

# Surface microphones

- For aeroacoustic measurements



**Aerospace**



**Automotive**



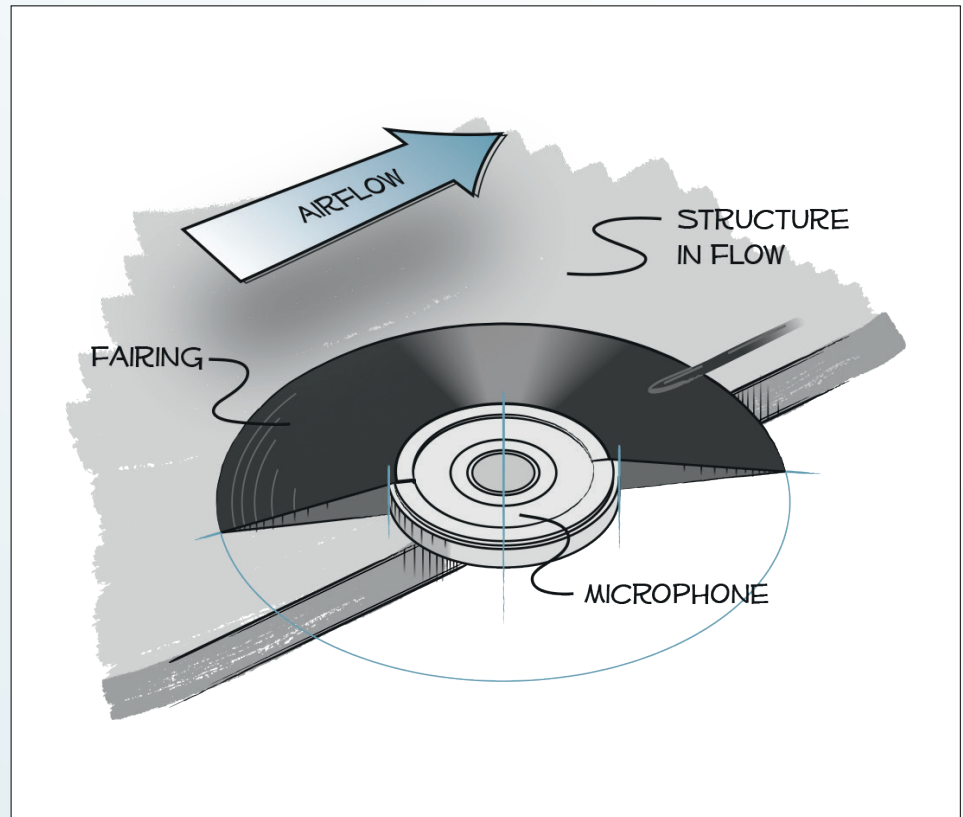
**Rail transportation**

**G.R.A.S.**  
SOUND & VIBRATION

# Surface microphones

The G.R.A.S. high-precision surface microphones are originally designed for in-situ boundary layer testing, where non-invasive mounting is a requirement. They are therefore also very suited for in-flow testing of full scale objects in wind tunnels. The height is kept at 2.5 mm, and the microphone is surrounded by a fairing to reduce self-generated turbulence.

- *High precision 1/4" measurement microphones*
- *Non-invasive mounting and insignificant protrusion*
- *Integrated preamplifier with plug & measure functionality*
- *Wide flat frequency range*
- *Wide dynamic range*
- *Unique diaphragm repair service*



## Surface Family

G.R.A.S. 40LA, 40LS

<b>Frequency range</b>	5 Hz - 70 kHz
<b>Dynamic range</b>	46 dB(A) - 178 dB
<b>Sensitivity</b>	0.5 - 1.8 mV/Pa
<b>Venting</b>	Front

## We Make Microphones

As the only 100% focused developer and manufacturer of measurement microphones, our goal is to provide our customers with the right sensor for the right application. Whether this is realized through a standard, special or customized sensor solution, our concern and priority are always to

help our customers achieve the best possible measurement results – every time.

All our microphones are based on our founder Gunnar Rasmussen's innovative and world-famous measurement microphone design. Designs

that have set the reference for all measurement microphones for more than 50 years. This evolution enables us to offer 5 years microphone warranty and the unique diaphragm repair service. Find more information and your local G.R.A.S. partner at [gras.dk](http://gras.dk)