

Forms of delivery

Rolls, ex warehouse

Thickness: 10 mm
Length: 8,000 mm
Width: 1,250 mm

Customized strips and pads, self-adhesive versions and special roll lengths available on request.



Technical details

Maximum static load bearing capacity

1.500 N/mm²

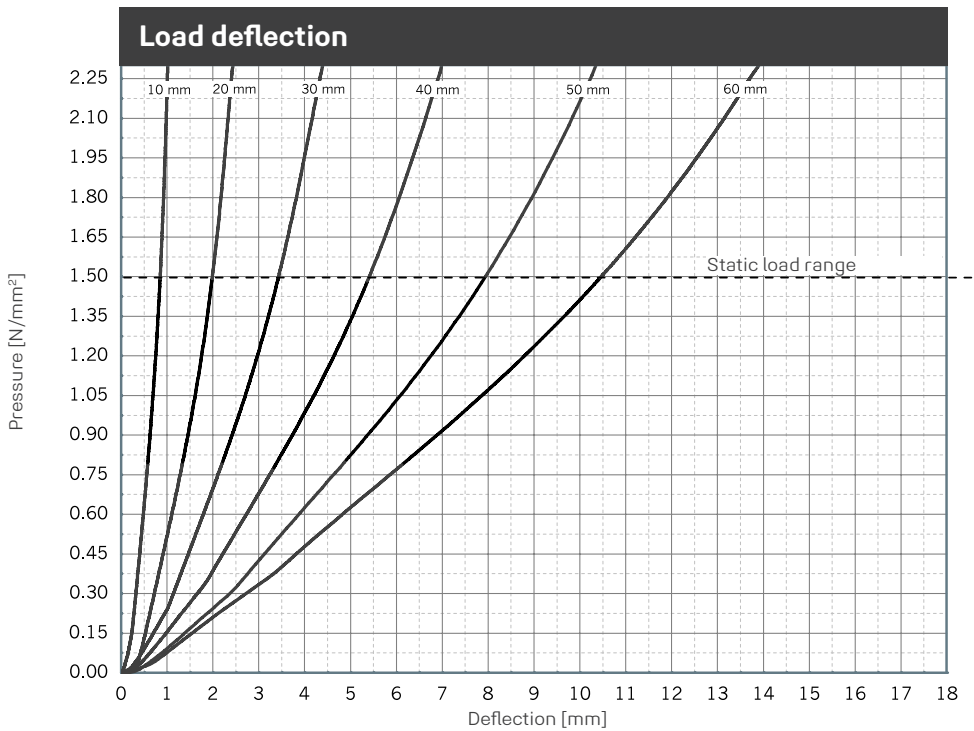
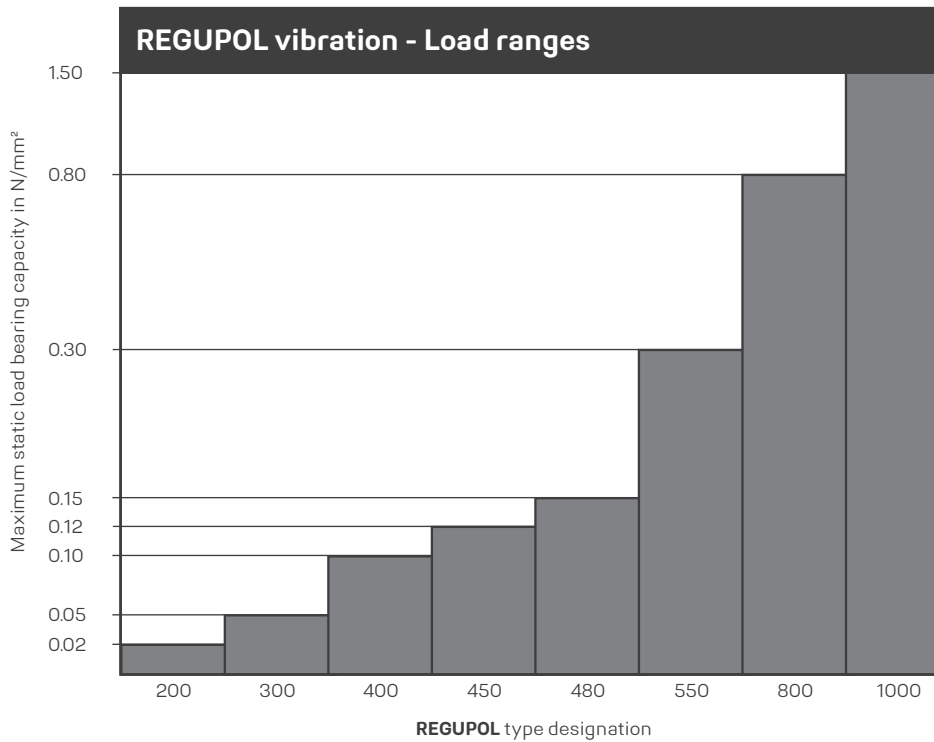
Rare, short term peak loads

