stk. |
| BF007.005S140 | 0.5 mm | 140 mm | 10 Stk. |
| BF007.007S140 | 0.7 mm | 140 mm | 10 Stk. |
| BF007.010S140 | 1.0 mm | 140 mm | 10 Stk. |
| BF007.015S140 | 1.5 mm | 140 mm | 10 Stk. |
| BF007.020S140 | 2.0 mm | 140 mm | 10 Stk. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF007.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF007.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF007.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF007.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF007.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF007.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF007.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF007.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF007.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF007.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF007.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF007.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF007.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF007.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF007.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF007.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF007.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF007.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF007.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF007.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF007.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF007.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF007.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF007.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF007.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF007.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF007.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF007.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF007.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF007.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

## single-use bipolar forceps, special sizes

### Adson

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF014.003S120 | 0.3 mm | 120 mm | 10 pcs. |
| BF014.005S120 | 0.5 mm | 120 mm | 10 pcs. |
| BF014.007S120 | 0.7 mm | 120 mm | 10 pcs. |
| BF014.010S120 | 1.0 mm | 120 mm | 10 pcs. |
| BF014.012S120 | 1.2 mm | 120 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF014.003S150 | 0.3 mm | 150 mm | 10 pcs. |
| BF014.005S150 | 0.5 mm | 150 mm | 10 pcs. |
| BF014.007S150 | 0.7 mm | 150 mm | 10 pcs. |
| BF014.010S150 | 1.0 mm | 150 mm | 10 pcs. |
| BF014.012S150 | 1.2 mm | 150 mm | 10 pcs. |

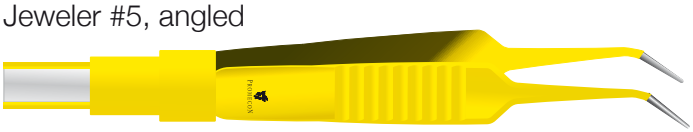
*: sterile, packed individually, SU without cable, only forceps

### Jeweler #5, straight

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF011.002S117 | 0.25 mm | 117 mm | 10 pcs. |
| BF011.003S117 | 0.3 mm | 117 mm | 10 pcs. |
| BF011.005S117 | 0.5 mm | 117 mm | 10 pcs. |
| BF011.007S117 | 0.7 mm | 117 mm | 10 pcs. |
| BF011.010S117 | 1.0 mm | 117 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

### Jeweler #5, angled



| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF012.002S117 | 0.25 mm | 117 mm | 10 pcs. |
| BF012.003S117 | 0.3 mm | 117 mm | 10 pcs. |
| BF012.005S117 | 0.5 mm | 117 mm | 10 pcs. |
| BF012.007S117 | 0.7 mm | 117 mm | 10 pcs. |
| BF012.010S117 | 1.0 mm | 117 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

# ActiLine EcoCeps

Single-use bipolar forceps - Special sizes

## Single-use bipolar forceps - special sizes

Jeweler #7, angled

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF013.002S117 | 0.25 mm | 117 mm | 10 pcs. |
| BF013.003S117 | 0.3 mm | 117 mm | 10 pcs. |
| BF013.005S117 | 0.5 mm | 117 mm | 10 pcs. |
| BF013.007S117 | 0.7 mm | 117 mm | 10 pcs. |
| BF013.010S117 | 1.0 mm | 117 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

McPherson, angled

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF016.002S100 | 0.25 mm | 100 mm | 10 pcs. |
| BF016.003S100 | 0.3 mm | 100 mm | 10 pcs. |
| BF016.005S100 | 0.5 mm | 100 mm | 10 pcs. |
| BF016.007S100 | 0.7 mm | 100 mm | 10 pcs. |
| BF016.010S100 | 1.0 mm | 100 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

