

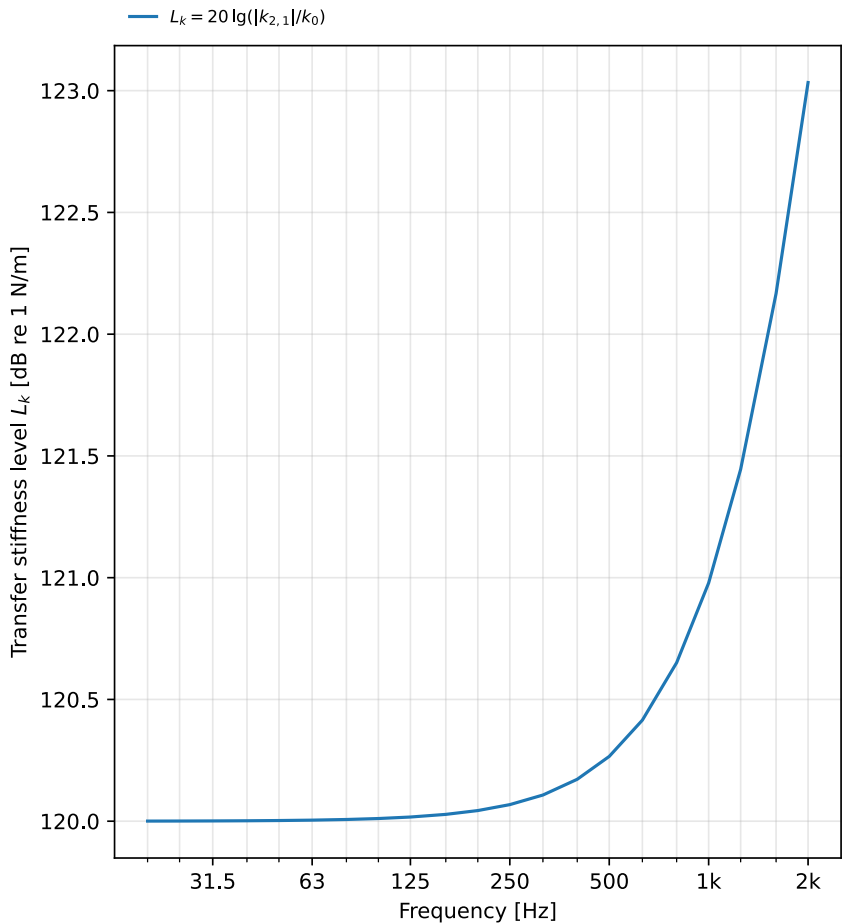
Dynamic transfer stiffness of a resilient element

Determination of the dynamic transfer stiffness $k_{2,1}$ of a resilient element by the direct method (ISO 10846-2:2008) (ISO 10846-1:2008, 3.7).

Client:	Example client	Manufacturer:	Example elastomers
Description:	Rubber vibration isolator (resilient mount)	Test facility:	Transfer-stiffness rig (example)
Instrumentation:	Force transducer + accelerometers (ISO 10846-2)	Date of test:	2026-07-22
Temperature [°C]:	21		

Transfer-stiffness characteristics

Method	direct method (ISO 10846-2:2008)
Frequency range f [Hz]	20 to 2000
Low-frequency $ k_{2,1} $ [MN/m]	1.00
Low-frequency L_k [dB re 1 N/m]	120.0
Loss factor η (low frequency)	0.010



Low-frequency dynamic transfer stiffness level

$L_k = 120.0$ dB re 1 N/m

Low-frequency stiffness $|k_{2,1}| = 1.00$ MN/m at 20 Hz

Method: direct method (ISO 10846-2:2008)

Loss factor $\eta = 0.010$ (low frequency)

Laboratory: Phonometry reference example

Report no.: EXAMPLE-10846

Date: 2026-07-22

Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.
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