

# GRAS 67TS

Turbulence Screen Kit



Turb. att.: Up to 25 dB\*

Turb. speed: Up to Mach 0.2

Freq. range (turbulence) 500 Hz - 10 kHz\*

Acoustic att.: Less than 3 dB

Directivity:  $\pm 60$  Deg \*Depending on flow-speed

The GRAS 67TS Turbulence Screen Kit is designed for aeroacoustic testing in solid-walled wind tunnels.

The hydrodynamic component of turbulence is attenuated up to 25 dB. Thereby the acoustic signals of interest can be identified and diagnosed with a reliable resolution.

## Introduction

The GRAS 67TS Turbulence Screen Kit is designed for aeroacoustic testing in solid-walled wind tunnels. By attenuating the hydrodynamic component of turbulence up to as much as 25 dB, the acoustic signals of interest can be identified and diagnosed with a much more reliable resolution. The flush-mount turbulence screen integrates the flush-mount and recessed mounting techniques with a special wire mesh into a single unit, and allows for adaptation of several mounting options.

The kit does not include a microphone set. The [GRAS 67TS-CL-1](#) includes a [GRAS 47BX 1/4" Flush-mount microphone set](#).

A GRAS 1/4" CCP Flush-mount Microphone Set can be attached to the turbulence screen assembly either with a "rubber band" (O-ring) or a holder plate of POM-material. The parts necessary for both methods are part of the GRAS RA0295 Turbulence Screen Accessories for Flush-mount Microphones. This kit must be ordered separately.

A GRAS 1/4" standard microphone set can be attached to the turbulence screen assembly with a straight or an angled holder plate. These are part of the GRAS RA0296 Turbulence Screen Accessories for standard microphone/preamplifier. This kit must be ordered separately.

As "default" the complete assembly will fit in a flat wall with 4 mm thickness. A hole with diameter 44 mm must be provided. It is possible to attach the assembly using glue. For mounting with screws, the 67TS is provided with 4 holes with diameter 3.1 mm. You are always welcome to contact GRAS for advice or regarding customization.

Polarization/Connection		0 V / CCP
IEC 61094-4 Compliance		WS3P

## Included items

[GRAS 67TS](#)

Turbulence Screen Kit

## Accessories

GRAS RA0295

Turbulence Screen Kit Accessories for Flush-mount Microphone

GRAS RA0296

Turbulence Screen Kit Accessories for standard microphone/preamplifier

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**  
9290 SW Nimbus Avenue  
Beaverton, OR 97008  
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)

## UK

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

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

**GRAS**  
An Axiometrix Solutions Brand