up to 1.750 N/mm²



Physical property	Norm	Result	Comment
Static modulus of elasticity	Based on EN 826	4.0 - 11.0 N/mm ²	Tangential modulus, see figure "modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	15.0 - 45.0 N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.16	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	4.9 %	Measured 30 minutes after decompression with 50 % deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	2.3 N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	110 %	
Tear resistance	Based on DIN ISO 34-1	15.0 N/mm	
Fire behaviour	DIN 4102 DIN EN 13501-1	B2 E	
Sliding friction	REGUPOL-laboratory REGUPOL-laboratory	0.6 0.7	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	1 650 kPa	Compressive stress at 25 % deformation test specimen h = 60 mm
Rebound elasticity	Based on DIN EN ISO 8307	37 %	dependent on thickness, test specimen h = 60 mm
Force reduction	DIN EN 14904	45 %	dependent on thickness, test specimen h = 60 mm
Ozone resistance	DIN EN ISO 17025	Cracking stage 0	

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Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 200 x 200 mm.

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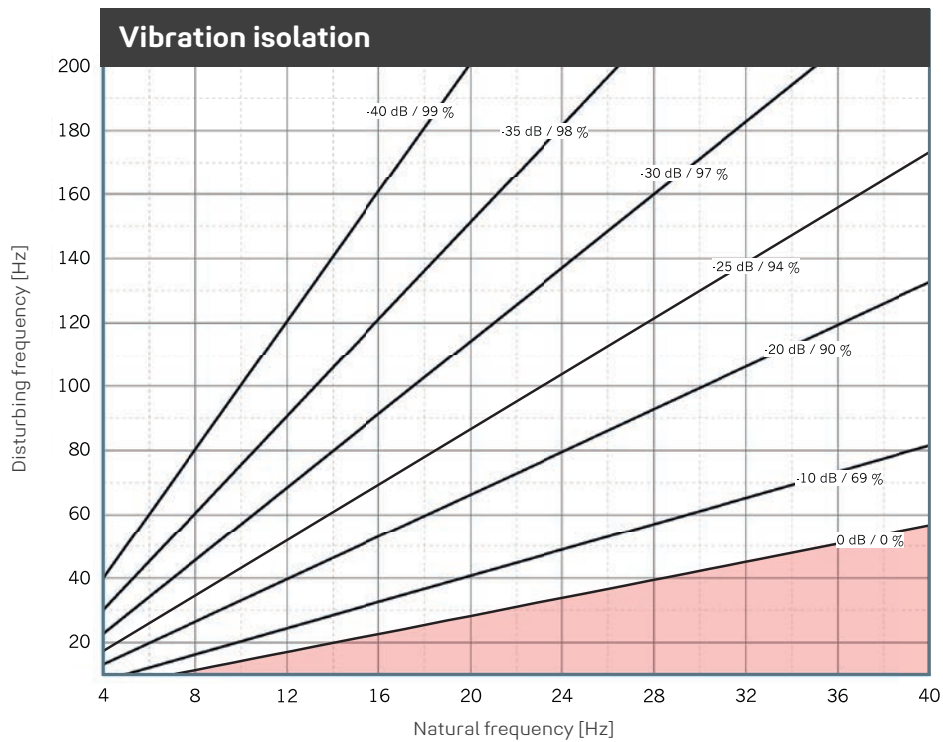
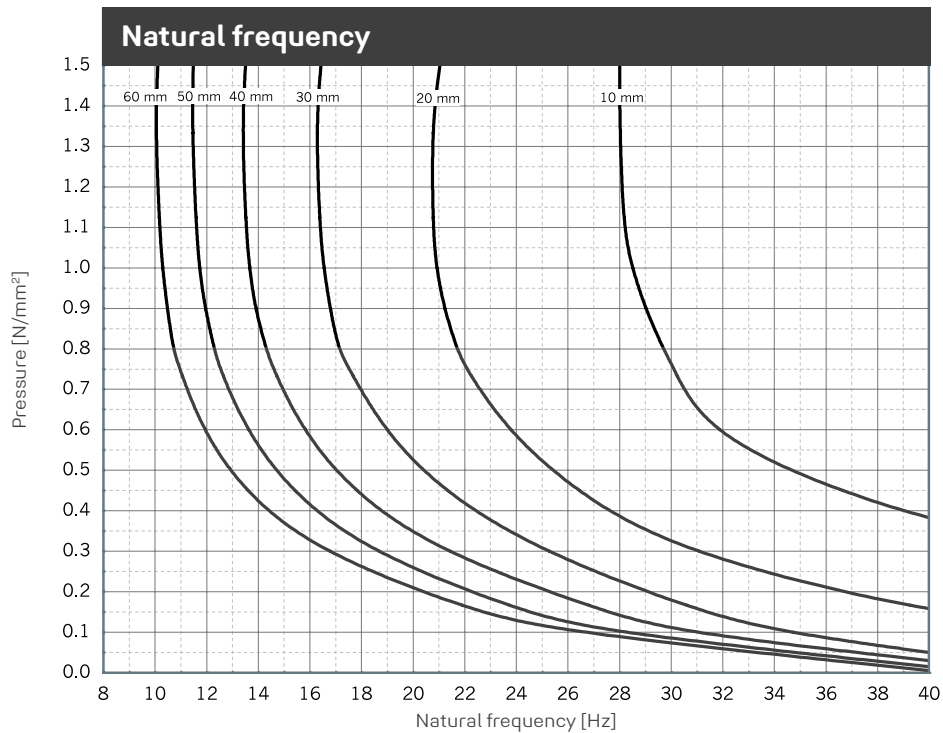


