

DIGITAL INDUSTRIES SOFTWARE

# Simcenter Qsources mid-high frequency source positioning tool

Simcenter/Q-MHF-EPT/2/20221110

## Product Information Sheet

### Summary

Using the Simcenter™ Qsources software mid-high frequency source positioning tool facilitates fast installation of the acoustic exciter at ear location for measuring mid-to-high acoustic frequency transfer functions with the monopole volume acceleration source.

The clamp is designed to be mounted to the vertical posts of the head restraint. The metal nozzle of the mid-high frequency source is used for fixation. It can be applied for inner ear and outer ear locations. It also allows target locations at the center of the headrest when pointing the nozzle in the lateral direction.

## BENEFITS

- Facilitates fast instrumentation
- Fits on every common seat headrest post
- Minimizes acoustic diffraction
- Reduces risk of mechanical damage



## FEATURES

- Tool-free and clean installation
- Sag-free positioning
- Clamps at metal circular vertical head-rest posts
- Multi-joint fixation enables one hand operation
- Nozzle adaptor design optimized for high-frequency excitation

### Application

Mounting at ear or headrest center location on operator and occupant seats

### Product requirements

- Simcenter Qsources mid -high frequency source [Q-MHF or Q-MHF-ICP]
- Simcenter Testlab MIMO FRF testing, spectral acquisition, or similar

### Physical specifications

- Span width headrest post: 50 millimeters (mm)
- Diameter nozzle: Ø30 mm
- Maximum reach: 330 mm

### Simcenter Qsources structural and acoustic excitors

- Low-mid frequency volume source [Q-LMF]
- Mid-high frequency volume source [Q-MHF]
- High frequency shaker [Q-HSH]
- Miniature shaker [Q-MSH]
- Thumper shaker [Q-TMP]
- Low-frequency monopole source [Q-MED]

### Supplied accessory

- User manual