

Resonance Killer - ReKi™

Broadband mass damper with benefits

ReKi™ is a **novel broadband passive mass damper**

Works without input energy or control

Low cost solution

Reduces disturbing vibrations in broad frequency band

All-metal structure - Works in multiple directions - High temperature range

ReKi™ is used in **machines, engines, pipes and structures**

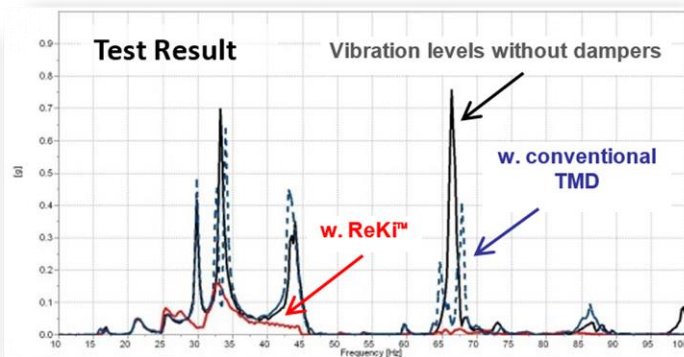
Used in applications from 0.1 kg to 100 ton

Frequencies in different applications from 4 to 1000 Hz

Manufactured in EU

Tailored solutions for special cases

Standard stock solutions for mass products



Patented solution
Asia – Europe - USA

SIMPLE • AFFORDABLE • RELIABLE

Resonance Killer - ReKi™

Broadband mass damper with benefits

ReKi™ - Offering

Troubleshooting

Installation in situ

Robust solution for challenging environment

Add-on solution – no need for structural changes

Design phase tool

Solution for resonance problem during design phase

Mathematical models of ReKi™ available

Optimization of your application

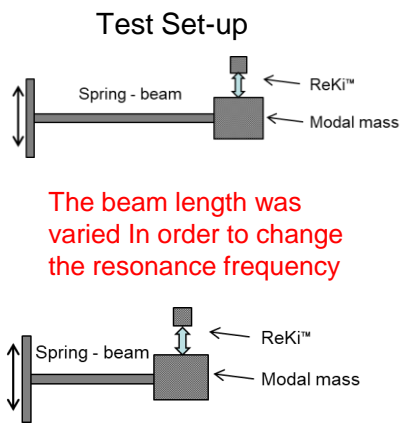
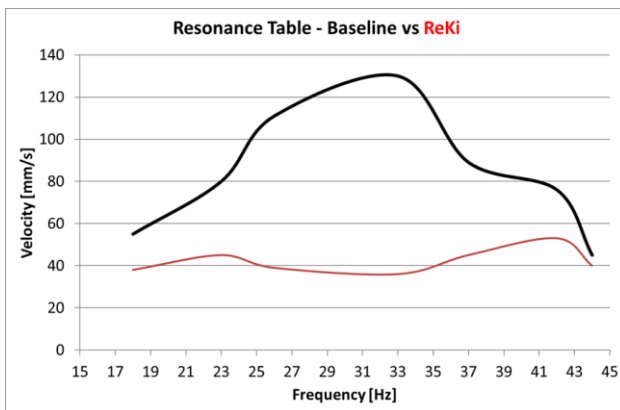
Take full advantage of ReKi's potential

Natural frequencies are not limitations of design anymore

ReKi enables for example lighter structures

Save money with ReKi™

Laboratory Result



SIMPLE • AFFORDABLE • RELIABLE

Resonance Killer - ReKi™

Broadband mass damper with benefits

Case example: ReKi™ in engine component

Customer's Challenge:

Vibration level of the engine component was over the limit

Our solution:

Resonance Killer was installed to the engine component

Benefit:

Customer can run the engines without limitations

Overall vibration RMS level

Original	With ReKi
134 mm/s	49 mm/s



Modal mass: 2000 kg

ReKi's moving mass: 100 kg

SIMPLE • AFFORDABLE • RELIABLE

Vibration in Control

Science-based solutions

Vibrol is your partner in vibration and shock control

More than 20 years of experience working with wire rope isolator

Tested using ISO-10846 standard / MIL901 / BV0230 ...

State of the art solutions

ReKi™ broadband mass damper

ADDI for wire rope isolators

Dynamic measurements and FEA

Structures, laboratory studies for components

Strain gauge, modal analysis

Drop test method for navy qualifications and pre-tests



Premises in Tuusula, Finland, 15 minutes from the airport, www.vibrol.fi

SIMPLE • AFFORDABLE • RELIABLE

Interested?

Contacts

Jarkko Keinänen, jarkko@vibrol.fi , +358405206633

Kalle Vehviläinen, kalle@vibrol.fi , +358503748384

VIBROL
VIBRATION IN CONTROL