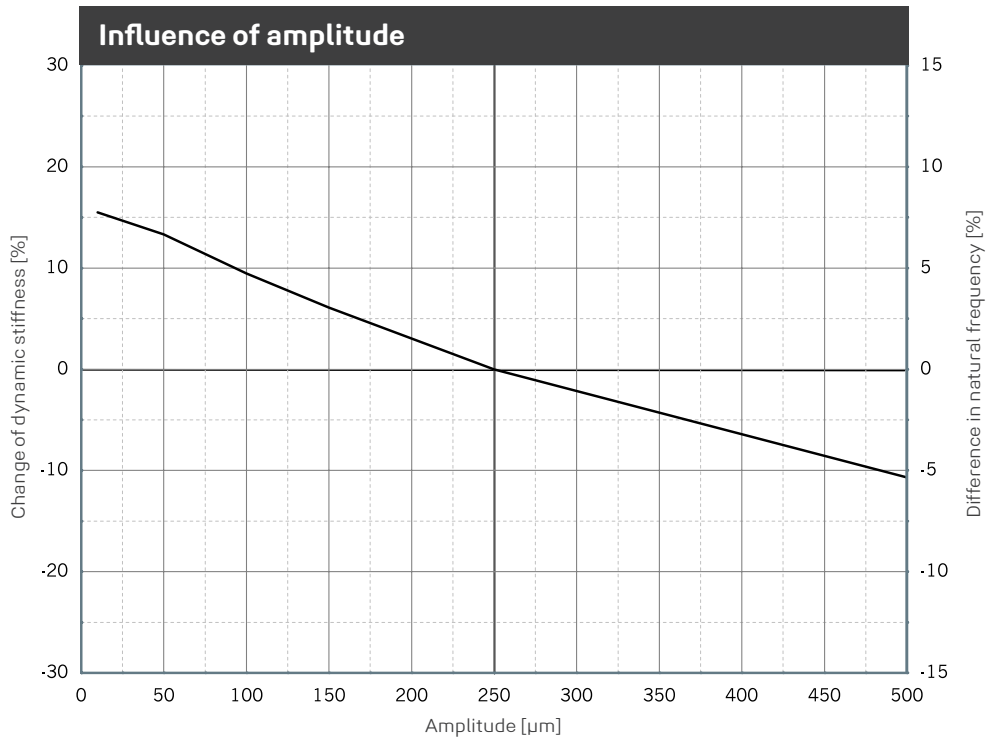
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with **REGUPOL vibration 1000**. Parameter: power transmission (insertion loss) in dB, isolation factor in %.



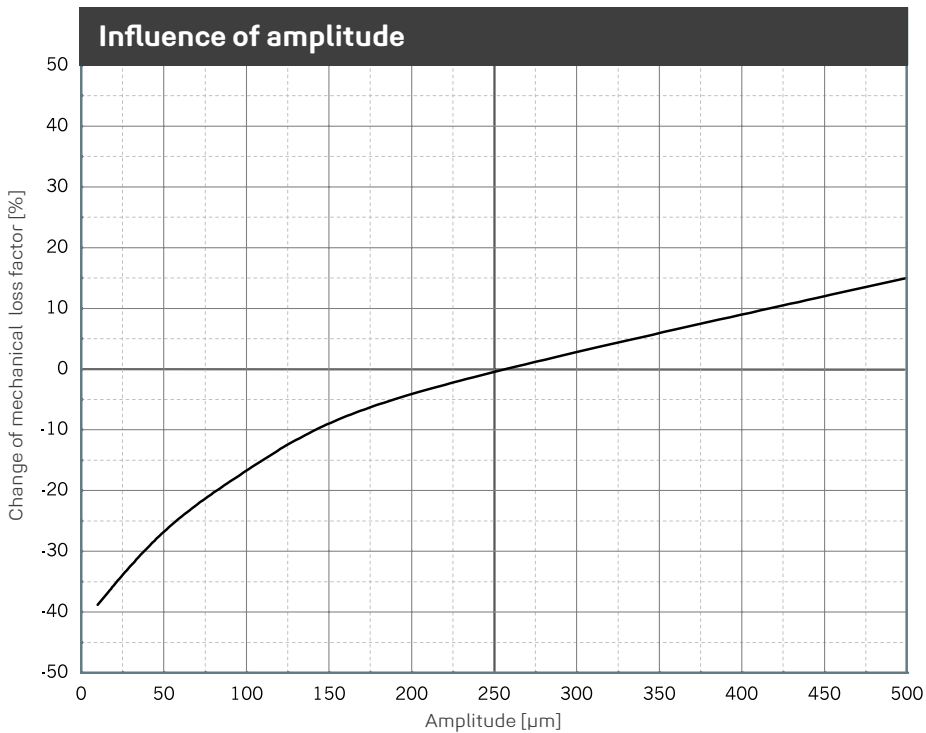
Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of **REGUPOL vibration 1000** on a rigid base. Dimensions of test specimens 200 x 200 mm.



