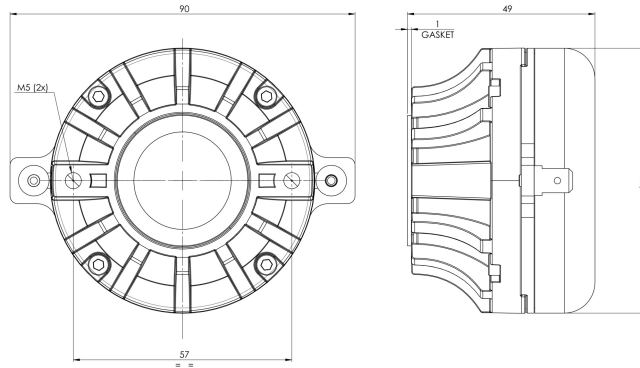


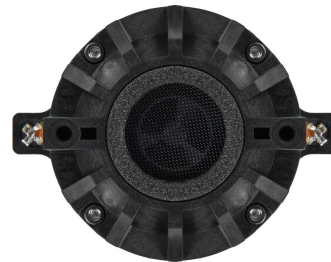
# DH450

16Ω

HF Drivers - 1.0 Inches



- Very Compact 69 mm diameter
- 80 W\* continuous program power capacity
- 1" horn throat diameter
- 44 mm (1.7 in) aluminium voice coil
- HT Polymer diaphragm
- 1000 - 18000 Hz response
- 110 dB sensitivity
- \* Small heat sink required for full power application



## The Helical Approach

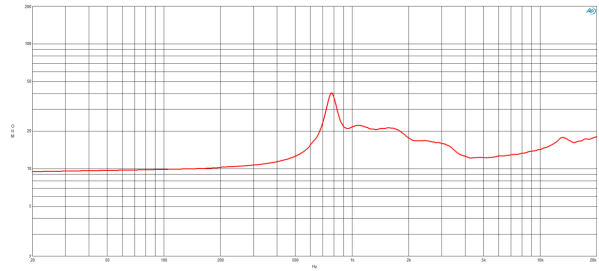
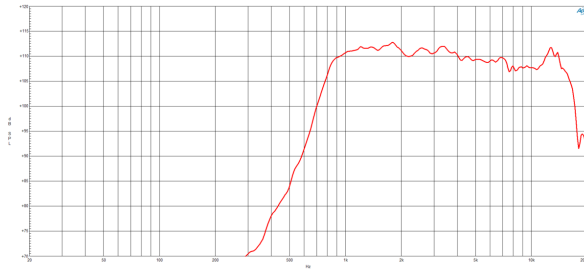
B&C has a reputation for performance, by turning the limits of traditional compression driver design on their head. HLX™ : Compression driver efficiency in miniature. The HLX™ phase plug (US and EP Patents Pending) has a central channel that is twisted, like DNA, to gain the length required to match the outer channels. This technique works with standard, cost-effective injection mold tooling and plastics by rotating the inner die along a screw profile. The convex dome design, so achieved, has a number of significant cost and performance advantages.

- Minimized diameter, weight, and cost
- Increased diaphragm area
- Low, ~1kHz Crossover point
- Reduced distortion, especially intermodulation distortion
- More efficient magnetic flux use



# DH450

## HF Drivers- 1.0 Inches



### SPECIFICATIONS<sup>1</sup>

Throat Diameter	25 mm (1.0 in)
Nominal Impedance	16 $\Omega$
Minimum Impedance	12.3 $\Omega$
Nominal Power Handling <sup>2</sup>	40 W
Continuous power handling <sup>3</sup>	80 W
Sensitivity (1W/1m) <sup>4</sup>	110.0 dB
Frequency Range	1.0 - 18.0 kHz
Recommended Crossover <sup>5</sup>	1.0 kHz
Voice Coil Diameter	44 mm (1.73 in)
Winding Material	Aluminium
Inductance	0.22 mH
Diaphragm Material	HT Polymer
Flux Density	1.9 T
Magnet Material	Neodymium Inside Slug

### MOUNTING AND SHIPPING INFO

Two M5 holes 180° on 57 mm (2.24 in) diameter.	
Diameter is 90mm at widest point (driver rotated, across mounting studs).	
Overall Diameter	69 mm (2.72 in)
Depth	48 mm (1.89 in)
Net Weight	0.53 kg (1.16 lb)
Shipping Units	1
Shipping Weight	0.56 kg (1.23 lb)
Shipping Box	105x105x65 mm (4.13x4.13x2.56 in)

**Other Details**  
One M5 threaded hole on the back of the magnet structure is available for the installation of an optional heat sink.

1. Driver mounted on B&C ME 45 horn.
2. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance.
3. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
4. Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.
5. 12 dB/oct. or higher slope high-pass filter.