



# GRAS RA0238

Tapered Ear Canal Extension  
Kit for Kemar Pinna

GRAS RA0238 is a tapered ear canal extension for  
Kemar pinna with conical ear canals (VA-type).

## Introduction

The GRAS RA0238 is a tapered ear canal extension for the large (VA-type) Kemar pinna. It is for testing of insert-type ear phones and hearing aids.

It conforms with the provisions of the proposed revision of IEC 60318-7 (IEC CD 60318-7 © IEC 2015).

## Design

RA0238 is designed for use with the Kemar tapered (VA-style) pinnae, either the soft 35 Shore 00 pair [GRAS KB1090](#) and [GRAS KB1091](#) or the harder 55 Shore 00 pair [GRAS KB0090](#) and [GRAS KB1091](#).

It is made from stainless steel and will not deform when testing devices for use in the concha or pressed against the pinnae.

It has a 7.4 mm long pinna-extension tube,  $\varnothing$  9.85 mm tapering down to 7.5 mm. The large diameter is for the junction towards the bottom of the concha, the small diameter is for the junction towards the occluded ear simulator.

The junctions will remain tight when the test object is inserted.

## Applications and Use

RA0238 is primarily for use with Kemar fitted with tapered (VA-style) pinnae for testing of insert-type transducers.

The conical shape makes it easy to mount in-the-ear and completely-in-the-canal types of hearing aids and ear phones - without leakage and with good repeatability.

The tapered shape makes it easy to obtain good sealing during tests, and also ensures a perfect fit to the ear simulator at the one end and the pinna at the other.

## Quality & Warranty

GRAS accessories are made of stainless steel, alloys and high-quality composites. These items are covered by a 2 year warranty respecting their intended use. On consumables like batteries, cables and windscreen we offer a 6 month warranty.

## Optional items

<a href="#">GRAS KB0090</a>	KEMAR Large Right Ear 55 Shore 00 (VA/SQ)
<a href="#">GRAS KB0091</a>	KEMAR Large Left Ear 55 Shore 00 (VA/SQ)
<a href="#">GRAS KB1090</a>	KEMAR Large Right Ear 35 Shore 00 (VA/SQ)
<a href="#">GRAS KB1091</a>	KEMAR Large Left Ear 35 Shore 00 (VA/SQ)

GRAS Sound & Vibration reserves the right to change specifications and accessories without notice.

# GRAS Worldwide

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than 40 countries

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## 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 to industries where acoustic measuring accuracy and repeatability is of utmost importance in R&D, QA and production. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, and consumer electronics. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect and trust.

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