

# GRAS RA0038

1/2" 2cc Coupler according to IEC 60318-5



Volume: 2 cc  
ANSI: S3.7  
IEC: 60318-5  
Special feature: For 1/2" pressure  
microphones

The GRAS RA0038 Coupler is a standard 2 cm<sup>3</sup> Coupler according to IEC 126 and ANSI S3.7-1973. It uses a 1/2" microphone (preferably the [GRAS 40AG](#)) with a suitable preamplifier (e.g. [GRAS 26AC](#) which is a 1/4" preamplifier but is supplied with an adapter for 1/2" microphones).

The RA0038 is for use in the acoustical measurements of insert type hearing aids and earphones.

It complies with the requirements of

- IEC 60318-5 (60126) 2 cm<sup>3</sup> coupler for the measurement of hearing aids and earphones coupled to the ear by ear inserts and
- ANSI S3.7-1995 American National Standard for Coupler Calibration of Earphones.

To avoid possibly damaging the microphone, the RA0038 can be used with a microphone fitted with its protection grid, e.g. a [GRAS 40AG](#) and a suitable preamplifier, like [GRAS 26AS](#) which is a 1/4" very short preamplifier with 3 m integrated cable.

The RA0038 is also part of the [GRAS 43AB Artificial Ear](#).

Connector type		BNC
Polarization/Connection		0 V / CCP
Coupler volume	mm <sup>3</sup>	2 ccm
Humidity range non condensing	% RH	0 to 95
ANSI standard		S3.7
IEC standard		60318-5 (former 60126)
CE/RoHS compliant/WEEE registered		Yes/Yes, Yes
Weight	g / oz	50 / 1.76

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

# GRAS Worldwide

Subsidiaries and distributors in more  
than 40 countries

## HEAD OFFICE, DENMARK GRAS SOUND & VIBRATION

Skovlytoften 33  
2840 Holte  
Denmark  
Tel: +45 4566 4046  
[www.grasacoustics.com](http://www.grasacoustics.com)  
[gras@grasacoustics.com](mailto:gras@grasacoustics.com)

## USA GRAS SOUND & VIBRATION

5750 S.W. Arctic Drive  
Beaverton, OR 97005  
Tel: 503-627-0832  
Toll Free: 800-231-7350  
[www.grasacoustics.com](http://www.grasacoustics.com)  
[sales-usa@grasacoustics.com](mailto:sales-usa@grasacoustics.com)

## CHINA GRAS SOUND & VIBRATION

Room 303, Building T6  
Hongqiaohui, 990, Shenchang Road  
Minhang District, Shanghai  
China, 201106  
Tel: +86 21 64203370  
[www.gras.com.cn](http://www.gras.com.cn)  
[cnsales@grasacoustics.com](mailto: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 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.

**GRAS** Sound & Vibration