McPherson, straight

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF015.002S100 | 0.25 mm | 100 mm | 10 pcs. |
| BF015.003S100 | 0.3 mm | 100 mm | 10 pcs. |
| BF015.005S100 | 0.5 mm | 100 mm | 10 pcs. |
| BF015.007S100 | 0.7 mm | 100 mm | 10 pcs. |
| BF015.010S100 | 1.0 mm | 100 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

# ActiLine EcoCeps XTreme

Single-use bipolar forceps - special models, ideal for long-lasting and precise work

## Single-use bipolar forceps, straight

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF026.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF026.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF026.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF026.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF026.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF026.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF026.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF026.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF026.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF026.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF026.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF026.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Lentgh | SU* |
|---|---|---|---|
| BF026.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF026.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF026.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF026.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF026.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF026.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF026.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF026.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF026.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF026.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF026.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF026.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF026.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF026.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF026.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF026.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF026.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF026.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF026.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF026.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF026.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF026.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF026.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF026.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

## Single-use bipolar forceps, angled

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF027.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF027.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF027.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF027.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF027.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF027.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF027.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF027.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF027.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF027.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF027.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF027.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF027.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF027.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF027.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF027.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF027.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF027.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF027.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF027.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF027.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF027.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF027.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF027.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF027.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF027.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF027.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF027.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF027.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF027.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF027.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF027.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF027.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF027.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF027.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF027.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

# ActiLine EcoCeps XTreme

Single-use bipolar forceps - special models, ideal for long-lasting and precise work

## Single-use bipolar forceps, bayonet straight

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF017.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF017.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF017.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF017.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF017.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF017.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF017.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF017.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF017.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF017.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF017.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF017.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF017.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF017.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF017.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF017.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF017.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF017.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF017.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF017.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF017.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF017.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF017.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF017.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | VE* |
|---|---|---|---|
| BF017.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF017.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF017.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF017.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF017.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF017.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF017.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF017.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF017.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF017.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF017.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF017.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

## Single-use bipolar forceps, bayonet angled down tip

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF018.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF018.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF018.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF018.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF018.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF018.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF018.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF018.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF018.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF018.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF018.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF018.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF018.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF018.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF018.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF018.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF018.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF018.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF018.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF018.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF018.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF018.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF018.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF018.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF018.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF018.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF018.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF018.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF018.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF018.020S220 | 2.0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF018.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF018.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF018.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF018.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF018.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF018.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

# ActiLine EcoCeps XTreme

Single-use bipolar forceps - special models, ideal for long-lasting and precise work

## Single-use bipolar forceps, bayonet angled up tip

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF019.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF019.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF019.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF019.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF019.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF019.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF019.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF019.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF019.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF019.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF019.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF019.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF019.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF019.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF019.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF019.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF019.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF019.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF019.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF019.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF019.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF019.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF019.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF019.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF019.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF019.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF019.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF019.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF019.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF019.020S220 | 2,0 mm | 220 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF019.003S240 | 0.3 mm | 240 mm | 10 pcs. |
| BF019.005S240 | 0.5 mm | 240 mm | 10 pcs. |
| BF019.007S240 | 0.7 mm | 240 mm | 10 pcs. |
| BF019.010S240 | 1.0 mm | 240 mm | 10 pcs. |
| BF019.015S240 | 1.5 mm | 240 mm | 10 pcs. |
| BF019.020S240 | 2.0 mm | 240 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

## Single-use bipolar forceps, bayonet straight

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF020.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF020.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF020.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF020.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF020.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF020.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF020.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF020.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF020.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF020.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF020.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF020.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF020.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF020.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF020.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF020.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF020.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF020.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF020.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF020.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF020.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF020.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF020.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF020.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF020.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF020.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF020.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF020.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF020.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF020.020S220 | 2.0 mm | 220 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

# ActiLine EcoCeps XTreme

Single-use bipolar forceps - special models, ideal for long-lasting and precise work

