

# 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

GRAS Sound & Vibration  
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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

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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 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](http://www.grasacoustics.com)

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