

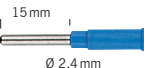


Recommended handle combinations

	ErgoPEN	ErgoPEN, slim	JackKNIFE®	Without button
Short electrodes	2.4 / 4 mm	2.4 / 4 mm	2.4 / 4 mm	2.4 / 4 mm
Long electrodes	2.4 / 4 mm	2.4 / 4 mm	2.4 / 4 mm	-
Laparoscopy hook	4 mm	4 mm	4 mm	-
Microelectrodes	2.4 / 4 mm	2.4 / 4 mm	2.4 / 4 mm	2.4 / 4 mm

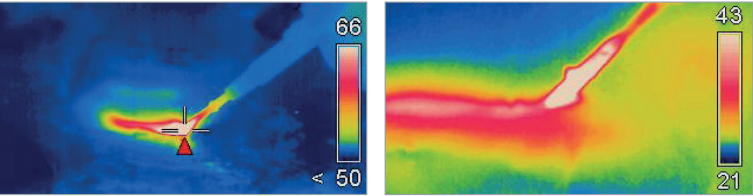
Standard blade electrode

<div>6000V_p</div> 	 15mm Ø 4mm	 15mm Ø 2.4mm	
1:1	500-007	530-207	Blade

Test unit

BOWA Test unit		050-230	For handles and cables including transformer part, 100–240 V AC
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Temperature development during activation






Apart from high electrical safety, BOWA electrosurgery handles offer the necessary protection against high temperatures, which may occur during electrosurgery. The materials provide maximum comfort and safety.


References
Variantenbewertung verschiedener Designs für einen HF-Multifunktionshandgriff (assessment of variants for various designs of an RF multifunction handle)
Dr.-Ing. Wolfgang Lauer, Dipl.-Ing. Armin Janß, Kirsä Dannenberg M.A.
Chair of Medical Technology at RWTH Aachen, Germany





Ergonomics compendium
Anwendung Ergonomischer Regeln und Prüfung der Gebrauchstauglichkeit von Produkten (application of ergonomic rules and testing of product suitability for use)
M. Adler, H.-J. Herrmann, M. Koldehoff, V. Meuser, S. Scheuer, H. Müller-Arnecke, A. Windel, T. Bleyer

Ready-to-use – disposable handles



<div>5000V_p</div> 	Electrode handle with a rocker switch, 3 m cable and standard blade electrode 50 pcs/box Sterile packaging		801-030
<div>5000V_p</div> 	Electrode handle with 2 buttons, 3 m cable and standard blade electrode 50 pcs/box Sterile packaging	BOWA Erbe International Martin International Valleylab/Conmed	802-030
<div>5000V_p</div> 	Electrode handle with 2 buttons, 5 m cable and standard blade electrode 50 pcs/box Sterile packaging		802-035

	Electrode handle without buttons, 3 m cable and standard blade electrode 10 pcs/box Sterile packaging	With universal connection for adapter	803-030
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<div>6000V_p</div> 	 Ø 5mm	Erbe VIO/ICC/ACC	111-001
 Ø 4mm Ø 3mm	 Ø 8mm	BOWA Erbe International Martin International Valleylab Conmed	333-001

BOWA
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ErgoPEN/ JackKNIFE®
UNIVERSAL, ERGONOMIC,
HIGH QUALITY



BOWA
EINFACH SICHER

Made in Germany

BOWA handles – ergonomically designed

Effective health protection
due to adaptable smoke gas removal (by suction)

High suitability for use
with hexagonal twist protection of electrodes

High quality haptics
stable spring cage contacts with a consistently safe plug-in behaviour for 2.4 mm and 4 mm electrodes

Intuitive orientation
due to the raised centre that guides your fingers safely to the pressure points

Safe identification and tracking
due to an ID number with laser labelling for easy spare parts procurement

Safety with a firm grip
due to double insulation with a voltage safety of up to 6,000 Vp

134°C Autoclave 273°F

Visible safety
Safety stripes for clear identification and protection against tripping while operating in the theatre

Perfect hygiene
due to a cavity-free 2-component cast design with smooth surfaces for optimum sealing

Highly durable
due to a glass fibre reinforced material that can be reused up to 200 times

Protected against corrosion
due to pore-free silver-plated strands

Comfortable handling
Twist-free and highly flexible 4.5 m cable

High quality haptics
stable spring cage contacts with a consistently safe plug-in behaviour for 2.4 mm and 4 mm electrodes

High quality haptics
stable spring cage contacts with a consistently safe plug-in behaviour for 2.4 mm and 4 mm electrodes

BOWA handles – with a universal connection

134°C Autoclave 273°F

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Safety stripes for clear identification and protection against tripping while operating in the theatre

Perfect hygiene
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Twist-free and highly flexible 4.5 m cable

High quality haptics
stable spring cage contacts with a consistently safe plug-in behaviour in the unit









Ergonomic
Award-winning ergonomic design with finger depression trigger aid

High quality handle

Universal, ergonomic, high quality
BOWA has many years of experience and has been able to optimise its know-how in plastics and injection moulding technology to near perfection. This way the company is ideally placed to produce large batches of reusable handles for electrosurgery applications "Made in Germany" at our main manufacturing site in Germany. We have "a firm grip" on our quality claims and guaranty exceptional durability, especially for reusable handles – with the best ergonomic design properties. We manage to achieve maximum reliability due to the

use of firm connections in high-volume crimping technology and components, which have been tried and proven in their millions. BOWA products are compatible with all commonly used electrosurgery equipment and available in the respective versions. Our handle range includes all geometries, sizes and combinations with a wide selection of electrodes. You will benefit from the exceptionally high safety margin with regard to voltage safety.

High quality handle solutions for various application options

		ErgoPEN		ErgoPEN		JackKNIFE®			
									
Electrode diameter Ø		2.4 mm	4 mm	2.4 mm	4 mm	2.4 mm	4 mm	2.4 mm	4 mm
	BOWA Erbe I* Martin I* Valleylab Conmed	327-045	322-045	218-045	215-045	220-045	220-145		
	BOWA Erbe I* Martin I* Valleylab Conmed							335-030	330-030
	Erbe VIO ICC ACC		110-045	105-045	104-045	120-045	120-145		
	Erbe T-series		112-045						100-016
	Martin	227-045			214-045		220-245	219-030	210-030

* International

The products have the CE marking according to directive 93/42/EEC and comply with IEC 60601-2-2.