## Single-use bipolar forceps, bayonet angled down tip

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF021.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF021.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF021.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF021.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF021.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF021.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF021.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF021.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF021.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF021.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF021.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF021.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF021.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF021.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF021.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF021.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF021.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF021.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF021.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF021.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF021.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF021.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF021.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF021.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF021.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF021.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF021.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF021.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF021.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF021.020S220 | 2.0 mm | 220 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

## Single-use bipolar forceps, bayonet angled up tip

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF022.003S140 | 0.3 mm | 140 mm | 10 pcs. |
| BF022.005S140 | 0.5 mm | 140 mm | 10 pcs. |
| BF022.007S140 | 0.7 mm | 140 mm | 10 pcs. |
| BF022.010S140 | 1.0 mm | 140 mm | 10 pcs. |
| BF022.015S140 | 1.5 mm | 140 mm | 10 pcs. |
| BF022.020S140 | 2.0 mm | 140 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF022.003S160 | 0.3 mm | 160 mm | 10 pcs. |
| BF022.005S160 | 0.5 mm | 160 mm | 10 pcs. |
| BF022.007S160 | 0.7 mm | 160 mm | 10 pcs. |
| BF022.010S160 | 1.0 mm | 160 mm | 10 pcs. |
| BF022.015S160 | 1.5 mm | 160 mm | 10 pcs. |
| BF022.020S160 | 2.0 mm | 160 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF022.003S180 | 0.3 mm | 180 mm | 10 pcs. |
| BF022.005S180 | 0.5 mm | 180 mm | 10 pcs. |
| BF022.007S180 | 0.7 mm | 180 mm | 10 pcs. |
| BF022.010S180 | 1.0 mm | 180 mm | 10 pcs. |
| BF022.015S180 | 1.5 mm | 180 mm | 10 pcs. |
| BF022.020S180 | 2.0 mm | 180 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF022.003S200 | 0.3 mm | 200 mm | 10 pcs. |
| BF022.005S200 | 0.5 mm | 200 mm | 10 pcs. |
| BF022.007S200 | 0.7 mm | 200 mm | 10 pcs. |
| BF022.010S200 | 1.0 mm | 200 mm | 10 pcs. |
| BF022.015S200 | 1.5 mm | 200 mm | 10 pcs. |
| BF022.020S200 | 2.0 mm | 200 mm | 10 pcs. |

| Item No. | ø Tip | Length | SU* |
|---|---|---|---|
| BF022.003S220 | 0.3 mm | 220 mm | 10 pcs. |
| BF022.005S220 | 0.5 mm | 220 mm | 10 pcs. |
| BF022.007S220 | 0.7 mm | 220 mm | 10 pcs. |
| BF022.010S220 | 1.0 mm | 220 mm | 10 pcs. |
| BF022.015S220 | 1.5 mm | 220 mm | 10 pcs. |
| BF022.020S220 | 2.0 mm | 220 mm | 10 pcs. |

*: sterile, packed individually, SU without cable, only forceps

# ActiLine EcoCeps

Single-use bipolar connecting cables

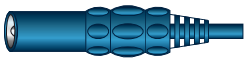
## Accessories

Plug instrument side:

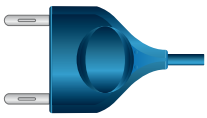
Flat plug angled

2-Pin-Plug angled with protecting cap

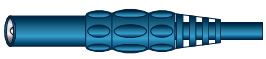
Plug device side:



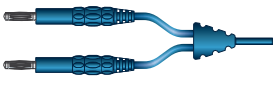
ERBE ACC/ICC, ERBE T Series, ERBE VIO, Storz