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Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 1.50 N/mm², dimensions of the specimens 200 x 200 x 60 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 1.50 N/mm², dimensions of the specimens 200 x 200 x 60 mm.

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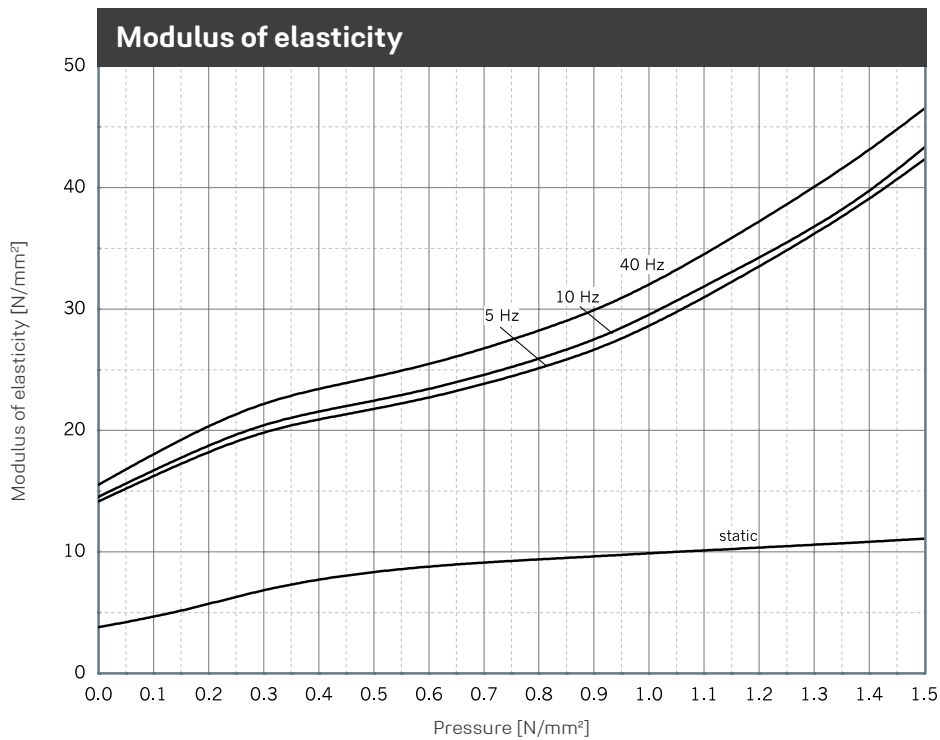


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens $200 \times 200 \times 40$ mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

