

## High Power Biconical Antenna Kits (HPBK)

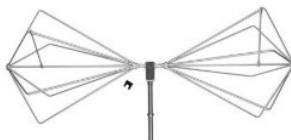
The Schwarzbeck line of biconical antennas is ideally suited for EMC testing. The interchangeable design can be paired easily with different elements for different applications. The kits offered here make the selection process simple and straight forward. Testing < 150 MHz and at 1 or 3 meters in the near field of each antenna becomes difficult to predict, especially in small chambers. A lot of trial and error is needed to produce the field, which entails trying different antennas, or moving the antennas to different locations, or worse, the purchase of larger amplifiers and higher power antennas. The use of these kits gives many antenna options in a single solution. With the alternative element options, the possibility of finding a better match to your chamber and requirements increases.

Model	Application	Included in Kit
<b>HPBK-100W</b> Standard elements	100 Watts 20 - 200 MHz Immunity and Emissions	VHBA 9123 Balun BBA 9106 Standard Biconical elements BBAL 9136 Large Biconical elements AM 9144 Tripod system including: AM 9144 T-09, AM 9144 M-VA, AM 9144 W-VA RA 9215 Antenna adaptor for indexed polarization change
<b>HPBK-100WC</b> Collapsible elements	100 Watts 20 - 200 MHz Immunity and Emissions	VHBA 9123 Balun FBAB 9177 Collapsible Biconical Elements FBAL 9178 Large Collapsible Biconical Elements AM 9144 Tripod system including: AM 9144 T-09, AM 9144 M-VA, AM 9144 W-VA RA 9215 Antenna adaptor for indexed polarization change
<b>HPBK-1000W</b> Standard elements	1000 Watts 20 - 200 MHz Immunity	VHBC 9133 Balun BBA 9106 Standard Biconical elements BBAL 9136 Large Biconical elements BBAE 9179 Foldable X Elements BCOI 9180 5W Holder Long & Holder Short AM 9144 Tripod system including: AM 9144 T-09, AM 9144 M-VA, AM 9144 W-VA AA 9202 Antenna adaptor
<b>HPBK-1000WC</b> Collapsible elements	1000 Watts 20 - 200 MHz Immunity	VHBC 9133 Balun FBAB 9177 Collapsible Biconical Elements FBAL 9178 Large Collapsible Biconical Elements BBAE 9179 Foldable X Elements BCOI 9180 5W Holder Long & Holder Short AM 9144 Tripod system including: AM 9144 T-09, AM 9144 M-VA, AM 9144 W-VA AA 9202 Antenna adaptor

Model	Application	Included in Kit
<b>HPBK-2500W</b> Standard elements	2500 Watts 20 - 200 MHz Immunity	VHBD 9134 Balun BBA 9106 Standard Biconical elements BBAL 9136 Large Biconical elements BBAE 9179 Foldable X Elements BCOI 9180 5W Holder Long & Holder Short AM 9144 Tripod system including: AM 9144 T-09, AM 9144 M-VA, AM 9144 W-VA AA 9202 Antenna adaptor
<b>HPBK-2500WC</b> Collapsible elements	2500 Watts 20 - 200 MHz Immunity	VHBD 9134 Balun FBAB 9177 Collapsible Biconical Elements FBAL 9178 Large Collapsible Biconical Elements BBAE 9179 Foldable X Elements BCOI 9180 5W Holder Long & Holder Short AM 9144 Tripod system including: AM 9144 T-09, AM 9144 M-VA, AM 9144 W-VA AA 9202 Antenna adaptor
<b>HPBK-4000W</b> Standard elements	4000 Watts 20 - 200 MHz Immunity	VHBD 9134-4 Balun BBA 9106 Standard Biconical elements BBAL 9136 Large Biconical elements BBAE 9179 Foldable X Elements BCOI 9180 5W Holder Long & Holder Short AM 9144 Tripod system including: AM 9144 T-09, AM 9144 M-VA, AM 9144 W-VA AA 9202 Antenna adaptor
<b>HPBK-4000WC</b> Collapsible elements	4000 Watts 20 - 200 MHz Immunity	VHBD 9134-4 Balun FBAB 9177 Collapsible Biconical Elements FBAL 9178 Large Collapsible Biconical Elements BBAE 9179 Foldable X Elements BCOI 9180 5W Holder Long & Holder Short AM 9144 Tripod system including: AM 9144 T-09, AM 9144 M-VA, AM 9144 W-VA AA 9202 Antenna adaptor

### Item pictures and description

**BBA 9106**  
30-300MHz  
Biconical Elements



$L_E = 1.32m$  Most commonly used for emissions testing

**FBAB 9177**  
 30-300MHz  
 Collapsible Biconical  
 Elements



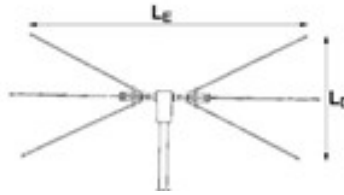
$L_E = 1.25m$  Alternative to  
 BBA 9106

**BBAL 9136**  
 20-200MHz  
 Biconical Elements



$L_E = 1.94m$

**FBAL 9178**  
 20-200MHz  
 Large Collapsible  
 Biconical Elements



$L_E = 1.9m$  Alternative to  
 BBAL 9136

**BBAE 9179**  
 20-220MHz  
 Foldable Elements



$L_E = 1.5m$  Ideal for high  
 field testing in the near  
 field, 1m distance.  
 Suggest accessory  
 BCOI 9180

**BCOI 9180 #W**



Accessory for Biconical elements, adds  
 loading to help with low-frequency  
 performance, comes in 5-turn(5W), 4-  
 turn(4W), and 3-turn(3W)  
 configurations.

**AM 9144** Tripod System



Includes:  
**AM 9144 T-09, AM 9144 M-VA,**  
**AM 9144 W-VA**

Antenna Adaptor



**RA 9215**



**AA 9202**