Valleylab, Limidey, BOWA, Aesculap, EMC, Söring, Olympus, ERBE international



Martin, Integra, Aesculap, ACMI, Berchtold, Sutter BM780



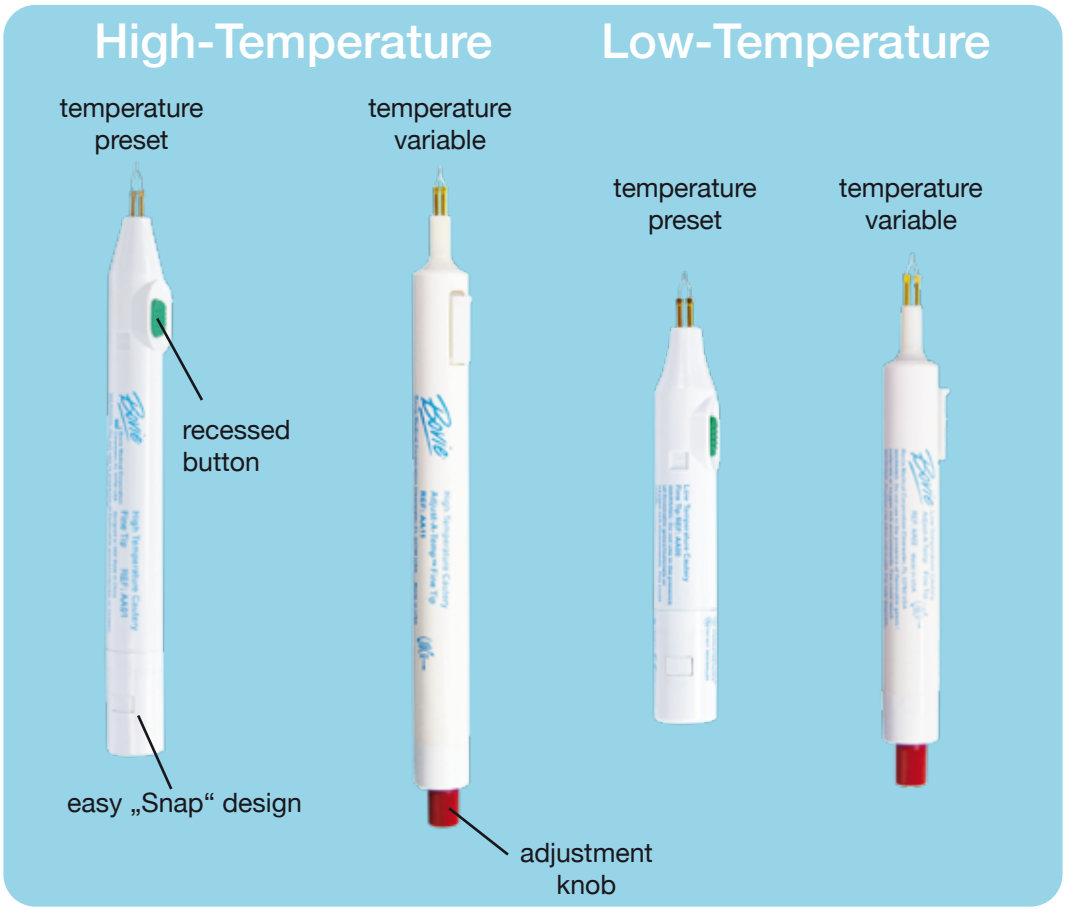
U.S. Standard, Eschmann, Petas, Codman, Conmed, Olympus, Valleylab, ERBE VIO international