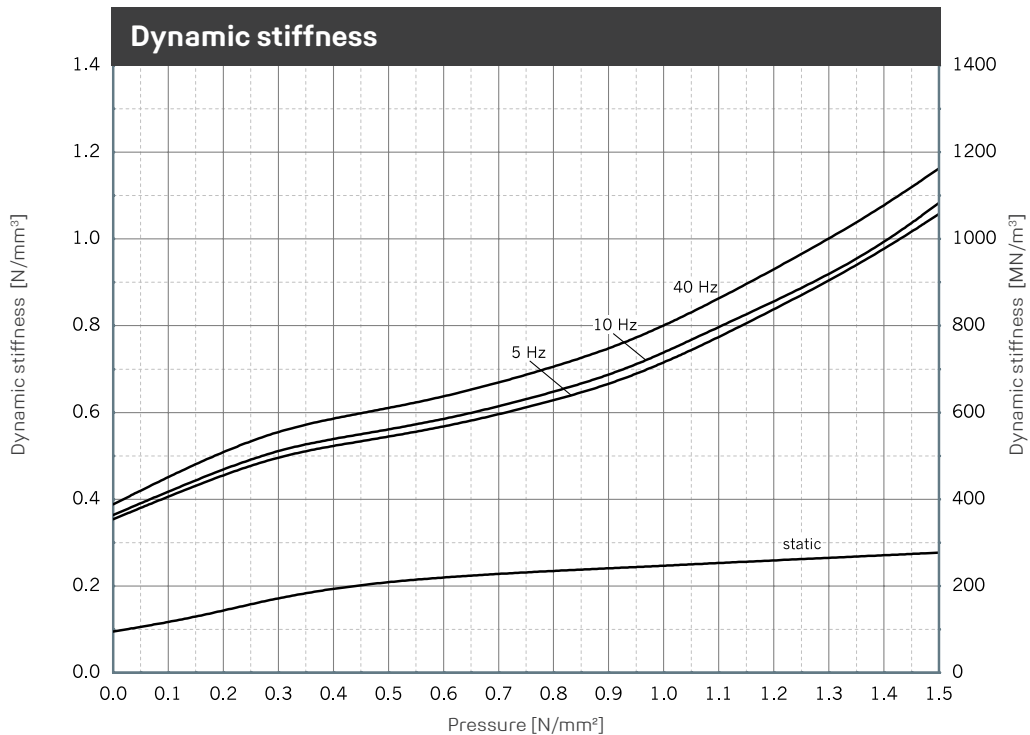
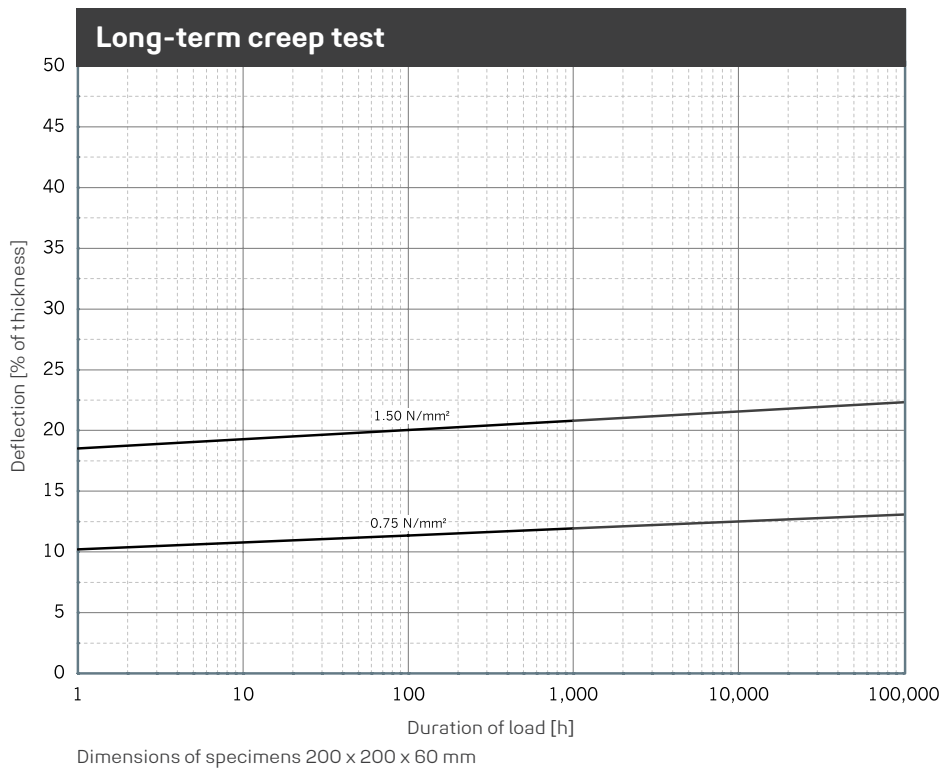


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens $200 \times 200 \times 40$ mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.



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IMPORTANT:

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