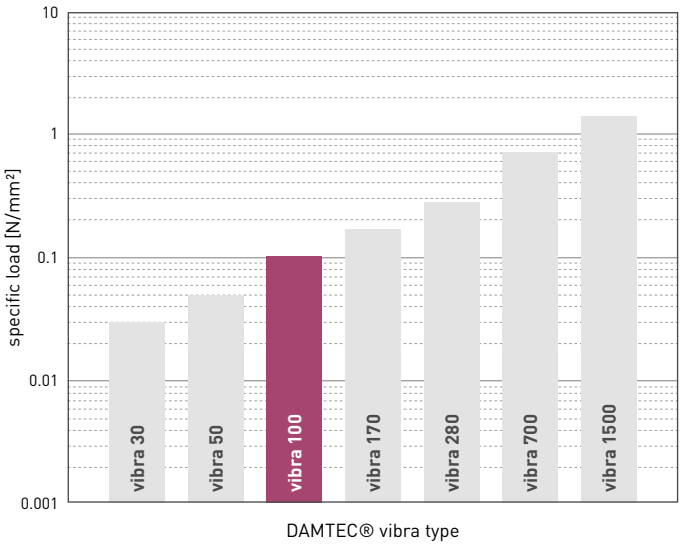
vibra 100 Product data sheet

DAMTEC® vibra series

Working range



Load range up to [N/mm²]	Load peak up to [N/mm²]
0.10	**0.30**

Material	granules of polyurethane foam with PU elastomer bonding agent
Colour	multicoloured
Surface	granular texture
Thicknesses	15 | 20 | 30 mm (±1.0 mm)
Roll width	1,250 mm (±1.5 %)
Roll length	15/**1** | 20/**1** | 30/**1** mm/**m** (±1.5 %)

Other dimensions on request (also stamping and moulded parts).

Properties	Value	Test method	Comment
Tensile strength	0.15 - 0.7 N/mm²	ISO 1798	
Elongation at break	35 - 75 %	ISO 1798	
Maximum pressure	0.10 N/mm²	EN 826	
Bedding modulus	0.03 - 0.09 N/mm³	DIN 53513	depending on configuration, load and frequency
Natural frequency	9-25 Hz		depending on configuration, load and frequency
Service temperature range	-30 to +80 °C		
Flammability rating	class E	EN 13501-1	normal flammable
Density	330 - 430 kg/m³		

All information and data is based on our current knowledge. The data are subject to typical manufacturing tolerances and are not guaranteed.
We reserve the right to amend the data.

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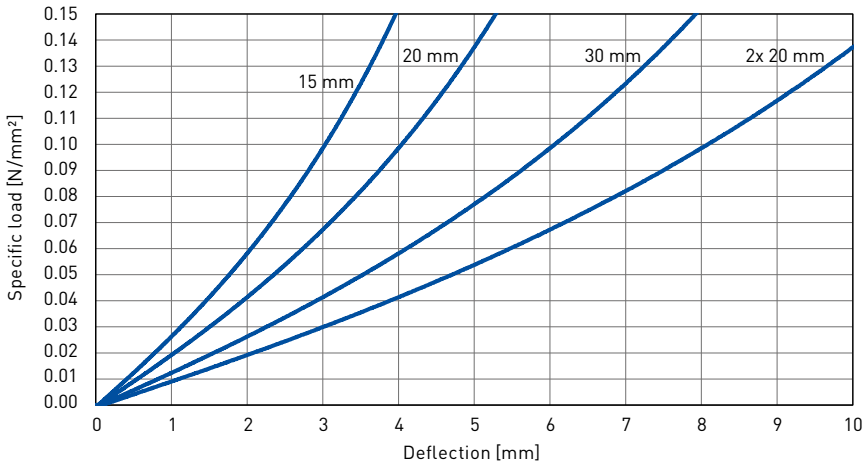
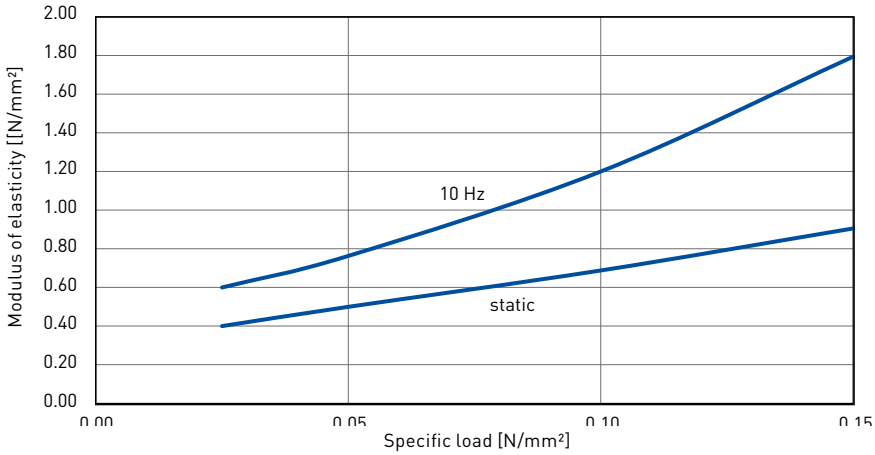
Load deflection curve