| Item No. | Description | Cable length | SU |
|---|---|---|---|
| Flat plug | | | |
| FD03BC03S3 | Erbe ICC/ACC | 3 m | 10 pcs. |
| FD02BC03S3 | Valleylab* | 3 m | 10 pcs. |
| FD04BC03S3 | Martin | 3 m | 10 pcs. |
| FD01BC03S3 | US Standard** | 3 m | 10 pcs. |
| FD03BC03S4 | Erbe ICC/ACC | 4 m | 10 pcs. |
| FD02BC03S4 | Valleylab* | 4 m | 10 pcs. |
| FD04BC03S4 | Martin | 4 m | 10 pcs. |
| FD01BC03S4 | US Standard** | 4 m | 10 pcs. |
| FD03BC03S5 | Erbe ICC/ACC | 5 m | 10 pcs. |
| FD02BC03S5 | Valleylab* | 5 m | 10 pcs. |
| FD04BC03S5 | Martin | 5 m | 10 pcs. |
| FD01BC03S5 | US Standard** | 5 m | 10 pcs. |
| 2-Pin-plug | | | |
| FD03BC01S3 | Erbe ICC/ACC | 3 m | 10 pcs. |
| FD02BC01S3 | Valleylab* | 3 m | 10 pcs. |
| FD04BC01S3 | Martin | 3 m | 10 pcs. |
| FD01BC01S3 | US Standard** | 3 m | 10 pcs. |
| FD03BC01S4 | Erbe ICC/ACC | 4 m | 10 pcs. |
| FD02BC01S4 | Valleylab* | 4 m | 10 pcs. |
| FD04BC01S4 | Martin | 4 m | 10 pcs. |
| FD01BC01S4 | US Standard** | 4 m | 10 pcs. |
| FD03BC01S5 | Erbe ICC/ACC | 5 m | 10 pcs. |
| FD02BC01S5 | Valleylab* | 5 m | 10 pcs. |
| FD04BC01S5 | Martin | 5 m | 10 pcs. |
| FD01BC01S5 | US Standard** | 5 m | 10 pcs. |

*: 28 mm Pin distance.
**: Non-compliant with international standard IEC 60601-2-2:2010-01. Only connect to bipolar output of high-frequency generators.

# Single-use battery cautery

Bovie high- and low-temperature battery-operated cauteries




## High-temperature battery-operated cautery - sterile

| | |
|---|---|
| Item No.: | BO.CT20.AA01 |
| cautery tip: | fine |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT20.AA03 |
| cautery tip: | loop |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT20.AA05 |
| cautery tip: | loop extended 5.08 cm shaft |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT20.AA09 |
| cautery tip: | loop extended 12.7 cm shaft |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT20.AA11 |
| cautery tip: | fine |
| temperature: | adjustable 816°C-1149°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT20.AA17 |
| cautery tip: | fine extended 5.08 cm shaft |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

# Single-use battery cautery

Bovie high- and low-temperature battery-operated cauteries

## High-temperature battery-operated cautery - sterile

| | |
|---|---|
| Item No.: | BO.CT20.AA21 |
| cautery tip: | elongated, fine |
| temperature: | 982°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT20.AA25 |
| cautery tip: | fine, micro |
| temperature: | 1093°C |
| shelf life: | 2 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT20.AA27 |
| cautery tip: | loop, micro |
| temperature: | 1093°C |
| shelf life: | 2 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT20.AA29 |
| cautery tip: | elongated, micro |
| temperature: | 871°C |
| shelf life: | 2 years |
| SU: | 10 pcs. |

## Low-temperature battery-operated cautery - sterile

| | |
|---|---|
| Item No.: | BO.CT10.AA00 |
| cautery tip: | fine |
| temperature: | 704°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT10.AA02 |
| cautery tip: | fine |
| temperature: | adjustable 371°C-649°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT10.AA04 |
| cautery tip: | elongated, fine |
| temperature: | 593°C |
| shelf life: | 4 years |
| SU: | 10 pcs. |

| | |
|---|---|
| Item No.: | BO.CT10.AA90 |
| cautery tip: | micro, fine |
| temperature: | 454°C |
| shelf life: | 2 years |
| SU: | 10 pcs. |

# Change-A-Tip battery cautery

Bovie high- and low-temperature battery-operated cauteries with replaceable tip

## Change-A-Tip battery cautery - non-sterile

### low-temperature handle

| | |
|---|---|
| Item No.: | BO.CT31.HIT0 |
| delivery: | incl. non-sterile cautery tip |
| cautery tip: | fine, item no.: BO.CT32.H100 |
| temperature: | 704°C |
| shelf life: | 4 years |
| SU: | 1 pc., non-sterile |

