GRAS KB5011

Left Anthropometric Pinna for 45CA, 35 Shore 00



Anatomically shaped concha and ear canal
Improved fit and repeatability
Outer pinna with improved collapsability
Resilient mounting

KB5011 is a left anthropometric pinna for 45CA for accurate and repeatable testing of headphones and earphones. It has anatomically correct ear-entrance and ear-canal with correct soft ear helix and provides perfect sealing and insertion accuracy for headphones and earphones. The hardness is 35 Shore 00

GRAS Sound & Vibration
Skovlytoften 33, 2840 Holte, Denmark
www.grasacoustics.com

KB5011 is a left pinna with anthropometric concha and ear canal for 45CA. It is made of soft silicone, 35 Shore 00 hardness.

The external shape of the pinna is identical to that of the standardized KEMAR pinna, but concha and canal have been modified so that they closely mimic the properties of a real human ear. The ear canal has been extended and is an integral part of the pinna that now seals directly against the ear simulator. Like the human ear, the ear canal now has the 1st and 2nd bend, and the interface with the concha is oval.

This shape makes it possible to achieve good insertion accuracy and sealing with anatomically shaped in-ear transducers such as ear-bud headphones, in-ear hearing protectors, and insert hearing aids. Controlling the insertion depth is easy, leading to better insertion consistency and improved repeatability of measurements. The better fit and seal also means that the low frequency response is improved. It will allow you to reproduce base response, as well as effectively measure (active & passive) attenuation.

The outer pinna has the same shape as the standardized pinna, but the flexibility has been improved to better mimic the way the human ear collapses when supra-aural and circum-aural earphones are mounted. When measuring the frequency response of these types of headphones, more reliable and repeatable measurements can be achieved because of the improved collapsability of the pinna.

The pinna is screwed onto the ear simulator which in turn is fixed with screws that ensure that the pinna is held firmly in place. Therefore, the mounting is very stable, and it is possible to mount and dismount DUTs repeatedly without compromising the seal.

GRAS Worldwide

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HEAD OFFICE, DENMARK
GRAS SOUND & VIBRATION
Skovlytoften 33
2840 Holte
Denmark
Tel: +45 4566 4046
www.GRASacoustics.com
gras@grasacoustics.com

USA
GRAS SOUND & VIBRATION
9290 SW Nimbus Avenue
Beaverton, OR 97008
Tel: 503-627-0832
Toll Free: 800-231-7350
www.GRASacoustics.com
sales-usa@grasacoustics.com

UK
GRAS SOUND & VIBRATION
Unit 115, Gibson House,
Ermine Business Park, Huntingdon,
Cambridgeshire, PE29 6XU
Tel: +44 (0) 7762 584 202
www.GRASacoustics.com
sales-uk@grasacoustics.com

CHINA
GRAS SOUND & VIBRATION
Room 315, RuiBo Center(T1)
Lane683, Shenhong Rd,
Minhang District,
Shanghai, China, 201107
Tel: +86 21 64203370
www.GRASacoustics.cn
cnsales@grasacoustics.com



About GRAS Sound & Vibration

GRAS is a worldwide leader in the sound and vibration industry. We develop and manufacture state-of-the-art measurement microphones and related equipment for industries where acoustic measuring accuracy and repeatability are of the utmost importance. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, consumer electronics and other highly demanding industries. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect, trust and require.
GRAS Sound & Vibration is represented through subsidiaries and distributors in more than 40 countries and is part of Axiometrix Solutions, a leading test solutions provider comprised of globally recognized measurement brands. Read more at www.grasacoustics.com

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