Recording of the 3rd loading;
testing between steel plates at
room temperature
Testing in accordance with DIN EN 826

Test speed v = 1% of thickness/s
Form factor q = 3.75

Modulus of elasticity



Dynamic test: sinusoidal excitation
with an oscillating range of
± 0.25 mm at 10 Hz
Testing in accordance with DIN 53513

Form factor q = 3.75

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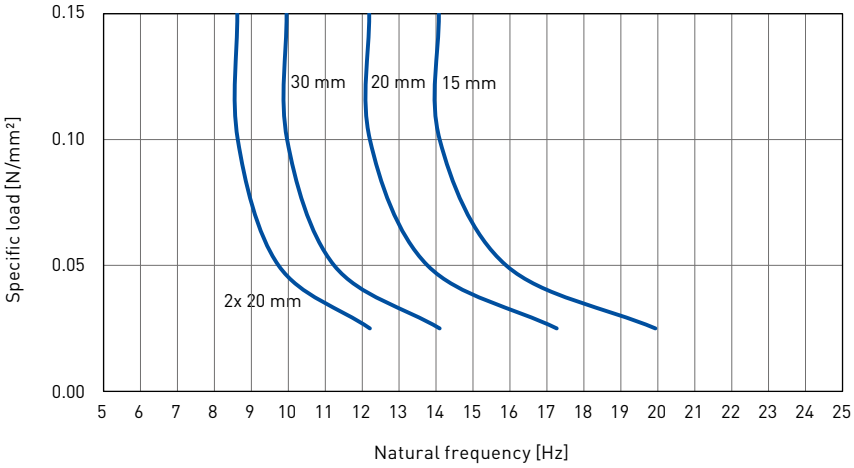
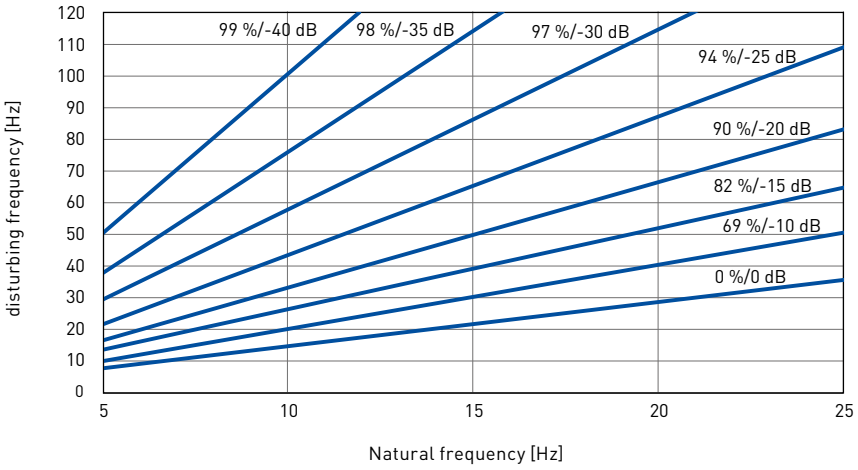
Natural frequency



Natural frequency of the system consisting of a fixed mass and an elastic bearing consisting of DAMTEC® vibra 100 on a stiff subgrade

Form factor q = 3.75

Vibration isolation



The isolation effect for a single mass oscillator system on a rigid surface with DAMTEC® vibra 100.

Parameters:
insertion loss in dB,
Isolation factor in %.

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