### high-temperature handle

| | |
|---|---|
| Item No.: | BO.CT41.HIT1 |
| delivery: | incl. non-sterile cautery tip |
| cautery tip: | fine, item no.: BO.CT42.H101 |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 1 pc., non-sterile |

## Change-A-Tip cautery kit

### low-temperature - non-sterile

| | |
|---|---|
| Item No.: | BO.CT30.DEL0 |
| content: 1x low-temperature handle 1x „AA“-battery cautery tip (non-sterile): 2x BO.CT32.H100 (fine) 2x BO.CT32.H104 (elongated, fine) | |
| temperature: | 704°C |
| shelf life: | 4 years |
| SU: | 1 box, non-sterile |

### high-temperature - non-sterile

| | |
|---|---|
| Item No.: | BO.CT40.DEL1 |
| content: 1x high-temperature handle 2x „AA“-batteries cautery tips (non-sterile): 2x BO.CT42.H101 (fine) 2x BO.CT42.H103 (loop) | |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 1 box, non-sterile |

### high-/low-temperature

| | |
|---|---|
| Item No.: | BO.CT50.DEL2 |
| content: 1x high-temperature handle (non-sterile) 1x low-temperature handle (non-sterile) 6x „AA“-batteries cautery tips (sterile): 1x BO.CT42.H101 (fine) 1x BO.CT42.H103 (loop) 1x BO.CT32.H100 (fine) 1x BO.CT32.H104 (elongated, fine) | |
| temperature: | 704°C / 1204°C |
| shelf life: | 4 years |
| SU: | 1 box |

# Change-A-Tip battery cautery

Bovie cautery replacement tips with protective tray

## Change-A-Tip replacement tips - sterile delivery incl. a sterile drape

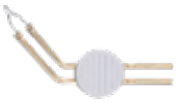
### Low-temperature cautery tip

(only to be used with handle BO.CT31.HIT0)

| | |
|---|---|
| Item No.: | BO.CT32.H100 |
| cautery tip: | fine |
| temperature: | 704°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

| | |
|---|---|
| Item No.: | BO.CT32.H104 |
| cautery tip: | elongated, fine |
| temperature: | 704°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

### Low- and High-temperature cautery tip



| | |
|---|---|
| Item No.: | BO.CT42.H110 |
| cautery tip: | conta angled fine |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

### High-temperature cautery tip

(only to be used with handle BO.CT41.HIT1)

| | |
|---|---|
| Item No.: | BO.CT42.H101 |
| cautery tip: | fine |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

| | |
|---|---|
| Item No.: | BO.CT42.H103 |
| cautery tip: | loop |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

| | |
|---|---|
| Item No.: | BO.CT42.H105 |
| cautery tip: | flex loop, shaft elongated 5.08 cm |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

| | |
|---|---|
| Item No.: | BO.CT42.H106 |
| cautery tip: | flex fine, shaft elongated 5.08 cm |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

# Change-A-Tip battery cautery

Bovie cautery replacement tips with protective tray

## Change-A-Tip replacement tips - sterile delivery incl. a sterile drape

High-temperature cautery tip

| | |
|---|---|
| Item No.: | BO.CT42.H111 |
| cautery tip: | circular |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

| | |
|---|---|
| Item No.: | BO.CT42.H121 |
| cautery tip: | elongated |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

| | |
|---|---|
| Item No.: | BO.CT42.H109 |
| cautery tip: | loop, shaft elongated 12.7 cm |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

| | |
|---|---|
| Item No.: | BO.CT42.H112 |
| cautery tip: | fine, shaft elongated 12.7 cm |
| temperature: | 1204°C |
| shelf life: | 4 years |
| SU: | 10 pcs., sterile packed individually |

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Catalogue no: PM190918

Our medical devices are developed with great effort and manufactured to the highest quality and safety requirements. Promecon commits to ensure, that such medical devices are made available to doctors in medical therapy and that patients benefit from it.

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