



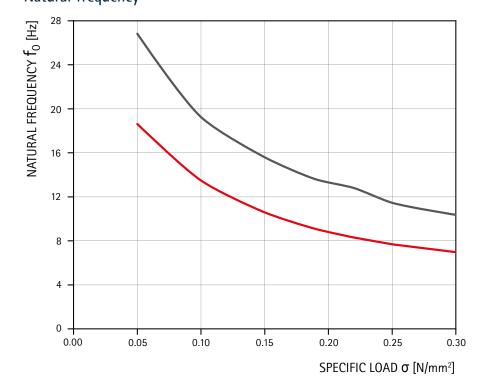
Ciflex N 220 Elastomeric bearing for vibration isolation

Product information

DIMENSIONS AND WEIGHTS		
Length	1000 mm	
Width	500 mm	
Thickness	25 mm	
	Other thicknesses on request	
Weight	13.75 kg/m ²	
Cut to size	available on request	

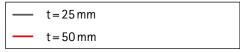
PROPERTIES		
Materials	Foamed polyurethane material	
Permanent load	≤ 0.22 N/mm ²	
Permanent load + dynamic load	≤ 0.32 N/mm ²	
Load peaks (occasional and short-term)	≤ 1.00 N/mm ²	
Thermal stability	-30°C + 60°C	
Flammability	B2 acc. to DIN 4102 (normally combustible)	
Water absorption	≤ 5 %	

Natural frequency



NATURAL FREQUENCY CURVE

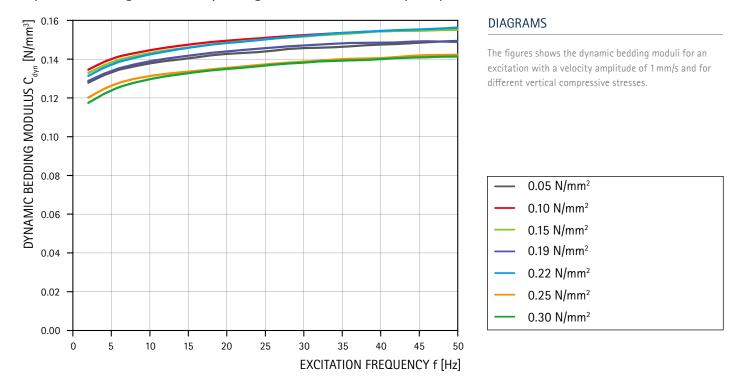
The figure shows the natural frequency of a single-degree-oscillator with Ciflex N 220 as an elastic bearing for an excitation with a velocity amplitude of 1 mm/s.



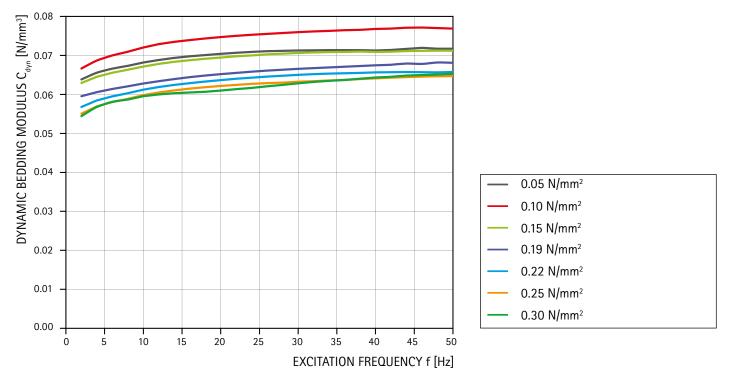


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Dynamic bedding modulus depending on the excitation frequency (25 mm)



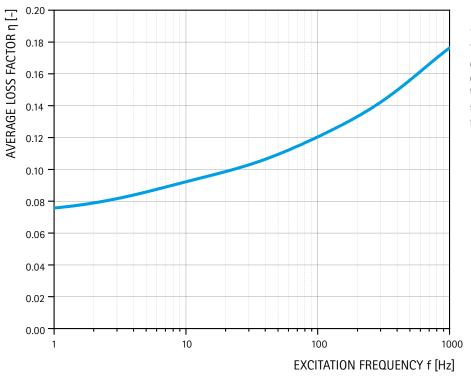
Dynamic bedding modulus depending on the excitation frequency (50 mm)





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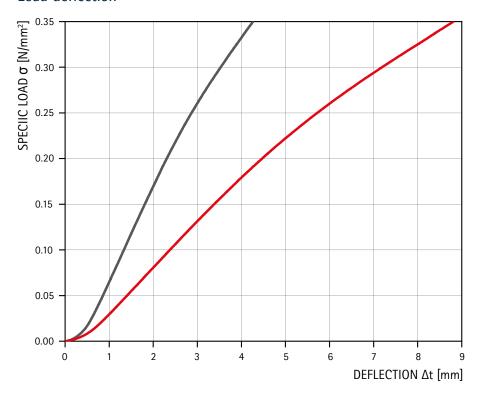
Loss factor



LOSS FACTOR CURVE

The loss factor is a measure of the energy loss per cycle in a vibrating system. The values shown in the diagram were determined by a DMA analysis using the WLF master curve method with a reference temperature of 20°C in order to be able to represent as wide a frequency range as possible.

Load deflection



LOAD DEFLECTION CURVE

Application of uniaxial pressure against vertical deformation.

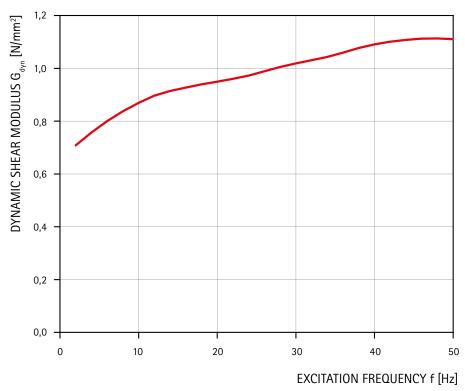






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Shear modulus



SHEAR MODULUS CURVE

The diagram shows the shear modulus of the 15 mm thick Ciflex N 220 at a vibration velocity amplitude of 1 mm/s as a function of frequency. For greater thicknesses, the shear modulus tends to be lower.

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